Greenstar Engineering, PC
6 Gellatly Drive
Wappingers Falls, NY 12590

30 January 2008

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

RE: Bi-Annual 2007 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 second Bi-Annual 2007 Monitoring Event Letter Report summarizing the operation and maintenance activities which occurred from 1 July 2007 to 31 December 2007. The post-closure monitoring and facility maintenance program was initiated at the Airco Parcel located in Niagara Falls, New York, during December 2000. Post-closure monitoring and facility maintenance is required by New York State Solid Waste Management Facilities Regulations (6 NYCRR Part 360-2.15[k][4]) and stipulated in Order on Consent No. B9-0470-94-12. The purpose of this monitoring event letter report is to summarize the analytical results of the second bi-annual 2007 groundwater monitoring event that was completed at this site in September 2007, and to summarize operations and maintenance activities completed from July through December 2007.

OBJECTIVES

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

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

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

- Environmental monitoring points are being maintained and sampled during the post-closure period. Bi-annual summary reports are submitted to the New York State Department of Environmental Conservation (NYSDEC) Division of Solid and Hazardous Materials, Region 9; the State of New York State Department of Health in Albany, New York; Linde, Inc.; and the document repository located at the Town of Niagara Town's Clerk's Office.

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

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

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

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

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

- Records are maintained of all sampling and analytical results.

The bi-annual sampling events are summarized in a letter report detailing the findings of the environmental sampling. Monitoring event letter reports will be limited to documenting the results of each sampling round. This letter report summarizes the findings of the seventh bi-annual post-closure monitoring event completed at this site, along with a summary of operation and maintenance activities performed at this site from 1 July through 31 December 2007.

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 is the focus of this bi-annual sampling event. The site contains waste material from the historic operation of onsite and nearby production facilities.

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

Analysis of site groundwater during the Immediate Investigative Work Assignment indicated that surface water and groundwater standards were exceeded for hexavalent chromium and pH. Based on the Immediate Investigative Work Assignment and other investigations, the facility has been listed as a Class 2 Hazardous Waste Site in the New York State Registry of Inactive Hazardous Waste Sites (Site No. 932001). A Class 2 listing indicates a significant threat to public health and the environment, and requires remedial action.

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

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

MONITORING EVENT FIELD ACTIVITIES

Monitoring Well Gauging

The site monitoring wells, Figure 2, were gauged prior to sampling on 24 September 2007. The depth to water ranged from 6.75 ft below top of casing at MW-6B to 17.41 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	15.82	617.77	601.95
MW-2B	17.41	615.88	598.47
MW-3B	13.21	611.22	598.01
MW-4B	14.43	606.68	592.25
MW-5B	13.52	605.48	591.96
MW-6B	6.75	603.47	596.72
MW-7B	12.97	609.48	596.51
MW-8B	10.61	611.62	601.01

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

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

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

Groundwater Sampling Procedures

Monitoring wells were sampled on 25-26 September 2007. Six groundwater samples were collected from the site monitoring wells. Monitoring wells MW-4B and MW-5B did not contain sufficient water to collect a sample due to extremely dry conditions. Monitoring wells MW-3B and MW-8B were purged using dedicated bailers due to slow recharge and limited well volume. These wells were bailed dry and allowed to recharge prior to sample collection. Monitoring wells MW-1B, MW-2B, MW-6B, and MW-7B had adequate recharge rates for low flow sampling utilizing a peristaltic pump. Water quality readings were allowed to stabilize prior to sample collection. No surface water samples were collected from the drainage swales in the southwest corner. Due to dry weather conditions, no storm water runoff was observed. Samples were submitted to TestAmerica Laboratories (formerly Severn Trent Laboratories) of Amherst, New York for analysis of phenolics by U.S. Environmental Protection Agency (EPA) Method 420.2, sulfate by EPA Method 375.3, ammonia (expressed as nitrogen) by EPA Method 350.2, and Target Analyte List metals by EPA Series 6010/6020, including hexavalent chromium.

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

ANALYTICAL RESULTS

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

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

Metals

Unfiltered metals samples were collected from 6 of the 8 monitoring wells. Notable results included the following:

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

- Hexavalent chromium was detected in excess of the NYSDEC AWQS in MW-2B and MW-8B at concentrations of 0.26 mg/L to 0.116 mg/L, respectively.

- Chromium was detected in excess of the NYSDEC AWQS in MW-2B and MW-8B at concentrations of 0.46 mg/L to 0.19 mg/L, respectively.

- Magnesium was detected in excess of the NYSDEC AWQS in MW-1B, MW-6B and MW-8B at concentrations ranging from 68.7 mg/L to 85.3 mg/L.

- Manganese was detected in excess of the NYSDEC AWQS in MW-1B and MW-8B at a concentration of 0.76 mg/L and 1.5 mg/L, respectively.

- Selenium was detected in excess of the NYSDEC AWQS in MW-8B at a concentration of 0.083 mg/L.

- Sodium was detected in excess of the NYSDEC AWQS in all 6 monitoring wells sampled at concentrations ranging from 39.7 mg/L to 122 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 excess of NYSDEC AWQS in MW-1B, MW-6B and MW-8B at concentrations ranging from 258 mg/L to 305 mg/L.

- Phenolics were detected in excess of NYSDEC AWQS in MW-2B at a concentration of 0.023 mg/L.

- pH measurements were measured outside the NYSDEC AWQS of 6.5-8.5 standard pH units in monitoring wells MW-2B (12.28) and MW-3B (6.06-10.08), (See Attachment B).

LANDFILL INSPECTION

Landfill cap inspections were conducted on 26 September and 27 December 2007. The Landfill Cap Inspection Checklists are provided as Attachment E. No deterioration, damage, or erosion to the landfill cap was noted during the engineering inspections. The access roads were scarified to remove vegetation noted during the September inspection. Drainage swales were predominantly clear. The swale, which was re-graded around the pump station, in an effort to keep stormwater from entering the collection system, continues to operate freely. Subsidence of the sidewalls of the sediment ponds, which was observed in the first bi-annual report, was corrected during September through November 2007 during GCTS upgrades.

GCTS OPERATIONS AND MAINTENANCE MONITORING ACTIVITIES

The GCTS is part of the Airco Parcel located near Witmer Road in Niagara Falls, New York. The GCTS was designed to implement additional remedial actions, which have been deemed necessary to meet the goals of the interim remedial measures program. The main portion of the GCTS is located on the northwest corner of the site and contains the main control panel, Supervisory Control And Data Acquisition system (SCADA), 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 complete operations and maintenance manual is presented as an appendix to the Post-Closure Monitoring and Facility Maintenance Plan (EA 2004)[4].

System Operations and Maintenance

The GCTS was operated throughout the 6-month period of 1 July – 31 December 2007. System monitoring was conducted throughout the operation period. Attachment G provides details of the problems encountered, and the implemented solutions.

During the report period, the GCTS operated for 4,416 hours (100 percent) and averaged 2.69 gpm. The GCTS sampling occurred bi-weekly during the operation period. Samples were collected at various locations to evaluate treatment system performance and compliance with discharge criteria. Samples were collected from T3A (Sediment Pond A) and after treatment via the zero valence iron tank T6B (Sediment Pond B), and after the engineered wetland (EWE) bi-weekly during the GCTS operation period. The samples were analyzed in the field for total chromium and hexavalent, chromium using a HACH DR4000® spectrophotometer. The HACH DR4000® spectrophotometer is EPA approved for reporting water and wastewater analyses within a detection limit of 0.006 and 0.005 mg/L for hexavalent chromium, and 0.003 mg/L for total chromium. The engineered wetland discharge samples were analyzed in the field as well as separate quarterly samples taken for off-site laboratory analysis at Severn Trent Test America Laboratories of Amherst, New York for a full list of discharge criteria.

Field sampling results for total and hexavalent chromium can be found in Table 1, and results of the quarterly engineered wetland discharge samples can be found in Table 2. For the period 1 July – 31 December 2007, removal rates were 100 percent for both hexavalent and total chromium. Analytical results for the quarterly sampling noted that only the pH (8.14 s.u.) slightly exceeded the NYSDEC discharge criteria (8.0 s.u.) for the December discharge samples. This result is typical for the pH of the water discharging into the wetland in the southwest corner as it is mingled with storm water. In addition, the water travels approximately 1,100 feet through a swale containing limestone riprap, which can contribute to increasing the pH. The pH of the treated water leaving the engineered wetland for the same sampling event was 7.33. The full set of laboratory analytical data for the GCTS discharge sampling can be found in Attachment F.

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

GCTS Modifications (July–December 2007)

During the report period, Greenstar performed the following modifications to the GCTS:

- Replacement of settling ponds with a series of process tanks. A total of 27 process tanks were installed to accomplish the upgrades.

- Installation of the new chemical feed shed which houses various process components including the new chemical feed pumps and storage tanks to promote precipitate formation and settling.

- Upgrades to the SCADA system and web pages.

Attachment G summarizes monthly operation and maintenance details for the period July through December 2007, 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 2007 Monitoring Event Letter Report, please do not hesitate to contact Charles McLeod at (845) 223-9944.

Sincerely,

GREENSTAR ENGINEERING, P.C.

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

CEM/cl
Attachments

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

TABLE 1 SUMMARY OF FIELD SAMPLING RESULTS
1 JULY – 31 DECEMBER 2007, AIRCO PARCEL, NIAGARA FALLS, NEW YORK

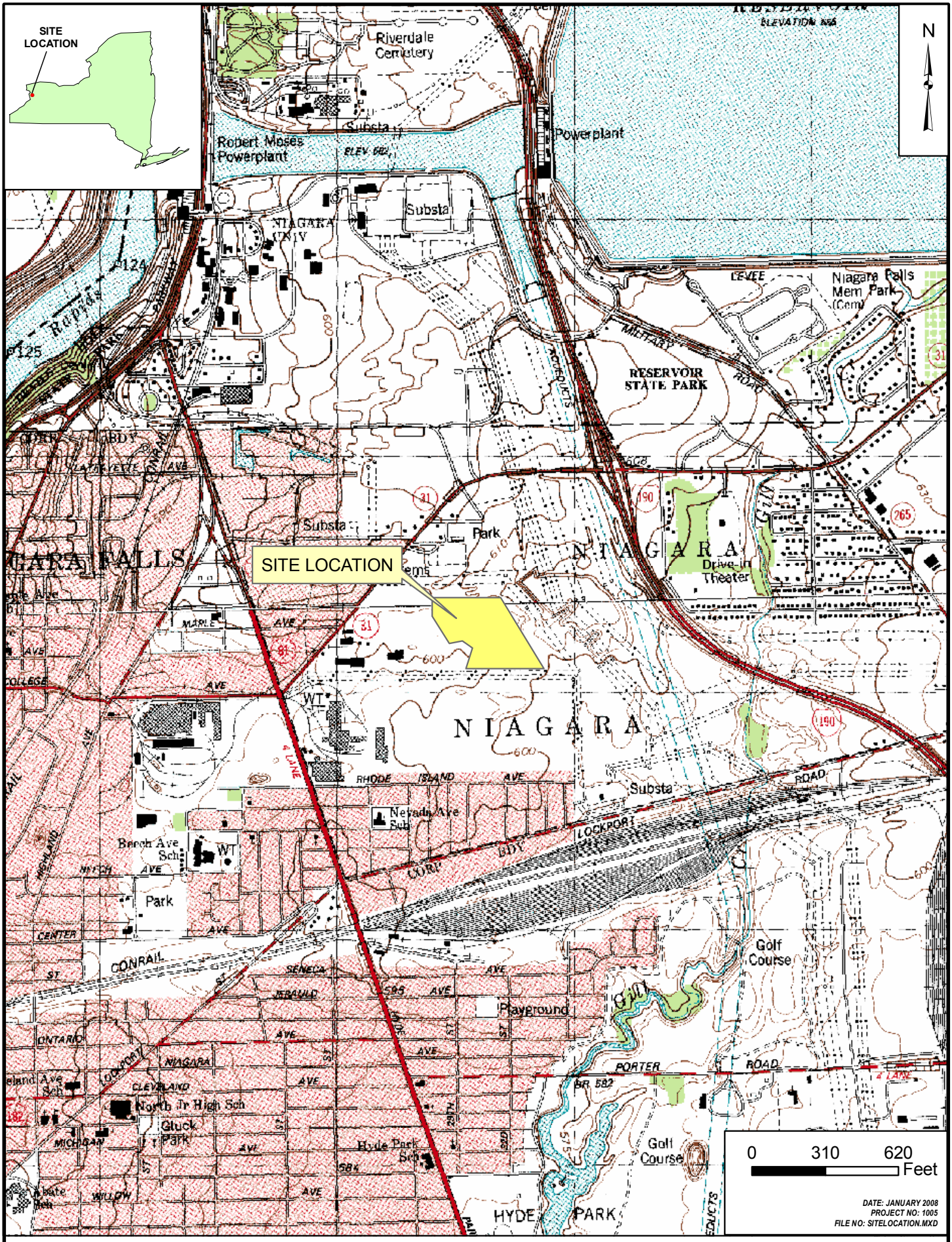
	Sediment Pond A		Sediment Pond B		Wetland Discharge	
Date	Total Chromium	Hexavalent Chromium	Total Chromium	Hexavalent Chromium	Total Chromium	Hexavalent Chromium
7/12/07	137 µg/L	132 µg/L	<6U µg/L	<3U µg/L	<6U µg/L	<3U µg/L
7/24/07	123 µg/L	111 µg/L	<6U µg/L	<3U µg/L	<6U µg/L	<3U µg/L
8/9/07	94 µg/L	90 µg/L	<6U µg/L	<3U µg/L	<6U µg/L	<3U µg/L
8/28/07	NS	27 µg/L	NS	<3U µg/L	NS	<3U µg/L
9/18/07*	<40U µg/L	<11U µg/L	46 µg/L	<11U µg/L	<40U µg/L	<11U µg/L
9/24/07	System Off-Line for upgrades. No discharge occurring. Untreated water stored in Frac Tanks.					
10/8/07	System Off-Line for upgrades. No discharge occurring. Untreated water stored in Frac Tanks.					
10/22/07	20,000 gallons of Untreated water pumped through system, treated, and discharged.					
11/6/07	System Off-Line for upgrades. No discharge occurring. Untreated water stored in Frac Tanks.					
11/26/07	System Restarted. No discharge occurring. Water stored in Frac Tanks pumped into System.					
12/6/07**	76 µg/L	72 µg/L	16 µg/L	<3U µg/L	<100U µg/L	<11U µg/L
12/27/07**	30 µg/L	23 µg/L	<6U µg/L	<3U µg/L	<100U µg/L	<11U µg/L

NOTE: NS = Not Sampled
No results were in excess of SPDES discharge guidance values
Unless otherwise noted, field samples analyzed using a HACH DR4000® Spectrophotometer.
Methods 8023 for Hexavalent Chromium and Method 8084 for Total Chromium.
* = Sampled collected and analyzed by Test America, Buffalo, NY
** = Wetland Discharge sample collected and analyzed by Test America, Buffalo, NY

TABLE 2 SUMMARY OF QUARTERLY GCTS DISCHARGE SAMPLING 9 AUGUST AND 6 DECEMBER 2007, AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Parameter	9 August 2007	6 December 2007	New York State Department of Environmental Conservation Discharge Criteria
pH	7.67	**8.14**	6-8 s.u.
Total suspended solids	<10U	<10U	10 mg/l
Dissolved Oxygen	6.1	9.4	7 mg/l
Ammonia as N	<9.2U	<9.2U	9.2 mg/l
Total Kjeldahl nitrogen	1.9 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	<0.3U	<0.3U	0.3 mg/l
Selenium	<0.0046U	<0.0046U	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	3.4 mg/l-N	1.3 mg/l-N	Monitor
Nitrite as N	<0.05U	<0.05U	Monitor
Chemical oxygen demand	<40U	<40U	40 mg/l
Total dissolved solids	649 mg/l	454 mg/l	Monitor

Notes: Values in **BOLD** exceed discharge guidance values
The pH at the effluent of the engineered wetland was 7.33 during the 12 December 2007 sampling event. The pH is monitored at both location to assess the impacts to pH contributed by precipitation and contact with limestone rip rap in the drainage swale.



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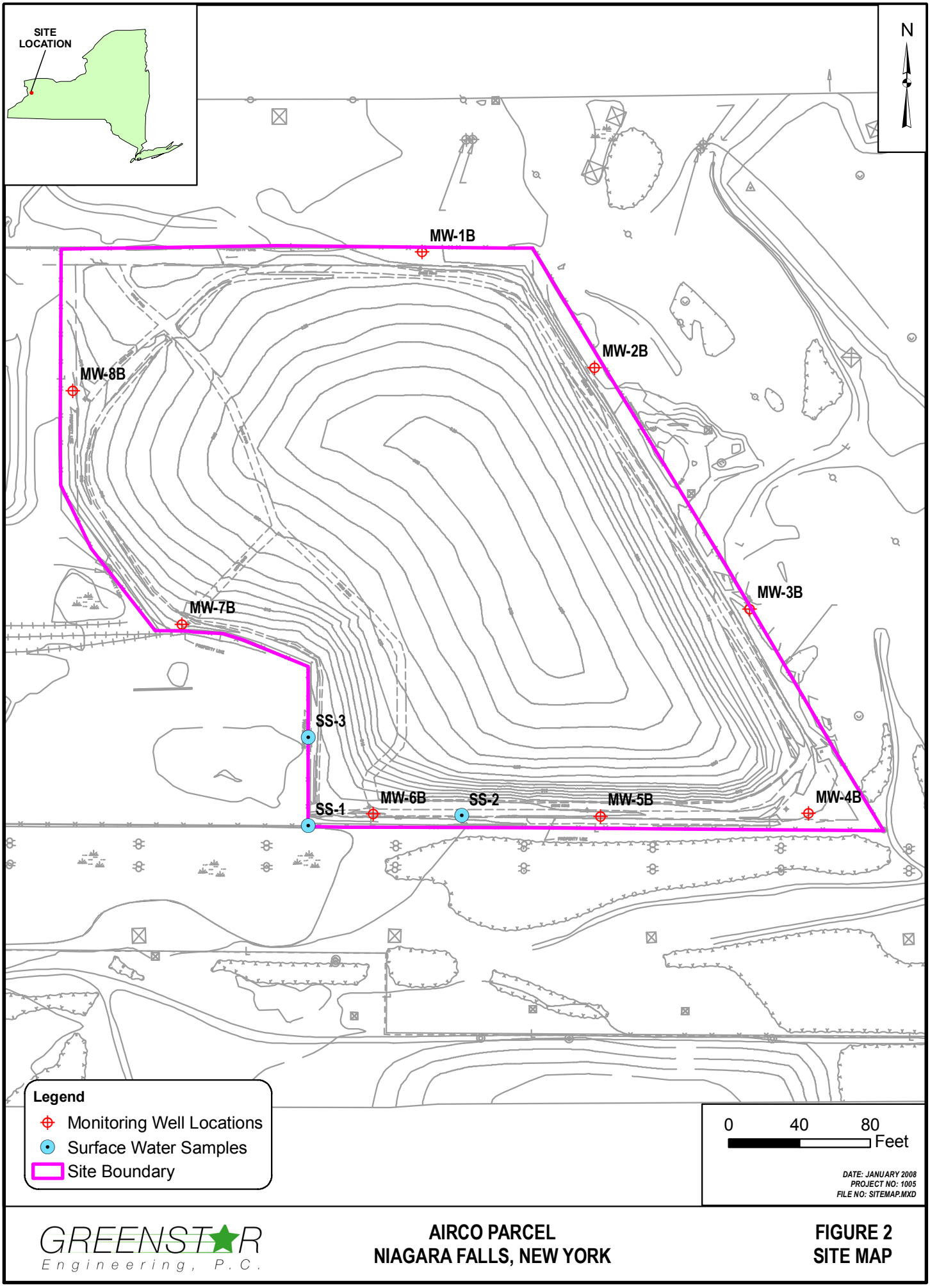
AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 1
SITE LOCATION



