ENVIRONMENTAL
CHEMICAL
CORPORATION

April 20, 2005

Mr. Shewen Bian
US Army Corps of Engineers, Metro East Residency
Fort Hamilton Military Community
408 Pershing Loop
Brooklyn, NY 11252

RE: **Transmittal of February 2005 Monthly O&M Activity Reports**
Stanton Cleaners Area Groundwater Contamination Site, Great Neck, New York
USACE LTRA Contract DACW41-03-D-0004, T.O. 001

Dear Mr. Bian:

Environmental Chemical Corporation (ECC) is transmitting in this letter one hardcopy of the February 2005 Monthly O&M Activity Reports for the Stanton Cleaners LTRA site. This Report includes groundwater analytical (Till February 2005). To date, all effluent data has been below the discharge criteria with detectable concentrations of PCE in the effluent well below the discharge limits. Validated results will be included along with 1st quarter quality summary report (to be sent in April 2005)

Please review the attached report, and let us know if you have any comments, or require additional information.

If you have any questions, please contact me at (973) 338-7011, ext. 121.

Sincerely,
Environmental Chemical Corporation

David Miller
Project Manager

cc: Mr. Damian Duda, US EPA Region II – 2 copies, and softcopy via e-mail
Mr. Gerard Burke, NYSDEC – 1 softcopy via electronic mail and 1 hardcopy via mail courier:
Division of Env. Remediation
625 Broadway - 11th Floor
Albany, New York 12233-7015
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795 Broad St., Suite 200
Bloomfield, NJ
07003
TEL: (973) 338-7011
FAX: (973) 338-7950

Monthly Operations and Monitoring Report
February 2005

Site:
Stanton Cleaners Area Groundwater Contamination Site
Great Neck, New York

Prepared for:
Environmental Chemical Corporation
1293 Broad Street, Suite 200
Bloomfield, New Jersey 07003

Prepared by:
Earth Tech, Inc.
7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228

March 1, 2005

ET Project No. 70536.02.01.02

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March 1, 2005

ET Project No. 70536.02.01.01

Author: *John Huisman*

Title: *Environmental Scientist*

Date: March 1, 2005

Reviewer: _____

Title: _____

Date: _____

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1.0 INTRODUCTION

This Monthly Operations and Monitoring Report, February 2005 (Monthly Report) has been prepared by Earth Tech, Inc., as a subcontractor to Environmental Chemical Corporation (ECC), under Contract No.5442-001-001.

The Stanton Cleaners Area Groundwater Contamination (Stanton) site is located at 110 Cutter Mill Road in Great Neck, Nassau County, New York. The Stanton Cleaner Property (SCP) is approximately ¼ acre in size and includes a two-story building in which a dry-cleaning business operates and an adjacent one-story boiler/storage building as well as a two-story treatment building. The site is bordered by an indoor tennis facility, a synagogue and school facility.

Improper handling and disposal of spent dry cleaning solvents, including Tetrachloroethylene (PCE), resulted in the release of hazardous substances at the site. PCE migrated from the site's subsurface soils into the indoor air environments of the surrounding buildings and into groundwater beneath the site, resulting in a significant threat to human health.

In 1983, approximately 20 cubic yards of PCE-contaminated soil was removed from behind the Stanton Cleaners property.

In 1989, a groundwater extraction and treatment system was installed by the original Site operator to address groundwater contamination which resulted from improper disposal of spent PCE behind the SCP building. This system is not currently operational.

In 1998, the New York State Department of Environmental Conservation (NYSDEC) funded the construction of a new air stripper treatment system for the WAGNN water supply wells, which are impacted by contamination from the Site. This treatment system is currently in operation. In October 1998, as an immediate response action, the EPA installed a temporary soil vapor interceptor system, adjacent to the tennis club, to mitigate impacts from PCE vapors to the indoor air of this facility.

In 2001, the EPA completed the construction and installation of a soil vapor extraction (SVE) system and a ground water treatment (GWT) system on the SCP. Both the SVE and GWT systems are housed in the treatment building that was constructed on the SCP. The SVE was installed to remediate the VOC-contaminated soils, thus reducing the indoor air contamination in the adjacent affected buildings to safe levels. The GWT system was installed to remediate the VOC-contaminated groundwater and to remove the threat of vapors through the Site soils. Both systems are currently operating at the Site. The collected VOC-contaminated vapors and groundwater from both systems are treated through separate granular activated carbon (GAC) systems.

The site is presently under the jurisdiction of the Remedial Branch of the USEPA, Region II; USACE provides oversight to USEPA for the remedial action and the long-term remedial action programs. ECC provides oversight to the USACE to perform long-term remediation actions. Earth Tech, as a subcontractor to ECC, provides support on the following tasks as described in the Work Plan:

- Operation and maintenance (O&M) of the GWTS and SVE, including sampling and reporting;
- Sampling of monitoring wells associated with the site in order to track the migration of the contaminant plume, along with reporting.

- Sampling of indoor air quality of buildings adjacent to the site in order to identify all the adjacent buildings being impacted by site related contaminants and the effectiveness of the remedial actions being instituted at the site.

All work under this contract is performed in accordance with the following documents:

- Work Plan for Long-Term Remedial Action Support;
- Site-Specific Health and Safety Plan (HASP), dated July 23, 2001 and
- Sampling Quality Assurance Project Plan (SQAPP) dated August 22, 2000.

As required by the Scope of Work for this project, monthly summary reports are prepared to document and summarize the activities taking place. These reports provide a concise description of work performed during the reporting period and include pertinent deliverables as appendices. This monthly summary report covers the period between February 1 and February 28, 2005.

2.0 SUMMARY OF ACTIVITIES DURING FEBRUARY 2005

The following list summarizes activities performed and milestone dates under this contract during the reporting period, February 2005:

- February 3 – Weekly O&M Inspection.
- February 3 – Collect Monthly System Samples.
- February 7 through 11 – Quarterly Groundwater Sampling Event.
- February 8 – Weekly O&M Inspection.
- February 9 – Bi-weekly system air monitoring.
- February 15 – Weekly O&M Inspection.
- February 21 – Drill new groundwater extraction well.
- February 22 – Complete Installation of new groundwater extraction well.
- February 23 – Change-out HVAC carbon filters at the Long Island Hebrew Academy.
- February 23 – Bi-weekly system air monitoring.
- February 23 – Weekly O&M Inspection.

Details of system shutdowns and alarms during the month of February 2005 are discussed in section 3.1. Daily Quality Control Reports (DQCRs), which include projected work for the following two weeks are completed for each day of site activities. Copies of these reports are included as Appendix A.

3.0 GROUNDWATER TREATMENT SYSTEM ACTIVITIES

3.1 Operation and Maintenance

The GWTS treated and discharged 2,157,544.1 gallons during the month of February 2005. The system was operational (recovery well pumps running) for approximately 672 of the 672 hours during the month, for an average operating flow of 53.5 gallons per minute (gpm). The system has treated a total of 88,449,885.3 gallons since the plant startup in November 2001. There were no system shutdowns during the month of February 2005.

There are currently two recovery wells pumping water into the system. (EPA-EXT-02 and MW-24) Both wells are located in the triangle, the corner of New Cuttermill Road and Mirrielees Road. The two wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells. The decision to have two wells pumping from the triangle into the system was made by the USEPA. A third well EPA-EXT-04 was put online November 4, 2004. However, due to issues with sediment entering the well this extraction well was taken off-line November 9, 2004. A replacement extraction well was installed on February 22, 2005 adjacent to abandoned extraction well EXT-04. The SVE portion of EPA-EXT-04 remains operational. The new extraction well is scheduled to be piped into the treatment system by the end of April 2005.

The facility is equipped with a remote monitoring and control system that was accessed a minimum of three times per week, by the lead engineer, during the reporting period to ensure proper system operation and notify response personnel if a problem or abnormal condition was observed. The system also provides remote notification of alarm conditions via automatic e-mail and text messaging.

The Treatment System Operation and Maintenance Checklist were completed during each O&M inspection event and the checklists for February 3, 8, 15, and 23, 2005 are provided in Appendix B. When the system is operational, any abnormal conditions or parameters outside of the normal operating range are addressed by the lead operator and/or monitoring/environmental technician on site (Jim Simmonds or John Huisman). If they require guidance or notes any serious conditions, the inspector notifies the task manager (Tom Williams). The checklists are completed on site and sent to the task manager for review and scheduling of additional work if needed. Abnormal conditions and/or parameters outside the operating range are addressed, including repairs, cleaning, and continued monitoring.

System operational and alarm conditions are automatically stored by the PLC. This data is downloaded every two weeks. The February 2005 operational data is included in Appendix C. While operational, the system data are within the normal ranges and are consistent with visual observations, with any exceptions as described above.

The effluent flow data table in Appendix C shows daily discharge flows from each day of system operation and cumulative treated water discharge for each day during the reporting period, as well as a summary of total monthly flow and average daily flow since the system was started up in October 2001.

3.2 Sampling and Analysis

3.2.1 Raw and Treated Groundwater

In accordance with the SQAPP, GWTS sampling is conducted on a monthly basis to monitor plant efficiency, to determine whether liquid carbon breakthrough has occurred, and to verify that contract-specific discharge parameters (in accordance with National Pollutant Discharge Elimination System (NPDES) permit equivalency) are met. The combined GWTS influent, along with the GWTS effluent (discharge), will be sampled by the 15th of each month. Collected samples will be shipped to a designated EPA, CLP lab for analysis of TCL volatile organic compounds.

Earth Tech personnel conducted the GWTS influent and effluent sampling for this report period on February 3, 2005. The samples were shipped to the USEP Region II DESA Laboratory, located in Edison, NJ for analysis of low concentration TCL volatile organic compounds. A copy of the full sampling trip report containing the chain of custody forms and FedEx airbill is included in Appendix D. Laboratory analytical results for the GWTS sampling event during this reporting period will be forwarded to ECC under separate cover from the laboratory.

Measurements of influent and effluent pH and turbidity, along with effluent conductivity, are automatically monitored and recorded by the GWTS PLC on a daily basis; this information is included with the downloaded data in Appendix C.

The next GWTS influent / effluent sampling event is scheduled for March 10, 2005.

3.2.2 Process Air Stream Monitoring

Air monitoring of the SVE and Pump and Treat System is performed on a bi-weekly basis. It includes monitoring for VOCs, air velocity, temperature, humidity, dew point, vacuum pressure and other parameters, as specified in the O&M manual. Air monitoring is performed at the following locations within the system:

- Combined SVE - Influent (pre-treatment),
- Post groundwater Air-Stripper (pre-treatment),
- Post vapor phase carbon vessel 1 – Air Stripper air discharge (post-treatment).
- Post vapor phase carbon vessel 2 – SVE air discharge (post-treatment).

Bi-weekly air monitoring activities were conducted on February 9 and 23, 2005. The bi-weekly air monitoring logs are included in Appendix F. Estimated PCE removal rates for the SVE system are presented in Table 1. A Graph showing the estimated PCE removal rate trend over time is presented in Figure 2. The next bi-weekly air-monitoring event is scheduled for March 9, 2005.

4.0 Monitoring Well Sampling

Groundwater samples from select monitoring wells both on and off-site are collected on a quarterly basis and shipped to a designated EPA, CLP lab for analysis. Groundwater sampling activities are performed in accordance with the USEPA Groundwater Sampling SOP #2007 and the USEPA Low-Stress Purging and Sampling SOP provided in the SQAPP. Each quarterly sampling event is coordinated with the local water authority to schedule the event when local water supply drawdown conditions do not impact the measurements. The location and number of monitoring wells as well as analytical parameters will be determined before each event by the USPEA, USACE, and ECC.

The first semi-annual groundwater sampling event of 2005 was conducted by Earth Tech personnel on February 7 through 11, 2005. A total of 25 groundwater monitoring wells were sampled for analysis of the presence of TCL volatiles only. A copy of the full sampling trip report containing the chain of custody forms and FedEx airbills is included in Appendix D.

Laboratory analytical results for this quarterly groundwater sampling event will be forwarded to ECC under separate cover from the laboratory. The next quarterly groundwater sampling event is scheduled for August 2005.

5.0 Plume Perimeter Monitoring

Groundwater level measurements are obtained from both on-site and offsite wells once a month in order to evaluate capture zone(s) around the groundwater extraction wells. The event is coordinated with the local water authority so the event can be scheduled when the local water supply drawdown conditions will have minimal impact to the measurements.

Water level measurements were collected from 29 monitoring wells on February 7, 2005 in conjunction with the quarterly groundwater sampling event. The location and number of monitoring wells was determined by the USEPA based on the site Capture Zone Analysis Plan. Groundwater level measurements for February 2005 and historical groundwater level measurements are provided in Appendix H.

6.0 Indoor Air Quality Sampling

Indoor air quality samples from select locations within the treatment building and buildings along the perimeter of the site are collected using summa canisters on a quarterly basis and shipped to a designated EPA, CLP lab for analysis. The location and number of indoor air quality samples to be collected as well as analytical parameters will be determined by the USEPA, USACE and ECC.

The last indoor air quality sampling event was conducted on January 18, 2005 by Earth Tech personnel. This sampling event was conducted to address air quality issues within the groundwater treatment building. Based on instructions by the EPA OSC no future indoor air quality sampling events are scheduled at this time.

7.0 FUTURE EVENTS PLANNED

The following scheduled events are planned (or have since occurred) during the next three reporting periods:

- Continue to perform GWTS inspection and maintenance as required;
- Continue to perform bi-weekly system air monitoring;
- Collect system influent and effluent samples as directed by USACE/ECC/USEPA;
- Obtain groundwater level measurements as directed by USACE/ECC/USEPA;
- Collect groundwater samples from monitoring wells as directed by USACE/ECC/USEPA;
- Collect indoor air quality samples as directed by USACE/ECC/USEPA;
- Develop new groundwater extraction well.
- Install pump into new groundwater extraction well.

8.0 PROBLEM AREAS AND RECOMMENDED SOLUTIONS (OUTSTANDING ISSUES)

An Action List of ongoing and completed items is provided in Appendix J to track work tasks that have been targeted as issues to be addressed.