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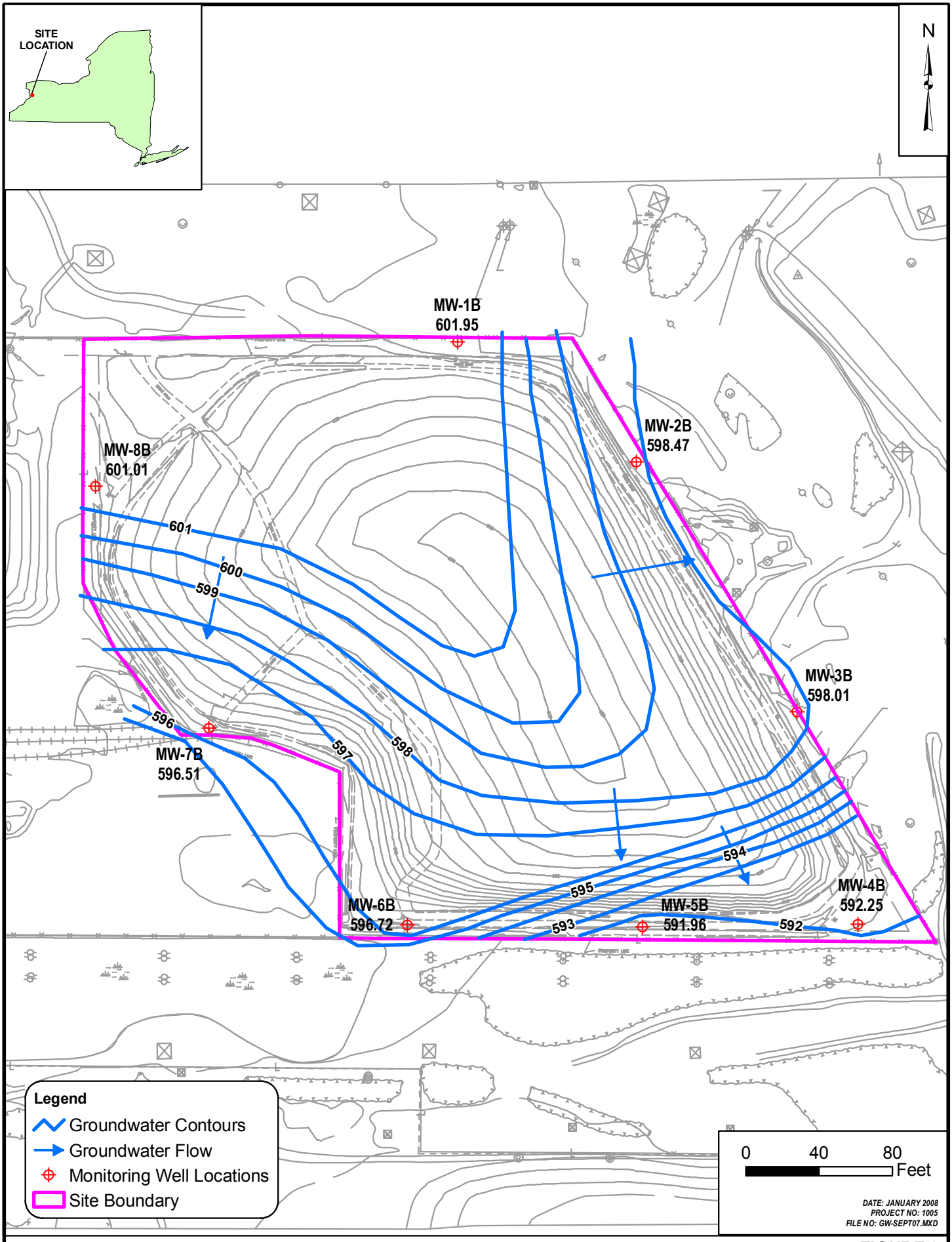
AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 2
SITE MAP



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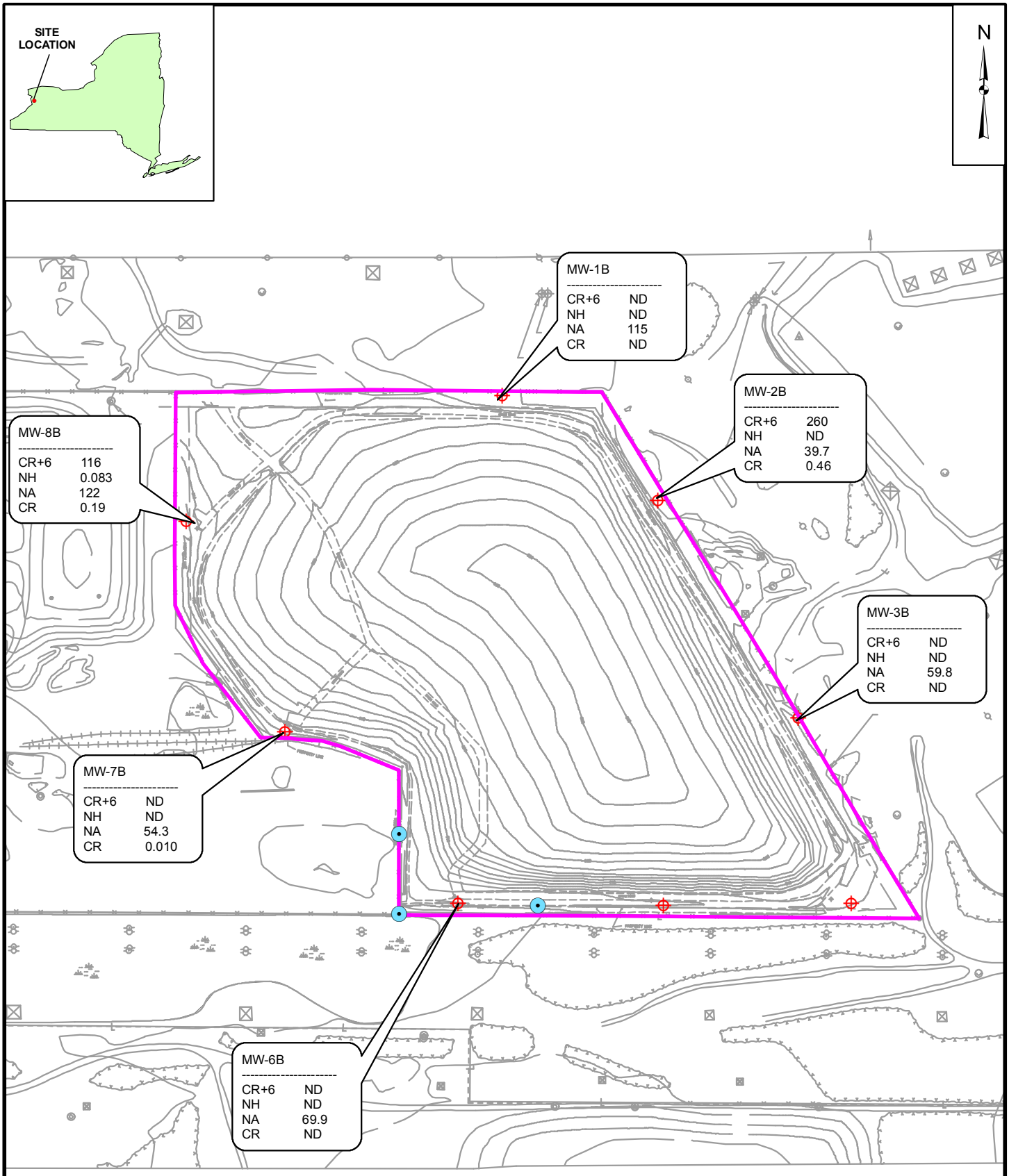
AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 3
GROUNDWATER CONTOURS
SEPTEMBER 2007



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AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 4
SAMPLE RESULTS
SEPTEMBER 2007

Attachment A

Summary of Analytical Results of Groundwater and Surface Water Samples September 2007

ATTACHMENT A
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLES COLLECTED IN SEPTEMBER 2007,
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Groundwater

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

Analyte	AWQS	MW-1B	MW-2B	MW-2B (Dup)	MW-3B	MW-6B	MW-7B	MW-8B
Cadmium	0.005	(<0.001U)	(<0.001U)	(<0.001U)	(<0.001U)	(<0.001U)	(<0.001U)	0.0032
Chromium	0.05	(<0.004U)	**0.46**	**0.46**	(<0.004U)	(<0.004U)	0.01	**0.19**
Chromium, Hexavalent	0.05	(<0.011U)	**0.26**	**0.4**	(<0.011U)	(<0.011U)	(<0.011U)	**0.116**
Iron	0.3	0.12	**0.42**	(<0.05U)	0.17	**0.34**	0.2	**34.8**
Lead	0.025	(<0.005U)	(<0.005U)	(<0.005U)	(<0.005U)	(<0.005U)	(<0.005U)	**0.077**
Magnesium	35*	**68.7**	0.28	(<0.2U)	4.6	**81.3**	7.8	**85.3**
Manganese	0.3	**0.76**	0.012	(<0.003U)	0.0081	0.16	0.022	**1.5**
Selenium	0.01	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	**0.083**
Silica	---	6.9	(<2.5U)	(<2.5U)	7.9	7	5.3	31.6
Sodium	20	**115**	**39.7**	**40.8**	**59.8**	**69.9**	**54.3**	**122**
Zinc	2*	0.52	(<0.01U)	(<0.01U)	0.015	(<0.01U)	(<0.01U)	0.67

Water Quality Parameters (mg/L)

Analyte	AWQS	MW-1B	MW-2B	MW-2B (Dup)	MW-3B	MW-6B	MW-7B	MW-8B
Phenolics	0.001	(<0.008U)	**0.023**	**0.018**	(<0.008U)	(<0.008U)	(<0.008U)	(<0.008U)
Sulfate	250	**258**	17.2	17.7	41.8	**305**	28.8	**282**

QA/QC

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

Analyte	AWQS	RB-01	SWB-01
Cadmium	---	(<0.001U)	(<0.001U)
Chromium	---	(<0.004U)	(<0.004U)
Chromium, Hexavalent	---	(<0.011U)	(<0.011U)
Iron	---	(<0.05U)	(<0.05U)
Lead	---	(<0.005U)	(<0.005U)
Magnesium	---	1	1
Manganese	---	(<0.003U)	(<0.003U)
Selenium	---	(<0.015U)	(<0.015U)
Silica	---	5	4.3
Sodium	---	3.2	3.2
Zinc	---	(<0.01U)	(<0.01U)

Water Quality Parameters (mg/L)

Analyte	AWQS	RB-01	SWB-01
Phenolics	---	(<0.008U)	(<0.008U)
Sulfate	---	4.3	3.8

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.
*	=	Indicates guidance value.
U	=	Not detected. Sample quantitation limits shown as (<__U).
J	=	Estimated concentration.

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
September 2007

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW1B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Sunny, 80°
Sounding Method: WLI	**Gauge Date:** 9/24/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:10	**Well Diameter (in):** 2"

Purge Date: 9/26/2007	**Purge Time:** 7:55
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 27.83	**D. Well Volume (ft3):** 0.26	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 15.82	**E. Well Volume (L)** 7.41	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 12.01		**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)
7:55	15.87	0.5	0.30	6.38	200	14.68	2.55	0.34	3.5
7:59	16.37	1	0.25	6.85	190	15.73	2.57	0.00	4.6
8:03	16.36	2	0.25	6.93	100	15.96	2.65	0.00	22
8:07	16.38	3	0.25	6.93	-16	15.47	2.67	0.00	44
8:11	16.41	4	0.25	6.90	-37	15.77	2.66	0.00	46
8:15	16.41	5	0.25	6.86	-38	15.89	2.66	0.00	63
8:19	16.42	6	0.25	6.82	-33	15.78	2.66	0.00	70
8:23	16.42	7	0.25	6.80	-37	15.70	2.65	0.00	74
8:27	16.43	8	0.25	6.80	-38	15.73	2.66	0.00	75

Total Quantity of Water Removed: ~ 8 L
Samplers: SB
Sampling Date: 26-Sep-07
Sampling Time: 8:30
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS:

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW2B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Sunny, 80°
Sounding Method: WLI	**Gauge Date:** 9/24/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:15	**Well Diameter (in):** 2"

Purge Date: 9/24/2007	**Purge Time:** 17:55
Purge Method: Pesistaltic Pump	**Greenstar Personnel:** CEM

Well Volume

A. Well Depth (ft): 27.31	**D. Well Volume (ft3):** 0.22	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 17.41	**E. Well Volume (L):** 6.11	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 9.90		**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)
17:55	DRY	7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
12:10	17.47	n/a	n/a	12.28	-77	18.12	4.61	11.43	6.0

Total Quantity of Water Removed:	~ 7 L	**Sampling Time:**	12:24
Samplers:	SB	**Split Sample With:**	AP-DUP-01
Sampling Date:	25-Sep-07	**Sample Type:**	GRAB

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

Kink/obstruction in PVC casing around 12 ft.below TOC, well can not be hand bailed.

Purged dry via peri-pump by CEM, then sampled the following day.

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW3B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Sunny, 80°
Sounding Method: WLI	**Gauge Date:** 9/24/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:25	**Well Diameter (in):** 2"

Purge Date: 9/24/2007	**Purge Time:** 16:54
Purge Method: Hand Bail	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 18.41	**D. Well Volume (ft3):** 0.11	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 13.21	**E. Well Volume (L):** 3.21	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 5.20		**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)
16:54	13.21	0.5	n/a	6.06	165	18.21	0.607	13.66	6.9
17:04	17.84	5	n/a	8.39	-19	16.73	0.491	15.08	165.0
12:55	13.18	n/a	n/a	10.08	14	18.03	0.430	11.80	12.5

Total Quantity of Water Removed: ~ 5 L
Samplers: SB
Sampling Date: 25-Sep-07
Sampling Time: 13:00
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.:	Personnel:	Client:
AP-MW4B	Steve Bazilus	BOC GASES
Location:	**Well Condition:**	**Weather:**
Niagara Falls	Locked	Sunny, 80°
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
WLI	9/24/2007	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
UP	15:30	2"

Purge Date:	Purge Time:
9/24/2007	17:11
Purge Method:	**Greenstar Personnel:**
Hand Bail	SB

Well Volume

A. Well Depth (ft):	D. Well Volume (ft3):	Depth/Height of Top of PVC:
15.08	0.01	
B. Depth to Water (ft):	**E. Well Volume (L):**	**Pump Type:**
14.43	0.40	Dedicated hand bailer
C. Liquid Depth (ft) (A-B):		**Pump Designation:**
0.65		

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)
17:11	Dry	0.5	n/a	8.07	68	16.61	0.98	13.17	> 1000

Total Quantity of Water Removed: 0.5 L
Samplers: SB
Sampling Date: n/a
Sampling Time: n/a
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS: Well purged dry and never recovered; was not sampled this event.
Dry when gauged on 9/25 @ 08:10 and 09/26 @ 09:00.

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW5B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Sunny, 80°
Sounding Method: WLI	**Gauge Date:** 9/24/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:35	**Well Diameter (in):** 2"

Purge Date: 9/24/2007	**Purge Time:** 17:25
Purge Method: Hand Bail	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 14.22	**D. Well Volume (ft3):** 0.02	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 13.52	**E. Well Volume (L):** 0.43	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 0.70		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
17:25	Dry	0.5	n/a	7.37	112	17.78	1.26	11.40	37.0

Total Quantity of Water Removed: 0.5 L
Samplers: SB
Sampling Date: n/a
Sampling Time: n/a
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS: Well purged dry and never recovered; was not sampled this event.
Dry when gauged on 9/25 @ 08:15 and 09/26 @ 09:07.