Tables

TABLE 1
ESTIMATED PCE RECOVERY RATES
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
250 CFM SVE SYSTEM
September 2003 - February 2005

Date	# of Days	Flow Rate (cfm)	Flow Rate Avg (cfm)	VOC Concentration (ppm)	VOC Average (ppm)	VOC Discharge Rate (lbs/day)	VOC Total Discharge (lbs)
9/11/2003	1	225	225	4.2	4.20	0.6	0.6
9/25/2003	13	210	217.5	4.7	4.45	0.6	7.8
10/8/2003	13	213	211.5	5	4.85	0.6	8.2
10/23/2003	15	210	210	12.2	8.6	1.1	16.7
11/5/2003	13	215	212.5	6.8	9.5	1.2	16.2
11/22/2003	17	211	213	6	6.4	0.8	14.3
12/4/2003	12	205	208	5.9	5.95	0.8	9.2
12/17/2003	13	200	202.5	4	4.95	0.6	8.0
12/30/2003	13	210	205	4	4.95	0.6	8.1
1/15/2004	16	205	207.5	4.1	4.05	0.5	8.3
2/5/2004	SVE System Manually Shutdown Since 1/16/04						
2/12/2004	8	200	200	3.5	3.5	0.4	3.5
2/26/2004	14	205	202.5	5.3	4.4	0.6	7.7
3/10/2004	12	200	202.5	5	5.15	0.6	7.7
3/25/2004	15	199	199.5	5.1	5.05	0.6	9.3
4/13/2004	19	175	187	6.3	5.7	0.7	12.5
4/29/2004	16	170	172.5	6	6.15	0.7	10.5

Notes:

VOC readings taken before vapor phase carbon off-gas treatment.
Deep SVE Wells Closed on 12/10/03 Per OSC's Request

Formula provided by EPA in the "*Elements for Effective Management of Operating Pump and Treatment Systems*" publication.

$$M_{air} = Q_{air} \times C_{air} \times \frac{0.0283\ m3}{ft.3} \times \frac{1440\ min.}{day} \times \frac{2.2\ lbs.}{1000000\ mg}$$

$$C_{air\ (mg/m3)} = \frac{Conc\ (ppmv)}{1E+06} \times \frac{1\ mole\ air}{24.1\ L} \times \frac{1000\ L}{m3} \times \frac{1000\ mg}{g} \times MW_x$$

Notes:
Mair = mass loading, removal rate in air (lbs/day)
Qair = flow rate in air (cfm)
Cair = contaminant concentration (mg/m3)
MWx = molecular weight in grams/mole, for PCE is 166

Note: The conversion factor (1 mole air)/(24.1 L) varies with both temperature and pressure. At a pressure of 1 atmosphere and a temperature of 32 degrees Farenheit (0 degrees Celcius), the conversion is (1 mole air)/(22.4 L).

TABLE 1 (continued)
ESTIMATED PCE RECOVERY RATES
STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
250 CFM SVE SYSTEM
September 2003 - February 2005

Date	# of Days	Flow Rate (cfm)	Flow Rate Avg (cfm)	VOC Concentration (ppm)	VOC Average (ppm)	VOC Discharge Rate (lbs/day)	VOC Total Discharge (lbs)
5/13/2004	14	150	160	6	6	0.6	8.3
5/30/2004	17	147	148.5	5.9	5.95	0.5	9.3
6/10/2004	11	150	148.5	4.4	5.15	0.5	5.2
6/30/2004	20	145	147.5	5.6	5	0.5	9.1
7/8/2004	8	140	142.5	4.9	5.25	0.5	3.7
7/22/2004	14	139	139.5	4.8	4.85	0.4	5.8
8/9/2004	18	140	139.5	3.1	3.95	0.3	6.1
8/31/2004	1	135	137.5	3	3.05	0.3	0.3
9/8/2004	8	120	127.5	2.9	2.95	0.2	1.9
9/30/2004	22	121	120.5	3.1	3	0.2	4.9
10/4/2004	5	121	121	2.9	3	0.2	1.1
10/20/2004	15	120	120.5	2.8	2.85	0.2	3.2
11/1/2004	12	121	120.5	3	2.9	0.2	2.6
11/17/2004	16	125	123	4.1	3.55	0.3	4.3
11/29/2004	12	120	122.5	4.2	4.15	0.3	3.8
12/7/2004	8	121	120.5	4.2	4.2	0.3	2.5
12/16/2004	9	120	120.5	4.1	4.15	0.3	2.8
1/12/2005	27	120	120	4.5	4.3	0.3	8.6
1/17/2005	5	120	120	4.5	4.5	0.3	1.7
2/9/2005	23	120	120	3.9	4.2	0.3	7.2
2/23/2005	14	120	120	3.5	3.7	0.3	3.8
						Total	**244.8**

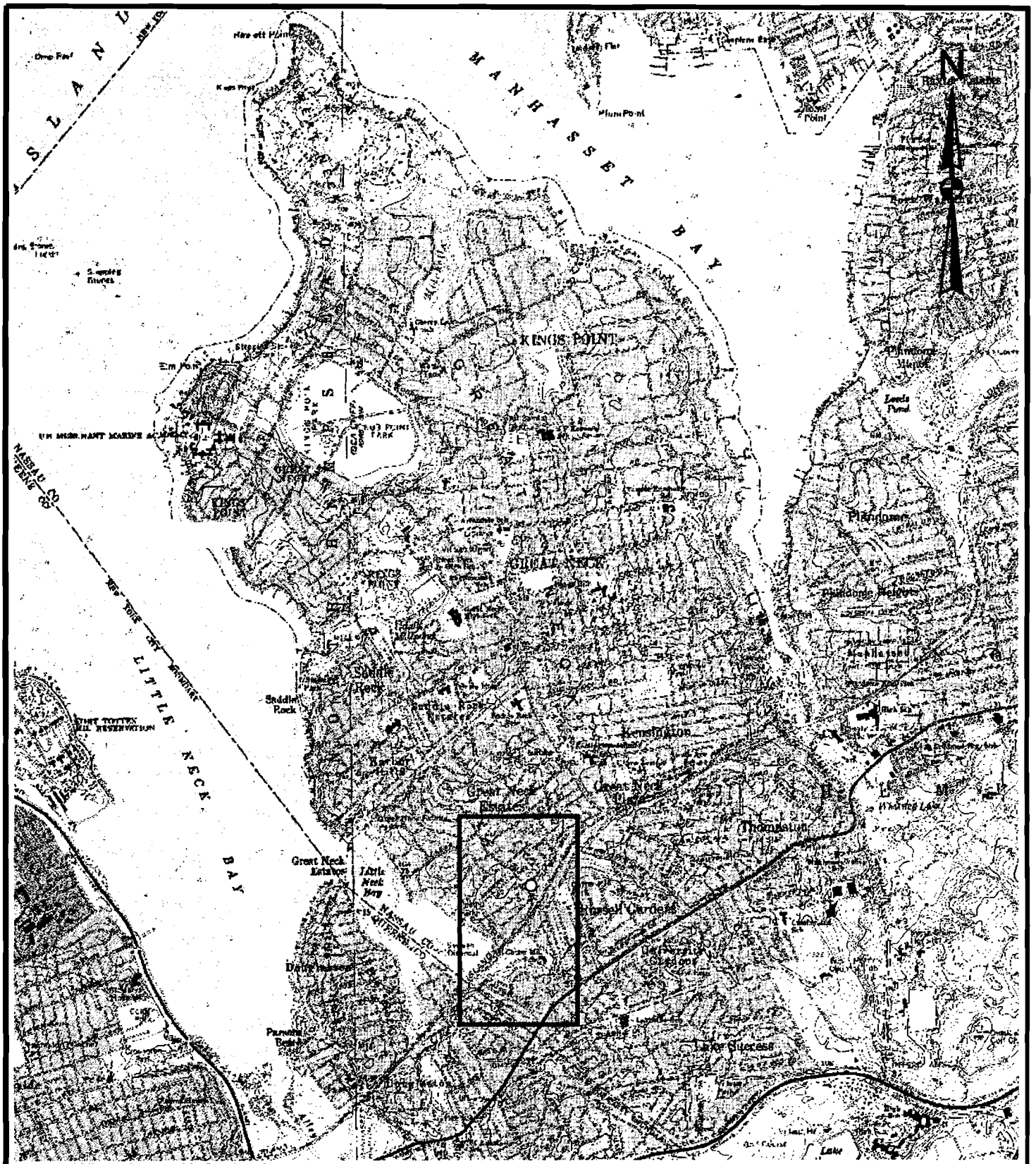
Notes:
SVE system turned off from 8/24/2004 through 8/31/2004 during tennis court demolition activites.
New SVE well EPA-EXT-04 on-line 11/04/2004
VOC readings taken before vapor phase carbon off-gas treatment.
Deep SVE Wells Closed on 12/10/03 Per OSC's Request
Formula provided by EPA in the "*Elements for Effective Management of Operating Pump and Treatment Systems*" publication.

$$M_{air} = Q_{air} \times C_{air} \times \frac{0.0283\ m3}{ft.3} \times \frac{1440\ min.}{day} \times \frac{2.2\ lbs.}{1000000\ mg}$$

$$C_{air\ (mg/m3)} = \frac{Conc\ (ppmv)}{1E+06} \times \frac{1\ mole\ air}{24.1\ L} \times \frac{1000\ L}{m3} \times \frac{1000\ mg}{g} \times MW_x$$

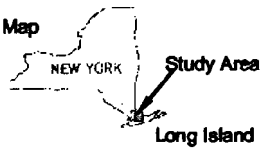
Notes:
Mair = mass loading, removal rate in air (lbs/day)
Qair = flow rate in air (cfm)
Cair = contaminant concentration (mg/m3)
MWx = molecular weight in grams/mole, for PCE is 166
Note: The conversion factor (1 mole air)/(24.1 L) varies with both temperature and pressure. At a pressure of 1 atmosphere and a temperature of 32 degrees Farenheit (0 degrees Celcius), the conversion is (1 mole air)/(22.4 L).

Figures



USGS 7.5 Minute Topographic Quadrangle:
Sea Cliff, N.Y., 1968, Photorevised 1979

Location Map



Legend

- Stanton Cleaners Study Area
- Stanton Cleaners Site

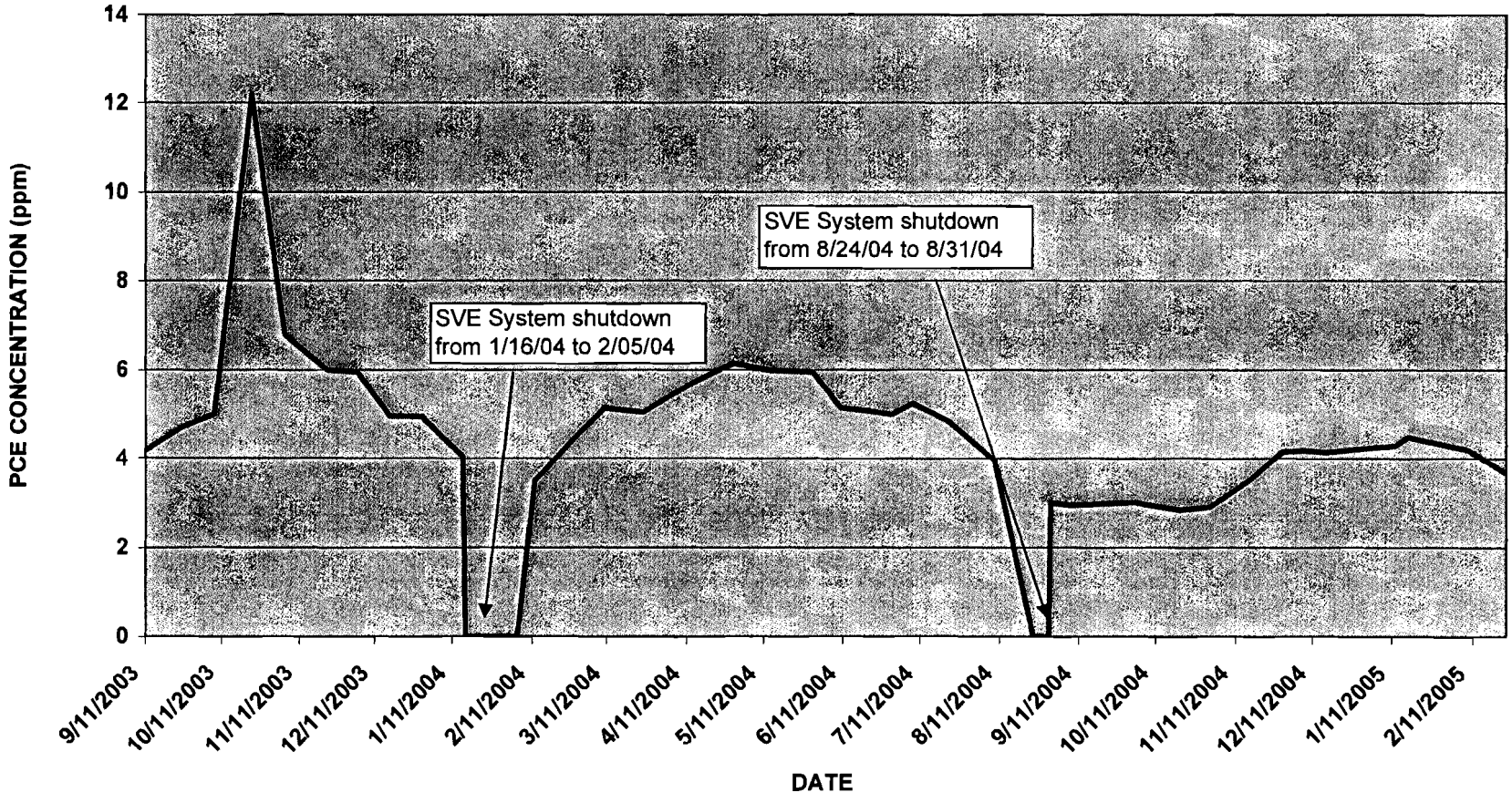
EARTH TECH

A tyco INTERNATIONAL LTD. COMPANY

Figure 1
Site Location Map
Stanton Cleaners Area
Groundwater Contamination Site

Stanton Cleaners Area
Groundwater Contamination Site
Great Neck, Nassau County, New York

Figure 2
STANTON CLEANERS AREA GOUNDWATER CONTAMINATION SITE
AVERAGE PCE CONCENTRATIONS (ppm)
250 CFM FINAL SVE SYSTEM
September 2003 - February 2005



Appendix A

Daily Quality Control Reports (DQCRs)

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC | Contract No: 5442-001-001

Contractor: Earth Tech, Inc.
Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228
Phone No.: (804) 515-8300

Date: 2/3/05 | **Earth Tech Project No.: 70536**

Day	S	M	T	W	T	F	S
Weather					**Cloudy**		
Temp.					**42°F**		
Wind					**Low**		
Humidity					**High**		

Earth Tech Personnel On-Site: **John Huisman**

Subcontractor (include names & responsibilities): **N/A**

Contract Materials and Equipment on site: **Ford F-250, Horiba U-22 Water Quality Meter, sample bottles and general hand tools.**

Work Performed (include sampling; list by NAS number if applicable):
Perform weekly O&M inspection
Collect Monthly Water Samples

Quality Control Activities (including field calibrations): **Collect duplicate water sample.**

Health and Safety Levels and Activities: **Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC | Contract No: 5442-001-001

Contractor: Earth Tech, Inc.
Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228
Phone No.: (804) 515-8300

Date: 2/3/05 | **Earth Tech Project No.: 70536**

Has a phase hazard analysis been performed? **Included in the Site Specific Health & Safety Plan**

Comments and deficiencies noted and corrective actions taken: **Explained in work performed section.**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Explained in work performed section.