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:** Sunny, 80°
Sounding Method: WLI	**Gauge Date:** 9/24/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:38	**Well Diameter (in):** 2"

Purge Date: 9/26/2007	**Purge Time:** 9:23
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 23.02	**D. Well Volume (ft3):** 0.35	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 6.75	**E. Well Volume (L):** 10.04	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 16.27		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
9:23	6.53	1	0.25	7.04	-78	16.72	1.92	0.00	2.0
9:27	9.08	2	0.25	7.04	-85	16.47	1.91	0.00	0.0
9:31	9.88	3	0.25	7.07	-107	17.50	1.89	0.00	8.0
9:35	10.39	4	0.25	7.09	-119	17.83	1.89	0.00	1.3
9:39	11.02	5	0.25	7.09	-122	17.58	1.90	0.00	2.3
9:43	11.22	6	0.25	7.08	-122	17.62	1.90	0.00	3.2
9:47	11.93	7	0.25	7.08	-121	17.78	1.90	0.00	3.4
9:51	12.04	8	0.25	7.08	-122	17.66	1.90	0.00	4.2

Total Quantity of Water Removed: ~ 8 L
Samplers: SB
Sampling Date: 26-Sep-07
Sampling Time: 9:55
Split Sample With:
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:** Sunny, 80°
Sounding Method: WLI	**Gauge Date:** 9/24/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:43	**Well Diameter (in):** 2"

Purge Date: 9/26/2007	**Purge Time:** 10:30
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 21.79	**D. Well Volume (ft3):** 0.19	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 12.97	**E. Well Volume (L):** 5.45	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 8.82		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
10:34	12.85	1	0.25	7.76	-118	17.38	0.593	0.00	> 1000
10:38	13.98	2	0.25	7.93	-116	17.31	0.588	9.86	348.0
10:42	15.51	3	0.25	7.99	-139	17.18	0.580	0.00	203.0
10:46	16.52	4	0.25	8.11	-158	17.29	0.543	0.00	201.0
10:50	17.06	5	0.25	8.15	-157	17.71	0.525	0.00	38.0
10:54	17.23	6	0.25	8.16	-157	17.73	0.524	0.00	41.0
10:58	17.70	7	0.25	8.18	-156	17.73	0.521	0.00	37.0
11:02	18.00	8	0.25	8.18	-155	17.78	0.525	0.00	35.0
11:06	18.44	9	0.25	8.18	-154	17.82	0.529	0.00	38.0

Total Quantity of Water Removed:	~ 9 L	**Sampling Time:**	11:10
Samplers:	SB	**Split Sample With:**	
Sampling Date:	26-Sep-07	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS:

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:** Sunny, 80°
Sounding Method: WLI	**Gauge Date:** 9/24/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 15:52	**Well Diameter (in):** 2"

Purge Date: 9/24/2007	**Purge Time:** 17:36
Purge Method: Hand Bail	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 15.51	**D. Well Volume (ft3):** 0.11	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 10.61	**E. Well Volume (L):** 3.03	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 4.90		**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)
17:36	10.61	1	n/a	7.55	106	18.27	1.41	11.08	79.0
17:40	Dry	3.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a
13:25	10.63	n/a	n/a	8.24	107	19.07	1.44	11.01	304.0

Total Quantity of Water Removed: ~ 3.5 L
Samplers: SB
Sampling Date: 25-Sep-07
Sampling Time: 13:35
Split Sample With:
Sample Type: GRAB

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

Attachment C

Chain-of-Custody Records

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Greenstar Engineering P.C.	Chip McCall	8/9/07	348422
Address 6 Gellarly Drive	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** ____ **of** ____
City Wappingers Falls	**State** NY	**Zip Code** 12590	
Site Contact	**Lab Contact**		
Project Name and Location (State) AIRCO Parcel	**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: VOA Metals	Cr++ TSS	TDS, BOD	N. Nitrate/Nitrite	Ammonia	COD, PH	TKN, OO	Phenolics	Special Instructions/ Conditions of Receipt
~~AP-SS-01~~																					
AP-SWE-01	8/9/07	1000		X			4	2	1	2			X								Quarterly Discharge Sample

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

CAT6

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

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	8/9/07	11 35	1. Received By	8/9/07	1145
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

22.4°C

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

52/52

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Charles E. McLeod - Greenstar Eng.	JRK	9/26/07	358594
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
6 Gellatly Drive	845-223-4944/4955		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Wappingers Falls / NY / 12590			
Project Name and Location (State)	**Carrier/Waybill Number**		
AIRCO Pickle - Niagara Falls, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ME	TSS	SO4	Cr6+ WQ	Ammonia	TPHENOLS	Special Instructions/ Conditions of Receipt
AP-MW-1B	09/26/07	0830		X			1	2	2				X	X	X	X	X	X	
AP-MW-6B	"	0955		X			1	2	2				X	X	X	X	X	X	
AP-MW-7B	"	1110		X			1	2	2				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 CR6 ONLY ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STANDARD TURN-AROUND FOR ALL OTHER ANALYSIS

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
S. Bar - GREENSTAR	9/26/07	1325		9/26/07	1325
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

Cool

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

88/128

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

AL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
Greenstar Engineering P.C.	Chip McLeod	12/6/07	369538
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
6 Gellatly Drive	845-223-9944		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Wappingers Falls / NY / 12590	C. McLeod	Jason K	
Project Name and Location (State)	**Carrier/Waybill Number**		
ATRCO Parcel (NY)			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Metals 2ω.E	PFOA/S	TKN, Ammonia	COD, Rad	Nitrate, Nitrite	TDS, TSS	Do, pH	WQ, Cr+6	TPHenols	Special Instructions/ Conditions of Receipt
AP-EWE-01	12/6/07	1400		X			4	2	1	2			X	X	X	X	X	X	X	X	X	Quarterly Discharge
AP-55-01	12/6/07	1330		X			4	2	1	2			X	X	X	X	X	X	X	X	X	Monitoring Program

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 _____
all but Cr+6

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	12/6/07	1605	[signature]	12/6/07	1605
2.						
3.				2.0°		

Comments

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

42/42

Attachment D

Laboratory Analytical Results for Groundwater and Surface Water Sampling September 2007

ANALYTICAL REPORT

Job#: A07-A820,A07-A884,A07-A886,A07-A888

Project#: NY5A9582
SDG#: A820
Site Name: Airco - Niagara Falls
Task: Airco Parcel, Niagara Falls

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

STL Buffalo

Jason R. Kacalski
Project Manager

10/11/2007

STL Buffalo
Current Certifications

As of 5/16/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
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	NELAP SDWA, CWA, RCRA	NY455
New York	NELAP AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7A82001	AP-DUP-01	WATER	09/25/2007		09/25/2007	14:50
A7A88801	AP-DUP-01	WATER	09/25/2007	00:00	09/25/2007	14:50
A7A88401	AP-MW-1B	WATER	09/26/2007	08:30	09/26/2007	13:25
A7A88601	AP-MW-1B	WATER	09/26/2007	08:30	09/26/2007	13:25
A7A82002	AP-MW-2B	WATER	09/25/2007	12:24	09/25/2007	14:50
A7A88802	AP-MW-2B	WATER	09/25/2007	12:24	09/25/2007	14:50
A7A82003	AP-MW-3B	WATER	09/25/2007	13:00	09/25/2007	14:50
A7A88803	AP-MW-3B	WATER	09/25/2007	13:00	09/25/2007	14:50
A7A88402	AP-MW-6B	WATER	09/26/2007	09:55	09/26/2007	13:25
A7A88602	AP-MW-6B	WATER	09/26/2007	09:55	09/26/2007	13:25
A7A88403	AP-MW-7B	WATER	09/26/2007	11:10	09/26/2007	13:25
A7A88603	AP-MW-7B	WATER	09/26/2007	11:10	09/26/2007	13:25
A7A82004	AP-MW-8B	WATER	09/25/2007	13:35	09/25/2007	14:50
A7A88804	AP-MW-8B	WATER	09/25/2007	13:35	09/25/2007	14:50
A7A82005	AP-RB-01	WATER	09/25/2007	13:45	09/25/2007	14:50
A7A88805	AP-RB-01	WATER	09/25/2007	13:45	09/25/2007	14:50
A7A82006	AP-SWB-01	WATER	09/25/2007	13:55	09/25/2007	14:50
A7A88806	AP-SWB-01	WATER	09/25/2007	13:55	09/25/2007	14:50

METHODS SUMMARY

Job#: A07-A820,A07-A884,A07-A886,A07-A888

Project#: NY5A9582
SDG#: A820
Site Name: Airco - Niagara Falls

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

References:

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

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

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

SDG NARRATIVE

Job#: A07-A820,A07-A884,A07-A886,A07-A888

Project#: NY5A9582
SDG#: A820
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

A07-A820
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A07-A884
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A07-A886
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A07-A888
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

Metals Data

The Iron and Magnesium values obtained for sample AP-MW-2B, the Iron and Zinc values obtained for sample AP-MW-3B, and the Cadmium, Iron, Manganese, Lead and Zinc values obtained for sample AP-MW-8B were inconsistent with historical trends. Reanalysis was performed and the values were confirmed. Only the results from the original analysis are provided in this data package.

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

Wet Chemistry Data

The recovery of sample AP-DUP-01 Matrix Spike exhibited results above the quality control limits for Hexavalent Chromium. However, the LCS was acceptable.

The value obtained for Sulfate on sample AP-MW-3B is inconsistent with historical trends. Reanalysis was performed and the value was confirmed.

The values obtained for Total Recoverable Phenolics on samples AP-DUP-01 and AP-MW-2B are inconsistent with historical trends. Distillation and analysis were performed a second time, and the values were confirmed.

****

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	A7A82001	Ammonia	2.00	008
AP-MW-2B	A7A82002	Ammonia	2.00	008
AP-MW-2B	A7A82002	Hexavalent Chromium - Total	5.00	008
AP-MW-8B	A7A82004	Sulfate	5.00	008
AP-MW-1B	A7A88401	Sulfate	5.00	008
AP-MW-6B	A7A88402	Sulfate	5.00	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

Date: 10/11/2007 Requested Reporting Limits < Lab PQL Page: 1
Time: 12:11:43 Rept: AN1520

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

Method	Parameter	Unit	Client RL	Lab PQL
420.2	Total Recoverable Phenolics	UG/L	8.0	10

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.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	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: A7A82001
Date Collected: 09/25/2007
Time Collected:

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/01/2007 21:30	AK
Chromium - Total	0.46		0.0040	MG/L	200.7	10/01/2007 21:30	AK
Iron - Total	ND		0.050	MG/L	200.7	10/01/2007 21:30	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/01/2007 21:30	AK
Magnesium - Total	ND		0.20	MG/L	200.7	10/01/2007 21:30	AK
Manganese - Total	ND		0.0030	MG/L	200.7	10/01/2007 21:30	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/01/2007 21:30	AK
Sodium - Total	40.8		1.0	MG/L	200.7	10/01/2007 21:30	AK
Thallium - Total	ND		0.020	MG/L	200.7	10/01/2007 21:30	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/01/2007 21:30	AK
Wet Chemistry Analysis							
Ammonia	ND		18.4	MG/L-N	350.1	09/26/2007 10:45	RMM
Hexavalent Chromium - Total	400		11.0	UG/L	7196A	09/26/2007 09:55	AEG
Sulfate	17.7		2.0	MG/L	300.0	09/27/2007 12:55	AEG
Total Recoverable Phenolics	18.0		8.0	UG/L	420.2	10/03/2007 11:48	RMM

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

Sample ID: AP-DUP-01
Lab Sample ID: A7A88801
Date Collected: 09/25/2007
Time Collected: 00:00

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	ND		2.50000	MG/L	6010	10/04/2007 14:15	SUB

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

Sample ID: AP-MW-1B
Lab Sample ID: A7A88401
Date Collected: 09/26/2007
Time Collected: 08:30

Date Received: 09/26/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/02/2007 23:40	AH
Chromium - Total	ND		0.0040	MG/L	200.7	10/02/2007 23:40	AH
Iron - Total	0.12		0.050	MG/L	200.7	10/02/2007 23:40	AH
Lead - Total	ND		0.0050	MG/L	200.7	10/02/2007 23:40	AH
Magnesium - Total	68.7		0.20	MG/L	200.7	10/02/2007 23:40	AH
Manganese - Total	0.76		0.0030	MG/L	200.7	10/02/2007 23:40	AH
Selenium - Total	ND		0.015	MG/L	200.7	10/02/2007 23:40	AH
Sodium - Total	115		1.0	MG/L	200.7	10/02/2007 23:40	AH
Thallium - Total	ND		0.020	MG/L	200.7	10/02/2007 23:40	AH
Zinc - Total	0.52		0.010	MG/L	200.7	10/02/2007 23:40	AH
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	09/27/2007 12:13	RMM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	09/26/2007 20:23	TL
Sulfate	258		10	MG/L	300.0	09/27/2007 12:55	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	09/28/2007 21:41	RLG

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

Sample ID: AP-MW-1B
Lab Sample ID: A7A88601
Date Collected: 09/26/2007
Time Collected: 08:30

Date Received: 09/26/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	6.9		2.50000	MG/L	6010	10/04/2007 14:01	SUB

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

Sample ID: AP-MW-2B
Lab Sample ID: A7A82002
Date Collected: 09/25/2007
Time Collected: 12:24

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/01/2007 21:36	AK
Chromium - Total	0.46		0.0040	MG/L	200.7	10/01/2007 21:36	AK
Iron - Total	0.42		0.050	MG/L	200.7	10/01/2007 21:36	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/01/2007 21:36	AK
Magnesium - Total	0.28		0.20	MG/L	200.7	10/01/2007 21:36	AK
Manganese - Total	0.012		0.0030	MG/L	200.7	10/01/2007 21:36	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/01/2007 21:36	AK
Sodium - Total	39.7		1.0	MG/L	200.7	10/01/2007 21:36	AK
Thallium - Total	ND		0.020	MG/L	200.7	10/01/2007 21:36	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/01/2007 21:36	AK
Wet Chemistry Analysis							
Ammonia	ND		18.4	MG/L-N	350.1	09/26/2007 10:45	RMM
Hexavalent Chromium - Total	260		55.0	UG/L	7196A	09/26/2007 09:55	AEG
Sulfate	17.2		2.0	MG/L	300.0	09/27/2007 12:55	AEG
Total Recoverable Phenolics	23.0		8.0	UG/L	420.2	10/03/2007 11:48	RMM

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

Sample ID: AP-MW-2B
Lab Sample ID: A7A88802
Date Collected: 09/25/2007
Time Collected: 12:24

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	ND		2.50000	MG/L	6010	10/04/2007 14:20	SUB

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

Sample ID: AP-MW-3B
Lab Sample ID: A7A82003
Date Collected: 09/25/2007
Time Collected: 13:00

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/01/2007 21:41	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/01/2007 21:41	AK
Iron - Total	0.17		0.050	MG/L	200.7	10/01/2007 21:41	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/01/2007 21:41	AK
Magnesium - Total	4.6		0.20	MG/L	200.7	10/01/2007 21:41	AK
Manganese - Total	0.0081		0.0030	MG/L	200.7	10/01/2007 21:41	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/01/2007 21:41	AK
Sodium - Total	59.8		1.0	MG/L	200.7	10/01/2007 21:41	AK
Thallium - Total	ND		0.020	MG/L	200.7	10/01/2007 21:41	AK
Zinc - Total	0.015		0.010	MG/L	200.7	10/01/2007 21:41	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	09/26/2007 10:45	RMM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	09/26/2007 09:55	AEG
Sulfate	41.8		2.0	MG/L	300.0	09/27/2007 12:55	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	09/29/2007 09:44	RLG

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

Sample ID: AP-MW-3B
Lab Sample ID: A7A88803
Date Collected: 09/25/2007
Time Collected: 13:00

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7.9		2.50000	MG/L	6010	10/04/2007 14:24	SUB

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

Sample ID: AP-MW-6B
Lab Sample ID: A7A88402
Date Collected: 09/26/2007
Time Collected: 09:55

Date Received: 09/26/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/02/2007 23:45	AH
Chromium - Total	ND		0.0040	MG/L	200.7	10/02/2007 23:45	AH
Iron - Total	0.34		0.050	MG/L	200.7	10/02/2007 23:45	AH
Lead - Total	ND		0.0050	MG/L	200.7	10/02/2007 23:45	AH
Magnesium - Total	81.3		0.20	MG/L	200.7	10/02/2007 23:45	AH
Manganese - Total	0.16		0.0030	MG/L	200.7	10/02/2007 23:45	AH
Selenium - Total	ND		0.015	MG/L	200.7	10/02/2007 23:45	AH
Sodium - Total	69.9		1.0	MG/L	200.7	10/02/2007 23:45	AH
Thallium - Total	ND		0.020	MG/L	200.7	10/02/2007 23:45	AH
Zinc - Total	ND		0.010	MG/L	200.7	10/02/2007 23:45	AH
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	09/27/2007 12:13	RMM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	09/26/2007 20:23	TL
Sulfate	305		10	MG/L	300.0	09/27/2007 12:55	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	09/28/2007 21:41	RLG

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

Sample ID: AP-MW-6B
Lab Sample ID: A7A88602
Date Collected: 09/26/2007
Time Collected: 09:55

Date Received: 09/26/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7.0		2.50000	MG/L	6010	10/04/2007 14:06	SUB

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

Sample ID: AP-MW-7B
Lab Sample ID: A7A88403
Date Collected: 09/26/2007
Time Collected: 11:10

Date Received: 09/26/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/02/2007 23:50	AH
Chromium - Total	0.010		0.0040	MG/L	200.7	10/02/2007 23:50	AH
Iron - Total	0.20		0.050	MG/L	200.7	10/02/2007 23:50	AH
Lead - Total	ND		0.0050	MG/L	200.7	10/02/2007 23:50	AH
Magnesium - Total	7.8		0.20	MG/L	200.7	10/02/2007 23:50	AH
Manganese - Total	0.022		0.0030	MG/L	200.7	10/02/2007 23:50	AH
Selenium - Total	ND		0.015	MG/L	200.7	10/02/2007 23:50	AH
Sodium - Total	54.3		1.0	MG/L	200.7	10/02/2007 23:50	AH
Thallium - Total	ND		0.020	MG/L	200.7	10/02/2007 23:50	AH
Zinc - Total	ND		0.010	MG/L	200.7	10/02/2007 23:50	AH
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	09/28/2007 10:22	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	09/26/2007 20:23	TL
Sulfate	28.8		2.0	MG/L	300.0	09/27/2007 12:55	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	09/28/2007 21:41	RLG

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

Sample ID: AP-MW-7B
Lab Sample ID: A7A88603
Date Collected: 09/26/2007
Time Collected: 11:10

Date Received: 09/26/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	5.3		2.50000	MG/L	6010	10/04/2007 14:11	SUB

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

Sample ID: AP-MW-8B
Lab Sample ID: A7A82004
Date Collected: 09/25/2007
Time Collected: 13:35

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	0.0032		0.0010	MG/L	200.7	10/01/2007 21:47	AK
Chromium - Total	0.19		0.0040	MG/L	200.7	10/01/2007 21:47	AK
Iron - Total	34.8		0.050	MG/L	200.7	10/01/2007 21:47	AK
Lead - Total	0.077		0.0050	MG/L	200.7	10/01/2007 21:47	AK
Magnesium - Total	85.3		0.20	MG/L	200.7	10/01/2007 21:47	AK
Manganese - Total	1.5		0.0030	MG/L	200.7	10/01/2007 21:47	AK
Selenium - Total	0.083		0.015	MG/L	200.7	10/01/2007 21:47	AK
Sodium - Total	122		1.0	MG/L	200.7	10/01/2007 21:47	AK
Thallium - Total	ND		0.020	MG/L	200.7	10/01/2007 21:47	AK
Zinc - Total	0.67		0.010	MG/L	200.7	10/01/2007 21:47	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	09/26/2007 10:45	RMM
Hexavalent Chromium - Total	116		11.0	UG/L	7196A	09/26/2007 09:55	AEG
Sulfate	282		10	MG/L	300.0	10/09/2007 12:04	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	09/29/2007 09:44	RLG

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

Sample ID: AP-MW-8B
Lab Sample ID: A7A88804
Date Collected: 09/25/2007
Time Collected: 13:35

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	31.6		2.50000	MG/L	6010	10/04/2007 14:43	SUB

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

Sample ID: AP-RB-01
Lab Sample ID: A7A82005
Date Collected: 09/25/2007
Time Collected: 13:45

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/01/2007 21:52	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/01/2007 21:52	AK
Iron - Total	ND		0.050	MG/L	200.7	10/01/2007 21:52	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/01/2007 21:52	AK
Magnesium - Total	1.0		0.20	MG/L	200.7	10/01/2007 21:52	AK
Manganese - Total	ND		0.0030	MG/L	200.7	10/01/2007 21:52	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/01/2007 21:52	AK
Sodium - Total	3.2		1.0	MG/L	200.7	10/01/2007 21:52	AK
Thallium - Total	ND		0.020	MG/L	200.7	10/01/2007 21:52	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/01/2007 21:52	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	09/26/2007 10:45	RMM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	09/26/2007 09:55	AEG
Sulfate	4.3		2.0	MG/L	300.0	09/27/2007 12:55	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	09/29/2007 09:44	RLG

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

Sample ID: AP-RB-01
Lab Sample ID: A7A88805
Date Collected: 09/25/2007
Time Collected: 13:45

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	5.0		2.50000	MG/L	6010	10/04/2007 14:47	SUB

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

Sample ID: AP-SWB-01
Lab Sample ID: A7A82006
Date Collected: 09/25/2007
Time Collected: 13:55

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	10/01/2007 21:57	AK
Chromium - Total	ND		0.0040	MG/L	200.7	10/01/2007 21:57	AK
Iron - Total	ND		0.050	MG/L	200.7	10/01/2007 21:57	AK
Lead - Total	ND		0.0050	MG/L	200.7	10/01/2007 21:57	AK
Magnesium - Total	1.0		0.20	MG/L	200.7	10/01/2007 21:57	AK
Manganese - Total	ND		0.0030	MG/L	200.7	10/01/2007 21:57	AK
Selenium - Total	ND		0.015	MG/L	200.7	10/01/2007 21:57	AK
Sodium - Total	3.2		1.0	MG/L	200.7	10/01/2007 21:57	AK
Thallium - Total	ND		0.020	MG/L	200.7	10/01/2007 21:57	AK
Zinc - Total	ND		0.010	MG/L	200.7	10/01/2007 21:57	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	09/26/2007 10:45	RMM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	09/26/2007 09:55	AEG
Sulfate	3.8		2.0	MG/L	300.0	09/27/2007 12:55	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	09/29/2007 09:44	RLG

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

Sample ID: AP-SWB-01
Lab Sample ID: A7A88806
Date Collected: 09/25/2007
Time Collected: 13:55

Date Received: 09/25/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	4.3		2.50000	MG/L	6010	10/04/2007 14:52	SUB

Batch Quality Control Data

Lab Sample ID: A7A32401 A7A32401MS A7A32401SD

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-METH 9066 TOTAL RECOVERABLE PHE	MG/L	0	0.0936	0.109	0.100	0.100	94	110	102	16	20.0	60-143

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

Lab Sample ID: A7A60504 A7A60504MS

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	0.112	0.625	0.500	102	54-150

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

Lab Sample ID: A7A60505 A7A60505MS

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	0.280	0.832	0.500	110	54-150

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

Lab Sample ID: A7A78901 A7A78901MS A7A78901SD

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												
9066 - TOTAL RECOVERABLE PHENOLICS -	MG/L	0	0.0809	0.0974	0.100	0.100	81	97	89	18	20.0	60-143
METHOD 300.0 - CHLORIDE	MG/L	81.93	134.4	133.7	50.00	50.00	105	104	105	1	20.0	73-114
METHOD 350.1 - AMMONIA	MG/L-N	0.506	0.634	0.627	0.200	0.200	64	60	62	6	20.0	54-150

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

Lab Sample ID: A7A79004 A7A79004MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE BY IC	MG/L	1748	2902	1250	92	73-114

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

Lab Sample ID: A7A79009 A7A79009MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE BY IC	MG/L	2387	3367	1250	78	73-114

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

Lab Sample ID: A7A79505 A7A79505MS

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	0.0498	0.223	0.200	87	54-150

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

Lab Sample ID: A7A79903 A7A79903MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - CHLORIDE	MG/L	4.08	27.56	25.00	94	73-114

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

Lab Sample ID: A7A82001 A7A82001MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	400.0	748.0	250.0	139 *	75-120

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

Lab Sample ID: A7A82003 A7A82003MS

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	41.84	63.75	25.00	88	75-125

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

Lab Sample ID: A7A82901 A7A82901MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM	UG/L	0	51.00	50.00	102	75-120

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

Lab Sample ID: A7A83505 A7A83505MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS						
ASPOO METHOD 7196A - HEXAVALENT CHROMI	MG/L	0	0.0550	0.0500	110	75-120

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

Lab Sample ID: A7A83902 A7A83902MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
SOLUBLE HEXAVALENT CHROMIUM	MG/L	0	0	0.0500	0 *	85-115

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

Lab Sample ID: A7A84303 A7A84303MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
METHOD 350.1 - AMMONIA - AUTOMATED	MG/L-N	0.212	0.384	0.200	86	54-150
METHOD 9065 - TOTAL RECOVERABLE PHENOL	MG/L	0	0.102	0.100	103	60-143

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

Lab Sample ID: A7A84403 A7A84403MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
SOLUBLE HEXAVALENT CHROMIUM	MG/L	0	0.0410	0.0500	82 *	85-115

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

Lab Sample ID: A7A85603 A7A85603MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - CHLORIDE	MG/L	3.19	27.11	25.00	96	73-114

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

Lab Sample ID: A7A85606 A7A85606MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - CHLORIDE	MG/L	21.42	45.44	25.00	96	73-114

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

Lab Sample ID: A7A88402 A7A88402MS

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	53.00	50.00	106	75-120

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

Lab Sample ID: A7A89404 A7A89404MS A7A89404SD

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	20.50	139.8	147.6	125.0	125.0	95	102	99	7	20.0	75-125

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

Lab Sample ID: A7A90201 A7A90201MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS						
ASP 00 METHOD 350.1 - AMMONIA	MG/L-N	1.89	2.07	0.200	89	54-150

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

Lab Sample ID: A7A91203 A7A91203MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA - AUTOMATED	MG/L-N	36.68	39.68	4.00	75	54-150

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

Lab Sample ID: A7A92013 A7A92013MS

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	0.0330	0.202	0.200	84	54-150

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

Lab Sample ID: A7A92811 A7A92811MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
EPA 350.1 - AMMONIA NITROGEN	MG/L-N	0	0.180	0.200	90	54-150

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

Lab Sample ID: A7A95303 A7A95303MS

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	0.170	0.200	85	54-150

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

Lab Sample ID: A7A95503 A7A95503MS

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	278.4	346.0	40.00	169 *	54-150

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

Lab Sample ID: A7A95914 A7A95914MS

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	0.318	0.489	0.200	86	54-150

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

Lab Sample ID: A7A99905 A7A99905MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - FLUORIDE	MG/L	0.210	2.93	2.50	109	77-119

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

Lab Sample ID: A7B04603 A7B04603MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
METHOD 420.2 - TOTAL RECOVERABLE PHENO	MG/L	0	0.0843	0.100	84	60-143
METHOD SM4110C - SULFATE	MG/L	33.48	59.40	25.00	104	75-125

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

Lab Sample ID: A7B06604 A7B06604MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
TOTAL RECOVERABLE PHENOLICS	UG/L	0	109.3	100.0	109	60-143

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

Lab Sample ID: A7B13003 A7B13003MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS PLAINVILLE - METHOD 300.0 - SULFATE -	MG/L	22.84	47.73	25.00	100	75-125

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

Lab Sample ID: A7B13009 A7B13009MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS PLAINVILLE - METHOD 300.0 - CHLORIDE -	MG/L	70.57	94.91	25.00	97	73-114

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

Lab Sample ID: A7B13301 A7B13301MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS PLAINVILLE - METHOD 300.0 - SULFATE -	MG/L	11.64	37.02	25.00	102	75-125

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

Lab Sample ID: A7B14103 A7B14103MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS METHOD SM4110C - CHLORIDE	MG/L	20.50	47.13	25.00	106	73-114

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

Lab Sample ID: A7B19402 A7B19402MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS						
SM4110C - TOTAL CHLORIDE BY IC - 0.50	MG/L	23.22	48.49	25.00	101	73-114

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

Lab Sample ID: A7B29101 A7B29101MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE BY IC	MG/L	37.59	62.50	25.00	100	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 A07-A884 A7B1514502		Method Blank A07-A820 A7B1522902					
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		MBLK		MBLK		MBLK		Method Blank	
Job No / Lab ID		A07-A884	A7B1536002	A07-A820	A7B1536102	A07-A820	A7B1556102	A07-A820	A7B1510702
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Recoverable Phenolics	UG/L	ND	8.0	ND	8.0	ND	8.0	NA	
Hexavalent Chromium - Total	UG/L	NA		NA		NA		ND	11.0

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A07-A820	A7B1512302	A07-A884	A7B1516102	A07-A884	A7B1520802	A07-A884	A7B1521702
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		ND	9.2	NA	
Hexavalent Chromium - Total	UG/L	NA		ND	11.0	NA		NA	
Sulfate	MG/L	NA		NA		NA		ND	2.0

Client ID		Method Blank		Method Blank					
Job No / Lab ID		A07-A884	A7B1529602	A07-A820	A7B1592602				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Ammonia	MG/L-N	ND	9.2	NA		NA		NA	
Sulfate	MG/L	NA		ND	2.0	NA		NA	

NA = Not Applicable ND = Not Detected

SDG: A820

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B1514502 A7B1514501

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	0.204	0.200	102	85-115
200.7 TOTAL CHROMIUM - W	MG/L	0.201	0.200	101	85-115
200.7 TOTAL IRON	MG/L	10.14	10.0	101	85-115
200.7 TOTAL LEAD - W	MG/L	0.206	0.200	103	85-115
TOTAL MAGNESIUM	MG/L	10.03	10.0	100	85-115
TOTAL MANGANESE	MG/L	0.200	0.200	100	85-115
TOTAL SELENIUM	MG/L	0.216	0.200	108	85-115
TOTAL SODIUM	MG/L	9.96	10.0	99	85-115
TOTAL THALLIUM	MG/L	0.214	0.200	107	85-115
TOTAL ZINC	MG/L	0.207	0.200	104	85-115

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

SDG: A820

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B1522902 A7B1522901

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	0.197	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	10.01	10.0	100	85-115
200.7 TOTAL LEAD - W	MG/L	0.203	0.200	101	85-115
TOTAL MAGNESIUM	MG/L	9.89	10.0	98	85-115
TOTAL MANGANESE	MG/L	0.199	0.200	99	85-115
TOTAL SELENIUM	MG/L	0.208	0.200	104	85-115
TOTAL SODIUM	MG/L	10.26	10.0	103	85-115
TOTAL THALLIUM	MG/L	0.204	0.200	102	85-115
TOTAL ZINC	MG/L	0.199	0.200	100	85-115

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

SDG: A820
Client Sample ID: AP-DUP-01 AP-DUP-01
Lab Sample ID: A7A82001 A7A82001MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	400.0	748.0	250.0	139 *	75-120

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

SDG: A820

Client Sample ID: AP-MW-3B — AP-MW-3B
Lab Sample ID: A7A82003 — A7A82003MS

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	41.84	63.75	25.00	88	75-125

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

SDG: A820

Client Sample ID: AP-MW-6B AP-MW-6B
Lab Sample ID: A7A88402 A7A88402MS

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	53.00	50.00	106	75-120

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

SDG: A820

Client Sample ID:	MBLK	LCS
Lab Sample ID:	A7B1536002	A7B1536001

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	622.2	717.0	87	75-125

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

SDG: A820

Client Sample ID: MBLK LCS
Lab Sample ID: A7B1536102 A7B1536101

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	690.9	717.0	96	75-125

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

SDG: A820

Client Sample ID:	MBLK	LCS
Lab Sample ID:	A7B1556102	A7B1556101

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	665.1	717.0	93	75-125

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

SDG: A820

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1510702 A7B1510701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	51.00	50.00	102	85-115

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

SDG: A820

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1516102 A7B1516101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	49.00	50.00	98	85-115

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

SDG: A820

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1520802 A7B1520801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.728	0.750	97	90-110

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

SDG: A820

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1521702 A7B1521701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	20.26	20.00	101	90-110

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

SDG: A820

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1529602 A7B1529601

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	0.753	0.750	100	90-110

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

SDG: A820

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1592602 A7B1592601

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	19.14	20.00	96	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	T H	Analysis Date	ANL INI	A H	Matrix
A7A82001	AP-DUP-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/01 21:30	AK	Y	WATER
A7A88801	AP-DUP-01	RECNY	Silicon - Total	6010	1.0	0.05	L	09/25/07	09/25 14:50	NA		10/04 14:15	SUB	Y	WATER
A7A88401	AP-MW-1B	RECNY	Selenium - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/02 23:40	AH	Y	WATER
A7A88601	AP-MW-1B	RECNY	Silicon - Total	6010	1.0	0.05	L	09/26/07 08:30	09/26 13:25	NA		10/04 14:01	SUB	Y	WATER
A7A82002	AP-MW-2B	RECNY	Selenium - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/01 21:36	AK	Y	WATER
A7A88802	AP-MW-2B	RECNY	Silicon - Total	6010	1.0	0.05	L	09/25/07 12:24	09/25 14:50	NA		10/04 14:20	SUB	Y	WATER
A7A82003	AP-MW-3B	RECNY	Selenium - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/01 21:41	AK	Y	WATER
A7A88803	AP-MW-3B	RECNY	Silicon - Total	6010	1.0	0.05	L	09/25/07 13:00	09/25 14:50	NA		10/04 14:24	SUB	Y	WATER
A7A88402	AP-MW-6B	RECNY	Selenium - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	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
A7A88402	AP-MW-6B	RECNY	Sodium - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/02 23:45	AH	Y	WATER
A7A88602	AP-MW-6B	RECNY	Silicon - Total	6010	1.0	0.05	L	09/26/07 09:55	09/26 13:25	NA		10/04 14:06	SUB	Y	WATER
A7A88403	AP-MW-7B	RECNY	Selenium - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/02 23:50	AH	Y	WATER
A7A88603	AP-MW-7B	RECNY	Silicon - Total	6010	1.0	0.05	L	09/26/07 11:10	09/26 13:25	NA		10/04 14:11	SUB	Y	WATER
A7A82004	AP-MW-8B	RECNY	Selenium - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/01 21:47	AK	Y	WATER
A7A88804	AP-MW-8B	RECNY	Silicon - Total	6010	1.0	0.05	L	09/25/07 13:35	09/25 14:50	NA		10/04 14:43	SUB	Y	WATER
A7A82005	AP-RB-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/01 21:52	AK	Y	WATER
A7A88805	AP-RB-01	RECNY	Silicon - Total	6010	1.0	0.05	L	09/25/07 13:45	09/25 14:50	NA		10/04 14:47	SUB	Y	WATER
A7A82006	AP-SWB-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

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

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7A82006	AP-SWB-01	RECNY	Cadmium - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/01 21:57	AK	Y	WATER
A7A88806	AP-SWB-01	RECNY	Silicon - Total	6010	1.0	0.05	L	09/25/07 13:55	09/25 14:50	NA		10/04 14:52	SUB	Y	WATER

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TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
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
A7B1514502	Method Blank	RECNY	Selenium - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05 L	-	-	NA		09/28 17:37	AK	Y	WATER
A7B1522902	Method Blank	RECNY	Selenium - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05 L	-	-	NA		10/01 21:14	AK	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

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

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7A82001	AP-DUP-01	RECNY	Sulfate	300.0	1.0			09/25/07	09/25 14:50	NA		09/27 12:55	AEG	Y	WATER
		RECNY	Ammonia	350.1	2.0			09/25/07	09/25 14:50	NA		09/26 10:45	RMM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			09/25/07	09/25 14:50	NA		10/03 11:48	RMM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	09/25/07	09/25 14:50	NA		09/26 09:55	AEG	Y	WATER
A7A88401	AP-MW-1B	RECNY	Sulfate	300.0	5.0			09/26/07 08:30	09/26 13:25	NA		09/27 12:55	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			09/26/07 08:30	09/26 13:25	NA		09/27 12:13	RMM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			09/26/07 08:30	09/26 13:25	NA		09/28 21:41	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	09/26/07 08:30	09/26 13:25	NA		09/26 20:23	TL	Y	WATER
A7A82002	AP-MW-2B	RECNY	Sulfate	300.0	1.0			09/25/07 12:24	09/25 14:50	NA		09/27 12:55	AEG	Y	WATER
		RECNY	Ammonia	350.1	2.0			09/25/07 12:24	09/25 14:50	NA		09/26 10:45	RMM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			09/25/07 12:24	09/25 14:50	NA		10/03 11:48	RMM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	5.0	0.1	L	09/25/07 12:24	09/25 14:50	NA		09/26 09:55	AEG	Y	WATER
A7A82003	AP-MW-3B	RECNY	Sulfate	300.0	1.0			09/25/07 13:00	09/25 14:50	NA		09/27 12:55	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			09/25/07 13:00	09/25 14:50	NA		09/26 10:45	RMM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			09/25/07 13:00	09/25 14:50	NA		09/29 09:44	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	09/25/07 13:00	09/25 14:50	NA		09/26 09:55	AEG	Y	WATER
A7A88402	AP-MW-6B	RECNY	Sulfate	300.0	5.0			09/26/07 09:55	09/26 13:25	NA		09/27 12:55	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			09/26/07 09:55	09/26 13:25	NA		09/27 12:13	RMM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			09/26/07 09:55	09/26 13:25	NA		09/28 21:41	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	09/26/07 09:55	09/26 13:25	NA		09/26 20:23	TL	Y	WATER
A7A88403	AP-MW-7B	RECNY	Sulfate	300.0	1.0			09/26/07 11:10	09/26 13:25	NA		09/27 12:55	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			09/26/07 11:10	09/26 13:25	NA		09/28 10:22	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			09/26/07 11:10	09/26 13:25	NA		09/28 21:41	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	09/26/07 11:10	09/26 13:25	NA		09/26 20:23	TL	Y	WATER
A7A82004	AP-MW-8B	RECNY	Sulfate	300.0	5.0			09/25/07 13:35	09/25 14:50	NA		10/09 12:04	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			09/25/07 13:35	09/25 14:50	NA		09/26 10:45	RMM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			09/25/07 13:35	09/25 14:50	NA		09/29 09:44	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	09/25/07 13:35	09/25 14:50	NA		09/26 09:55	AEG	Y	WATER
A7A82005	AP-RB-01	RECNY	Sulfate	300.0	1.0			09/25/07 13:45	09/25 14:50	NA		09/27 12:55	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			09/25/07 13:45	09/25 14:50	NA		09/26 10:45	RMM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			09/25/07 13:45	09/25 14:50	NA		09/29 09:44	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	09/25/07 13:45	09/25 14:50	NA		09/26 09:55	AEG	Y	WATER
A7A82006	AP-SWB-01	RECNY	Sulfate	300.0	1.0			09/25/07 13:55	09/25 14:50	NA		09/27 12:55	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			09/25/07 13:55	09/25 14:50	NA		09/26 10:45	RMM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			09/25/07 13:55	09/25 14:50	NA		09/29 09:44	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	09/25/07 13:55	09/25 14:50	NA		09/26 09:55	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 (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
A7B1536002	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		09/28 20:51	RLG	Y	WATER
A7B1536102	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		09/29 09:00	RLG	Y	WATER
A7B1556102	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		10/03 10:47	RMM	Y	WATER
A7B1510702	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	-	-	NA		09/26 09:55	AEG	Y	WATER
A7B1512302	Method Blank	RECNY	Ammonia	350.1	1.0			-	-	NA		09/26 10:45	RMM	Y	WATER
A7B1516102	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	-	-	NA		09/26 20:23	TL	Y	WATER
A7B1520802	Method Blank	RECNY	Ammonia	350.1	1.0			-	-	NA		09/27 12:13	RMM	Y	WATER
A7B1521702	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		09/27 12:55	AEG	Y	WATER
		RECNY	Sulfate	300.0	1.0			-	-	NA		09/27 12:55	AEG	Y	WATER
A7B1529602	Method Blank	RECNY	Ammonia	350.1	1.0			-	-	NA		09/28 10:22	ERK	Y	WATER
A7B1592602	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		10/09 12:04	AEG	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