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Special Notes:

Samples shipped to USEPA DESA Lab for analysis.

Trip report forwarded to CLP SMO.

Tomorrow's Expectations:

Prepare for semi-annual groundwater sampling event.

By: John Huisman | Title: Environmental Scientist

Signature: John Huisman | (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: John Huisman | (Contractor's Authorized Representative)

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC | Contract No: 5442-001-001

Contractor: Earth Tech, Inc.
Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228
Phone No.: (804) 515-8300

Date: **2/7/04 – 2/11/05** | Earth Tech Project No.: 70536

Day	S	M	T	W	T	F	S
Weather							
Temp.							
Wind							
Humidity							

Earth Tech Personnel On-Site: **John Huisman, Todd Plating, Russel Reynolds**

Subcontractor (include names & responsibilities): **N/A**

Contract Materials and Equipment on site: **2 Rental Ford Windstar Mini-Vans**
Pine Environmental Rental Sampling Equipment

Work Performed (include sampling; list by NAS number if applicable):
Sampled 25 groundwater monitoring wells for TCL-Volatiles.
Filled out COC paperwork. Packed samples on ice and shipped them out via FedEx for laboratory analysis. Decontaminated all the sampling equipment after each use.
Weekly O&M Inspectiuon
Bi-weekly air monitoring.

Quality Control Activities (including field calibrations): **Calibrated both Horiba U-22 water quality meters**

Horiba U-22 Auto Cal Solution: PH: 4.0 Conductivity: 4.49mS/cm Turbidity: 0.0 NTU

Collected duplicate samples.

Health and Safety Levels and Activities: **Level D**
Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**
Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**
Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY	
Client: ECC	Contract No: 5442-001-001
Contractor: Earth Tech, Inc. Address: 7870 Villa Park Drive, Suite 400 Richmond, Virginia 23228 Phone No.: (804) 515-8300	
Date: **2/7/04 – 2/11/05**	Earth Tech Project No.: 70536

Has a phase hazard analysis been performed? **Included in the Site Specific Health & Safety Plan**

Comments and deficiencies noted and corrective actions taken: **Explained in the work performed section.**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Explained in the work performed section.

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Special Notes:

TCL-VOA Samples were shipped to: A4 Scientific Lab

Chains-of-custody were faxed to Dave Miller, Jennifer Ferranda, Robert Toth, and Adly Michael.

Electronic XML TR/COC file was forwarded via email to Heather Bauer.

Tomorrow's Expectations:

Continue Groundwater sampling Activities.

By: John Huisman Title: Environmental Scientist

Signature: John Huisman (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: John Huisman (Contractor's Authorized Representative)

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC | Contract No: 5442-001-001

Contractor: Earth Tech, Inc.
Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228
Phone No.: (804) 515-8300

Date: 2/15/05 | **Earth Tech Project No.: 70536**

Day	S	M	T	W	T	F	S
Weather			**Sunny**				
Temp.			**39°F**				
Wind			**Low**				
Humidity			**High**				

Earth Tech Personnel On-Site: **John Huisman**

Subcontractor (include names & responsibilities): **N/A**

Contract Materials and Equipment on site: **Ford F-250, general hand tools.**

Work Performed (include sampling; list by NAS number if applicable):
Perform weekly O&M inspection

Quality Control Activities (including field calibrations): **Collect duplicate water sample.**

Health and Safety Levels and Activities: **Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY	
Client: ECC	Contract No: 5442-001-001
Contractor: Earth Tech, Inc. Address: 7870 Villa Park Drive, Suite 400 Richmond, Virginia 23228 Phone No.: (804) 515-8300	
Date: 2/15/05	**Earth Tech Project No.: 70536**
Has a phase hazard analysis been performed? **Included in the Site Specific Health & Safety Plan**	
Comments and deficiencies noted and corrective actions taken: **Explained in work performed section.**	
Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Explained in work performed section.	
Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Special Notes:	
Tomorrow's Expectations:	
Begin installation of new groundwater extraction well.	
By: John Huisman	Title: Environmental Scientist
Signature: John Huisman	(Quality Control Representative/Manager)
The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.	
Signature: John Huisman	(Contractor's Authorized Representative)

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC | Contract No: 5442-001-001

Contractor: Earth Tech, Inc.
Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228
Phone No.: (804) 515-8300

Date: **2/21/05 - 2/22/05** | **Earth Tech Project No.: 70536**

Day	S	M	T	W	T	F	S
Weather							
Temp.							
Wind							
Humidity							

Earth Tech Personnel On-Site: **John Huisman, Leslee Alexander, Tom Williams**

Subcontractor (include names & responsibilities): **N/A**

Contract Materials and Equipment on site: **Ford F-250,**

Work Performed (include sampling; list by NAS number if applicable):
Oversee RST Contractors and summit Drilling Crew Install new groundwater extraction well.

Quality Control Activities (including field calibrations):

Health and Safety Levels and Activities: **Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

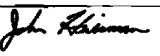
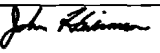
Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY	
Client: ECC	Contract No: 5442-001-001
Contractor: Earth Tech, Inc. Address: 7870 Villa Park Drive, Suite 400 Richmond, Virginia 23228 Phone No.: (804) 515-8300	
Date: **2/21/05 - 2/22/05**	**Earth Tech Project No.: 70536**
Has a phase hazard analysis been performed? **Included in the Site Specific Health & Safety Plan**	
Comments and deficiencies noted and corrective actions taken: **Explained in work performed section.**	
Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Explained in work performed section.	
Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.	
Special Notes:	
Tomorrow's Expectations:	
New extraction well installed to 120' bgs. with screened interval from 100' to 120'	
Well will be developed by RST in the next week.	
By: John Huisman	Title: Environmental Scientist
Signature: 	(Quality Control Representative/Manager)
The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.	
Signature: 	(Contractor's Authorized Representative)

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC | Contract No: 5442-001-001

Contractor: Earth Tech, Inc.
Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228
Phone No.: (804) 515-8300

Date: 2/23/05 | Earth Tech Project No.: 70536

Day	S	M	T	W	T	F	S
Weather				**Cloudy**			
Temp.				**45°F**			
Wind				**Low**			
Humidity				**High**			

Earth Tech Personnel On-Site: **John Huisman**

Subcontractor (include names & responsibilities): **N/A**

Contract Materials and Equipment on site: **F-250 & general hand tools. Multi RAE PID, VelociCal meter.**

Work Performed (include sampling; list by NAS number if applicable):

Change-out HVAC carbon filters at the long Island Hebrew Academy
Bi-weekly air monitoring.

Quality Control Activities (including field calibrations): **Calibrate Multi-Rae PID with 100 ppm Isobutylene gas.**

Health and Safety Levels and Activities: **Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

DAILY QUALITY CONTROL REPORT

Site Name and Location: Stanton Cleaners Site (LTRA) – Great Neck, NY

Client: ECC | Contract No: 5442-001-001

Contractor: Earth Tech, Inc.
Address: 7870 Villa Park Drive, Suite 400
Richmond, Virginia 23228
Phone No.: (804) 515-8300

Date: 2/23/05 | Earth Tech Project No.: 70536

Has a phase hazard analysis been performed? **Included in the Site Specific Health & Safety Plan**

Comments and deficiencies noted and corrective actions taken: **Explained in work performed section.**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Explained in work performed section.

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Special Notes:

RST is at the Max and Sonia Silverstein Academy collecting sub-slab samples and indoor air samples.

Tomorrow's Expectations:

Weekly O&M Inspection

By: John Huisman Title: Environmental Scientist

Signature: John Huisman (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: John Huisman (Contractor's Authorized Representative)

Appendix B

Groundwater Treatment System Operation & Maintenance Checklists

2/03/05

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION AND MAINTENANCE

1. A. Is any part of the system leaking? YES ✓NO
If so, list where._____

B. Is there water on the floor? YES ✓NO
If so, list where._____

C. Are all three (3) floor sump level switches in place? ✓YES NO

D. Is there any evidence of water in any of these floor sumps? YES ✓NO
Note: If water is present, remove with shop vac or paper towels.

2. A. Display screen on computer will either show system or screen saver. If screen saver is on, tap screen with finger to show screen. If only the desktop is showing with no system screen, click the *Lookout – (Stanton)* icon on the taskbar at the bottom of the screen.

B. From the site display, monitor and record the following.

1. Recovery Well EPA-EXT-02 flow[1] _____50_____ GPM
2. Recovery Well EPA-EXT-02 valve open _____30_____ %
3. Recovery Well IW-01 flow _____NA_____ GPM
4. Recovery Well IW-01 valve open _____NA_____ %
5. Recovery Well EPA-EXT-03 flow _____NA_____ GPM
6. Recovery Well EPA-EXT-03 valve open _____NA_____ %
7. Recovery Well pH _____6.7_____ pH
8. Recovery Well conductivity _____.55_____ micromhos
9. Air Stripper pH _____7.6_____ pH
10. Air Stripper temperature _____151_____ deg.
11. Air Stripper air flow _____2480_____ CFM
12. Pre-vapor carbon pressure _____0_____ "wc
13. Post carbon air flow _____2512_____ CFM
14. Discharge conductivity _____.55_____ micromhos
15. Discharge pH _____8.0_____ pH

---

[1] *Wells EPA-EXT-02 and MW-24 wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells.*

16. Discharge flow _____55_____ GPM

17. Discharge total gallons _____86,453,222_____ Gal

18. SVE inlet vacuum _____4_____ "Hg

19. SVE air flow _____64_____ CFM

C. From the treatment room, monitor and record the following.

1. Recovery Well EPA-EXT-02 total flow _____NA_____ Gal

2. Recovery Well IW-01 total flow _____NA_____ Gal

3. Recovery Well EPA-EXT-03 total flow _____NA_____ Gal

5. Recovery Well pH _____6.70_____ pH

6. Recovery Well conductivity _____0.59_____ micromhos

7. Air Stripper pH _____7.90_____ pH

8. Air Stripper temperature _____15.1_____ deg.

9. Air Stripper Pump water flow _____65_____ GPM

10. Air Stripper Pump pressure _____35_____ PSI

11. Discharge conductivity _____.55_____ micromhos

12. Discharge pH _____8.00

13. Discharge total gallons _____NA_____ Gal

14. SVE inlet vacuum (digital readout) _____2.4_____ "Hg

15. SVE inlet vacuum _____4_____ "Hg

16. SVE post knockout vacuum _____-5_____ "Hg

3. A. If time allows, check to see that the treatment system is cycling properly as described in STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE O&M Manual.

Notes:

2/08/05

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION AND MAINTENANCE

1. A. Is any part of the system leaking? YES ✓NO
If so, list where._____

B. Is there water on the floor? YES ✓NO
If so, list where._____

C. Are all three (3) floor sump level switches in place? ✓YES NO

D. Is there any evidence of water in any of these floor sumps? YES ✓NO
Note: If water is present, remove with shop vac or paper towels.

2. A. Display screen on computer will either show system or screen saver. If screen saver is on, tap screen with finger to show screen. If only the desktop is showing with no system screen, click the *Lookout – (Stanton)* icon on the taskbar at the bottom of the screen.

B. From the site display, monitor and record the following.

1. Recovery Well EPA-EXT-02 flow[1] _____52_____ GPM
2. Recovery Well EPA-EXT-02 valve open _____30_____ %
3. Recovery Well IW-01 flow _____NA_____ GPM
4. Recovery Well 1W-01 valve open _____NA_____ %
5. Recovery Well EPA-EXT-03 flow _____NA_____ GPM
6. Recovery Well EPA-EXT-03 valve open _____NA_____ %
7. Recovery Well pH _____6.8_____ pH
8. Recovery Well conductivity _____.55_____ micromhos
9. Air Stripper pH _____7.6_____ pH
10. Air Stripper temperature _____151_____ deg.
11. Air Stripper air flow _____2491_____ CFM
12. Pre-vapor carbon pressure _____0_____ "wc
13. Post carbon air flow _____2512_____ CFM
14. Discharge conductivity _____.55_____ micromhos
15. Discharge pH _____8.0 _____ pH

---

[1] *Wells EPA-EXT-02 and MW-24 wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells.*

16. Discharge flow _____55_____ GPM

17. Discharge total gallons _____86,832,321_____ Gal

18. SVE inlet vacuum _____4_____ "Hg

19. SVE air flow _____65_____ CFM

C. From the treatment room, monitor and record the following.

1. Recovery Well EPA-EXT-02 total flow _____NA_____ Gal

2. Recovery Well IW-01 total flow _____NA_____ Gal

3. Recovery Well EPA-EXT-03 total flow _____NA_____ Gal

5. Recovery Well pH _____6.70_____ pH

6. Recovery Well conductivity _____0.59_____ micromhos

7. Air Stripper pH _____7.90_____ pH

8. Air Stripper temperature _____15.1_____ deg.

9. Air Stripper Pump water flow _____65_____ GPM

10. Air Stripper Pump pressure _____35_____ PSI

11. Discharge conductivity _____.55_____ micromhos

12. Discharge pH _____8.00

13. Discharge total gallons _____NA_____ Gal

14. SVE inlet vacuum (digital readout) _____2.4_____ "Hg

15. SVE inlet vacuum _____4_____ "Hg

16. SVE post knockout vacuum _____-5_____ "Hg

3. A. If time allows, check to see that the treatment system is cycling properly as described in STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE O&M Manual.

Notes:

2/15/05

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION AND MAINTENANCE

1. A. Is any part of the system leaking? YES ✓NO
If so, list where._____

B. Is there water on the floor? YES ✓NO
If so, list where._____

C. Are all three (3) floor sump level switches in place? ✓YES NO

D. Is there any evidence of water in any of these floor sumps? YES ✓NO
Note: If water is present, remove with shop vac or paper towels.

2. A. Display screen on computer will either show system or screen saver. If screen saver is on, tap screen with finger to show screen. If only the desktop is showing with no system screen, click the *Lookout – (Stanton)* icon on the taskbar at the bottom of the screen.