Appendix A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-2876-1

SDG Number: 220-2876

Job Description: Greenstar Env't Solutions A07-A888

For:
TestAmerica Laboratories, Inc.
10 Hazelwood Drive
Amherst, NY 14228-2298

Attention: Mr. Jason Kacalski

Cheryl Ann Cascella

Designee for
Jill M Duhancik
Project Manager I
jill.duhancik@testamericainc.com
10/08/2007

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Narrative
220-J2876-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL CT	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	TAL CT		SW846 3010A

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Method	Analyst	Analyst ID
SW846 6010B	Petronchak, Nestor	NP

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-2876-1	AP-DUP-01	Water	09/25/2007 0000	09/27/2007 0930
220-2876-2	AP-MW-2B	Water	09/25/2007 1224	09/27/2007 0930
220-2876-3	AP-MW-3B	Water	09/25/2007 1300	09/27/2007 0930
220-2876-4	AP-MW-8B	Water	09/25/2007 1335	09/27/2007 0930
220-2876-5	AP-RB-01	Water	09/25/2007 1345	09/27/2007 0930
220-2876-6	AP-SWB-01	Water	09/25/2007 1355	09/27/2007 0930

SAMPLE RESULTS

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Client Sample ID: AP-DUP-01

Lab Sample ID: 220-2876-1
Client Matrix: Water

Date Sampled: 09/25/2007 0000
Date Received: 09/27/2007 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 220-9933		Instrument ID:	TJA Trace ICAP
Preparation:	3010A	Prep Batch: 220-9875		Lab File ID:	D100407
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2007 1415			Final Weight/Volume:	50 mL
Date Prepared:	10/03/2007 1129				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	2500	U	500	2500

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Client Sample ID: AP-MW-2B

Lab Sample ID: 220-2876-2
Client Matrix: Water

Date Sampled: 09/25/2007 1224
Date Received: 09/27/2007 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 10/04/2007 1420
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875

Instrument ID: TJA Trace ICAP
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	2500	U	500	2500

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Client Sample ID: AP-MW-3B

Lab Sample ID: 220-2876-3
Client Matrix: Water

Date Sampled: 09/25/2007 1300
Date Received: 09/27/2007 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 10/04/2007 1424
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875

Instrument ID: TJA Trace ICAP
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	7900		500	2500

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Client Sample ID: AP-MW-8B

Lab Sample ID: 220-2876-4
Client Matrix: Water

Date Sampled: 09/25/2007 1335
Date Received: 09/27/2007 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 10/04/2007 1443
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875

Instrument ID: TJA Trace ICAP
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	31600		500	2500

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Client Sample ID: AP-RB-01

Lab Sample ID: 220-2876-5
Client Matrix: Water

Date Sampled: 09/25/2007 1345
Date Received: 09/27/2007 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 10/04/2007 1447
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875

Instrument ID: TJA Trace ICAP
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	5000		500	2500

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Client Sample ID: AP-SWB-01

Lab Sample ID: 220-2876-6
Client Matrix: Water

Date Sampled: 09/25/2007 1355
Date Received: 09/27/2007 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 10/04/2007 1452
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875

Instrument ID: TJA Trace ICAP
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	4300		500	2500

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Lab Section	Qualifier	Description
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-9875					
LCS 220-9875/2-A	Lab Control Spike	T	Water	3010A	
MB 220-9875/1-A	Method Blank	T	Water	3010A	
220-2876-1	AP-DUP-01	T	Water	3010A	
220-2876-2	AP-MW-2B	T	Water	3010A	
220-2876-3	AP-MW-3B	T	Water	3010A	
220-2876-3DU	Duplicate	T	Water	3010A	
220-2876-4	AP-MW-8B	T	Water	3010A	
220-2876-5	AP-RB-01	T	Water	3010A	
220-2876-6	AP-SWB-01	T	Water	3010A	
Analysis Batch:220-9933					
LCS 220-9875/2-A	Lab Control Spike	T	Water	6010B	220-9875
MB 220-9875/1-A	Method Blank	T	Water	6010B	220-9875
220-2876-1	AP-DUP-01	T	Water	6010B	220-9875
220-2876-2	AP-MW-2B	T	Water	6010B	220-9875
220-2876-3	AP-MW-3B	T	Water	6010B	220-9875
220-2876-3DU	Duplicate	T	Water	6010B	220-9875
220-2876-4	AP-MW-8B	T	Water	6010B	220-9875
220-2876-5	AP-RB-01	T	Water	6010B	220-9875
220-2876-6	AP-SWB-01	T	Water	6010B	220-9875

Report Basis
T = Total

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
Sdg Number: 220-2876

Method Blank - Batch: 220-9875

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 220-9875/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2007 1352
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875
Units: ug/L

Instrument ID: TJA Trace ICAP 61E1
Lab File ID: D100407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Si	500	U	100	500

Duplicate - Batch: 220-9875

Method: 6010B
Preparation: 3010A

Lab Sample ID: 220-2876-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2007 1429
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875
Units: ug/L

Instrument ID: TJA Trace ICAP 61E1
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Si	7900	9470	19	20	

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

SEVERN TRENT STL

MISCELLANEOUS DOCUMENTS

STL Buffalo
Internal Chain of Custody

Client: Greenstar Environmental Solutions, LLC
Project: NY5A9582
Quote: NY05-605
SM #: 524

PM: Jason R. Kacalski
Due Date: 10/06/2007
Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
AP-DUP-01 (5)	A7A88801	WATER	T SI	1-8ozP	09/25/2007 00:00
AP-MW-2B (2)	A7A88802	WATER	T SI	1-8ozP	09/25/2007 12:24
AP-MW-3B (3)	A7A88803	WATER	T SI	1-8ozP	09/25/2007 13:00
AP-MW-8B (4)	A7A88804	WATER	T SI	1-8ozP	09/25/2007 13:35
AP-RB-01 (5)	A7A88805	WATER	T SI	1-8ozP	09/25/2007 13:45
AP-SWB-01 (6)	A7A88806	WATER	T SI	1-8ozP	09/25/2007 13:55

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By TestAmerica - CT (Shelton): Signature(s)	Date	Time
(1)	1/24/2007	1605	(3)	9/27/2007	9:30
(2)	/ /20		(4)	/ /20	

220-276

PASSED RAD SCREEN
23.0°C
no ice in Cooler

STL/CT PRESERVATIVE RECORD

Job Number: 220-2876
Client: Buffalo
Client Project: TSi

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
220-2876-1	HNO_3	<2	N/A	N/A	N/A	TD	9/27/07
-2		<2					
-3		<2					
-4		<2					
-5		<2					
220-2876-6	HNO_3	<2	N/A	N/A	N/A	TD	9/27/07

9/27/07

STL Form# SMF00203.CT

220-2876

Buffalo/TSi

STL - Connecticut
Internal Chain-of-Custody

Trip Blank: ~

QC: ~ Air: ~

FB: ~

Soil: ~ Water: #1-6

Date Received: 9/27/07

Sample #s: 1-6

Locations: BBB

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-6	LB	BC	9/28	1600	Mtl	BC	LB	9/28	

STL Form# SMF00507.CT

Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2876-1
SDG Number: 220-2876

Login Number: 2876
Creator: Dini, Tracy
List Number: 1

List Source: TestAmerica Connecticut

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	23.0C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-2874-1

SDG Number: 220-2874

Job Description: Greenstar Env't Solutions A07-A886

For:
TestAmerica Laboratories, Inc.
10 Hazelwood Drive
Amherst, NY 14228-2298

Attention: Mr. Jason Kacalski

Cheryl Ann Cascella

Designee for
Jill M Duhancik
Project Manager I
jill.duhancik@testamericainc.com
10/08/2007

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Narrative
220-J2874-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
Sdg Number: 220-2874

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL CT	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	TAL CT		SW846 3010A

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
Sdg Number: 220-2874

Method	Analyst	Analyst ID
SW846 6010B	Petronchak, Nestor	NP

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
Sdg Number: 220-2874

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-2874-1	AP-MW-1B	Water	09/26/2007 0830	09/27/2007 0930
220-2874-2	AP-MW-6B	Water	09/26/2007 0955	09/27/2007 0930
220-2874-3	AP-MW-7B	Water	09/26/2007 1110	09/27/2007 0930

SAMPLE RESULTS

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
Sdg Number: 220-2874

Client Sample ID: AP-MW-1B

Lab Sample ID: 220-2874-1
Client Matrix: Water

Date Sampled: 09/26/2007 0830
Date Received: 09/27/2007 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 10/04/2007 1401
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875

Instrument ID: TJA Trace ICAP
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	6900		500	2500

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
Sdg Number: 220-2874

Client Sample ID: AP-MW-6B

Lab Sample ID: 220-2874-2
Client Matrix: Water

Date Sampled: 09/26/2007 0955
Date Received: 09/27/2007 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 10/04/2007 1406
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875

Instrument ID: TJA Trace ICAP
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	7000		500	2500

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
Sdg Number: 220-2874

Client Sample ID: AP-MW-7B

Lab Sample ID: 220-2874-3
Client Matrix: Water

Date Sampled: 09/26/2007 1110
Date Received: 09/27/2007 0930

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 10/04/2007 1411
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875

Instrument ID: TJA Trace ICAP
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	5300		500	2500

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
Sdg Number: 220-2874

Lab Section	Qualifier	Description
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
Sdg Number: 220-2874

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-9875					
LCS 220-9875/2-A	Lab Control Spike	T	Water	3010A	
MB 220-9875/1-A	Method Blank	T	Water	3010A	
220-2874-1	AP-MW-1B	T	Water	3010A	
220-2874-2	AP-MW-6B	T	Water	3010A	
220-2874-3	AP-MW-7B	T	Water	3010A	
220-2876-A-3-D DU	Duplicate	T	Water	3010A	
Analysis Batch:220-9933					
LCS 220-9875/2-A	Lab Control Spike	T	Water	6010B	220-9875
MB 220-9875/1-A	Method Blank	T	Water	6010B	220-9875
220-2874-1	AP-MW-1B	T	Water	6010B	220-9875
220-2874-2	AP-MW-6B	T	Water	6010B	220-9875
220-2874-3	AP-MW-7B	T	Water	6010B	220-9875
220-2876-A-3-D DU	Duplicate	T	Water	6010B	220-9875

Report Basis
T = Total

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
Sdg Number: 220-2874

Method Blank - Batch: 220-9875

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 220-9875/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2007 1352
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875
Units: ug/L

Instrument ID: TJA Trace ICAP 61E1
Lab File ID: D100407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Si	500	U	100	500

Duplicate - Batch: 220-9875

Method: 6010B
Preparation: 3010A

Lab Sample ID: 220-2876-A-3-D DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2007 1429
Date Prepared: 10/03/2007 1129

Analysis Batch: 220-9933
Prep Batch: 220-9875
Units: ug/L

Instrument ID: TJA Trace ICAP 61E1
Lab File ID: D100407
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Si	7900	9470	19	20	

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

SEVERN TRENT STL

MISCELLANEOUS DOCUMENTS

Client: Greenstar Environmental Solutions, LLC
Project: NY5A9582
Quote: NY05-605
SM #: 523

PM: Jason R. Kacalski
Due Date: 10/09/2007
Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
AP-MW-1B	A7A88601	WATER	T SI	1-8ozP	09/26/2007 08:30
AP-MW-6B	A7A88602	WATER	T SI	1-8ozP	09/26/2007 09:55
AP-MW-7B	A7A88603	WATER	T SI	1-8ozP	09/26/2007 11:10

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By TestAmerica - CT (Shelton): Signature(s)	Date	Time
(1)	9/26/2007	1605	(3)	9/27/2007	9:30
(2)	/ /20		(4)	/ /20	

PASSED RAD SCREEN
23.0°C
no ice in Cooler

220-2874

STL/CT PRESERVATIVE RECORD

Job Number: 220-2874
Client: Ruff & Co
Client Project: TSI

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
220-2874-1	HNO_3	<2	N/A	N/A	N/A	TD	9/27/07
220-2874-2	HNO_3	<2	N/A	N/A	N/A	TD	9/27/07
220-2874-3	HNO_3	<2	N/A	N/A	N/A	TD	9/27/07
				9/27/07			

Scan

STL Form# SMF00203.CT

220-2874
Buffalo/TSI

STL - Connecticut
Internal Chain-of-Custody

Trip Blank: —

QC: — Air: —

FB: —

Soil: — Water: #1-3

Date Received: 9/27/07

Sample #s: 1-3

Locations: 88B

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-3		BC	9/28	1500	ntl	BC		9/28	1700
1-2		BC	10/1	900	ntl	BC		10/1	1030

STL Form# SMF00507.CT

Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc.

Job Number: 220-2874-1
SDG Number: 220-2874

Login Number: 2874
Creator: Dini, Tracy
List Number: 1

List Source: TestAmerica Connecticut

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	NO ICE IN COOLER
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	23.0C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Attachment E

Landfill Cap Inspection Checklists
September and December 2007

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

Personnel:	Chip McLeod - Greenstar Engineering, PC, Bloom's Landscaping
Date:	3rd Quarter Inspection (26 September 2007)
Weather:	Sunny, 70 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:**
   No ponded water noted. Differential settlement which has accelerated around Sediment Pond No. 1. Corrective actions commenced.

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

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

5. **Identification of deteriorating equipment (i.e., monitoring wells, fencing, or drainage structures):**
   Monitoring wells were not sanded, primed and painted concurrent with the October 2007 GCTS upgrades due to schedule constraints. This will occur in the Spring-Summer of 2008.

6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
   The swale in the southwest corner is heavily vegetated. Removal of this vegetation has been performed without long term success. The vegetation will be monitored to see if it adversely impacts stormwater flow. All other drainage swales and structures are in good shape. Some ponding of water occurs were the swale changes direction south of MW-7B, but nothing that warrants corrective action 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 almost impassible. Will mow and scarify the roads to try to limit the vegetation growth. This will be done in October 2007.

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

Personnel:	Chip McLeod - Greenstar Engineering, PC
Date:	4th Quarter Inspection (27 December 2007)
Weather:	Cold, windy, 25 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:**
   Treatment system upgrades completed. Excess soil from system upgrades was spread on cap and covered with topsoil. Will be touched up in the Spring and seeded.

3. **Identification of stressed vegetation:**
   None noted. Cap mowing completed during the October mowing event.

4. **Identification of seeps, rooted vegetation (trees), and/or animal burrows:**
   All rooted vegetation previously identified was removed during October 2007. The landfill cap and perimeter of the site was mowed.

5. **Identification of deteriorating equipment (i.e., monitoring wells, fencing, or drainage structures):**
   Monitoring wells should be sanded, primed and painted. This will be done in the Spring of 2008.

6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
   The swale in the southwest corner is heavily vegetated. Removal of this vegetation has been performed without long term success. The vegetation will be monitored to see if it adversely impacts stormwater flow. All other drainage swales and structures are in good shape. Some ponding of water occurs were the swale changes direction south of MW-7B, but nothing that warrants corrective action at this time. No other drainage issues were noted.

7. **Inspection of east side of the landfill (Niagara Mohawk Power Corporation parcel) along the intermittent stream for the presence of erosion or sloughing:**
   None noted. No Leachate was observed in the swale (Everything is frozen). No issues identified.

8. **Inspection of access roads:**
   Access road were mowed, and scarified to remove vegetation. Some spots were identified as having less gravel than required. The access road south of the treatment system was repaired. Damage had occurred during the GCTS upgrades.

Attachment F

Laboratory Analytical Results for GCTS Discharge Sampling August and December 2007

ANALYTICAL REPORT

Job#: A07-8911

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

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

STL Buffalo

Jason R. Kacalski
Project Manager

08/27/2007

STL Buffalo
Current Certifications

As of 5/16/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
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	NELAP SDWA, CWA, RCRA	NY455
New York	NELAP AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7891101	AP-EWE-01	WATER	08/09/2007	10:00	08/09/2007	11:45
A7891102	TRIP BLANK	WATER	08/09/2007		08/09/2007	11:45

METHODS SUMMARY

Job#: A07-8911

Project#: NY5A9582
Site Name: Airco - Niagara Falls

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

References:

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

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

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

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

SDG NARRATIVE

Job#: A07-8911

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

A07-8911
Sample Cooler(s) were received at the following temperature(s); 22.4 °C
Sample was received at a temperature of 22.4°C. However, as the samples were collected the same day, it was not possible for the samples to cool to 4°C prior to receipt. There is no impact on the data.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The LFB recoveries for Selenium and Thallium in Method 200.8 were above quality control limits. However, since target analytes were non-detect in the sample and the high recoveries would yield a high bias, no further corrective action was necessary.

Wet Chemistry Data

The value obtained for Nitrate on sample AP-EWE-01 is inconsistent with historical trends. Reanalysis was performed and the value was confirmed.

****

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.

Date: 08/27/2007 Requested Detection Limits < Lab PQL Page: 1
Time: 13:15:19 Rept: AN1520

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

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

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.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	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: A7891101
Date Collected: 08/09/2007
Time Collected: 10:00

Date Received: 08/09/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	08/11/2007 02:32	CDC
Trichloroethene	ND		5.0	UG/L	624	08/11/2007 02:32	CDC
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	08/14/2007 18:48	TWS
Chromium - Total	ND		100	UG/L	200.7	08/14/2007 18:48	TWS
Copper - Total	ND		14.7	UG/L	200.7	08/14/2007 18:48	TWS
Iron - Total	ND		300	UG/L	200.7	08/14/2007 18:48	TWS
Nickel - Total	ND		70.0	UG/L	200.7	08/14/2007 18:48	TWS
Selenium - Total	ND		4.6	UG/L	200.8	08/14/2007 18:09	AK
Thallium - Total	ND		4.0	UG/L	200.8	08/14/2007 18:09	AK
Zinc - Total	ND		115	UG/L	200.7	08/14/2007 18:48	TWS
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	08/10/2007 11:00	ERK
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	08/09/2007 16:00	RLG
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	08/09/2007 18:20	TL
Dissolved Oxygen	6.1		7.0	MG/L	360.1	08/09/2007 13:50	DRP
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	08/09/2007 13:20	DRP
Nitrite	ND		0.050	MG/L-N	353.2	08/09/2007 14:24	LRM
Nitrogen, Nitrate	3.4		0.050	MG/L-N	353.2	08/09/2007 12:54	LRM
pH	7.67		0.100	S.U.	9040	08/09/2007 17:48	RM
Total Dissolved Solids	649		4.0	MG/L	160.1	08/10/2007 17:30	TL
Total Kjeldahl Nitrogen	1.9		1.0	MG/L-N	351.2	08/12/2007 09:26	RLG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	08/16/2007 08:48	ERK
Total Suspended Solids	ND		10	MG/L	160.2	08/10/2007 20:00	TL

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

Sample ID: TRIP BLANK
Lab Sample ID: A7891102
Date Collected: 08/09/2007
Time Collected: :

Date Received: 08/09/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	08/11/2007 02:58	CDC
Trichloroethene	ND		5.0	UG/L	624	08/11/2007 02:58	CDC

Batch Quality Control Data

Lab Sample ID: A7888604 A7888604MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
TVGA-ASP00 9066-TOTAL RECOVERABLE PHEN	MG/KG	0	0	14.33	0 *	60-143

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

Lab Sample ID: A7889302 A7889302MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
ASPOO METHOD 353.2 - NITRATE UNPRESERV	MG/L-N	0	0.988	1.00	99	77-123
TVGA - ASPOO 351.3/TOTAL KJELDAHL NITR	MG/L-N	0.538	1.62	1.00	108	72-127
TVGA - METHOD 410.4 - CHEMICAL OXYGEN	MG/L	0	35.60	50.00	71 *	75-125

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

MS/MSD Batch QC Results

Lab Sample ID: A7889701 A7889701MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 410.4 - CHEMICAL OXYGEN DEMAND	MG/L	50.80	106.9	50.00	112	75-125

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

Lab Sample ID: A7889903 A7889903MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
ASPOO METHOD 353.2 - NITRATE UNPRESERV	MG/L-N	0	1.04	1.00	104	77-123
TVGA - METHOD 410.4 - CHEMICAL OXYGEN	MG/L	20.50	54.30	50.00	68 *	75-125

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

Lab Sample ID: A7890508 A7890508MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS						
ALLIED - METHOD 353.2 - NITRATE - W	MG/L-N	0.635	1.73	1.00	110	77-123

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

Lab Sample ID: A7890605 A7890605MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS ALLIED - METHOD 353.2 - NITRATE - W	MG/L-N	0.220	1.31	1.00	109	77-123

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

Lab Sample ID: A7890804 A7890804MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS 350.1 - AMMONIA 0.02 MG/L (FILTERED)	MG/L-N	0.471	0.661	0.200	95	54-150

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

Lab Sample ID: A7891101 A7891101MS

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
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	3.30	210.4	198.0	105	22-178

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

Lab Sample ID: A7891305 A7891305MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 353.2 - NITRATE	MG/L-N	0.230	1.29	1.00	106	77-123

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

Lab Sample ID: A7892710 A7892710MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS 351.2 - DISSOLVED, TOTAL KJELDAHL NITR	MG/L-N	0.0998	0.982	1.00	88	72-127

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

Lab Sample ID: A7893302 A7893302MS

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	0.178	0.200	89	54-150

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

Lab Sample ID: A7893603 A7893603MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
TVGA - ASPOO 350.1/AMMONIA	MG/L-N	0.112	0.298	0.200	93	54-150

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

Lab Sample ID: A7894101 A7894101MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS						
TVGA - ASPOO 405.1 - BIOCHEMICAL OXYGE	MG/L	0	187.2	198.0	94	22-178

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

Lab Sample ID: A7899801 A7899801MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
TVGA - ASPOO 420.2/TOTAL RECOVERABLE P	MG/L	0	0.0753	0.100	75	60-143

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

Chronology and QC Summary Package

Client ID		VBLK01							
Job No	Lab ID	A07-8911	A7B1261702						
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	%	98	87-110	NA		NA		NA	
p-Bromofluorobenzene	%	90	78-122	NA		NA		NA	
1,2-Dichloroethane-D4	%	102	88-132	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Lab ID Sample Date		Method Blank A07-8911 A7B1260202							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Iron - Total	UG/L	ND	300	NA		NA		NA	
Barium - Total	UG/L	ND	2000	NA		NA		NA	
Copper - Total	UG/L	ND	14.7	NA		NA		NA	
Zinc - Total	UG/L	ND	115	NA		NA		NA	
Chromium - Total	UG/L	ND	100	NA		NA		NA	
Nickel - Total	UG/L	ND	70.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A07-8911	A7B1260302						
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		MBLK		MBLK		MBLK		MBLK	
Job No / Lab ID		A07-8911	A7B1248302	A07-8911	A7B1255102	A07-8911	A7B1256002	A07-8911	A7B1256202
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 Recoverable Phenolics	UG/L	NA		ND	8.0	NA		NA	
Total Kjeldahl Nitrogen	MG/L-N	NA		NA		ND	1.0	NA	
Total Dissolved Solids	MG/L	NA		NA		NA		ND	4.0

Client ID		MBLK		MBLK		Method Blank		Method Blank	
Job No / Lab ID		A07-8911	A7B1257202	A07-8911	A7B1279102	A07-8911	A7B1244702	A07-8911	A7B1245202
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	
Total Recoverable Phenolics	UG/L	NA		ND	8.0	NA		NA	
Nitrite	MG/L-N	NA		NA		ND	0.050	NA	
Hexavalent Chromium - Total	UG/L	NA		NA		NA		ND	11.0
Nitrogen, Nitrate	MG/L-N	NA		NA		ND	0.050	NA	

Client ID		Method Blank		Method Blank		Method Blank			
Job No / Lab ID		A07-8911	A7B1246702	A07-8911	A7B1251602	A07-8911	A7B1253802		
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Biochemical Oxygen Demand	MG/L	ND	5.0	NA		NA		NA	
Ammonia	MG/L-N	NA		ND	9.2	NA		NA	
Total Suspended Solids	MG/L	NA		NA		ND	10	NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK01 MSB01
Lab Sample ID: A7B1261702 A7B1261701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 624 - PRIORITY POLLUTANT VOLATILE					
1,1-Dichloroethane	UG/L	20.8	20.0	104	73-128
Trichloroethene	UG/L	20.3	20.0	102	67-134

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

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B1260202 A7B1260201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 DISCHARGE METALS					
TOTAL BARIUM	UG/L	196.0	200.0	98	85-115
TOTAL CHROMIUM	UG/L	199.8	200.0	100	85-115
TOTAL COPPER	UG/L	204.6	200.0	102	85-115
TOTAL IRON	UG/L	10209	10000	102	85-115
TOTAL NICKEL	UG/L	202.3	200.0	101	85-115
TOTAL ZINC	UG/L	200.7	200.0	100	85-115

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

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B1260302 A7B1260301

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	24.88	20.00	124 *	85-115
TOTAL THALLIUM	UG/L	25.38	20.00	127 *	85-115

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

Client Sample ID: AP-EWE-01 AP-EWE-01
Lab Sample ID: A7891101 A7891101MS

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
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	3.30	210.4	198.0	105	22-178

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

Client Sample ID: MBLK
Lab Sample ID: A7B1248302

LCS
A7B1248301

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 410.4 - CHEMICAL OXYGEN DEMAND	MG/L	24.50	25.00	98	90-110

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

Client Sample ID: MBLK
Lab Sample ID: A7B1255102

LCS
A7B1255101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	226.0	281.0	80	75-125

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

Client Sample ID: MBLK
Lab Sample ID: A7B1257202

LCS
A7B1257201

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	2.39	2.50	96	90-110

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

Client Sample ID: MBLK LCS
Lab Sample ID: A7B1279102 A7B1279101

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	280.9	281.0	100	75-125

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1244702 A7B1244701

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	0.972	1.00	97	90-110
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.64	2.50	106	90-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1245202 A7B1245201

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: A7B1246702 A7B1246701

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	200.0	198.0	101	85-115

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

Client Sample ID: Method Blank
Lab Sample ID: A7B1251602

LCS
A7B1251601

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	0.805	0.750	107	90-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1253802 A7B1253801

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	898.0	885.0	101	88-110

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

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID	AP-EWE-01				
Job No & Lab Sample ID	A07-8911 A7891101				
Sample Date	08/09/2007 10:00				
Received Date	08/09/2007 11:45				
Extraction Date					
Analysis Date	08/11/2007 02:32				
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 A07-8911 A7891102				
Sample Date	08/09/2007				
Received Date	08/09/2007 11:45				
Extraction Date					
Analysis Date	08/11/2007 02:58				
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	VBLK01				
Job No & Lab Sample ID	A07-8911 A7B1261702				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	08/10/2007 21:50				
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
A7891101	AP-EWE-01	RECNY	Barium - Total	200.7	1.0	0.05	L	08/09/07 10:00	08/09 11:45	NA		08/14 18:48	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	08/09/07 10:00	08/09 11:45	NA		08/14 18:48	TWS	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	08/09/07 10:00	08/09 11:45	NA		08/14 18:48	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	08/09/07 10:00	08/09 11:45	NA		08/14 18:48	TWS	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	08/09/07 10:00	08/09 11:45	NA		08/14 18:48	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	08/09/07 10:00	08/09 11:45	NA		08/14 18:48	TWS	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05	L	08/09/07 10:00	08/09 11:45	NA		08/14 18:09	AK	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	08/09/07 10:00	08/09 11:45	NA		08/14 18:09	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)
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
A7B1260202	Method Blank	RECNY	Barium - Total	200.7	1.0	0.05	L	-	-	NA		08/14 18:38	TWS	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	-	-	NA		08/14 18:38	TWS	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	-	-	NA		08/14 18:38	TWS	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	-	-	NA		08/14 18:38	TWS	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	-	-	NA		08/14 18:38	TWS	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	-	-	NA		08/14 18:38	TWS	Y	WATER
A7B1260302	Method Blank	RECNY	Selenium - Total	200.8	1.0	0.05	L	-	-	NA		08/14 18:02	AK	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	-	-	NA		08/14 18:02	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
A7891101	AP-EWE-01	RECNY	pH	9040	1.0		08/09/07 10:00	08/09 11:45	NA		08/09 17:48	RM	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	1.0		08/09/07 10:00	08/09 11:45	NA		08/12 09:26	RLG	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0		08/09/07 10:00	08/09 11:45	NA		08/09 12:54	LRM	Y	WATER
		RECNY	Nitrite	353.2	1.0		08/09/07 10:00	08/09 11:45	NA		08/09 14:24	LRM	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0		08/09/07 10:00	08/09 11:45	NA		08/09 16:00	RLG	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0		08/09/07 10:00	08/09 11:45	NA		08/10 17:30	TL	Y	WATER
		RECNY	Ammonia	350.1	1.0		08/09/07 10:00	08/09 11:45	NA		08/10 11:00	ERK	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0		08/09/07 10:00	08/09 11:45	NA		08/09 18:20	TL	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0		08/09/07 10:00	08/09 11:45	NA		08/10 20:00	TL	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		08/09/07 10:00	08/09 11:45	NA		08/16 08:48	ERK	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0		08/09/07 10:00	08/09 11:45	NA		08/09 13:50	DRP	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1 L	08/09/07 10:00	08/09 11:45	NA		08/09 13:20	DRP	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
A7B1248302	MBLK	RECNY	Chemical Oxygen Demand	410.4	1.0		-	-	NA		08/09 18:20	TL	Y	WATER
A7B1255102	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		08/10 21:05	RLG	Y	WATER
A7B1256002	MBLK	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		08/11 09:24	RLG	Y	WATER
A7B1256202	MBLK	RECNY	Total Dissolved Solids	160.1	1.0		-	-	NA		08/10 17:30	TL	Y	WATER
A7B1257202	MBLK	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		08/12 09:05	RLG	Y	WATER
A7B1279102	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		08/16 08:48	ERK	Y	WATER
A7B1244702	Method Blank	RECNY	Nitrogen, Nitrate	353.2	1.0		-	-	NA		08/09 09:31	LRM	Y	WATER
		RECNY	Nitrite	353.2	1.0		-	-	NA		08/09 09:31	LRM	Y	WATER
A7B1245202	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1 L	-	-	NA		08/09 13:20	DRP	Y	WATER
A7B1246702	Method Blank	RECNY	Biochemical Oxygen Demand	405.1	1.0		-	-	NA		08/09 16:00	RLG	Y	WATER
A7B1251602	Method Blank	RECNY	Ammonia	350.1	1.0		-	-	NA		08/10 11:00	ERK	Y	WATER
A7B1253802	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		08/10 20:00	TL	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

ANALYTICAL REPORT

Job#: A07-E111

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

Charles E. McLeod, Jr.
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TestAmerica Laboratories Inc.

Jason R. Kacalski
Project Manager

12/18/2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
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*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, 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 this report.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7E11101	AP-EWE-01	WATER	12/06/2007	14:00	12/06/2007	16:05
A7E11102	AP-SS-01	WATER	12/06/2007	13:30	12/06/2007	16:05
A7E11103	TRIP BLANK	WATER	12/06/2007		12/06/2007	16:05

METHODS SUMMARY

Job#: A07-E111

Project#: NY5A9582
Site Name: Airco - Niagara Falls

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

References:

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

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

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

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

SDG NARRATIVE

Job#: A07-E111

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

A07-E111
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 value obtained for Nitrate on sample AP-SS-01 is inconsistent with historical trends. Reanalysis was performed and the value was confirmed.

****

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.

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

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

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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.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	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: A7E11101
Date Collected: 12/06/2007
Time Collected: 14:00

Date Received: 12/06/2007
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	12/08/2007 07:47	CDC
Trichloroethene	ND		5.0	UG/L	624	12/08/2007 07:47	CDC
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	12/10/2007 14:09	AH
Chromium - Total	ND		100	UG/L	200.7	12/10/2007 14:09	AH
Copper - Total	ND		14.7	UG/L	200.7	12/10/2007 14:09	AH
Iron - Total	1370		300	UG/L	200.7	12/10/2007 14:09	AH
Nickel - Total	ND		70.0	UG/L	200.7	12/10/2007 14:09	AH
Selenium - Total	ND		4.6	UG/L	200.8	12/10/2007 13:51	SW
Thallium - Total	ND		4.0	UG/L	200.8	12/10/2007 13:51	SW
Zinc - Total	ND		115	UG/L	200.7	12/10/2007 14:09	AH
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	12/07/2007 11:36	ERK
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	12/06/2007 19:00	RLG
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	12/07/2007 11:15	JM
Dissolved Oxygen	ND		7.0	MG/L	360.1	12/07/2007 00:00	RLG
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	12/06/2007 21:30	DRP
Nitrite	ND		0.050	MG/L-N	353.2	12/06/2007 16:54	DRP
Nitrogen, Nitrate	ND		0.050	MG/L-N	353.2	12/06/2007 16:54	DRP
pH	7.33		0.100	S.U.	9040	12/06/2007 21:19	DRP
Total Dissolved Solids	763		4.0	MG/L	160.1	12/08/2007 13:00	WM
Total Kjeldahl Nitrogen	4.0		1.0	MG/L-N	351.2	12/11/2007 17:48	ERK
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	12/08/2007 15:49	RLG
Total Suspended Solids	ND		10	MG/L	160.2	12/11/2007 12:05	JM

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

Sample ID: AP-SS-01
Lab Sample ID: A7E11102
Date Collected: 12/06/2007
Time Collected: 13:30

Date Received: 12/06/2007
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	12/08/2007 08:11	CDC
Trichloroethene	ND		5.0	UG/L	624	12/08/2007 08:11	CDC
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	12/10/2007 14:14	AH
Chromium - Total	ND		100	UG/L	200.7	12/10/2007 14:14	AH
Copper - Total	ND		14.7	UG/L	200.7	12/10/2007 14:14	AH
Iron - Total	ND		300	UG/L	200.7	12/10/2007 14:14	AH
Nickel - Total	ND		70.0	UG/L	200.7	12/10/2007 14:14	AH
Selenium - Total	ND		4.6	UG/L	200.8	12/10/2007 13:55	SW
Thallium - Total	ND		4.0	UG/L	200.8	12/10/2007 13:55	SW
Zinc - Total	ND		115	UG/L	200.7	12/10/2007 14:14	AH
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	12/07/2007 11:36	ERK
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	12/06/2007 19:00	RLG
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	12/07/2007 11:15	JM
Dissolved Oxygen	9.4		7.0	MG/L	360.1	12/07/2007 00:00	RLG
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	12/06/2007 21:30	DRP
Nitrite	ND		0.050	MG/L-N	353.2	12/06/2007 16:54	DRP
Nitrogen, Nitrate	1.3		0.050	MG/L-N	353.2	12/06/2007 16:54	DRP
pH	8.14		0.100	S.U.	9040	12/06/2007 21:19	DRP
Total Dissolved Solids	454		4.0	MG/L	160.1	12/08/2007 13:00	WM
Total Kjeldahl Nitrogen	ND		1.0	MG/L-N	351.2	12/11/2007 17:48	ERK
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	12/08/2007 15:50	RLG
Total Suspended Solids	ND		10	MG/L	160.2	12/10/2007 13:45	JM

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

Sample ID: TRIP BLANK
Lab Sample ID: A7E11103
Date Collected: 12/06/2007
Time Collected: :

Date Received: 12/06/2007
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	12/08/2007 08:35	CDC
Trichloroethene	ND		5.0	UG/L	624	12/08/2007 08:35	CDC

Batch Quality Control Data

Lab Sample ID: A7D98301 A7D98301MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS						
351.2 - TOTAL KJELDAHL NITROGEN - 0.2	MG/L-N	0.439	1.25	1.00	82	72-127

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

Lab Sample ID: A7D98403 A7D98403MS

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	39.26	43.63	2.00	218 *	72-127

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

Lab Sample ID: A7E09507 A7E09507MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
9066 - TOTAL RECOVERABLE PHENOLICS - R	MG/L	0	0.0906	0.100	91	60-143

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

Lab Sample ID: A7E14404 A7E14404MS A7E14404SD

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 DELTA - ASP00 420.2/TOTAL RECOVERABLE	MG/L	0	0.0969	0.0806	0.100	0.100	97	81	89	18	20.0	60-143

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

Chronology and QC Summary Package

Client ID		VBLK15							
Job No	Lab ID	A07-E111	A7B1964802						
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	%	99	87-110	NA		NA		NA	
p-Bromofluorobenzene	%	98	78-122	NA		NA		NA	
1,2-Dichloroethane-D4	%	100	88-132	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A07-E111	A7B1952802						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Chromium - Total	UG/L	ND	100	NA		NA		NA	
Iron - Total	UG/L	ND	300	NA		NA		NA	
Barium - Total	UG/L	ND	2000	NA		NA		NA	
Copper - Total	UG/L	ND	14.7	NA		NA		NA	
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 Job No Lab ID Sample Date		Method Blank A07-E111 A7B1953002							
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		MBLK		MBLK		MBLK		MBLK	
Job No	Lab ID	A07-E111	A7B1950302	A07-E111	A7B1960402	A07-E111	A7B1960702	A07-E111	A7B1976102
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 Recoverable Phenolics	UG/L	NA		ND	8.0	NA		NA	
Total Dissolved Solids	MG/L	NA		NA		ND	4.0	NA	
Total Kjeldahl Nitrogen	MG/L-N	NA		NA		NA		ND	1.0

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No	Lab ID	A07-E111	A7B1944502	A07-E111	A7B1945602	A07-E111	A7B1946302	A07-E111	A7B1951302
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	
Hexavalent Chromium - Total	UG/L	NA		ND	11.0	NA		NA	
Biochemical Oxygen Demand	MG/L	NA		NA		ND	5.0	NA	
Ammonia	MG/L-N	NA		NA		NA		ND	9.2
Nitrogen, Nitrate	MG/L-N	ND	0.050	NA		NA		NA	

Client ID		Method Blank		Method Blank					
Job No	Lab ID	A07-E111	A7B1961902	A07-E111	A7B1970902				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Suspended Solids	MG/L	ND	10	ND	10	NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK15 MSB15
Lab Sample ID: A7B1964802 A7B1964801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 624 - PRIORITY POLLUTANT VOLATILE					
1,1-Dichloroethane	UG/L	22.2	20.0	111	73-128
Trichloroethene	UG/L	19.7	20.0	99	67-134