B. From the site display, monitor and record the following.

1. Recovery Well EPA-EXT-02 flow[1] _____55_____ GPM
2. Recovery Well EPA-EXT-02 valve open _____30_____ %
3. Recovery Well IW-01 flow _____NA_____ GPM
4. Recovery Well IW-01 valve open _____NA_____ %
5. Recovery Well EPA-EXT-03 flow _____NA_____ GPM
6. Recovery Well EPA-EXT-03 valve open _____NA_____ %
7. Recovery Well pH _____6.8_____ pH
8. Recovery Well conductivity _____.55_____ micromhos
9. Air Stripper pH _____7.4_____ pH
10. Air Stripper temperature _____150_____ deg.
11. Air Stripper air flow _____2491_____ CFM
12. Pre-vapor carbon pressure _____0_____ "wc
13. Post carbon air flow _____2510_____ CFM
14. Discharge conductivity _____.55_____ micromhos
15. Discharge pH _____7.9_____ pH

---

[1] *Wells EPA-EXT-02 and MW-24 wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells.*

16. Discharge flow _____57_____ GPM

17. Discharge total gallons _____87,380,191_____ Gal

18. SVE inlet vacuum _____4_____ "Hg

19. SVE air flow _____65_____ CFM

C. From the treatment room, monitor and record the following.

1. Recovery Well EPA-EXT-02 total flow _____NA_____ Gal

2. Recovery Well IW-01 total flow _____NA_____ Gal

3. Recovery Well EPA-EXT-03 total flow _____NA_____ Gal

5. Recovery Well pH _____6.69_____ pH

6. Recovery Well conductivity _____0.55_____ micromhos

7. Air Stripper pH _____7.90_____ pH

8. Air Stripper temperature _____15.1_____ deg.

9. Air Stripper Pump water flow _____66_____ GPM

10. Air Stripper Pump pressure _____35_____ PSI

11. Discharge conductivity _____.55_____ micromhos

12. Discharge pH _____8.00

13. Discharge total gallons _____NA_____ Gal

14. SVE inlet vacuum (digital readout) _____2.4_____ "Hg

15. SVE inlet vacuum _____4_____ "Hg

16. SVE post knockout vacuum _____-5_____ "Hg

3. A. If time allows, check to see that the treatment system is cycling properly as described in STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE O&M Manual.

Notes:

2/23/05

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION AND MAINTENANCE

1. A. Is any part of the system leaking? YES ✓NO
If so, list where._____

B. Is there water on the floor? YES ✓NO
If so, list where._____

C. Are all three (3) floor sump level switches in place? ✓YES NO

D. Is there any evidence of water in any of these floor sumps? YES ✓NO
Note: If water is present, remove with shop vac or paper towels.

2. A. Display screen on computer will either show system or screen saver. If screen saver is on, tap screen with finger to show screen. If only the desktop is showing with no system screen, click the *Lookout – (Stanton)* icon on the taskbar at the bottom of the screen.

B. From the site display, monitor and record the following.

1. Recovery Well EPA-EXT-02 flow[1] _____52_____ GPM
2. Recovery Well EPA-EXT-02 valve open _____30_____ %
3. Recovery Well IW-01 flow _____NA_____ GPM
4. Recovery Well IW-01 valve open _____NA_____ %
5. Recovery Well EPA-EXT-03 flow _____NA_____ GPM
6. Recovery Well EPA-EXT-03 valve open _____NA_____ %
7. Recovery Well pH _____6.9_____ pH
8. Recovery Well conductivity _____.55_____ micromhos
9. Air Stripper pH _____7.4_____ pH
10. Air Stripper temperature _____150_____ deg.
11. Air Stripper air flow _____2490_____ CFM
12. Pre-vapor carbon pressure _____0_____ "wc
13. Post carbon air flow _____2520_____ CFM
14. Discharge conductivity _____.55_____ micromhos
15. Discharge pH _____7.9_____ pH

---

[1] *Wells EPA-EXT-02 and MW-24 wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells.*

16. Discharge flow _____57_____ GPM

17. Discharge total gallons _____88,089,002_____ Gal

18. SVE inlet vacuum _____4_____ "Hg

19. SVE air flow _____65_____ CFM

C. From the treatment room, monitor and record the following.

1. Recovery Well EPA-EXT-02 total flow _____NA_____ Gal

2. Recovery Well IW-01 total flow _____NA_____ Gal

3. Recovery Well EPA-EXT-03 total flow _____NA_____ Gal

5. Recovery Well pH _____6.70_____ pH

6. Recovery Well conductivity _____0.55_____ micromhos

7. Air Stripper pH _____7.90_____ pH

8. Air Stripper temperature _____15.1_____ deg.

9. Air Stripper Pump water flow _____66_____ GPM

10. Air Stripper Pump pressure _____35_____ PSI

11. Discharge conductivity _____.55_____ micromhos

12. Discharge pH _____8.00

13. Discharge total gallons _____NA_____ Gal

14. SVE inlet vacuum (digital readout) _____2.5_____ "Hg

15. SVE inlet vacuum _____4_____ "Hg

16. SVE post knockout vacuum _____-4_____ "Hg

3. A. If time allows, check to see that the treatment system is cycling properly as described in STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE O&M Manual.

Notes:

Appendix C

Groundwater Treatment System Downloaded Operational Data

Stanton Cleaners Groundwater Contamination Site - February 2005 - Site Operation Data

	Recovery Well 1 Flow (GPM)	Recovery Well 2 Flow (GPM)	Recovery Well 3 Flow (GPM)	Discharge Flow (GPM)	Discharge Flow (CFM)	Influent water Temperature (deg F)	Influent conductivity	Effluent conductivity	Influent water pH	Air Stripper water pH	Discharge water pH	Total gallons discharged	Air Stripper Air Flow	Combined Discharge Air Flow	SVE Air Flow
2/1/2005 8:00	0	0	53	74	2778	148	58	55	6.8	7.8	8.1	86330511.5	2712	2776	76
2/1/2005 12:00	0	0	52	72	2698	150	58	56	6.8	7.9	8.1	86343440.7	2523	2698	86
2/1/2005 16:00	0	0	51	74	2606	150	58	56	6.8	7.9	8.1	86358062.5	2538	2606	85
2/1/2005 20:00	0	0	53	73	2790	149	58	55	6.8	7.8	8.1	86368987.3	2528	2780	82
2/2/2005 0:00	0	0	52	73	2698	149	58	55	6.8	7.8	8	86381587.7	2814	2696	82
2/2/2005 4:00	0	0	50	72	2990	149	58	55	6.8	7.8	8	86394519.2	2595	2990	82
2/2/2005 8:00	0	0	50	0	2880	149	58	56	6.8	7.8	8.1	86407178	2832	2880	86
2/2/2005 12:00	0	0	50	74	2882	150	58	56	6.8	7.9	8.2	86420089.2	2585	2882	75
2/2/2005 16:00	0	0	51	0	2990	150	58	56	6.8	7.9	8.2	86432706.6	2599	2990	77
2/2/2005 20:00	0	0	50	73	2819	149	58	56	6.8	7.9	8.1	86445648.4	2495	2918	82
2/3/2005 0:00	0	0	50	0	3043	149	58	56	6.8	7.8	8.1	86458370.3	2525	3043	74
2/3/2005 4:00	0	0	51	77	2919	149	58	55	6.8	7.9	8.1	86471181.2	2455	2919	78
2/3/2005 8:00	0	0	51	0	2778	150	58	55	6.8	7.9	8.1	86484022.7	2520	2778	81
2/3/2005 12:00	0	0	51	76	2760	151	59	56	6.8	7.9	8.2	86498714.6	2502	2760	79
2/3/2005 16:00	0	0	50	11	2880	151	58	56	6.8	7.9	8.2	86509632.7	2477	2880	75
2/3/2005 20:00	0	0	51	73	2698	150	58	56	6.8	7.9	8.2	86522237.2	2519	2855	84
2/4/2005 0:00	0	0	50	76	2562	151	58	56	6.8	7.9	8.2	86535161.9	2588	2562	75
2/4/2005 4:00	0	0	50	73	2693	150	58	56	6.8	7.9	8.1	86547789.7	2488	2693	77
2/4/2005 8:00	0	0	51	72	2919	151	58	57	6.8	7.9	8.2	86560725.1	2355	2919	75
2/4/2005 12:00	0	0	51	0	2693	151	58	57	6.8	7.9	8.2	86573444	2438	2693	86
2/4/2005 16:00	0	0	53	72	2693	151	58	56	6.8	7.9	8.2	86586281.1	2422	2693	77
2/4/2005 20:00	0	0	51	0	2758	150	58	58	6.8	7.9	8.1	86599104	2421	2758	77
2/5/2005 0:00	0	0	51	73	2606	150	58	56	6.8	7.9	8.2	86611817.4	2519	2606	82
2/5/2005 4:00	0	0	50	9	2758	150	58	56	6.8	7.9	8.1	86624726.3	2545	2758	86
2/5/2005 8:00	0	0	51	76	2877	150	58	56	6.8	7.9	8.1	86637361.4	2443	2877	82
2/5/2005 12:00	0	0	50	71	2774	151	58	56	6.8	8	8.2	86650281	2342	2774	75
2/5/2005 16:00	0	0	51	72	2606	151	58	57	6.8	7.9	8.2	86662902.7	2391	2606	82
2/5/2005 20:00	0	0	51	73	2758	151	58	56	6.8	7.9	8.1	86675830.1	2490	2758	84
2/6/2005 0:00	0	0	51	74	2604	150	58	56	6.8	7.8	8.1	86688442	2315	2604	77
2/6/2005 4:00	0	0	50	73	2919	150	58	56	6.8	7.9	8.1	86701357.6	2330	2919	82
2/6/2005 8:00	0	0	49	0	2870	150	58	56	6.8	7.9	8.1	86714042.9	2686	2870	86
2/6/2005 12:00	0	0	52	74	2758	151	58	57	6.8	7.9	8.2	86728908.7	2394	2758	75
2/6/2005 16:00	0	0	52	0	2760	151	58	57	6.8	7.9	8.2	86739671.3	2218	2760	84
2/6/2005 20:00	0	0	51	73	2774	150	59	57	6.8	7.9	8.1	86752484.3	2548	2774	81
2/7/2005 0:00	0	0	50	0	2774	150	58	56	6.8	7.9	8.1	86765298.8	2581	2774	78
2/7/2005 4:00	0	0	50	74	2990	150	58	56	6.8	7.8	8.1	86778064.1	2586	2990	82
2/7/2005 8:00	0	0	51	0	2914	150	58	56	6.8	7.8	8	86790905	2485	2914	78
2/7/2005 12:00	0	0	51	74	2760	151	58	57	6.8	7.9	8.2	86803674.5	2275	2760	76
2/7/2005 16:00	0	0	51	3	2776	151	58	56	6.8	7.9	8.2	86816580.1	2503	2776	76
2/7/2005 20:00	0	0	50	72	2546	150	59	56	6.8	7.8	8.1	86829288	2502	2546	81
2/8/2005 0:00	0	0	50	73	2808	151	59	58	6.8	7.9	8.1	86842212.4	2375	2808	82
2/8/2005 4:00	0	0	51	74	2760	150	58	57	6.8	7.9	8.1	86854878.9	2304	2760	82
2/8/2005 8:00	0	0	50	76	2693	151	59	57	6.8	7.8	8	86867825.7	2484	2693	77
2/8/2005 12:00	0	0	51	0	2884	152	59	57	6.8	7.9	8.2	86880525.8	2416	2884	75
2/8/2005 16:00	0	0	51	73	2817	151	58	57	6.8	7.9	8.2	86893435.6	2294	2817	80
2/8/2005 20:00	0	0	53	0	2693	152	58	57	6.8	7.9	8.1	86906194.9	2448	2693	76
2/9/2005 0:00	0	0	51	72	2606	151	59	57	6.8	7.8	8.1	86919063.8	2306	2606	82
2/9/2005 4:00	0	0	52	73	2546	151	59	57	6.8	7.9	8.1	86932035.8	2205	2546	80
2/9/2005 8:00	0	0	52	72	2546	152	59	57	6.8	7.9	8.1	86944703.5	2453	2546	65
2/9/2005 12:00	0	0	50	73	2606	153	58	57	6.8	7.9	8.2	86957680.6	2360	2606	81
2/9/2005 16:00	0	0	51	61	2544	153	59	57	6.8	7.9	8.2	86970668.7	2172	2544	75
2/9/2005 20:00	0	0	52	76	2606	152	59	57	6.8	7.9	8.2	86983376.2	2102	2606	74
2/10/2005 0:00	0	0	52	73	2606	152	58	57	6.8	7.9	8.2	86996400	2286	2606	75
2/10/2005 4:00	0	0	51	75	2693	151	58	57	6.8	7.9	8.2	87009420.2	2310	2693	82
2/10/2005 8:00	0	0	53	77	2707	152	59	57	6.8	7.9	8.1	87022101.9	2295	2707	71
2/10/2005 12:00	0	0	51	72	2691	151	58	57	6.8	7.9	8.2	87035085	2254	2691	76
2/10/2005 16:00	0	0	53	74	2693	150	59	58	6.8	7.9	8.2	87048060.7	2112	2693	82
2/10/2005 20:00	0	0	51	0	2548	150	59	56	6.8	7.9	8.2	87060808.3	2371	2548	76
2/11/2005 0:00	0	0	52	74	2765	149	59	57	6.8	7.9	8.2	87073696.3	2480	2765	75
2/11/2005 4:00	0	0	52	75	2691	150	59	57	6.8	7.9	8.2	87086670.9	2225	2691	75
2/11/2005 8:00	0	0	53	0	2447	149	59	56	6.8	7.9	8.2	87099325.4	2401	2447	76
2/11/2005 12:00	0	0	52	75	2748	149	59	61	6.8	7.9	8.2	87112299.1	2396	2748	77
2/11/2005 16:00	0	0	52	76	2606	150	58	112	6.8	8	8.2	87125277.7	2389	2606	82
2/11/2005 20:00	0	0	50	75	2691	150	59	111	6.8	8	8.2	87137915.8	2431	2691	76
2/12/2005 0:00	0	0	54	74	2898	150	58	110	6.8	7.9	8.2	87150853	2317	2898	77
2/12/2005 4:00	0	0	52	0	2762	149	58	108	6.8	7.9	8.2	87163676.6	2275	2762	86
2/12/2005 8:00	0	0	52	76	2604	150	58	111	6.8	7.9	8.2	87176481.8	2309	2604	77
2/12/2005 12:00	0	0	52	73	2693	150	59	111	6.8	7.9	8.2	87189450.7	2350	2693	75
2/12/2005 16:00	0	0	52	0	2919	151	59	112	6.8	8	8.2	87202205.8	2228	2919	78
2/12/2005 20:00	0	0	52	74	2762	151	59	112	6.8	7.9	8.2	87215098	2385	2762	77
2/13/2005 0:00	0	0	53	10	2760	151	59	113	6.8	7.9	8.2	87228060.5	2504	2760	80
2/13/2005 4:00	0	0	54	74	2723	150	58	111	6.8	7.9	8.2	87240745.8	2277	2723	82
2/13/2005 8:00	0	0	52	71	2919	150	58	110	6.8	7.9	8.2	87253707.2	2279	2919	86
2/13/2005 12:00	0	0	50	0	2693	150	59	113	6.8	8	8.2	87268494.4	2326	2693	80
2/13/2005 16:00	0	0	52	72	2813	150	59	112	6.8	8	8.2	87279354.1	2336	2813	82
2/13/2005 20:00	0	0	52	76	2774	150	58	111	6.8	7.9	8.2	87292289.7	2408	2774	82
2/14/2005 0:00	0	0	51	72	2870	149	59	109	6.8	7.9	8.2	87304943.5	2375	2870	82
2/14/2005 4:00	0	0	51	76	2771	150	59	111	6.8	7.9	8.2	87317911.4	2509	2771	86
2/14/2005 8:00	0	0	51	0	2930	150	59	57	6.8	7.9	8.2	87330679.8	2549	2930	81
2/14/2005 12:00	0	0	53	72	2606	151	58	58	6.8	7.9	8.2	87343528.4	2198	2606	86
2/14/2005 16:00	0	0	52	74	2693	152	59	58	6.8	7.9	8.2	87356519.2	2230	2693	81
2/14/2005 20:00	0	0	54	5	2776	152	59	58	6.8	7.9	8.2	87369158.1	2325	2776	77
2/15/2005 0:00	0	0	51	72	2470	153	59	59	6.8	8	8.2	87382134	2255	2470	70
2/15/2005 4:00	0	0	51	74	2691	153	59	59	6.8	7.9	8.2	87395068.8	2346	2691	70
2/15/2005 8:00	0	0	51	0	2546	152	59	58	6.8	7.9	8.2	87407782	2357	2546	85
2/15/2005 12:00	0	0	51	73	2762	152	59	58	6.8	8	8.2	87420722.1	2236	2762	85
2/15/2005 16:00	0	0	52	5	2691	153	59	59	6.8	7.9	8.2	87433640.9	2336	2691	75
2/15/2005 20:00	0	0	51	76	2693	152	59	58	6.8	7.9	8.2	87448339.2	2372	2693	82

2/16/2005 0:00	0	0	53	73	2762	152	59	58	6.8	7.9	8.2	87459313.8	2396	2762	83
2/16/2005 4:00	0	0	53	9	2891	152	59	58	6.8	7.9	8.2	87471440.8	2309	2891	76
2/16/2005 8:00	0	0	50	78	2551	151	58	117	6.8	7.9	8.1	87484137.5	2247	2551	78
2/16/2005 12:00	0	0	51	75	2546	152	57	117	6.8	7.9	8.1	87497152.7	2383	2546	82
2/16/2005 16:00	0	0	51	76	2601	152	58	118	6.8	7.9	8.1	87510161.2	2421	2601	71
2/16/2005 20:00	0	0	52	0	2601	150	58	115	6.8	7.9	8.1	87522928.3	2477	2601	71
2/17/2005 0:00	0	0	50	72	2723	150	58	114	6.8	7.9	8.1	87535850.6	2594	2723	82
2/17/2005 4:00	0	0	49	72	2776	149	58	114	6.8	7.9	8.1	87548843.7	2444	2776	81
2/17/2005 8:00	0	0	54	76	2891	149	57	113	6.8	7.9	8.1	87561522.4	2441	2891	77
2/17/2005 12:00	0	0	53	72	2776	149	57	114	6.8	7.8	8.1	87574541.6	2419	2776	76
2/17/2005 16:00	0	0	51	73	2746	150	57	114	6.8	7.9	8.1	87587512.9	2485	2746	83
2/17/2005 20:00	0	0	52	73	2870	148	58	114	6.8	7.9	8.1	87600175.7	2188	2870	86
2/18/2005 0:00	0	0	51	74	2546	149	57	113	6.8	7.9	8.1	87613134.5	2214	2546	87
2/18/2005 4:00	0	0	51	3	2693	149	58	112	6.8	7.9	8.1	87626015.5	2610	2693	76
2/18/2005 8:00	0	0	51	73	2930	149	58	112	6.8	7.9	8.1	87638728.3	2585	2930	82
2/18/2005 12:00	0	0	50	71	2774	149	58	112	6.8	7.9	8.1	87651899.7	2545	2774	78
2/18/2005 16:00	0	0	50	0	2553	148	58	112	6.8	7.9	8.2	87664496.9	2690	2553	85
2/18/2005 20:00	0	0	51	72	2774	148	58	111	6.8	7.9	8.2	87677317.5	2570	2774	83
2/19/2005 0:00	0	0	52	76	2673	147	58	111	6.8	7.9	8.2	87690249.8	2454	2673	84
2/19/2005 4:00	0	0	51	72	2990	147	58	110	6.8	7.9	8.1	87702886.5	2366	2990	81
2/19/2005 8:00	0	0	52	72	2990	148	58	111	6.8	7.9	8.1	87715050.2	2721	2990	80
2/19/2005 12:00	0	0	49	0	2751	148	57	112	6.8	7.9	8.2	87728682.1	2629	2751	78
2/19/2005 16:00	0	0	53	76	2601	149	57	113	6.8	7.9	8.1	87741459.6	2553	2601	76
2/19/2005 20:00	0	0	51	72	2604	149	57	113	6.8	7.9	8.1	87754402.8	731	2604	87
2/20/2005 0:00	0	0	52	0	2912	149	58	112	6.8	7.9	8.1	87767137.1	686	2912	87
2/20/2005 4:00	0	0	52	76	2774	149	57	112	6.8	7.9	8.1	87780069.7	702	2774	87
2/20/2005 8:00	0	0	52	73	2707	149	58	112	6.8	7.9	8.1	87793055.6	650	2707	85
2/20/2005 12:00	0	0	51	76	2689	149	58	112	6.8	7.9	8.1	87805709.8	616	2689	83
2/20/2005 16:00	0	0	51	72	2746	149	58	113	6.8	7.9	8.2	87818674.6	675	2746	87
2/20/2005 20:00	0	0	52	72	2746	149	57	113	6.8	7.9	8.1	87831908.9	621	2746	83
2/21/2005 0:00	0	0	53	0	2891	149	57	113	6.8	7.9	8.1	87844279.5	753	2891	82
2/21/2005 4:00	0	0	50	73	2746	150	57	114	6.8	7.9	8.2	87857206.3	775	2746	82
2/21/2005 8:00	0	0	53	72	2870	150	58	114	6.8	7.9	8.2	87870160.6	717	2870	86
2/21/2005 12:00	0	0	51	0	2746	150	58	56	6.8	7.9	8.1	87883024.4	640	2746	78
2/21/2005 16:00	0	0	50	75	2896	150	58	57	6.8	7.9	8.1	87895769.9	604	2896	78
2/21/2005 20:00	0	0	52	73	2891	150	58	57	6.8	7.9	8.1	87908729.6	655	2891	81
2/22/2005 0:00	0	0	51	7	2868	150	58	57	6.8	7.9	8.2	87921870.9	651	2868	77
2/22/2005 4:00	0	0	50	73	2746	150	57	58	6.8	7.9	8.1	87934334.9	554	2746	87
2/22/2005 8:00	0	0	50	73	2870	150	58	57	6.8	7.9	8.1	87947295.4	665	2870	81
2/22/2005 12:00	0	0	50	76	2774	151	58	58	6.8	7.9	8.2	87960243.9	673	2774	87
2/22/2005 16:00	0	0	54	74	2746	151	58	57	6.8	7.9	8.1	87972698.9	590	2746	81
2/22/2005 20:00	0	0	51	77	2698	150	58	57	6.8	7.9	8.1	87985870.7	672	2698	81
2/23/2005 0:00	0	0	52	73	2746	150	58	57	6.8	7.9	8.1	87998647.6	658	2746	78
2/23/2005 4:00	0	0	51	0	2778	150	58	57	6.8	7.9	8.1	88011543.7	653	2778	77
2/23/2005 8:00	0	0	52	73	2928	150	58	57	6.8	7.9	8.2	88024517	611	2928	80
2/23/2005 12:00	0	0	50	75	2870	150	58	58	6.8	7.9	8.2	88037471.1	611	2870	77
2/23/2005 16:00	0	0	50	0	2990	150	58	57	6.8	7.9	8.2	88050268.7	616	2990	87
2/23/2005 20:00	0	0	51	73	2990	149	58	57	6.8	7.9	8.2	88063087.1	630	2990	71
2/24/2005 0:00	0	0	50	75	2742	149	58	57	6.8	7.9	8.1	88076035.1	605	2742	87
2/24/2005 4:00	0	0	51	0	2870	148	58	58	6.8	7.9	8.1	88088764.9	712	2870	80
2/24/2005 8:00	0	0	50	73	2870	148	58	58	6.8	7.9	8.1	88101810.7	683	2870	82
2/24/2005 12:00	0	0	52	73	2774	149	57	57	6.8	7.9	8.2	88114570.9	713	2774	80
2/24/2005 16:00	0	0	52	0	2774	149	58	57	6.8	7.9	8.1	88127323.8	601	2774	87
2/24/2005 20:00	0	0	53	76	2912	149	58	58	6.8	7.9	8.1	88140179.3	687	2912	83
2/25/2005 0:00	0	0	53	72	2912	149	58	57	6.8	7.9	8.2	88153184.5	571	2912	80
2/25/2005 4:00	0	0	51	72	2923	149	58	57	6.8	7.9	8.2	88166154.5	601	2923	77
2/25/2005 8:00	0	0	52	0	2914	149	58	57	6.8	7.9	8.1	88178935.8	677	2914	82
2/25/2005 12:00	0	0	50	72	2691	149	58	57	6.8	7.9	8.2	88191852.4	652	2691	87
2/25/2005 16:00	0	0	53	73	2870	149	58	57	6.8	7.9	8.2	88204545.6	708	2870	71
2/25/2005 20:00	0	0	54	0	2599	149	58	57	6.8	7.9	8.1	88217720.2	780	2599	87
2/26/2005 0:00	0	0	52	75	2889	149	58	57	6.8	7.9	8.1	88230617.7	589	2889	87
2/26/2005 4:00	0	0	50	72	2912	148	57	56	6.8	7.9	8.1	88243509.6	632	2912	79
2/26/2005 8:00	0	0	54	0	2912	149	57	56	6.8	7.8	8	88256421.4	592	2912	83
2/26/2005 12:00	0	0	52	74	2544	150	58	57	6.8	7.9	8.1	88269192.7	672	2544	77
2/26/2005 16:00	0	0	51	72	2771	150	58	57	6.8	7.9	8.2	88282183.8	633	2771	77
2/26/2005 20:00	0	0	53	74	2601	150	59	57	6.8	7.9	8.1	88295159.6	616	2601	83
2/27/2005 0:00	0	0	53	0	2870	149	58	58	6.8	7.9	8.1	88307849.4	626	2870	83
2/27/2005 4:00	0	0	53	74	2774	148	58	57	6.8	7.9	8.2	88320828.1	623	2774	87
2/27/2005 8:00	0	0	52	72	2691	149	58	57	6.8	7.9	8.2	88333826.2	652	2691	82
2/27/2005 12:00	0	0	51	0	2546	149	58	57	6.8	7.9	8.2	88346845.8	616	2546	83
2/27/2005 16:00	0	0	52	73	2601	149	58	57	6.8	7.9	8.2	88359495	587	2601	73
2/27/2005 20:00	0	0	52	71	2868	149	58	57	6.8	7.9	8.1	88372476.2	599	2868	87
2/28/2005 0:00	0	0	52	4	2774	149	58	57	6.8	7.9	8.1	88385396.9	668	2774	87
2/28/2005 4:00	0	0	52	76	2912	149	58	57	6.8	7.9	8.1	88398139.4	777	2912	83
2/28/2005 8:00	0	0	51	75	2912	149	58	58	6.8	7.9	8.1	88411122.3	692	2912	77
2/28/2005 12:00	0	0	53	75	2544	149	58	57	6.8	7.9	8.2	88424112.7	683	2544	81
2/28/2005 16:00	0	0	51	10	2804	150	58	57	6.8	7.9	8.2	88437095.8	665	2804	86
2/28/2005 20:00	0	0	50	0	2774	150	58	57	6.8	7.9	8.2	88449885.3	628	2774	77

Appendix D

Sampling Trip Reports

SAMPLING TRIP REPORT

Site Name: STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
CERCLIS ID Number: NYD047650197
Sampling Dates: February 3, 2005
CLP Case Number: N/A
Site Location: 110 Cutter Mill Road, Great Neck, New York, 11021
Sample Descriptions: Groundwater Treatment System Influent / Effluent.

Laboratories Receiving Samples (Table 1):

Case Number	Sample Type	Name and Address of Laboratory
N/A	TCL-VOAs OLC03.2	USEPA Region II (USEPA) Building 209 MS-230 2890 Woodbridge Avenue Edison, N.J. 08837

Sample Dispatch Data (Table 2):

On February 3, 2005, four groundwater samples, including extra volume for Matrix Spike / Matrix Spike Duplicate (MS/MSD) analysis, one duplicate sample, and one trip blank were shipped to the USEPA Region II Laboratory for TCL-VOAs analysis.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
791539769992	1	4 Aqueous Samples including 1 duplicate sample, and 1 Trip Blank for TCL-VOAs.	12/15/04 @ 18:00 TO: USEPA

Sampling Personnel (Table 3):

Name	Organization	Site Duties
Tom Williams	Earth Tech, Inc.	Task Manager
John Huisman	Earth Tech, Inc.	Health & Safety/Sampler

Sample Numbers and Collection Points (Table 4):

Laboratory	Analyses	Sample Type	CLP Sample #	Sample Collection Point(SCP)
USEPA	**TCL-VOAs**	**Aqueous Groundwater**	**N/A**	**SC-01**
			N/A	**SC-04 (MS/MSD)**
			N/A	**SC-75 (Dupl SP-01)**
			N/A	**SC-TB (Trip Blank)**

Additional Comments:

All groundwater samples were collected after a five gallon purge from the sample ports located within the treatment system. Volumes were collected from the influent (SC-01) and effluent (SC-04) of the treatment system for the following analysis: Target Compound List (TCL) Volatile Organic Compounds. Sample collection point SC-75 is a duplicate sample of influent sample SC-01.

Earth Tech personnel also collected real time water quality parameters from the raw water (influent) and treated water (effluent) using a Horiba U-22 water quality meter. Copies of the Chains of Custody Records are included in Appendix A. A copy of the FedEx airbill is included in Appendix B. The field measured water quality data is included in Appendix C.

APPENDIX A

CHAIN OF CUSTODY FORMS

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	
DAS No:	L
SDG No:	

		Chain of Custody Record		Sampler Signature:		For Lab Use Only	
Date Shipped:	2/3/2005	Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Contract No:	
Carrier Name:	FedEx	1	2/3/05/18:00	FedEx	2/3/05/19:00	Unit Price:	
Airbill:	791539769992	2				Transfer To:	
Shipped to:	USEPA REGION II DESA LAB Building 209 MS 230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6888	3				Lab Contract No:	
		4				Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
SC-01	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	SC-01	S: 2/3/2005 17:00		
SC-04	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	SC-04	S: 2/3/2005 17:30		
SC-75	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	SC-75	S: 2/3/2005 17:00		
SC-TB	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	SC-TB	S: 2/3/2005 16:00		

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___	Shipment Iced? ___
VOA = CLP TCL Volatiles					

TR Number: 2-525300610-020205-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: R
DAS No:

Region:	2	**Date Shipped:**	2/3/2005	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	791539769992	1 2/3/05 18:00	Fedex 2/3/05 18:00
CERCLIS ID:	NYD047650197	**Shipped to:**	USEPA REGION II DESA LAB Building 209 MS 230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6888	2	
Spill ID:				3	
Site Name/State:	Stanton Cleaners Site/NY			4	
Project Leader:	JOHN HUISMAN				
Action:	Operations and Maintenance				
Sampling Co:	Earth Tech, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
SC-01	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	SC-01	S: 2/3/2005 17:00		–
SC-04	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	SC-04	S: 2/3/2005 17:30		–
SC-75	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	SC-75	S: 2/3/2005 17:00		–
SC-TB	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	SC-TB	S: 2/3/2005 16:00		Trip Blank

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____
VOA = CLP TCL Volatiles			

TR Number: 2-525300610-020205-0002

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

APPENDIX B

FEDEX AIRBILLS

Track Shipments

Detailed Results

Quick Help

Tracking number	791539769992	**Reference**	5442.001
Signed for by	S.FIGUEROA	**Delivery location**	Edison, NJ
Ship date	Feb 3, 2005	**Delivered to**	Shipping/Receiving
Delivery date	Feb 4, 2005 9:15 AM	**Service type**	Priority Overnight
		Weight	20.0 lbs.
Status	Delivered		

Date/Time		Activity	Location	Details
Feb 4, 2005	9:15 AM	**Delivered**	Edison, NJ	
	8:23 AM	On FedEx vehicle for delivery	EDISON, NJ	
	6:48 AM	At local FedEx facility	EDISON, NJ	
Feb 3, 2005	10:17 PM	Arrived at FedEx location	NEWARK, NJ	
	8:36 PM	Left origin	GARDEN CITY, NY	
	6:31 PM	Picked up	GARDEN CITY, NY	
	9:54 AM	Package data transmitted to FedEx		

Signature proof | Track more shipments

Email your detailed tracking results (optional)

Enter your email, submit up to three email addresses (separated by commas), add your message (optional), and click **Send email**.

From

To

Add a message to this email.

Send email

APPENDIX C

WATER QUALITY DATA

STANTON CLEANERS SITE LTRA

Groundwater Pump and Treatment System
Water Quality Parameters Log

Date: 2/3/05
Project # 70536

	pH	COND.	TURB.	DO	TEMP.	SALINITY
Combined Influent	7.10	0.499	1.0	4.7	52.14	0.01
Discharge	7.62	0.51	0.0	8.8	53.21	0.01

Total Gallons pumped: 86,099,123 gallons
Flow rate: 55 gpm

Equipment Calibrated by: John Huisman
Water samples collected by: John Huisman
Water monitoring performed by: John Huisman

Comments:
SC-01 : Influent Sample Collected
SC-04 : Effluent Sample Collected & (MS/MSD)
SC-75 : Duplicate Sample of SC-01

TEMP. - Temperature measured in degrees Fahrenheit.
COND. - Conductivity measured in milliSiemens per centimeter (mS/cm).
TURB. - Turbidity measure in nephelometric turbidity units (NTU).
DO - Dissolved Oxygen measured in milligrams per liter (mg/L).
SALINITY - Salinity in percentage.

SAMPLING TRIP REPORT

Site Name: STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
CERCLIS ID Number: NYD047650197
Sampling Dates: February 7, 2005 – February 11, 2005
CLP Case Number: 33838
Site Location: 110 Cutter Mill Road, Great Neck, New York, 11021
Sample Descriptions: First Semi-Annual Groundwater Sampling Event Of 2005

Laboratories Receiving Samples:

Case Number	Sample Type	Name and Address of Laboratory
33838	TCL-VOAs	A4 Scientific (A4) 1544 Sawdust Road – Suite 505 The Woodlands, TX 77380

Sample Dispatch Data:

On February 8, 2005, fourteen groundwater samples, including one duplicate sample, one trip blank and two equipment blanks were shipped to A4 Scientific for analysis of TCL-Volatiles.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
791471149376	1	14 aqueous samples including 1 duplicate sample, 1 trip blank, and 2 equipment blanks for analysis of TCL-volatiles.	2/8/05 @ 16:30 TO: A4

On February 9, 2005, ten groundwater samples, including one duplicate sample, one trip blank, and one equipment blank were shipped to A4 Scientific for analysis of TCL-Volatiles.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
790421953760	1	10 aqueous samples including 1 trip blank, and 1 equipment blank for analysis of TCL-volatiles.	2/9/05 @ 17:00 TO: A4

On February 10, 2005, ten groundwater samples, including two duplicate samples, one trip blank, and one equipment blank were shipped to A4 Scientific for analysis of TCL-Volatiles.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
792202877711	1	10 aqueous samples including 2 duplicate samples, 1 trip blank, and 1 equipment blank for analysis of TCL-volatiles.	2/10/05 @ 16:30 TO: A4

On February 11, 2005, three groundwater samples, including one trip blank and one equipment blank were shipped to A4 Scientific for analysis of TCL-Volatiles.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
791474604785	1	3 aqueous samples including 1 trip blank and 1 equipment blank for analysis of TCL-volatiles.	2/11/05 @ 12:00 TO: A4

Sampling Personnel:

Name	Organization	Site Duties
John Huisman	Earth Tech, Inc.	Sampler / Health & Safety
Leslee Alexander	Earth Tech, Inc.	Sampler
Russell Reynolds	Earth Tech, Inc.	Sampler
Todd Plating	Earth Tech, Inc.	Sampler
Howard Nichols	Environmental Chemical Corp.	Sampler

Sample Numbers and Collection Points:

Attachment A includes a table with a list of all the groundwater monitoring well collection points and their assigned CLP sample numbers.

Additional Comments:

During the groundwater sampling event that occurred from February 7, 2005 through February 11, 2005, a total of 28 groundwater samples including three duplicate samples (EPA-MW-31D, ST-MW-17D, and EPA-MW-21D) a were collected and shipped for laboratory analysis. A total of 4 trip blanks and 5 equipment blanks were also collected.

The groundwater sampling procedures were conducted in accordance with the USEPA Region II Groundwater Sampling Low Flow (Minimal Drawdown) Groundwater Sampling Procedures, date April 1996. Copies of the Chains of Custody Records are included in Attachment B. FedEx airbills are included in Attachment C.

ATTACHMENT A

CLP SAMPLE NUMBERS AND COLLECTION POINTS

CLP Sample Numbers And Collection Points
Stanton Cleaners Site
February 2005

Well ID #	CLP Sample #	Top of PVC Elevation (ft msl)	Depth to Top of Screen (ft.)	Depth to bottom of Screen (ft.)	Depth to Install Sample Pump (ft)	QA/QC Samples
CL-1D	B1W05	DNA*	135	145	**140**	
CL-1S	B1W06	DNA*	75	85	**80**	
CL-4D	B1W07	DNA*	135	145	**140**	
CL-4S	B1W08	DNA*	75	85	**80**	
EPA-MW-21	B1W09	84.13	85.43	95.52	**90**	
EPA-MW-21D	B1W10	QA/QC DUPLICATE SAMPLE				**DUPLICATE**
EPA-MW-23	B1W11	82.83	85.74	95.72	**90**	
EPA-MW-26	B1W12	78.37	85.83	95.88	**90**	
EPA-MW-27	B1W13	69.32	115.33	125.93	**120**	
EPA-MW-29	B1W14	31.06	145	155	**150**	
EPA-MW-31	B1W15	51.46	55	65	**60**	
EPA-MW-31D	B1W16	QA/QC DUPLICATE SAMPLE				**DUPLICATE**
EPA-MW-32	B1W17	53.39	110	120	**115**	
EPA-MW-33	B1W18	68.75	75	85	**80**	
EPA-MW-9a	B1W19	80.24	83	103	**90**	
MW-11D	B1W20	74.63	125	135	**130**	
ST-MW-02	B1W21	82.03	90	100	**95**	
ST-MW-06	B1W22	69.83	44.3	54.3	**49**	
ST-MW-11	B1W23	75.25	73	83	**78**	
ST-MW-13	B1W24	103.94	87	102	**89**	
ST-MW-14	B1W25	69.73	185	200	**190**	
ST-MW-15	B1W26	90.13	85	95	**90**	
ST-MW-16	B1W27	75.78	54.5	69.5	**60**	
ST-MW-17	B1W28	86.53	120	140	**130**	
ST-MW-17D	B1W29	QA/QC DUPLICATE SAMPLE				**DUPLICATE**
ST-MW-18	B1W30	84.40	183	203	**190**	
ST-MW-20	B1W31	84.53	200	215	**205**	
ST-MW-19	B1W32	82.50	74	89	**80**	
FIELD BLANKS/ TRIP BLANKS						
EB-01	B1W33		*Equipmnet Blank*			
TB-01	B1W34		*Trip Blank*			
EB-02	B1W35		*Equipmnet Blank*			
TB-02	B1W36		*Trip Blank*			
EB-03	B1W37		*Equipmnet Blank*			
TB-03	B1W38		*Trip Blank*			
EB-04	B1W39		*Equipmnet Blank*			
TB-04	B1W40		*Trip Blank*			
EB-05	B1W41		*Equipmnet Blank*			

NOTES:

DNA* - Data Not Available; Construction data from previous investigations could not be located.

EPA-MW-31- Will collect duplicate QA/QC Sample Under Different CLP#

EPA-MW-21- Will collect duplicate QA/QC Sample Under Different CLP#

ST-MW-17- Will collect duplicate QA/QC Sample Under Different CLP#

ATTACHMENT B

CHAIN OF CUSTODY FORMS

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33838
DAS No:	
SDG No:	L

Date Shipped:	2/8/2005
Carrier Name:	FedEx
Airbill:	791471149376
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Sampler Signature:

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	John Huisman	2/8/05 16:30	Fedex	2/8/05 16:30
2				
3				
4				

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B1W05	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	CL-1D	S: 2/8/2005	15:20		
B1W06	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	CL-1S	S: 2/8/2005	14:10		
B1W07	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	CL-4D	S: 2/8/2005	14:05		
B1W08	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	CL-4S	S: 2/8/2005	14:45		
B1W15	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-31	S: 2/7/2005	14:50		
B1W16	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-31D	S: 2/7/2005	14:50		
B1W17	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-32	S: 2/7/2005	15:20		
B1W18	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-33	S: 2/8/2005	9:00		
B1W19	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-9A	S: 2/8/2005	9:10		
B1W24	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-13	S: 2/8/2005	10:30		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

VOA = CLP TCL Volatiles

TR Number: 2-525300610-020805-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to. Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33838
DAS No:	
SDG No:	L

Date Shipped:	2/8/2005
Carrier Name:	FedEx
Airbill:	791471149376
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Sampler Signature:

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1		2/8/05 16:30	Fedex	2/8/05 16:30
2				
3				
4				

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B1W32	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-19	S: 2/8/2005	10:30		
B1W33	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-01	S: 2/7/2005	13:45		
B1W34	Ground Water	/G	VOA (21)	(HCL) (2)	TB-01	S: 2/7/2005	8:00		
B1W35	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-02	S: 2/8/2005	13:30		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ___	Shipment Iced? ___
VOA = CLP TCL Volatiles				

TR Number: 2-525300610-020805-0001

LABORATORY COPY

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33838 **R**
DAS No:

Region:	2
Project Code:	
Account Code:	
CERCLIS ID:	NYD047650197
Spill ID:	
Site Name/State:	Stanton Cleaners Site/NY
Project Leader:	JOHN HUISMAN
Action:	Operations and Maintenance
Sampling Co:	U.S. Corps. of Engineers

Date Shipped:	2/8/2005
Carrier Name:	FedEx
Airbill:	791471149376
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	2/8/05 11:30	Fedex	2/8/05 11:30
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
B1W05	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	CL-1D	S: 2/8/2005 15:20		--
B1W06	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	CL-1S	S: 2/8/2005 14:10		--
B1W07	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	CL-4D	S: 2/8/2005 14:05		--
B1W08	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	CL-4S	S: 2/8/2005 14:45		--
B1W15	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-31	S: 2/7/2005 14:50		--
B1W16	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-31D	S: 2/7/2005 14:50		Field Duplicate
B1W17	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-32	S: 2/7/2005 15:20		--
B1W18	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-33	S: 2/8/2005 9:00		--
B1W19	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-9A	S: 2/8/2005 9:10		--
B1W24	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-13	S: 2/8/2005 10:30		--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: VOA = CLP TCL Volatiles	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?**

TR Number: 2-525300610-020805-0001

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33838	R
DAS No:		

Region:	2	Date Shipped:	2/8/2005	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	791471149376	1 2/8/05 16:30	Fedex 2/8/05 16:70
CERCLIS ID:	NYD047650197	Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	2	
Spill ID:				3	
Site Name/State:	Stanton Cleaners Site/NY			4	
Project Leader:	JOHN HUISMAN				
Action:	Operations and Maintenance				
Sampling Co:	U.S. Corps. of Engineers				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B1W32	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-19	S: 2/8/2005	10:30		-
B1W33	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-01	S: 2/7/2005	13:45		Rinsate
B1W34	Ground Water	/G	VOA (21)	(HCL) (2)	TB-01	S: 2/7/2005	8:00		Trip Blank
B1W35	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-02	S: 2/8/2005	13:30		Rinsate

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
VOA = CLP TCL Volatiles			

TR Number: 2-525300610-020805-0001

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33838
DAS No:	
SDG No:	L

		Chain of Custody Record		Sampler Signature:		For Lab Use Only	
Date Shipped:	2/9/2005	Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Contract No:	
Carrier Name:	FedEx	1	2/9/05 1700	Fedex	2/9/05 1700	Unit Price:	
Airbill:	790421953760	2				Transfer To:	
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	3				Lab Contract No:	
		4				Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B1W12	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-26	S: 2/9/2005	9:30		
B1W14	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-29	S: 2/9/2005	11:10		
B1W20	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-11D	S: 2/9/2005	11:30		
B1W21	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-02	S: 2/9/2005	15:50		
B1W23	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-11	S: 2/9/2005	9:30		
B1W26	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-15	S: 2/9/2005	14:00		
B1W27	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-16	S: 2/9/2005	15:15		
B1W30	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-18	S: 2/9/2005	14:20		
B1W36	Ground Water	L/G	VOA (21)	(HCL) (2)	TB-02	S: 2/9/2005	8:00		
B1W37	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-03	S: 2/9/2005	9:15		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___	Shipment Iced? ___
VOA = CLP TCL Volatiles					

TR Number: 2-525300610-020905-0002

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33838
DAS No:
R

Region:	2	**Date Shipped:**	2/9/2005	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	790421953760	1 2/9/05 1700	FedEx 2/9/05 1700
CERCLIS ID:	NYD047650197	**Shipped to:**	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	2	
Spill ID:				3	
Site Name/State:	Stanton Cleaners Site/NY			4	
Project Leader:	JOHN HUISMAN				
Action:	Operations and Maintenance				
Sampling Co:	U.S. Corps. of Engineers				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B1W12	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-26	S: 2/9/2005	9:30		--
B1W14	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-29	S: 2/9/2005	11:10		--
B1W20	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-11D	S: 2/9/2005	11:30		--
B1W21	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-02	S: 2/9/2005	15:50		--
B1W23	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-11	S: 2/9/2005	9:30		--
B1W26	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-15	S: 2/9/2005	14:00		--
B1W27	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-16	S: 2/9/2005	15:15		--
B1W30	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-18	S: 2/9/2005	14:20		--
B1W36	Ground Water	L/G	VOA (21)	(HCL) (2)	TB-02	S: 2/9/2005	8:00		Trip Blank
B1W37	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-03	S: 2/9/2005	9:15		Rinsate

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?**
VOA = CLP TCL Volatiles			

TR Number: 2-525300610-020905-0002

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REGION COPY

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33838
DAS No:	
SDG No:	L

Date Shipped:	2/10/2005
Carrier Name:	FedEx
Airbill:	792202877711
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	John Huisman	2/10/05 / 1630	Fedex	2/10/05 / 1630
2				
3				
4				

Sampler Signature: John Huisman

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B1W09	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-21	S: 2/10/2005	15:30		
B1W10	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-21D	S: 2/10/2005	15:30		
B1W13	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-27	S: 2/10/2005	14:15		
B1W22	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-06	S: 2/10/2005	10:30		
B1W25	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-14	S: 2/10/2005	11:30		
B1W28	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-17	S: 2/10/2005	11:00		
B1W29	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-17D	S: 2/10/2005	11:00		
B1W31	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-20	S: 2/10/2005	14:00		
B1W38	Ground Water	L/G	VOA (21)	(HCL) (2)	TB-03	S: 2/10/2005	8:00		
B1W39	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-04	S: 2/10/2005	9:00		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ___	Shipment Iced? ___

VOA = CLP TCL Volatiles

TR Number: 2-525300610-021005-0001

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33838 **R**
DAS No:

Region:	2	**Date Shipped:**	2/10/2005
Project Code:		**Carrier Name:**	FedEx
Account Code:		**Airbill:**	792202877711
CERCLIS ID:	NYD047650197	**Shipped to:**	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277
Spill ID:			
Site Name/State:	Stanton Cleaners Site/NY		
Project Leader:	JOHN HUISMAN		
Action:	Operations and Maintenance		
Sampling Co:	U.S. Corps. of Engineers		

Chain of Custody Record

Sampler Signature: John Huisman

	Relinquished By (Date / Time)	Received By (Date / Time)
1	John Huisman 2/10/05 1630	Fedex 2/10/05 1630
2		
3		
4		

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B1W09	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-21	S: 2/10/2005	15:30		--
B1W10	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-21D	S: 2/10/2005	15:30		Field Duplicate
B1W13	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-27	S: 2/10/2005	14:15		--
B1W22	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-06	S: 2/10/2005	10:30		--
B1W25	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-14	S: 2/10/2005	11:30		--
B1W28	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-17	S: 2/10/2005	11:00		--
B1W29	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-17D	S: 2/10/2005	11:00		Field Duplicate
B1W31	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	ST-MW-20	S: 2/10/2005	14:00		--
B1W38	Ground Water	L/G	VOA (21)	(HCL) (2)	TB-03	S: 2/10/2005	8:00		Trip Blank
B1W39	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-04	S: 2/10/2005	9:00		Rinsate

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____
VOA = CLP TCL Volatiles			

TR Number: 2-525300610-021005-0001

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33838
DAS No:	
SDG No:	L

Date Shipped:	2/11/2005
Carrier Name:	FedEx
Airbill:	791474604785
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

	Relinquished By (Date / Time)	Received By (Date / Time)
1	John Huisman 2/11/05 1200	Fedex 2/11/05 1200
2		
3		
4		

Sampler Signature: John Huisman

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B1W11	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-23	S: 2/11/2005	9:30		
B1W40	Ground Water	L/G	VOA (21)	(HCL) (2)	TB-04	S: 2/11/2005	8:00		
B1W41	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-05	S: 2/11/2005	9:00		

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

VOA = CLP TCL Volatiles

TR Number: 2-525300610-021105-0001

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33838 **R**
DAS No:

Region:	2
Project Code:	
Account Code:	
CERCLIS ID:	NYD047650197
Spill ID:	
Site Name/State:	Stanton Cleaners Site/NY
Project Leader:	JOHN HUISMAN
Action:	Operations and Maintenance
Sampling Co:	U.S. Corps. of Engineers

Date Shipped:	2/11/2005
Carrier Name:	FedEx
Airbill:	791474604785
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 John Huisman	2/11/05 1120	FedEx	2/11/05 1200
2			
3			
4			

Sampler Signature: John Huisman

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
B1W11	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EPA-MW-23	S: 2/11/2005 9:30		–
B1W40	Ground Water	L/G	VOA (21)	(HCL) (2)	TB-04	S: 2/11/2005 8:00		Trip Blank
B1W41	Ground Water/ JOHN HUISMAN	L/G	VOA (21)	(HCL) (3)	EB-05	S: 2/11/2005 9:00		Rinsate

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

VOA = CLP TCL Volatiles

TR Number: 2-525300610-021105-0001

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Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

ATTACHMENT C

FEDEX AIRBILLS

From: Origin ID: (516)466-4960
John Huisman
EARTH TECH, INC
7870 VILLA PARK DRIVE
SUITE 400
RICHMOND, VA 23228

Ship Date: 08FEB05
Actual Wgt: 30 LB
System#: 3909298/INET2000
Account#: S *********

REF: 5442001

Delivery Address Bar Code

SHIP TO: (281)292-5277 BILL THIRD PARTY
Eleana Cruz
A4 Scientific
1544 Sawdust Road
Suite 505
The Woodlands, TX 77380

PRIORITY OVERNIGHT **WED**
Deliver By
09FEB05

TRK# 7914 7114 9376 FORM 0201

IAH A1

77380 -TX-US

XH CXOA

Shipping Label: Your shipment is complete

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From: Origin ID: (516)466-4960
John Hussman
EARTH TECH, INC
7870 VILLA PARK DRIVE
SUITE 400
RICHMOND, VA 23228

Ship Date: 09FEB05
Actual Wgt: 30 LB
System#: 3909298/INET2000
Account#: S *********

REF: 5442.001

Delivery Address Bar Code

SHIP TO: (281)292-5277 BILL THIRD PARTY
Eleana Cruz
A4 Scientific
1544 Sawdust Road
Suite 505
The Woodlands, TX 77380

PRIORITY OVERNIGHT

THU
Deliver By:
10FEB05

TRK# 7904 2195 3760 FORM 0201

IAH A1

77380 -TX-US

XH CXOA

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From: Origin ID: (516)466-4960
John Huisman
EARTH TECH, INC
7870 VILLA PARK DRIVE
SUITE 400
RICHMOND, VA 23228

Ship Date: 10FEB05
Actual Wgt: 25 LB
System#: 3909298/INET2000
Account#: S *********

REF: 5442.001

Delivery Address Bar Code

SHIP TO: (281)292-5277 BILL THIRD PARTY
Eleana Cruz
A4 Scientific
1544 Sawdust Road
Suite 505
The Woodlands, TX 77380

PRIORITY OVERNIGHT **FRI**
Deliver By:
11FEB05

TRK# 7922 0287 7711 FORM 0201

IAH A1

77380 -TX-US

XH CXOA

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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

From: Origin ID: (516)466-4960
John Huisman
EARTH TECH, INC
7870 VILLA PARK DRIVE
SUITE 400
RICHMOND, VA 23228

FedEx Express

Ship Date: 11FEB05
Actual Wgt: 10 LB
System#: 3909298/INET2000
Account#: S *********

REF: 5442.001

Delivery Address Bar Code

SHIP TO: (281)292-5277 BILL THIRD PARTY
Eleana Cruz
A4 Scientific
1544 Sawdust Road
Suite 505
The Woodlands, TX 77380

PRIORITY SATURDAY

TRK# 7914 7460 4785 FORM 0201

Deliver By:
12FEB05

IAH A1

77380 -TX-US

X0 CXOA

Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Appendix E
Groundwater Treatment System Raw and Treated Groundwater Analytical Data

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Influent	SC-01	B0001	10/27/2003	MTBE	2	J
				cis-1,2-Dichloroethene	2	J
				Trichloroethene (TCE)	3	J
				Toluene	3	J
				Tetrachloroethene	350 (D)	
Effluent	SC-04	B0002	10/27/2003	None		
Trip Blank	SC-TB	B0003	10/27/2003	Acetone	61	J
				Methylene chloride	2	J
Influent	SC-01	B0177	11/12/2003	Tetrachloroethene (PCE)	240	
				Chlorodifluoromethane	8.6	NJ
				1,2-Dichloroethene	3.3	NJ
Effluent	SC-04	B0178	11/12/2003	Chlorodifluoromethane	22	NJ
Influent Dup	SC-60	B0179	11/12/2003	Tetrachloroethene	250	
				Chlorodifluoromethane	29	NJ
				1,2-Dichloroethene	3.4	NJ
Trip Blank	SC-TB	B0180	11/12/2003	Tetrachloroethene	9.4	
				Chlorodifluoromethane	4.3	NJ
Influent	SC-01	B17J3	12/10/2003	Tetrachloroethene	290 (D)	
				cis-1,2-Dichloroethene	2	J
				Trichloroethene	3	J
Effluent	SC-04	B17J4	12/10/2003	None		
Influent Dup	SC-61	B17J5	12/10/2003	Tetrachloroethene	280 (D)	
				cis-1,2-Dichloroethene	2	J
				Trichloroethene	3	J
Trip Blank	SC-TB	B17J6	12/10/2003	MTBE	5	J
				Toluene	2	J
				Ethylbenzene	2	J
Influent	SC-01	B1000	1/12/2004	MTBE	2.7	
				cis-1,2-Dichloroethene	1.5	
				Trichloroethene	2.5	
				Tetrachloroethene	280	
Effluent	SC-04	B1001	1/12/2004	None		
Influent Dup	SC-62	B1002	1/12/2004	MTBE	2.6	
				cis-1,2-Dichloroethene	1.5	
				Trichloroethene	2.5	
				Tetrachloroethene	300	
Trip Blank	SC-TB	B1003	1/12/2004	Methylene chloride	0.6	K
				MTBE	3.7	
				Tetrachloroethene	7.9	
				m&p-Xylene	0.7	
Influent	SC-01	B17Z0	2/12/2004	*cis*-1,2-Dichloroethene	1.7	
				Trichloroethene	3.0	
				Tetrachloroethene	610 (D)	
				Unknown TIC	0.53	J
Effluent	SC-04	B17Z1	2/12/2004	Acetone	3.8	J
Influent Dup	SC-63	B17Z2	2/12/2004	Acetone	25	J
				cis-1,2-Dichloroethene	1.7	
				Trichloroethene	2.8	
				Tetrachloroethene	440 (D)	

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Trip Blank	SC-TB	B17Z3	2/12/2004	Methylene chloride	0.16	J
				MTBE	4.7	
				Chloroform	0.26	J
				Tetrachloroethene	7.1	
				Xylene (total)	0.56	
				1,3-Dichlorobenzene	0.40	J
				1,4-Dichlorobenzene	0.38	J
				Unknown TIC	0.58	J
				Benzene, 1-ethyl-3-methyl-	0.72	JN
Influent	SC-01	B17Z6	3/10/2004	MTBE	2.7	
				cis-1,2-Dichloroethene	1.2	
				Trichloroethene	2.3	
				Tetrachloroethene	260	
Effluent	SC-04	B17Z7	3/10/2004	Tetrachloroethene	0.70	
Influent Dup	SC-64	B17Z8	3/10/2004	MTBE	2.8	
				cis-1,2-Dichloroethene	1.2	
				Trichloroethene	2.3	
				Tetrachloroethene	260	
Trip Blank	SC-TB	B17Z9	3/10/2004	Acetone	1.8	
				Toluene	0.50	
				Isobutane	41	NJ
Influent	SC-01	B1BS2	4/14/2004	MTBE	1.9	
				cis-1,2-Dichloroethene	0.83	
				Trichloroethene	1.5	
				Tetrachloroethene	380 (D)	
Effluent	SC-04	B1BS3	4/14/2004	Tetrachloroethene	1.9	
Influent Dup	SC-65	B1BS4	4/14/2004	Acetone	1.2	J
				MTBE	1.5	
				cis-1,2-Dichloroethene	0.67	J
				Trichloroethene	1.1	
				Tetrachloroethene	260 (D)	
Trip Blank	SC-TB	B1BS5	4/14/2004	Methylene chloride	0.17	J
				Chloroform	2.8	
				Bromodichloromethane	0.80	
Influent	SC-01	B1BS6	5/20/2004	MTBE	2.1	
				cis-1,2-Dichloroethene	1.0	
				Trichloroethene	1.8	
				Tetrachloroethene	190	
Effluent	SC-04	B1BS7	5/20/2004	Acetone	1.2	
Influent Dup	SC-66	B1BS8	5/20/2004	Acetone	0	
				MTBE	2.1	
				cis-1,2-Dichloroethene	0.9	
				Trichloroethene	1.6	
				Tetrachloroethene	200	
Trip Blank	SC-TB	B1BS9	5/20/2004	Acetone	1	
				Chloroform	0	
				Bromodichloromethane	0	
Influent	SC-01	B1BS6	6/15/2004	Carbon Disulfide	1.1	
				MTBE	2.7	
				cis-1,2-Dichloroethene	1.3	
				Trichloroethene	2.4	
				Tetrachloroethene	320	
Effluent	SC-04	B1BS7	6/15/2004	Tetrachloroethene	2.1	
				MTBE	2.3	

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Influent Dup	SC-67	B1BS8	6/15/2004	*cis*-1,2-Dichloroethene	1.2	
				Trichloroethene	2.2	
				Tetrachloroethene	330	
Trip Blank	SC-TB	B1BS9	6/15/2004	None		
Influent	SC-01	B1FJ2	7/13/2004	Acetone	0.8	
				MTBE	2.3	
				cis-1,2-Dichloroethene	1.1	
				Trichloroethene	1.7	
				Tetrachloroethene	170	
Effluent	SC-04	B1FJ3	7/13/2004	Acetone	0.72	
				Tetrachloroethene	2	
Influent Dup	SC-67	B1FJ4	7/13/2004	MTBE	2.4	
				cis-1,2-Dichloroethene	1.1	
				Trichloroethene	1.8	
				Tetrachloroethene	160	
Trip Blank	SC-TB	B1FJ5	7/13/2004	Acetone	0.73	
				Acetic Acid, Ethyl Ester	2.5	NJ
Influent	SC-01	B1GH2	8/16/2004	MTBE	1.9	
				cis-1,2-Dichloroethene	0.7	
				Trichloroethene	1.5	
				Tetrachloroethene	200	
				Acetone	2	
Effluent	SC-04	B1GH3	8/16/2004	Tetrachloroethene	5.4	
				Acetone	1.6	
Influent Dup	SC-69	B1GH4	8/16/2004	Acetone	1.2	
				MTBE	2	
				cis-1,2-Dichloroethene	0.7	
				Trichloroethene	1.5	
				Tetrachloroethene	210	
Influent	SC-01			Chloromethane	0.80	
				Acetone	1.0	
				MTBE	1.5	
				cis-1,2-Dichloroethene	0.70	
				Trichloroethene	1.4	
				Tetrachloroethene	200	
Effluent	SC-04			Chloromethane	0.80	
				Acetone	2.1	
				Tetrachloroethene	1.7	
Influent Dup	SC-70			Acetone	1.0	
				MTBE	1.3	
				cis-1,2-Dichloroethene	0.60	
				Trichloroethene	1.4	
				Tetrachloroethene	210	
Trip Blank	SC-TB			Acetone	2.2	
				2-Butanone	1.5	
Influent	SC-01	B1LZ2	10/21/2004	Acetone	5	J
				Methylene chloride	0.2	J
				MTBE	0.82	
				cis-1,2-Dichloroethene	0.5	
				Trichloroethene	1.2	
				Tetrachloroethene	220	
Effluent	SC-04	B1LZ3	10/21/2004	Acetone	5	J
				Methylene chloride	0.5	UJ
				Tetrachloroethene	0.2	J
				Acetone	5	J

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
Influent Dup	SC-71	B1LZ4	10/21/2004	Methylene chloride	1.1	
				MTBE	1.1	
				cis-1,2-Dichloroethene	0.64	
				Trichloroethene	1.1	
				Tetrachloroethene	210	(D)
Trip Blank	SC-TB	B1LZ5	10/21/2004	Acetone	5.7	
				Methylene chloride	0.68	
				Toluene	0.39	J
Influent	SC-01	B1T22	11/17/2004	Acetone	3	J
				Methylene chloride	1.3	U
				MTBE	1.3	
				cis-1,2-Dichloroethene	0.64	
				Trichloroethene	1.2	
				Tetrachloroethene	170	(D)
Effluent	SC-04	B1T23	11/17/2004	Methyl Acetate	0.5	UJ
				Methylene chloride	0.5	U
Influent Dup	SC-72	B1T24	11/17/2004	Methylene chloride	0.85	U
				MTBE	1.3	
				cis-1,2-Dichloroethene	0.5	
				Trichloroethene	0.83	
				Tetrachloroethene	160	(D)
Trip Blank	SC-TB	B1T25	11/17/2004	Acetone	3	J
				Methyl Acetate	0.5	UJ
				Methylene chloride	0.46	J
				2-Butanone	2.4	J
				Tetrachloroethene	9.6	
				1,2,3-Trichlorobenzene	0.5	UJ
Influent	SC-01	B1T79	12/15/2004	MTBE	1.6	
				cis-1,2-Dichloroethene	0.45	J
				Trichloroethene (TCE)	1.0	J
				Tetrachloroethene	100	(D)
				Methylcyclohexane	1	UJ
				Bromomethane	1	UJ
				Bromodichloromethane	1	UJ
				Chloromethane	1	UJ
				1,2-Dichloroethene	1	UJ
				1,2-Dichloropropane	1	UJ
				2-Hexanone	10	R
				4-Methyl-2-pentanone	10	R
Effluent	SC-04	B1T81	12/15/2004	Benzene	0.5	JB
				1,2,4-Trichlorobenzene	0.5	JB
				1,2,3-Trichlorobenzene	0.5	JB
Influent Dup	SC-73	B1T80	12/15/2004	Methyl tert-Butyl Ether	1.6	
				cis-1,2-Dichloroethene	0.48	J
				Trichloroethene	0.98	J
				4-Methyl-2-pentanone	10	R
				Tetrachloroethene	98	(D)
				2-Hexanone	10	R
Trip Blank	SC-TB	B1T82	12/15/2004	Chloroform	0.1	J
				Cyclohexane	0.15	J
				Benzene	0.5	JB
				Toluene	0.21	J
Influent	SC-01	B1W00	1/21/2005	MTBE	1.5	
				cis-1,2-Dichloroethene	0.7	
				Trichloroethene (TCE)	1.4	

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**
				Tetrachloroethene	160	
Effluent	SC-04	B1W02	1/21/2005	Acetone	1.8	
Influent Dup	SC-74	B1W01	1/21/2005	Methyl tert-Butyl Ether	1.4	
				cis-1,2-Dichloroethene	0.7	
				Trichloroethene	1.4	
				Tetrachloroethene	150	
				Acetone	10	
Trip Blank	SC-TB	B1W03	1/21/2005	Acetone	3.5	
Influent	SC-01	AG00197	2/3/2005	MTBE	1.4	
				cis-1,2-Dichloroethene	0.5	
				Trichloroethene (TCE)	1.1	
				Tetrachloroethene	140	
Effluent	SC-04	AG00198	2/3/2005	Acetone	1.2	
Influent Dup	SC-75	AG00199	2/3/2005	Methyl tert-Butyl Ether	1.5	
				cis-1,2-Dichloroethene	0.54	
				Trichloroethene	1.1	
				Tetrachloroethene	140	
				Acetone	1.1	
Trip Blank	SC-TB	AG00200	2/3/2005	Acetone	4.3	
				4-Methyl-2-pentanone	1.2	

Notes:

* = Unless otherwise noted, samples collected from ECC ID SC-04 were used as the matrix spike / matrix spike duplicate sample.

** = Data validation was performed by EPA Region II. ECC carried over assigned qualifers and did not perform a separate review or validation of the data.

(D) = Detection from a dilution of the sample.

J = qualified as estimated

JN = Presumptive evidence for the presence of the material at an estimated value.

K = The reported value may be biased high.

µg/L = micrograms per liter

MTBE = Tert-butyl-methyl-ether

NJ = TIC. The reported value is estimated.

TIC = Tentatively Identified Compound.

Appendix F
Soil Vapor Extraction and Pump and Treat System Bi-weekly Air Monitoring Logs

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
Soil-Vapor Extraction and Pump and Treat System
Bi-Weekly Air Monitoring Log

Date: 2/ 9 / 2005
Project # 70536

	MultiRAE Plus PGM-50					VelociCalc Plus				
	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pre.	%RH	Dew pt.	Flow
Influent SVE	3.9	0	21.00%	0%	0	99.8	NA	42.33%	-4.44	120
Post Air Stripper	0.0	0	20.90%	0%	0	63.2	NA	42.32%	-4.43	2000
Post SVE Carbon	0.7	0	21.00%	0%	0	80.9	NA	42.31%	-4.44	NA
Post AS Carbon	0.0	0	20.90%	0%	0	80.3	NA	42.35%	-4.45	2200
Background	0.0	0	20.90%	0%	0	45.2	NA	46.30%	-6.77	NA

Total gallons pumped: 86,919,401 gallons
Flow Rate: 52 gpm

Equipment calibrated by: J. Huisman
Air sample collected by: J. Huisman
Air sample readings performed by: J. Huisman

Comments:
New SVE well EPA-EXT-04 online since 11/4/04
EPA-EXT-04 PID Reading = 2.0 ppm

VOC: Volatile Organic Compounds
CO: Carbon Monoxide
LEL: Lower Explosive Limit
ppm: parts per million
temperature: measured in degrees Farenheit
pressure: measured in inches of water (in/H2O), inches of mercury (in/Hg), or pounds per square inch (psi).
Flow: measured in cubic feet per minute (cfm)
%RH: relative humidity
Dew Pt.: dew point in degrees Farenheit
AS: Air Stripper
SVE: Soil Vapor Extraction System

STANTON CLEANERS AREA GROUNDWATER
CONTAMINATION SITE
Soil-Vapor Extraction and Pump and Treat System
Bi-Weekly Air Monitoring Log

Date: 2/ 23 / 2005
Project # 70536

	MultiRAE Plus PGM-50					VelociCalc Plus				
	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pre.	%RH	Dew pt.	Flow
Influent SVE	3.5	0	21.00%	0%	0	101.2	NA	42.00%	-4.14	120
Post Air Stripper	0.0	0	20.90%	0%	0	66.1	NA	43.00%	-4.17	2000
Post SVE Carbon	0.7	0	21.00%	0%	0	81.2	NA	43.11%	-4.15	NA
Post AS Carbon	0.0	0	20.90%	0%	0	81.1	NA	44.21%	-4.12	2200
Background	0.0	0	20.90%	0%	0	45.2	NA	45.55%	-5.65	NA

Total gallons pumped: 87,991,321 gallons
Flow Rate: 56 gpm

Equipment calibrated by: J. Huisman
Air sample collected by: J. Huisman
Air sample readings performed by: J. Huisman

Comments:
New SVE well EPA-EXT-04 online since 11/4/04
EPA-EXT-04 PID Reading = 2.0 ppm

VOC: Volatile Organic Compounds
CO: Carbon Monoxide
LEL: Lower Explosive Limit
ppm: parts per million
temperature: measured in degrees Farenheit
pressure: measured in inches of water (in/H2O), inches of mercury (in/Hg), or pounds per square inch (psi).
Flow: measured in cubic feet per minute (cfm)
%RH: relative humidity
Dew Pt.: dew point in degrees Farenheit
AS: Air Stripper
SVE: Soil Vapor Extraction System

Appendix G

Quarterly Groundwater Sampling Analytical Data

To be provided with quarterly QCSR

Appendix H

Historical Groundwater Level Monitoring Results (Ongoing)

EARTH TECH

A Tyco Infrastructure Services Company

WATER LEVEL DATA SUMMARY

PROJECT:	Stanton Cleaners	JOB NUMBER:	70536
LOCATION:	Great Neck, NY	DATE:	2/7/2005
CLIENT:	USACE / US EPA	MEASURED BY:	J. Huisman
SURVEY DATUM:	ft msl		R. Reynolds T. Platting
MEASURING DEVICE:	Slope Indicator Co. Water Level Indicator		

WELL NUMBER	TIME (Military)	MEASURING POINT		DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	COMMENTS
		Description	Elevation (FT)			
CL-1D	11:00	ft BTOC	27.63	15.53	12.10	Bolts not long enough
CL-1S	11:04	ft BTOC	27.68	12.72	14.96	Bolts not long enough
CL-3	11:06	ft BTOC	25.03	9.15	15.88	
CL-4D	11:10	ft BTOC	20.30	17.63	2.67	missing bolts, no cap on well
CL-4S	11:13	ft BTOC	20.56	4.80	15.76	
EPA-MW-11D	11:25	ft BTOC	74.63	57.63	17.00	missing 1 bolt
EPA-MW-21	10:55	ft BTOC	84.13	65.80	18.33	missing 1 bolt
EPA-MW-22	11:30	ft BTOC	82.20	65.32	16.88	
EPA-MW-23	11:36	ft BTOC	82.83	64.44	18.39	
EPA-MW-25	8:05	ft BTOC	73.24	55.12	18.12	
EPA-MW-26	13:00	ft BTOC	78.37	59.60	18.77	no bolts
EPA-MW-27	14:39	ft BTOC	69.32	50.85	18.47	no bolts
EPA-MW-29	12:00	ft BTOC	31.06	12.56	18.50	
EPA-MW-30	15:00	ft BTOC	25.45	DNE	DNE	Paved Over
EPA-MW-31	15:10	ft BTOC	51.46	30.26	21.20	missing cover and bolts
EPA-MW-32	15:32	ft BTOC	53.39	30.60	22.79	retro fit with new cover
EPA-MW-33	15:23	ft BTOC	68.75	44.75	24.00	broken cover andbolts missing
EPA-MW-9A	11:17	ft BTOC	80.24	63.55	16.69	
ST-MW-02	17:03	ft BTOC	82.03	63.90	18.13	
ST-MW-06	17:15	ft BTOC	69.83	47.32	22.51	
ST-MW-11	14:17	ft BTOC	75.25	58.64	16.61	no bolts
ST-MW-12	16:33	ft BTOC	87.20	70.45	16.75	missing 1 bolt
ST-MW-13	16:29	ft BTOC	103.94	86.43	17.51	bolts not long enough
ST-MW-14	14:08	ft BTOC	69.73	50.15	19.58	no bolts
ST-MW-15	16:05	ft BTOC	90.13	73.22	16.91	no bolts
ST-MW-16	12:20	ft BTOC	75.78	55.15	20.63	no bolts
ST-MW-17	16:30	ft BTOC	86.53	70.75	15.78	no bolts
ST-MW-18	16:55	ft BTOC	84.40	65.89	18.51	no bolts
ST-MW-20	16:42	ft BTOC	84.53	65.09	19.44	no bolts

Appendix I

Indoor Air Quality Analytical Data

Not applicable for this month.

Appendix J

Action List Dated February 2005

EARTH TECH

A Tyco Infrastructure Services Company

February 2005 ACTION LIST SUMMARY

PROJECT:	Stanton Cleaners	JOB NUMBER:	70536
LOCATION:	Great Neck, NY	DATE:	February-05
CLIENT:	USACE / USEPA		

COMPLETED ITEMS	DATE PERFORMED
Item #1 - Installed new groundwater extraction well.	2/22/2005
Item #2 - Replaced HVAC carbon filters at the Long Island hebrew academy	2/23/2005

OUTSTANDING ITEMS / RECOMMENDED SOLUTION
Item A - Monitoring wells need repair / New bolts, well caps, and locks need to be ordered to repair existing monitoring wells.
Item B - New monitoring well needs to be developed and piped into the treatment system.