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

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B1952802 A7B1952801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 DISCHARGE METALS					
TOTAL BARIUM	UG/L	201.4	200.0	101	85-115
TOTAL CHROMIUM	UG/L	207.2	200.0	103	85-115
TOTAL COPPER	UG/L	208.4	200.0	104	85-115
TOTAL IRON	UG/L	10478	10000	105	85-115
TOTAL NICKEL	UG/L	207.0	200.0	103	85-115
TOTAL ZINC	UG/L	207.0	200.0	104	85-115

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

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B1953002 A7B1953001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
200.8 DISCHARGE METALS					
200.8 TOTAL SELENIUM	UG/L	20.76	20.00	104	85-115
TOTAL THALLIUM	UG/L	21.84	20.00	109	85-115

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

Client Sample ID: MBLK LCS
Lab Sample ID: A7B1950302 A7B1950301

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 410.4 - CHEMICAL OXYGEN DEMAND	MG/L	23.50	25.00	94	90-110

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

Client Sample ID: MBLK LCS
Lab Sample ID: A7B1960402 A7B1960401

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	259.1	281.0	92	75-125

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

Client Sample ID: MBLK
Lab Sample ID: A7B1976102

LCS
A7B1976101

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1944502 A7B1944501

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	0.942	1.00	94	90-110
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.57	2.50	103	90-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1945602 A7B1945601

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0.0540	0.0500	108	85-115

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1946302 A7B1946301

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	220.3	198.0	111	85-115

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

Client Sample ID: Method Blank
Lab Sample ID: A7B1951302

LCS
A7B1951301

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	0.787	0.750	105	90-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1961902 A7B1961901

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	486.0	517.0	94	88-110

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B1970902 A7B1970901

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	722.0	760.0	95	88-110

* 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-01 A07-E111 A7E11101	AP-SS-01 A07-E111 A7E11102			
Sample Date	12/06/2007 14:00	12/06/2007 13:30			
Received Date	12/06/2007 16:05	12/06/2007 16:05			
Extraction Date					
Analysis Date	12/08/2007 07:47	12/08/2007 08:11			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

NA = Not Applicable

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A07-E111 A7E11103				
Sample Date	12/06/2007				
Received Date	12/06/2007 16:05				
Extraction Date					
Analysis Date	12/08/2007 08:35				
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	VBLK15				
Job No & Lab Sample ID	A07-E111 A7B1964802				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	12/07/2007 20:55				
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
A7E11101	AP-EWE-01	RECNY	Barium - Total	200.7	1.0	0.05	L	12/06/07 14:00	12/06 16:05	NA		12/10 14:09	AH	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	12/06/07 14:00	12/06 16:05	NA		12/10 14:09	AH	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	12/06/07 14:00	12/06 16:05	NA		12/10 14:09	AH	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	12/06/07 14:00	12/06 16:05	NA		12/10 14:09	AH	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	12/06/07 14:00	12/06 16:05	NA		12/10 14:09	AH	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	12/06/07 14:00	12/06 16:05	NA		12/10 14:09	AH	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05	L	12/06/07 14:00	12/06 16:05	NA		12/10 13:51	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	12/06/07 14:00	12/06 16:05	NA		12/10 13:51	SW	Y	WATER
A7E11102	AP-SS-01	RECNY	Barium - Total	200.7	1.0	0.05	L	12/06/07 13:30	12/06 16:05	NA		12/10 14:14	AH	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	12/06/07 13:30	12/06 16:05	NA		12/10 14:14	AH	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	12/06/07 13:30	12/06 16:05	NA		12/10 14:14	AH	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	12/06/07 13:30	12/06 16:05	NA		12/10 14:14	AH	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	12/06/07 13:30	12/06 16:05	NA		12/10 14:14	AH	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	12/06/07 13:30	12/06 16:05	NA		12/10 14:14	AH	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05	L	12/06/07 13:30	12/06 16:05	NA		12/10 13:55	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	12/06/07 13:30	12/06 16:05	NA		12/10 13:55	SW	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
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
A7B1952802	Method Blank	RECNY	Barium - Total	200.7	1.0	0.05 L	-	-	NA		12/10 12:47	AH	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		12/10 12:47	AH	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05 L	-	-	NA		12/10 12:47	AH	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		12/10 12:47	AH	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05 L	-	-	NA		12/10 12:47	AH	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		12/10 12:47	AH	Y	WATER
A7B1953002	Method Blank	RECNY	Selenium - Total	200.8	1.0	0.05 L	-	-	NA		12/10 13:19	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05 L	-	-	NA		12/10 13:19	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
A7E11101	AP-EWE-01	RECNY	pH	9040	1.0			12/06/07 14:00	12/06 16:05	NA		12/06 21:19	DRP	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	1.0			12/06/07 14:00	12/06 16:05	NA		12/11 17:48	ERK	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0			12/06/07 14:00	12/06 16:05	NA		12/06 16:54	DRP	Y	WATER
		RECNY	Nitrite	353.2	1.0			12/06/07 14:00	12/06 16:05	NA		12/06 16:54	DRP	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0			12/06/07 14:00	12/06 16:05	NA		12/06 19:00	RLG	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0			12/06/07 14:00	12/06 16:05	NA		12/08 13:00	WM	Y	WATER
		RECNY	Ammonia	350.1	1.0			12/06/07 14:00	12/06 16:05	NA		12/07 11:36	ERK	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0			12/06/07 14:00	12/06 16:05	NA		12/07 11:15	JM	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0			12/06/07 14:00	12/06 16:05	NA		12/11 12:05	JM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			12/06/07 14:00	12/06 16:05	NA		12/08 15:49	RLG	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0			12/06/07 14:00	12/06 16:05	NA		12/07	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	12/06/07 14:00	12/06 16:05	NA		12/06 21:30	DRP	Y	WATER
A7E11102	AP-SS-01	RECNY	pH	9040	1.0			12/06/07 13:30	12/06 16:05	NA		12/06 21:19	DRP	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	1.0			12/06/07 13:30	12/06 16:05	NA		12/11 17:48	ERK	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0			12/06/07 13:30	12/06 16:05	NA		12/06 16:54	DRP	Y	WATER
		RECNY	Nitrite	353.2	1.0			12/06/07 13:30	12/06 16:05	NA		12/06 16:54	DRP	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0			12/06/07 13:30	12/06 16:05	NA		12/06 19:00	RLG	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0			12/06/07 13:30	12/06 16:05	NA		12/08 13:00	WM	Y	WATER
		RECNY	Ammonia	350.1	1.0			12/06/07 13:30	12/06 16:05	NA		12/07 11:36	ERK	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0			12/06/07 13:30	12/06 16:05	NA		12/07 11:15	JM	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0			12/06/07 13:30	12/06 16:05	NA		12/10 13:45	JM	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			12/06/07 13:30	12/06 16:05	NA		12/08 15:50	RLG	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0			12/06/07 13:30	12/06 16:05	NA		12/07	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	12/06/07 13:30	12/06 16:05	NA		12/06 21:30	DRP	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
A7B1950302	MBLK	RECNY	Chemical Oxygen Demand	410.4	1.0		-	-	NA		12/07 11:15	JM	Y	WATER
A7B1960402	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		12/08 15:23	RLG	Y	WATER
A7B1960702	MBLK	RECNY	Total Dissolved Solids	160.1	1.0		-	-	NA		12/08 13:00	WM	Y	WATER
A7B1976102	MBLK	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		12/11 17:33	ERK	Y	WATER
A7B1944502	Method Blank	RECNY	Nitrogen, Nitrate	353.2	1.0		-	-	NA		12/06 16:54	DRP	Y	WATER
		RECNY	Nitrite	353.2	1.0		-	-	NA		12/06 16:54	DRP	Y	WATER
A7B1945602	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1 L	-	-	NA		12/06 21:30	DRP	Y	WATER
A7B1946302	Method Blank	RECNY	Biochemical Oxygen Demand	405.1	1.0		-	-	NA		12/06 19:00	RLG	Y	WATER
A7B1951302	Method Blank	RECNY	Ammonia	350.1	1.0		-	-	NA		12/07 11:36	ERK	Y	WATER
A7B1961902	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		12/10 13:45	JM	Y	WATER
A7B1970902	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		12/11 12:05	JM	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

Attachment G

Monthly Operation and Maintenance Details
July – December 2007

1. INTRODUCTION

This report presents a summary of the ongoing operation and maintenance activities for the Airco Parcel site from 1 July to 31 December 2007. 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 2007 Monitoring Event Letter Report provides a summary of the quarterly effluent analytical data from the August and December 2007 sampling events. 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, 712,369 gal of groundwater were treated and discharged to the stormwater swale adjacent to the engineered wetlands. The system averaged 2.69 gpm, during the report period, with no influence observed due to heavy rain events. The treatment system was operational for 100 percent of the report period. The emergency overflow pond, T8, was required in: July during the pond cleaning; in August following the electrical storm damage; and during the period 24 September through 26 November 2007 for the GCTS upgrades.

The completed System Monitoring Checklists are provided in Attachment G.1. Monthly GCTS flow calculations are provided in Attachment G.2. Drawings depicting the new treatment system site plan and Process and Instrumentation Diagram (P&ID) will be provided in the revised post-closure monitoring and facility maintenance plan which wil be issued in February 2008. During the report period, an estimated 0.57 lb of total chromium of which an estimated 0.53 lb was hexavalent chromium, was removed by the system. These values are based on the total gallons treated, the average influent and effluent concentrations observed from the bi-weekly field sampling.

3.1 SYNOPSIS OF THE BI-ANNUAL ACTIVITIES

July 2007

The system was operational for all 31 days in July. However for the first 2 days of the report period, the system utilized the emergency overflow pond to maintain operational status. The GCTS sediment ponds were cleaned and brought back on-line on 2 July 2007. The following details the activities which were performed to during July.

- 2 July 2007 – Sediment pond cleaning was completed and the GCTS was restarted.
- 12 July 2007 – Drained remaining water from Frac tanks used during line and pond cleaning in June. Installed above grade line from T3B to ZVI tanks due to blocked line that could not be cleaned.

August 2007

The system was operational for all 31 days in August. However, a lighting strike caused a surge in electrical power which caused the Programmable Logical Controller (PLC) to fail. The system was manually operated until replacement parts could be ordered and subcontractors procured. The system was off line for 4 days during which time the emergency overflow pond was utilized to maintain collection of leachate from the southwest corner. The following details the activities which were performed to during February.

- 4 August 2007 – Severe electrical storm occurred. System was apparently struck by lightning with considerable damage caused. The PLC analog input card, CO_2 solenoid valve, and P5 motor starter, thermal overload, and P5 pump were all damaged beyond repair.

- 8 August 2007 – Mobilized and replaced the analog input card, the solenoid valve, the motor starter, thermal overload and pump. No uncontrolled discharge occurred from 8/3/07 to 8/8/07 as the system was operated manually and stored in the T8 emergency pond.

- 9 August 2007 – Collected the GCTS discharge sample.

- 28 August 2007 – Cleaned and calibrated the pH probe in T3A.

September - November 2007

The system was operational for all 91 days during September through November. No alarm conditions were reported, and no unscheduled shut downs occurred. The system was taken off line the week of 24 September 2007 for 10 weeks to allow for system upgrades. During that time, the emergency overflow pond, and Frac tanks were used to bypass the sediment ponds and allow the treatment system to continue to operate. The following details the activities which were performed to during this period.

- 24 September 2007 – Mobilize to the site and install bypass treatment system components. System taken off line. Water within the system is pumped to Frac tanks for storage and reuse once the system is brought back on line.

- 5 November 2007 – System upgrades completed. Installation included 27 new concrete process tanks, 2 new pH meters, chemical feed system for metering polymers to coagulate, flocculate and settle dissolved calcium, magnesium and manganese from the influent, and iron from the effluent. New process tanks were filled with water stored in Frac tanks. The 12 northern process tanks utilized for pH reduction and hardness removal failed the hydrostatic tests. The tanks were emptied, cleaned, and additional effort to seal the identified areas of leakage completed.

- 26 November 2007 – The system was refilled, the tanks determined to be hydrostatically acceptable, and the system restarted.

December 2007

The system was operational for 31 days in December. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed to during December.

- On 6 December 2007 – Routine site visit. No issues. Took samples at the SW corner for total and hexavalent chromium. Field testing indicated levels of total and hexavalent chromium above the discharge guidance values in the effluent in the surface water exiting the site. Laboratory results were non detect for both constituents.

- On 27 December 2007 – Routine site visit. No issues. Took samples at the SW corner for total and hexavalent chromium. Field testing indicated levels of total and hexavalent chromium above the discharge guidance values in the effluent in the surface water exiting the site. Laboratory results were non detect for both constituents.

4. MODIFICATIONS/IMPROVEMENTS AND RECOMMENDATIONS

4.1 SYSTEM MODIFICATION/IMPROVEMENTS

During the monitoring period of July – December 2007, Greenstar performed the following modifications and improvements to the GCTS:

- Replacement of settling ponds with a series of process tanks. A total of 27 process tanks were installed to accomplish the upgrades. Installation of the new chemical feed shed which houses various process components including the new chemical feed pumps and storage tanks to promote precipitate formation and settling. Upgrades to the SCADA system and web pages.

5. PROJECTED OPERATION AND MAINTENACE

5.1 JANUARY – JULY 2008

During the first bi-annual report period of 2008, Greenstar anticipates only performing routine operation and maintenance activities.

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 are anticipated to be collected in March, June, August and October 2008 from the GCTS to meet the New York State Department of Environmental Conservation discharge permit requirements. The first bi-annual groundwater monitoring event for 2008 is anticipated to occur in April 2008.

Attachment G.1

Airco Parcel Bi-Weekly System Monitoring Checklists July – December 2007

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

Date: 7/12/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 80 Degrees		

READING	*ITEM*
222	Carbon Dioxide Storage Tank Pressure (220-235 psi)
7,320	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
616.0	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
611.4	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.5	T6A Water Elevation
615.9	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
615.2	T7 Water Level Reading
7,094,833	Flow Meter Reading
8 GPM	Average System Flow
NR	Generator Run Hours

READING	*Standard*	*LOCATION/PARAMETER*
0.132	0.011 mg/L	Calcium Settling Pond Effluent (T3) Hexavalent Chromium
0.137	0.050 mg/L	Calcium Settling Pond Effluent (T3) Total Chromium
<0.003U	0.011 mg/L	Iron Settling Pond Effluent (T6) Hexavalent Chromium
<0.006U	0.050 mg/L	Iron Settling Pond Effluent (T6) Total Chromium
<0.003U	0.011 mg/L	Engineered Wetland Effluent (T7) Hexavalent Chromium
<0.006U	0.050 mg/L	Engineered Wetland Effluent (T7) Total Chromium
NS	0.011 mg/L	Southwest Corner Effluent (SS-1) Hexavalent Chromium
NS	0.050 mg/L	Southwest Corner Effluent (SS-1) Total Chromium

pH READING	*SAMPLE LOCATION*
6.5	Calcium Settling Pond Effluent (T3)
6.7	Iron Settling Pond Effluent (T6)
7.2	Engineered Wetland Effluent (T7)
8.0	Southwest Corner Effluent (SS-1)

Notes: Drained remaining water from Frac tanks into T8. Installed above ground line from T3B to ZVI tanks due to blocked line.

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

Date: 7/24/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Cloudy, 70 Degrees		

READING	*ITEM*
222.5	Carbon Dioxide Storage Tank Pressure (220-235 psi)
6,850	Carbon Dioxide Tank Liquid Level
2.8	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.5	T3 pH Reading
616.5	T3A Water Elevation
616.0	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
611.5	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.4	T6A Water Elevation
611.1	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
615.9	T7 Water Level Reading
7,273,530	Flow Meter Reading
10 GPM	Average System Flow
NR	Generator Run Hours

READING	*Standard*	*LOCATION/PARAMETER*
0.111	0.011 mg/L	Calcium Settling Pond Effluent (T3) Hexavalent Chromium
0.123	0.050 mg/L	Calcium Settling Pond Effluent (T3) Total Chromium
<0.003U	0.011 mg/L	Iron Settling Pond Effluent (T6) Hexavalent Chromium
<0.006U	0.050 mg/L	Iron Settling Pond Effluent (T6) Total Chromium
<0.003U	0.011 mg/L	Engineered Wetland Effluent (T7) Hexavalent Chromium
<0.006U	0.050 mg/L	Engineered Wetland Effluent (T7) Total Chromium
0.005	0.011 mg/L	Southwest Corner Effluent (SS-1) Hexavalent Chromium
0.013	0.050 mg/L	Southwest Corner Effluent (SS-1) Total Chromium

pH READING	*SAMPLE LOCATION*
6.5	Calcium Settling Pond Effluent (T3)
6.6	Iron Settling Pond Effluent (T6)
7.3	Engineered Wetland Effluent (T7)
7.8	Southwest Corner Effluent (SS-1)

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

Date: 8/9/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Cloudy, 80 Degrees		

READING	*ITEM*
222.5	Carbon Dioxide Storage Tank Pressure (220-235 psi)
4,142	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
616.1	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
609.8	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.5	T6A Water Elevation
616.1	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
615.8	T7 Water Level Reading
7,399,407	Flow Meter Reading
5 GPM	Average System Flow
NR	Generator Run Hours

READING	*Standard*	*LOCATION/PARAMETER*
0.090	0.011 mg/L	Calcium Settling Pond Effluent (T3) Hexavalent Chromium
0.094	0.050 mg/L	Calcium Settling Pond Effluent (T3) Total Chromium
<0.003U	0.011 mg/L	Iron Settling Pond Effluent (T6) Hexavalent Chromium
<0.006U	0.050 mg/L	Iron Settling Pond Effluent (T6) Total Chromium
<0.003U	0.011 mg/L	Engineered Wetland Effluent (T7) Hexavalent Chromium
<0.006U	0.050 mg/L	Engineered Wetland Effluent (T7) Total Chromium
NS	0.011 mg/L	Southwest Corner Effluent (SS-1) Hexavalent Chromium
NS	0.050 mg/L	Southwest Corner Effluent (SS-1) Total Chromium

pH READING	*SAMPLE LOCATION*
6.8	Calcium Settling Pond Effluent (T3)
6.9	Iron Settling Pond Effluent (T6)
7.4	Engineered Wetland Effluent (T7)
7.9	Southwest Corner Effluent (SS-1)

Notes: System Struck by lightning on 8/3/07 with considerable damage. The PLC analog input card CO2 solenoid valve, and P5 motor starter, thermal overload and P5 pump were all damaged beyond repair. Mobilized on 8/8/07 and replaced the analog input card, the valve, and the motor starter, thermal overload and pump. No uncontrolled discharge occurred from 8/3/07 to 8/8/07 as the system was operated manually, pumped and stored in the T8 emergency pond. Collected the GCTS discharge sampling on 8/9/07.

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

Date: 8/28/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 75 Degrees		

READING	*ITEM*
222.5	Carbon Dioxide Storage Tank Pressure (220-235 psi)
7,805	Carbon Dioxide Tank Liquid Level
2.6	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.1	T3 pH Reading
616.5	T3A Water Elevation
616.0	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
613.4	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.4	T6A Water Elevation
616.2	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
616.1	T7 Water Level Reading
7,501,884	Flow Meter Reading
4 GPM	Average System Flow
1.8	Generator Run Hours

READING	*Standard*	*LOCATION/PARAMETER*
0.027	0.011 mg/L	Calcium Settling Pond Effluent (T3) Hexavalent Chromium
NS	0.050 mg/L	Calcium Settling Pond Effluent (T3) Total Chromium
<0.003U	0.011 mg/L	Iron Settling Pond Effluent (T6) Hexavalent Chromium
NS	0.050 mg/L	Iron Settling Pond Effluent (T6) Total Chromium
<.0.003U	0.011 mg/L	Engineered Wetland Effluent (T7) Hexavalent Chromium
NS	0.050 mg/L	Engineered Wetland Effluent (T7) Total Chromium
NS	0.011 mg/L	Southwest Corner Effluent (SS-1) Hexavalent Chromium
NS	0.050 mg/L	Southwest Corner Effluent (SS-1) Total Chromium

pH READING	*SAMPLE LOCATION*
6.1	Calcium Settling Pond Effluent (T3)
6.1	Iron Settling Pond Effluent (T6)
6.8	Engineered Wetland Effluent (T7)
NS	Southwest Corner Effluent (SS-1)

Notes: Cleaned and calibrated the pH probe.

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

Date: 9/18/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 70 Degrees		

READING	*ITEM*
222.5	Carbon Dioxide Storage Tank Pressure (220-235 psi)
11,862	Carbon Dioxide Tank Liquid Level
2.0	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.1	T3 pH Reading
616.6	T3A Water Elevation
616.2	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
610.2	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.5	T6A Water Elevation
616.3	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
616.8	T7 Water Level Reading
7,537,613	Flow Meter Reading
1.2 GPM	Average System Flow
NR	Generator Run Hours

READING	*Standard*	*LOCATION/PARAMETER*
<0.011U	0.011 mg/L	Calcium Settling Pond Effluent (T3) Hexavalent Chromium
<0.040U	0.050 mg/L	Calcium Settling Pond Effluent (T3) Total Chromium
<0.011U	0.011 mg/L	Iron Settling Pond Effluent (T6) Hexavalent Chromium
0.046	0.050 mg/L	Iron Settling Pond Effluent (T6) Total Chromium
<0.011U	0.011 mg/L	Engineered Wetland Effluent (T7) Hexavalent Chromium
<0.040U	0.050 mg/L	Engineered Wetland Effluent (T7) Total Chromium
No water	0.011 mg/L	Southwest Corner Effluent (SS-1) Hexavalent Chromium
No water	0.050 mg/L	Southwest Corner Effluent (SS-1) Total Chromium

pH READING	*SAMPLE LOCATION*
NS	Calcium Settling Pond Effluent (T3)
NS	Iron Settling Pond Effluent (T6)
NS	Engineered Wetland Effluent (T7)
No Water to sample	Southwest Corner Effluent (SS-1)

Notes: Samples collected from T3A, T6B and T7 were analyzed by Test America in Buffalo, NY.

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

Date: 12/6/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
222.5	Carbon Dioxide Storage Tank Pressure (220-235 psi)
5,297	Carbon Dioxide Tank Liquid Level
2.7	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.3	T3 pH Reading
615.9	T3A Water Elevation
612.9	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
611.4	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.7	T6A Water Elevation
614.0	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
615.9	T7 Water Level Reading
7,598,560	Flow Meter Reading
4 GPM	Average System Flow
4.4	Generator Run Hours

READING	*Standard*	*LOCATION/PARAMETER*
0.072 mg/L	0.011 mg/L	Calcium Settling Pond Effluent (T3) Hexavalent Chromium
0.078 mg/L	0.050 mg/L	Calcium Settling Pond Effluent (T3) Total Chromium
<0.003U mg/L	0.011 mg/L	Iron Settling Pond Effluent (T6) Hexavalent Chromium
0.016 mg/L	0.050 mg/L	Iron Settling Pond Effluent (T6) Total Chromium
<0.011U	0.011 mg/L	Engineered Wetland Effluent (T7) Hexavalent Chromium
<0.100U	0.050 mg/L	Engineered Wetland Effluent (T7) Total Chromium
<0.011U	0.011 mg/L	Southwest Corner Effluent (SS-1) Hexavalent Chromium
<0.100U	0.050 mg/L	Southwest Corner Effluent (SS-1) Total Chromium

pH READING	*SAMPLE LOCATION*
6.3	Calcium Settling Pond Effluent (T3)
6.4	Iron Settling Pond Effluent (T6)
6.3	Engineered Wetland Effluent (T7)
7.4	Southwest Corner Effluent (SS-1)

Notes: Samples collected from T7 and SS-01 collected as part of the quarterly sampling event and analyzed by Test America in Buffalo, NY.

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

Date:	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather:		

READING	*ITEM*
	Carbon Dioxide Storage Tank Pressure (220-235 psi)
	Carbon Dioxide Tank Liquid Level
	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
	T3 pH Reading
	T3A Water Elevation
	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
	T6A Water Elevation
	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
	T7 Water Level Reading
	Flow Meter Reading
	Average System Flow
	Generator Run Hours

READING	*Standard*	*LOCATION/PARAMETER*
0.023	0.011 mg/L	Calcium Settling Pond Effluent (T3) Hexavalent Chromium
0.030	0.050 mg/L	Calcium Settling Pond Effluent (T3) Total Chromium
<0.003U	0.011 mg/L	Iron Settling Pond Effluent (T6) Hexavalent Chromium
<0.006U	0.050 mg/L	Iron Settling Pond Effluent (T6) Total Chromium
0.002	0.011 mg/L	Engineered Wetland Effluent (T7) Hexavalent Chromium
0.008	0.050 mg/L	Engineered Wetland Effluent (T7) Total Chromium
<0.011U	0.011 mg/L	Southwest Corner Effluent (SS-1) Hexavalent Chromium
<0.100U	0.050 mg/L	Southwest Corner Effluent (SS-1) Total Chromium

pH READING	*SAMPLE LOCATION*
6.2	Calcium Settling Pond Effluent (T3)
6.8	Iron Settling Pond Effluent (T6)
6.7	Engineered Wetland Effluent (T7)
8.2	Southwest Corner Effluent (SS-1)

Notes: Sample collected from SS-01 due to field equipment interference. Sample was analyzed by Test America in Buffalo, NY and confirmed no Chromium or Hexavalent Chromium in the discharge sample.

Attachment G.2

Airco Parcel GCTS
Monthly Flow Calculations
July – January 2007

Monthly Airco Parcel GCTS
Flow Calculations
July 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
7/1/2007	0	0	0	6,973,133	24	0
7/2/2007	47	1	2,545	6,975,678	24	0
7/3/2007	47	4	6,285	6,981,963	24	0
7/4/2007	47	4	6,029	6,987,992	24	0
7/5/2007	47	2	4,309	6,992,301	24	0
7/6/2007	47	2	4,141	6,996,442	24	0
7/7/2007	47	2	3,371	6,999,813	24	0
7/8/2007	47	21	30,345	7,030,158	24	0
7/9/2007	48	22	32,002	7,062,160	24	0
7/10/2007	47	9	13,446	7,075,606	24	0
7/11/2007	47	10	14,590	7,090,196	24	0
7/12/2007	48	12	18,471	7,108,667	24	0
7/13/2007	48	17	25,299	7,133,966	24	0
7/14/2007	48	17	25,487	7,159,453	24	0
7/15/2007	48	11	17,137	7,176,590	24	0
7/16/2007	48	8	11,922	7,188,512	24	0
7/17/2007	48	7	10,882	7,199,394	24	0
7/18/2007	48	7	10,752	7,210,146	24	0
7/19/2007	53	9	14,324	7,224,470	24	0
7/20/2007	48	8	11,770	7,236,240	24	0
7/21/2007	48	7	10,324	7,246,564	24	0
7/22/2007	48	7	10,374	7,256,938	24	0
7/23/2007	48	7	10,604	7,267,542	24	0
7/24/2007	48	7	10,497	7,278,039	24	0
7/25/2007	48	7	10,735	7,288,774	24	0
7/26/2007	48	6	9,831	7,298,605	24	0
7/27/2007	48	7	10,804	7,309,409	24	0
7/28/2007	48	6	9,227	7,318,636	24	0
7/29/2007	48	6	10,039	7,328,675	24	0
7/30/2007	48	6	9,279	7,337,954	24	0
7/31/2007	48	6	9,254	7,347,208	24	0
Sample Measurement	**53**	**7.90**	**374,075**	**7,347,208**	**31**	**100%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage

Monthly Airco Parcel GCTS
Flow Calculations
August 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
8/1/2007	47	6	8,688	7,355,896	24	0
8/2/2007	47	6	9,005	7,364,901	24	0
8/3/2007	47	4	7,139	7,372,040	24	0
8/4/2007	46	0	511	7,372,551	24	0
8/5/2007	0	0	0	7,372,551	24	0
8/6/2007	0	0	0	7,372,551	24	0
8/7/2007	1	0	0	7,372,551	24	0
8/8/2007	47	10	15,578	7,388,129	23	51
8/9/2007	46	12	18,183	7,406,312	24	0
8/10/2007	46	4	7,006	7,413,318	24	0
8/11/2007	46	5	7,346	7,420,664	24	0
8/12/2007	46	5	7,368	7,428,032	24	0
8/13/2007	43	2	3,243	7,431,275	24	0
8/14/2007	46	4	5,898	7,437,173	24	0
8/15/2007	45	4	5,990	7,443,163	24	0
8/16/2007	45	4	5,769	7,448,932	24	0
8/17/2007	45	3	5,072	7,454,004	24	0
8/18/2007	45	3	4,338	7,458,342	24	0
8/19/2007	45	3	5,108	7,463,450	24	0
8/20/2007	45	2	4,307	7,467,757	24	0
8/21/2007	45	2	4,058	7,471,815	24	0
8/22/2007	45	3	4,795	7,476,610	24	0
8/23/2007	45	3	4,776	7,481,386	24	0
8/24/2007	45	3	4,322	7,485,708	24	0
8/25/2007	45	2	3,533	7,489,241	24	0
8/26/2007	45	2	3,661	7,492,902	24	0
8/27/2007	45	2	3,864	7,496,766	24	0
8/28/2007	45	4	6,142	7,502,908	24	0
8/29/2007	45	2	3,576	7,506,484	24	0
8/30/2007	45	0	1,114	7,507,598	24	0
8/31/2007	45	1	2,424	7,510,022	24	0
Sample Measurement	**47**	**3.17**	**162,814**	**7,510,022**	**31**	**100%**
	Daily Maximum (gpm)	Monitoring Period Average (gpm)	Monitoring Period Total (Gal)	Cumulative Total (Gal)	Runtime (Days)	Operational Percentage

Monthly Airco Parcel GCTS
Flow Calculations
September 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
9/1/2007	45	1.40	2,022	7,512,044	24	0
9/2/2007	46	1.53	2,206	7,514,250	24	0
9/3/2007	46	0.70	1,014	7,515,264	24	0
9/4/2007	0	0.00	0	7,515,264	24	0
9/5/2007	45	0.77	1,109	7,516,373	24	0
9/6/2007	45	0.94	1,347	7,517,720	24	0
9/7/2007	0	0.00	0	7,517,720	24	0
9/8/2007	46	0.85	1,220	7,518,940	24	0
9/9/2007	46	6.87	9,886	7,528,826	24	0
9/10/2007	47	1.11	1,598	7,530,424	24	0
9/11/2007	49	2.51	3,620	7,534,044	24	0
9/12/2007	47	0.74	1,066	7,535,110	24	0
9/13/2007	47	0.73	1,049	7,536,159	24	0
9/14/2007	1	0.00	0	7,536,159	24	0
9/15/2007	0	0.00	0	7,536,159	24	0
9/16/2007	46	1.01	1,454	7,537,613	24	0
9/17/2007	0	0.00	0	7,537,613	24	0
9/18/2007	0	0.00	0	7,537,613	24	0
9/19/2007	0	0.00	0	7,537,613	24	0
9/20/2007	0	0.00	0	7,537,613	24	0
9/21/2007	47	0.80	1,153	7,538,766	24	0
9/22/2007	0	0.00	0	7,538,766	24	0
9/23/2007	0	0.00	0	7,538,766	24	0
9/24/2007	47	2.30	3,318	7,542,084	24	0
9/25/2007	1	0.00	0	7,542,084	24	0
9/26/2007	0	0.00	0	7,542,084	24	0
9/27/2007	0	0.00	0	7,542,084	24	0
9/28/2007	0	0.00	0	7,542,084	24	0
9/29/2007	0	0.00	0	7,542,084	24	0
9/30/2007	0	0.00	0	7,542,084	24	0
Sample Measurement	**49**	**0.72**	**32,062**	**7,542,084**	**30**	**100%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage

Monthly Airco Parcel GCTS
Flow Calculations
October 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
10/1/2007	0	0	0	7,542,084	24	0
10/2/2007	0	0	0	7,542,084	24	0
10/3/2007	0	0	0	7,542,084	24	0
10/4/2007	0	0	0	7,542,084	24	0
10/5/2007	0	0	0	7,542,084	24	0
10/6/2007	0	0	0	7,542,084	24	0
10/7/2007	0	0	0	7,542,084	24	0
10/8/2007	0	0	0	7,542,084	24	0
10/9/2007	0	0	0	7,542,084	24	0
10/10/2007	0	0	0	7,542,084	24	0
10/11/2007	0	0	0	7,542,084	24	0
10/12/2007	0	0	0	7,542,084	24	0
10/13/2007	0	0	0	7,542,084	24	0
10/14/2007	0	0	0	7,542,084	24	0
10/15/2007	0	0	0	7,542,084	24	0
10/16/2007	0	0	0	7,542,084	24	0
10/17/2007	0	0	0	7,542,084	24	0
10/18/2007	0	0	0	7,542,084	24	0
10/19/2007	0	0	0	7,542,084	24	0
10/20/2007	0	0	0	7,542,084	24	0
10/21/2007	0	0	0	7,542,084	24	0
10/22/2007	0	0	0	7,542,084	24	0
10/23/2007	0	0	0	7,542,084	24	0
10/24/2007	0	0	0	7,542,084	24	0
10/25/2007	0	0	0	7,542,084	24	0
10/26/2007	0	0	0	7,542,084	24	0
10/27/2007	0	0	0	7,542,084	24	0
10/28/2007	0	0	0	7,542,084	24	0
10/29/2007	0	0	0	7,542,084	24	0
10/30/2007	0	0	0	7,542,084	24	0
10/31/2007	0	0	0	7,542,084	24	0
Sample Measurement	**49**	**0**	**0**	**7,542,084**	**31**	**100%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage

Note: On 4/23/07 to 4/25/07 the T1 pump station was periodically turned off to allow the installation of cleanouts into the 3-in. HDPE discharge line. The system was operational in "Hand" made to prevent the uncontrolled release of impacted water.

Monthly Airco Parcel GCTS
Flow Calculations
November 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
11/1/2007	0	0	0	7,542,084	24	0
11/2/2007	0	0	0	7,542,084	24	0
11/3/2007	0	0	0	7,542,084	24	0
11/4/2007	0	0	0	7,542,084	24	0
11/5/2007	0	0	0	7,542,084	24	0
11/6/2007	0	0	0	7,542,084	24	0
11/7/2007	0	0	0	7,542,084	24	0
11/8/2007	0	0	0	7,542,084	24	0
11/9/2007	0	0	0	7,542,084	24	0
11/10/2007	52	2.01	2,893	7,544,977	24	0
11/11/2007	52	0.52	743	7,545,720	24	0
11/12/2007	0	0	0	7,545,720	24	0
11/13/2007	0	0	0	7,545,720	24	0
11/14/2007	0	0	0	7,545,720	24	0
11/15/2007	0	0	0	7,545,720	24	0
11/16/2007	0	0	0	7,545,720	24	0
11/17/2007	0	0	0	7,545,720	24	0
11/18/2007	0	0	0	7,545,720	24	0
11/19/2007	0	0	0	7,545,720	24	0
11/20/2007	0	0	0	7,545,720	24	0
11/21/2007	0	0	0	7,545,720	24	0
11/22/2007	0	0	0	7,545,720	24	0
11/23/2007	0	0	0	7,545,720	24	0
11/24/2007	0	0	0	7,545,720	24	0
11/25/2007	0	0	0	7,545,720	24	0
11/26/2007	53	5.15	7,420	7,553,140	24	0
11/27/2007	52	9.18	13,220	7,566,360	24	0
11/28/2007	51	2.00	2,879	7,569,239	24	0
11/29/2007	52	2.80	4,033	7,573,272	24	0
11/30/2007	52	2.31	3,327	7,576,599	24	0
Sample Measurement	**52**	**0.83**	**34,515**	**7,576,599**	**30**	**100%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage

Monthly Airco Parcel GCTS
Flow Calculations
December 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
12/1/2007	52	1.94	2,791	7,579,390	24	0
12/2/2007	52	3.38	4,868	7,584,258	24	0
12/3/2007	52	4.63	6,672	7,590,930	24	0
12/4/2007	52	2.03	2,923	7,593,853	24	0
12/5/2007	52	2.09	3,015	7,596,868	24	0
12/6/2007	52	1.89	2,715	7,599,583	24	0
12/7/2007	52	2.02	2,913	7,602,496	24	0
12/8/2007	52	2.26	3,260	7,605,756	24	0
12/9/2007	52	1.92	2,771	7,608,527	24	0
12/10/2007	52	2.09	3,009	7,611,536	24	0
12/11/2007	52	3.03	4,359	7,615,895	24	0
12/12/2007	52	3.41	4,909	7,620,804	24	0
12/13/2007	52	1.91	2,751	7,623,555	24	0
12/14/2007	52	1.83	2,635	7,626,190	24	0
12/15/2007	52	1.42	2,039	7,628,229	24	0
12/16/2007	52	2.35	3,387	7,631,616	24	0
12/17/2007	52	2.08	2,992	7,634,608	24	0
12/18/2007	52	1.98	2,856	7,637,464	24	0
12/19/2007	52	2.20	3,163	7,640,627	24	0
12/20/2007	52	1.69	2,439	7,643,066	24	0
12/21/2007	52	2.16	3,107	7,646,173	24	0
12/22/2007	52	2.90	4,171	7,650,344	24	0
12/23/2007	52	7.51	10,810	7,661,154	24	0
12/24/2007	52	2.06	2,961	7,664,115	24	0
12/25/2007	52	1.87	2,686	7,666,801	24	0
12/26/2007	52	1.97	2,843	7,669,644	24	0
12/27/2007	52	2.48	3,565	7,673,209	24	0
12/28/2007	52	1.77	2,545	7,675,754	24	0
12/29/2007	52	2.62	3,776	7,679,530	24	0
12/30/2007	52	2.00	2,878	7,682,408	24	0
12/31/2007	52	2.00	3,094	7,685,502	24	0
Sample Measurement	**52**	**2.45**	**108,903**	**7,685,502**	**31**	**100%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage