

Monthly Operations and Monitoring Report June 2007

Site:

Stanton Cleaners Area Groundwater Contamination
Great Neck, NY

Prepared for:

Environmental Chemical Corporation
1125 Route 22 West
Bridgewater, New Jersey 08807

Prepared by:

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July 30, 2007

Earth Tech Project No. 70536

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1.0 INTRODUCTION

This Monthly Operations and Monitoring Report, June 2007 (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 Water Authority of Great Neck North (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 Volatile Organic Compound (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 United States Environmental Protection Agency (USEPA), Region II; United States Army Corps of Engineers (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 GWT system and SVE system, 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; and,
- 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 (Revised February 3, 2003); 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 June 1 and June 30, 2007.

2.0 SUMMARY OF ACTIVITIES DURING ARIL 2007

The following list summarizes activities performed and milestone dates under this contract during the reporting period, June 1 and June 30, 2007:

- June 13 – Aqueous phase 400-lb carbon vessel repaired and back on-line;
- June 13 - Bi-weekly Air Monitoring;
- June 13 - Bi-weekly O & M inspection;
- June 13 - Monthly GWT System sampling;
- June 13 - Monthly GW Monitoring Well water level measurements;
- June 26 - PLC computer hard drive cleaned and defragmented;
- June 26 - Bi-weekly O&M Inspection; and,
- June 26 - Bi-weekly Air Monitoring.

Details of system shutdowns and alarms during the month of June 2007 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 GWT system treated and discharged 1,837,099.7 gallons during the month of June 2007. The system was operational (recovery well pumps running) for approximately 664 of the 720 hours during the month, for an average operating flow of 46.1 gallons per minute (gpm). The system has treated a total of 151,249,589.4 gallons since the plant startup in October 2001.

There are currently two recovery wells pumping water into the system (EPA-EXT-02 and EPA-MW-24). EPA-EXT-02 is located in the triangle, the corner of New Cutter Mill Road and Mirrielees Road. Extraction well MW-24 had been pumping from the triangle location until it was turned off and April 20, 2005. Extraction well EPA-EXT-4R was activated on April 20, 2005. EPA-EXT-4R is located in the parking lot directly in front of the Stanton Dry Cleaners building. The decision to turn off extraction well MW-24 and replace it with EPA-EXT-4R in April 2005 was made by the USEPA. Later, in early 2006, based on an evaluation of laboratory analytical results obtained from extraction well EPA-EXT-4R and monitoring well sampling results for monitoring wells located in the area of EPA-MW-24, the decision was made to shut down extraction well EPA-EXT-4R and re-activate EPA-MW-24. Therefore, EPA-EXT-4R was taken offline and EPA-MW-24 was activated on February 2, 2006.

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 was completed during the O&M inspection events for June 13 and 26, 2007 and is 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 (Russell Kolacek). If he requires guidance or notes any serious conditions, the inspector notifies the Project Manager (Francisco Metcalf). The checklists are completed on site and sent to Project 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 programmable logic controller (PLC). This data is downloaded every two weeks. The June 2007 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.

A review of October 2005 Operations and Maintenance logs indicated there has been a slight reduction in discharge flow for the GWT system. In an effort to increase the discharge flow, it was determined that the GWT system aqueous phase carbon vessels needed to be placed in parallel in the system treatment train in an effort to reduce back pressure and increase effluent flow. The altering of the piping for the 2-400 pound aqueous phase carbon vessels from series to parallel was performed on November 1, and 2, 2005.

On November 30, 2005 the SVE systems was offline due to a faulty low level sensor in the SVE knockout tank. The sensor was reviewed during the December 19, 2005 O&M inspection and was deemed to be faulty. A new low-level float switch was installed on January 9, 2006.

On January 9, 2006, three drains were installed in the line of SVE 1 so that the line can be drained weekly and so adequate air flow can be obtained at the SVE 1 air sample ports for the bi weekly air monitoring. On January 24, 2006 the drains were replaced with more permanent ball valve drains.

On December 12, 2006 PLC analog cards in positions 2, 3, and 5 were replaced. The replacement of these analog cards fixed the erroneous communication between ph/conductivity meters and the PLC display panel (as described in the November 2006 O & M Report).

On February 7, 2007, the GWT system was shut down due to influent pipeline freezing. Heat tape was installed around the pipe to prevent future freezing and the system was restarted on February 20, 2007.

In March 2007 the GWT System was shut down due to wet floor alarms triggered by water leaking from one of the 400-lb aqueous phase carbon vessels. The damaged aqueous phase carbon vessel has been taken offline for maintenance. The GWT System continues to operate with just one 400-lb aqueous phase carbon vessel at a reduce flow (influent at 38 GPM and effluent at 66 GPM).

On April 19, 2007, the activated carbon was changed out in the aqueous carbon vessels in the treatment system.

On June 13, 2007 a 400-lb aqueous phase activated carbon vessel was repaired and placed back on-line. The GWT system had been operating with just one aqueous phase carbon vessel and at reduced flow until repairs on the other vessel could be made. Once repairs had been completed and both vessels were operational, the GWT system flow was restored to its original rate.

3.2 Sampling and Analysis

3.2.1 Raw and Treated Groundwater

In accordance with the SQAPP, GWT system 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 do not exceed the National Pollutant Discharge Elimination System (NPDES) permit equivalency. The combined GWT system influent, along with the GWT system effluent (discharge), will be sampled by the 15th of each month. Collected samples will be shipped to a designated USEPA, contract laboratory program (CLP) lab for analysis of target compound list (TCL) volatile organic compounds.

Earth Tech personnel conducted the GWT system influent and effluent sampling for this report period on June 13, 2007. The samples were shipped to the USEPA Region II Division of Environmental Science and Assessment (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 air bill is included in Appendix D. Laboratory analytical results for the GWT system 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 GWT system PLC on a daily basis; this information is included with the downloaded data in Appendix C.

The next GWT system influent/effluent sampling event is scheduled for July 25, 2007.

3.2.2 Process Air Stream Monitoring

Air monitoring of the SVE and GWT System is performed on a bi-weekly basis. It includes monitoring for VOCs, carbon monoxide, oxygen, lower explosive limit (LEL), hydrogen sulfide, air velocity in cubic feet per minute (CFM), temperature, relative humidity, dew point, and vacuum pressure 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);
- Sub-slab monitoring points (pre-treatment); and,
- SVE wells EPA-SVE-1 through EPA-SVE-4 (Shallow and Medium depth).

The bi-weekly air monitoring of the SVE and GWT System was performed on June 13 and 26, 2007. Copies of the bi-weekly air monitoring logs are included in Appendix F. The next bi-weekly air-monitoring event is scheduled for July 10, 2007. A summary of estimated PCE recovery rate based on air monitoring results is presented in Table 3.

On October 3, 2005, following a review of the REAC SVE System Air Sampling Results for the event performed on July 7, 2005, the active SVE recovery wells were modified in an effort to maximize contaminant recovery rates. Details of the modifications to the active SVE wells prior to and post October 3, 2005 are included in the table below.

Table 1 Modification to Active SVE Wells

SVE 1	Shallow On	Shallow and Intermediate On
SVE 2	Shallow On	Shallow On
SVE 3	Shallow On	Shallow On
SVE 4	Off	Off
EPA-SVE-4R	On	On
SSA	On	On
SSB-A	On	On
SSB-B	On	Off
SSB-C	On	On
L1	On	On

L2	On	Off
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In addition to modifying the active SVE locations, the names of each location were altered in an effort to stay consistent with the USEPA Response Engineering and Analytical Contractor's (REAC) nomenclature. Future weekly monitoring logs will be consistent REACs sample numbers. The laboratory analytical results for REAC's sampling of the SVE locations, performed on July 7, 2005 are included in the Figure 1.

Additional evaluation/enhancement of the SVE recovery rates is ongoing and the installation of several SVE sample port locations was performed on November 1 and 2, 2005. On January 9, 2006, two more SVE sample port locations were installed in the line of SVE 3.

4.0 MONITORING WELL SAMPLING

Initially, groundwater sampling from select monitoring wells, both on and off-site, were 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 standard operating procedure (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 USEPA, USACE, and ECC.

In 2005 and at the direction of the USEPA, groundwater sampling frequency was revised. It was decided to switch the frequency to semi-annually. 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 air bills is included in Appendix D.

The second semi-annual groundwater sampling event was performed the week of August 29, 2005. It included sampling 29 monitoring wells, 15 of which had natural attenuation parameter analyses. Laboratory analytical results for this semi-annual groundwater sampling event were sent directly to ECC under separate cover from the laboratory.

The third semi-annual groundwater sampling event was performed the week of May 23, 2006. It included sampling sixteen (16) monitoring wells, nine (9) of which had natural attenuation parameter analyses. Laboratory analytical results for this semi-annual groundwater sampling event were sent directly to ECC under separate cover from the laboratory.

The fourth semi-annual groundwater sampling event took place the week of February 12, 2007. Below is a list of monitoring wells that were be sampled (per the USEPA Remedial Project Manager selection/request). Also below is a list of monitoring well samples that were further analyzed for monitoring and natural attenuation parameters. A copy of the semi-annual groundwater sampling event trip report was included in Appendix G of the February 2007 Monthly O&M Report.

The next groundwater monitoring well sampling event is scheduled for August 2007.

Table 2 Monitored Well Samples for Further Analysis

CL-ID	CL-ID
CL-4D	EPA-MW-21
EPA-MW-21	EPA-MW-26
EPA-MW-22	EPA-MW-27
EPA-MW-23	EPA-MW-29
EPA-MW-26	ST-MW-12
EPA-MW-27	ST-MW-17
EPA-MW-29	ST-MW-19
ST-MW-02	ST-MW-20
ST-MW-11	
ST-MW-12	

ST-MW-14
ST-MW-15
ST-MW-17
ST-MW-19
ST-MW-20

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 (Water Authority of Great Neck North) 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 on June 13, 2007 during the scheduled O&M visit. The location and number of monitoring wells was determined by the USEPA based on the site Capture Zone Analysis Plan. Groundwater level measurements for June 13, 2007 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 laboratory for analysis (as of May 2006 indoor air sampling is performed on a semi-annual basis). The location and number of indoor air quality samples to be collected as well as analytical parameters are determined by the USEPA, USACE and ECC.

Indoor air quality samples were collected on February 13 and February 14, 2007 by Earth Tech personnel. This sampling event was conducted to address air quality issues within the Long Island Hebrew Academy, the Silverstein Hebrew Academy, and the Stanton Cleaners Treatment Building. A copy of the Indoor Air Sampling Trip Report was included in Appendix I of the February 2007 Monthly O&M Report.

7.0 FUTURE EVENTS PLANNED

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

- Continue to perform GWT system 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; and,
- Obtain groundwater level measurements as directed by USACE/ECC/USEPA.

8.0 PROBLEM AREAS AND RECOMMENDED SOLUTIONS (OUTSTANDING ISSUES)

The altering of the piping for the 2-400 pound aqueous phase carbon vessels from series to parallel was performed in November 2005. A review of flow rates indicated the effluent flow has increased from approximately 60 gpm to 72 gpm following the change. 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.

Monthly O&M performed on November 29, 2005 indicated the low level float switch for the SVE system knockout tank was not functioning. Further inspection performed in December 2005 indicated a replacement was required. A replacement low level float switch was installed on January 9, 2006.

On December 28, 2006, one of the windows of the GWT system building was broken. An unidentified person threw a padlock and broke the window. The broken window was secured (using ply wood from the inside) and a contractor was scheduled to replace it with a new one. The window replacement will take place on the second week of January 2007.

On January 10, 2007, a pinhole sized leak was observed at the base of an air stripper. It appears to be caused by a corroded weld at the seam between the front and bottom of the air stripper. The leak is not affecting the floor sump pumps or systems operations at this point. Options are being explored for a repair.

On January 18, 2007, the broken window on the GWT system building was replaced.

On February 7, 2007, the GWT system was shut down due to influent pipeline freezing. Heat tape was installed around the influent pipe to prevent freezing and the system was restarted on February 20, 2007.

On February 20, 2007, it was noted that the SVE lines for SS-B(B) & SS-B(A) had broken due to the weight of the SVE line above it that had fallen onto it. Repairs to these lines are planned during the next trip to the site.

On March 28, 2007, the GWT System was shut down due to wet floor alarms triggered by water leaking from one of the 400-lb aqueous phase carbon vessels. The damaged aqueous phase carbon vessel has been taken offline for maintenance. The GWT System continues to operate with just one 400-lb aqueous phase carbon vessel at a reduce flow (influent at 38 GPM and effluent at 66 GPM). Maintenance on the leaking vessel will be performed to coincide with the next spent carbon change out (vessel needs to be empty in order to perform maintenance).

On April 4, 2007, a wet floor alarm shut down the GWT system. An O&M crew responded to the alarm to determine the source of the water setting off the wet floor alarm. It was determined that the water source was from leaking gasket in the air stripper trays. The necessary materials for a temporary fix were ordered for the next O&M visit.

On April 18, 2007, gasket sealant was applied, as a temporary measure, to the air stripper to address the leaks on the air stripper tray gaskets. It is recommended that the gaskets be replaced as a permanent measure to avoid future leaking of the air stripper.

On April 19, 2007, during the spent carbon change out event, it was observed that one of the aqueous phase carbon vessels had a crack on the influent piping portion, on the inside of the tank. The damaged aqueous phase carbon vessel was left off-line until replacement parts can be ordered. When restarting the

system, one of the floats in the air stripper was observed to be broken. That float was replaced with one from the SVE High-High poly tank. The GWT system was left on-line pumping at reduced flow (approximately 35 GPM).

On April 27, 2007, the GWT system was shut down due to a wet floor alarm. On May 2, 2007, O&M crew responded to the alarm to determine the source of the water setting off the wet floor alarm. It was determined that the water source was from rain water seeping in through the treatment system building wall where the influent lines come in. Silicone sealant was applied at the source of seepage and the GWT system was brought back on-line.

The GWT system influent/effluent water samples collected on April 20, 2007, were returned by the courier to the Earth Tech office due to leaking container. When the container was received, it was inspected to determine the source of the leak. It was determined that the container leaked from a broken corner most likely due to improper handling by the courier. Due to this, there will be no GWT system analytical data for the month of April 2007.

On May 11, 2007, the GWT system was shut down due to a wet floor alarm. On May 15, 2007, O&M crew responded to the alarm to determine the source of the water setting off the wet floor alarm. It was determined that the water source was from rain water seeping in through the treatment system building wall where the influent lines come in. Silicone sealant was applied at the source of seepage and the GWT system was brought back on-line. Should water continue to leak into the building at this location other alternatives to waterproof this area should be evaluated.

On June 4, 2007 the GWT system was shut down due to a wet floor alarm. Rain events producing a lot of water are causing water to leak through the wall and flood the wet floor alarm sump. The O&M crew responded to the alarm and the GWT system was operational on June 6, 2007. The wall joint to the floor slab in this area should be sealed from the outside to avoid rainwater from leaking into the treatment building in the future.

On June 13, 2007 a 400-lb aqueous phase activated carbon vessel was repaired and placed back on-line. The GWT system had been operating with just one aqueous phase carbon vessel and at reduced flow until repairs on the other vessel could be made. Once repairs had been completed and both vessels were operational, the GWT system flow was restored to its original rate.

Air monitoring data collected from different locations on the GWT system shows low VOC concentrations to no VOC present. It may be beneficial to place the SVE system on a pulse extraction mode to see if there is any rebound on the VOC concentration at the site.

Tables

**Estimated PCE Recovery Rates
Stanton Cleaners Area Groundwater Contamination Site
250 CFM SVE SYSTEM
September 2003 – June 2007**

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:

SVE system turned off from 8/24/2004 through 8/31/2004 during tennis court demolition activities.

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.

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

$$C_{air} (mg/m^3) = \frac{Conc (ppmv) \times 1 \text{ mole air} \times 1000 \text{ L} \times 1000 \text{ mg}}{1E+06 \times 24.1 \text{ L} \times MW_x}$$

Notes:

M_{air} = mass loading, removal rate in air (lbs/day)

Q_{air} = flow rate in air (cfm)

C_{air} = contaminant concentration (mg/m³)

MW_x = 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 Fahrenheit (0 degrees Celcius), the conversion is (1 mole air)/(22.4 L).

Estimated PCE Recovery Rates (continued)

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

Notes:

SVE system turned off from 8/24/2004 through 8/31/2004 during tennis court demolition activities.

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.

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

$$C_{air} (mg/m^3) = \frac{Conc (ppmv) \times 1 \text{ mole air} \times 1000 \text{ L} \times 1000 \text{ mg}}{1E+06 \times 24.1 \text{ L} \times m^3 \times g} \times MW_x$$

Notes:

M_{air} = mass loading, removal rate in air (lbs/day)

Q_{air} = flow rate in air (cfm)

C_{air} = contaminant concentration (mg/m³)

MW_x = 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 Fahrenheit (0 degrees Celcius), the conversion is (1 mole air)/(22.4 L).

Estimated PCE Recovery Rates (continued)

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
3/2/2005	7	120	120	3.2	3.35	0.2	1.7
3/16/2005	14	120	120	3.5	3.35	0.2	3.5
4/4/2005	19	120	120	3	3.25	0.2	4.6
4/20/2005	16	120	120	2.9	2.95	0.2	3.5
5/3/2005	13	120	120	3.1	3.00	0.2	2.9
5/19/2005	16	120	120	2.9	3.00	0.2	3.6
6/15/2005	26	120	120	1	1.95	0.1	3.8
6/22/2005	7	270	120	8.3	4.65	0.3	2.4
7/25/2005	33	280	275	8.3	8.30	1.4	46.5
8/9/2005	15	290	285	5	6.65	1.2	17.6
8/24/2005	15	290	290	6	5.50	1.0	14.8
9/7/2005	14	260	275	6.5	6.25	1.1	14.9
9/20/2005	13	260	260	6.8	6.65	1.1	13.9

Notes:

SVE system turned off from 8/24/2004 through 8/31/2004 during tennis court demolition activities.

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.

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

$$C_{air} (mg/m^3) = \frac{Conc (ppmv) \times 1 \text{ mole air} \times 1000 \text{ L} \times 1000 \text{ mg}}{1E+06 \times 24.1 \text{ L} \times m^3 \times g} \times MW_x$$

Notes:

M_{air} = mass loading, removal rate in air (lbs/day)

Q_{air} = flow rate in air (cfm)

C_{air} = contaminant concentration (mg/m³)

MW_x = 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 Fahrenheit (0 degrees Celcius), the conversion is (1 mole air)/(22.4 L).

Estimated PCE Recovery Rates (continued)

10/3/2005	13	270	265	7.4	7.10	1.2	15.1
10/18/2005	15	240	255	3.7	5.55	0.9	13.1
11/7/2005	20	250	245	1.5	2.60	0.4	7.9
11/29/2005	22	200	225	1.7	1.60	0.2	4.9
12/19/2005	20	305	252.5	14.7	8.20	1.3	25.6
1/4/2006	16	260	282.5	3.4	9.05	1.6	25.3
1/19/2006	15	285	272.5	2.5	2.95	0.5	7.4
1/30/2006	10	275	280	2.2	2.35	0.4	4.1
2/16/2006	17	210	242.5	10.7	6.45	1.0	16.4
2/27/2006	11	275	242.5	2.4	6.55	1.0	10.8
3/23/2006	24	245	260	2.3	2.35	0.4	9.1
4/11/2006	19	245	245	1.6	1.95	0.3	5.6
5/4/2006	23	265	255	0	0.80	0.1	2.9
6/15/2006	42	270	267.5	5	2.50	0.4	17.3
6/26/2006	11	260	265	0	2.50	0.4	4.5
7/13/2006	17	275	267.5	7.2	3.60	0.6	10.1
7/27/2006	14	305	290	3.3	5.25	0.9	13.2
8/3/2006	7	265	285	4.5	3.90	0.7	4.8
8/14/2006	11	270	267.5	10.3	7.40	1.2	13.4
8/28/2006	14	255	262.5	8	9.15	1.5	20.8

Notes:

SVE system turned off from 8/24/2004 through 8/31/2004 during tennis court demolition activities.

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.

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

$$C_{air} (mg/m^3) = \frac{Conc (ppmv) \times 1 \text{ mole air} \times 1000 \text{ L} \times 1000 \text{ mg} \times MW_x}{1E+06 \quad 24.1 \text{ L} \quad m^3 \quad g}$$

Notes:

M_{air} = mass loading, removal rate in air (lbs/day)

Q_{air} = flow rate in air (cfm)

C_{air} = contaminant concentration (mg/m³)

MW_x = 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 Fahrenheit (0 degrees Celcius), the conversion is (1 mole air)/(22.4 L).

Estimated PCE Recovery Rates (continued)

9/21/2006	24	280	267.5	12	10.00	1.7	39.6
9/28/2006	7	252	266	10.6	11.30	1.9	13.0
10/12/2006	14	260	256	6.3	8.45	1.3	18.7
10/26/2006	14	250	255	7.8	7.05	1.1	15.5
11/13/2006	18	265	257.5	7.5	7.65	1.2	21.9
11/28/2006	15	265	265	4	5.75	0.9	14.1
12/13/2006	15	98	181.5	0	2.00	0.2	3.4
12/28/2006	15	83	90.5	2.7	1.35	0.1	1.1
1/10/2007	13	55.5	69.25	0	1.35	0.1	0.8
1/23/2007	13	23	39.25	MultiRAE not operational			
2/20/2007	25	52	37.5	0	0	0.0	0.0
3/7/2007	15	61	56.5	0	0	0.0	0.0
3/17/2007	System down						
3/21/2007	10	61	61	0	0	0.0	0.0
4/3/2007	13	56	58.5	0	0	0.0	0.0
5/3/2007	8	139	97.5	0	0	0.0	0.0
5/15/2007	9	52.8	95.9	0	0	0.0	0.0
5/29/2007	15	54	53.4	0	0	0.0	0.0
6/13/2007	15	83	68.5	0	0	0.0	0.0
6/26/2007	13	270	176.5	0	0	0.0	0.0

Notes:

SVE system turned off from 8/24/2004 through 8/31/2004 during tennis court demolition activities.

SVE system off from 2/7/2007 through 2/20/07 due to frozen lines.

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.

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

$$C_{air} (mg/m^3) = \frac{Conc (ppmv)}{1E+06} \times \frac{1 \text{ mole air}}{24.1 \text{ L}} \times \frac{1000 \text{ L}}{m^3} \times \frac{1000 \text{ mg}}{g} \times MW_x$$

Notes:

M_{air} = mass loading, removal rate in air (lbs/day)

Q_{air} = flow rate in air (cfm)

C_{air} = contaminant concentration (mg/m³)

MW_x = 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 Fahrenheit

(0 degrees Celcius), the conversion is (1 mole air)/(22.4 L).

Appendices

Appendix A

Daily Quality Control Reports (DQCRs)

DATE QUALITY CONTROL REPORT				EARTH TECH PROJECT NO. 70836			
SITE NAME AND ADDRESS				EARTH TECH PROJECT NO. 70836			
DATE				EARTH TECH PROJECT NO. 70836			
TIME				EARTH TECH PROJECT NO. 70836			
EARTH TECH PROJECT NO. 70836				EARTH TECH PROJECT NO. 70836			
Day	S	M	T	W	T	F	S
Weather				SUNNY			
Temp.				76° F			
Wind				MILD			
Humidity				HIGH			
Earth Tech Personnel On-Site: Russell Kolacek, Donald Applegate							
Subcontractor (include names & responsibilities): NA							
Contract Materials and Equipment on site: Chevy 1500 pick-up, general hand tools.							
Work Performed (include sampling; list by NAS number if applicable): Bi weekly O&M inspection; Bi-weekly air monitoring; Monthly system samples; Monitoring well levels; Water quality data recorded; Installed replacement part for the broken carbon vessel's diffuser and filled the vessel with active carbon and reconnected and brought back online checking for leaks;							
Quality Control Activities (including field calibrations): calibrated multiRAE & Horriba U-22							
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							

DATE OF INSPECTION: 11/11/11	PROJECT: 42-301P01
INSPECTOR: Russell Kolacek	CLIENT: New York State Department of Environmental Conservation
LOCATION: 42-301P01	DATE OF REPORT: 11/11/11

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. See special notes
Special Notes:
Tomorrow's Expectations: Bi weekly O&M Inspection; bi weekly air monitoring. Change out of carbon in indoor air filters at the site. Seal the outside wall near the influent manifold.
By: Russell Kolacek Title: Environmental Technician
Signature: <i>Russell P. Kolacek</i> (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.

DAILY QUALITY CONTROL REPORT			
Project Name: WATER TREATMENT PLANT			
Contract No.: 42-001-001			
Date: 01/01/07			
Inspector: John P. [unclear]			
Inspector No.: 70536			

Day	S	M	T	W	T	F	S
Weather			SUNNY				
Temp.			95° F				
Wind			LOW				
Humidity			VERY HIGH				

Earth Tech Personnel On-Site: **Russell Kolacek, Donald Applegate**

Subcontractor (include names & responsibilities): **NA**

Contract Materials and Equipment on site: **Chevy 1500 pick-up, general hand tools.**

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

Bi weekly O&M inspection; Bi-weekly air monitoring; Troubleshoot onsite computer (see special notes); Sealed the outside wall with a silicon caulking;

Quality Control Activities (including field calibrations): **calibrated multiRAE**

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**

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

DAILY QUALITY CONTROL REPORT PROJECT: STATION 1000, STATION 1000, STATION 1000 DATE: 05/22/05 TIME: 08:00 AM LOCATION: STATION 1000, STATION 1000, STATION 1000 PROJECT NO.: 70536	
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. See special notes Special Notes: The onsite computer was crashing, extremely slow, and had several pop-up windows with no display text. Proceeded to reboot the pc into safe mode and clean up harddrive space as there was less than 1GB of available harddrive. Scanned the drive for errors and performed a defragment of the harddrive as it was nearly 30% fragmented. Computer was still buggy, so I rolled the OS back to a previous restore point.	
Tomorrow's Expectations: Bi weekly O&M Inspection; bi weekly air monitoring. Change out of carbon in indoor air filters at the site. Monthly system samples.	
By: Russell Kolacek Title: Environmental Technician Signature: <i>Russell P. Kolacek</i> (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.	

Appendix B

Groundwater Treatment System Operation & Maintenance Checklists

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION AND MAINTENANCE WEEKLY CHECKLIST **DATE: 06/13/07**

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: Condensation from the vapor vessel.
- 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	<u>30</u>	GPM
2. Recovery Well EPA-EXT-02 valve open	<u>30</u>	%
3. Recovery Well EPA-EXT-4R flow	<u>0</u>	GPM
4. Recovery Well EPA-EXT-4R valve open	<u>0</u>	%
5. Recovery Well pH	<u>6.5</u>	pH
6. Recovery Well conductivity	<u>53</u>	cond
7. Air Stripper pH	<u>6.8</u>	pH
8. Air Stripper temperature	<u>157</u>	deg.
9. Air Stripper air flow	<u>332</u>	CFM
10. Pre-vapor carbon pressure	<u>0</u>	"wc
11. Post carbon air flow	<u>2551</u>	CFM
12. Discharge conductivity	<u>93</u>	cond
13. Discharge pH	<u>7.7</u>	pH
14. Discharge flow	<u>70</u>	GPM
15. Discharge total gallons	<u>14993716</u>	Gal
16. SVE inlet vacuum	<u>2</u>	"Hg

¹ Wells EPA-EXT-02 and MW-24 wells are manifold 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.

17. SVE air flow 500 CFM

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

1. Recovery Well EPA-EXT-02 total flow 1464164 Gal

2. Recovery Well EPA-EXT-03 total flow 51.0 Gal

3. Recovery Well pH 6.02 pH

4. Recovery Well conductivity 0.72 cond

5. Air Stripper pH 6.85 pH

6. Air Stripper temperature 15.68 deg. C

7. Air Stripper Pump water flow 85 GPM

8. Air Stripper Pump pressure 44 PSI

9. Discharge conductivity 0.80 cond

10. Discharge pH 7.74 pH

11. SVE inlet vacuum (digital readout) 0.15 "Hg

12. SVE inlet vacuum 3.0 "Hg

13. SVE post knockout vacuum -2.5 "Hg

3. A. Have you checked that the treatment building general housekeeping meets standards?

YES NO

B. Did you perform any housekeeping activities before leaving the site? YES NO

If so, list them: Bagged trash from remedial activities.

4. 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

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION AND MAINTENANCE WEEKLY CHECKLIST **DATE: 06/26/07**

1. A. Is any part of the system leaking? YES NO
 If so, list where: Condensation from piping and air stripper.
- B. Is there water on the floor? YES NO
 If so, list where: Condensation from the vapor vessel.
- 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	<u>20</u>	GPM
2. Recovery Well EPA-EXT-02 valve open	<u>38</u>	%
3. Recovery Well EPA-EXT-4R flow	<u>0</u>	GPM
4. Recovery Well EPA-EXT-4R valve open	<u>0</u>	%
5. Recovery Well pH	<u>6.6</u>	pH
6. Recovery Well conductivity	<u>71</u>	cond
7. Air Stripper pH	<u>6.9</u>	pH
8. Air Stripper temperature	<u>162</u>	deg.
9. Air Stripper air flow	<u>354</u>	CFM
10. Pre-vapor carbon pressure	<u>0</u>	"wc
11. Post carbon air flow	<u>2558</u>	CFM
12. Discharge conductivity	<u>103</u>	cond
13. Discharge pH	<u>7.8</u>	pH
14. Discharge flow	<u>22</u>	GPM
15. Discharge total gallons	<u>1056034 *</u>	Gal
16. SVE inlet vacuum	<u>2</u>	"Hg

¹ Wells EPA-EXT-02 and MW-24 wells are manifold 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.

17. SVE air flow 500 CFM

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

1. Recovery Well EPA-EXT-02 total flow 1881616 Gal
2. Recovery Well EPA-EXT-03 total flow 51.0 Gal
3. Recovery Well pH 6.10 pH
4. Recovery Well conductivity 0.71 cond
5. Air Stripper pH 6.92 pH
6. Air Stripper temperature 16.26 deg. C
7. Air Stripper Pump water flow 90 GPM
8. Air Stripper Pump pressure 40 PSI
9. Discharge conductivity 0.89 cond
10. Discharge pH 7.74 pH
11. SVE inlet vacuum (digital readout) 0.14 "Hg
12. SVE inlet vacuum 6.0 "Hg
13. SVE post knockout vacuum -2 "Hg

4. A. Have you checked that the treatment building general housekeeping meets standards?

YES NO

B. Did you perform any housekeeping activities before leaving the site? YES NO

If so, list them: Swept the floor in the treatment area.

4. 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

* Note: the onsite computer was crashing and had to be reset. It's possible this data could have been corrupted

Appendix C

Groundwater Treatment System Downloaded Operational Data

Stanton Cleaners Area Groundwater Contamination Site - May 2007 - Site Operation Data

Date	Time	Recovery Well 1 Flow (GPM)	Recovery Well 2 Flow (GPM)	Recovery Well 3 Flow (GPM)	Discharge Flow (GPM)	Discharge Flow (CFM)	Influent Water Temperature (°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 (CFM)
6/1/2007	0:00	0	0	23	63	2774	156	70	91	6.5	6.9	7.7	14942082.2	368	2774	500
6/1/2007	4:00	0	0	27	11	2544	156	70	91	6.5	6.8	7.7	14942964.5	425	2544	500
6/1/2007	8:00	0	0	26	72	2868	157	70	93	6.5	6.8	7.7	14943801.3	331	2868	500
6/1/2007	12:00	0	0	29	0	2447	160	69	98	6.5	6.9	7.7	149446726.2	331	2447	500
6/1/2007	16:00	0	0	24	70	2447	161	69	101	6.6	6.9	7.8	14945122.6	327	2447	500
6/1/2007	20:00	0	0	21	0	2546	159	69	97	6.5	6.9	7.8	149463792.5	335	2546	500
6/2/2007	0:00	0	0	27	71	2870	159	69	96	6.5	6.8	7.7	149472244.3	321	2870	500
6/2/2007	4:00	0	0	27	0	2891	158	70	94	6.5	6.8	7.7	149480889.9	327	2891	500
6/2/2007	8:00	0	0	26	70	2601	159	70	96	6.5	6.9	7.7	149489382.2	313	2601	500
6/2/2007	12:00	0	0	20	0	2512	161	69	100	6.6	6.9	7.8	149498009.1	344	2512	500
6/2/2007	16:00	0	0	29	68	2447	161	70	100	6.6	6.9	7.8	149506479.7	340	2447	500
6/2/2007	20:00	0	0	28	0	2256	159	69	96	6.5	6.9	7.8	149515093.6	423	2256	500
6/3/2007	0:00	0	0	29	71	2505	158	69	94	6.5	6.9	7.8	149523583.2	392	2505	500
6/3/2007	4:00	0	0	28	0	2891	157	69	94	6.5	6.9	7.8	149532326.2	270	2891	500
6/3/2007	8:00	0	0	21	69	2546	158	70	95	6.5	6.9	7.7	149540740.0	337	2546	500
6/3/2007	12:00	0	0	23	0	2256	159	70	97	6.5	6.8	7.7	149549376.9	388	2256	500
6/3/2007	16:00	0	0	22	68	2546	159	70	95	6.5	6.9	7.8	149557816.9	367	2546	500
6/3/2007	20:00	0	0	21	0	2891	157	70	94	6.5	6.9	7.8	149566491.2	363	2891	500
6/4/2007	0:00	0	0	25	69	2498	157	70	93	6.5	6.9	7.7	149575009.9	376	2498	500
6/4/2007	4:00	0	0	0	0	20	158	60	99	6.5	6.8	7.7	149575328.8	23	20	976
6/4/2007	8:00	0	0	0	0	20	159	64	98	6.5	6.8	7.7	149575328.8	22	20	976
6/4/2007	12:00	0	0	0	0	20	159	70	103	6.6	6.9	7.8	149575328.8	31	20	976
6/4/2007	16:00	0	0	0	0	20	159	63	100	6.5	6.8	7.7	149575328.8	46	20	976
6/4/2007	20:00	0	0	0	0	20	160	67	104	6.6	6.8	7.7	149575328.8	31	20	976
6/5/2007	0:00	0	0	0	0	20	160	61	102	6.6	6.8	7.7	149575328.8	8	20	976
6/5/2007	4:00	0	0	0	0	20	161	68	103	6.6	6.8	7.7	149575328.8	7	20	976
6/5/2007	8:00	0	0	0	0	20	161	69	105	6.6	6.9	7.7	149575328.8	23	20	976
6/5/2007	12:00	0	0	0	0	23	162	78	118	6.6	6.9	7.7	149575328.8	7	23	976
6/5/2007	16:00	0	0	0	0	20	163	79	128	6.6	6.9	7.7	149575328.8	0	20	976
6/5/2007	20:00	0	0	0	0	20	165	79	126	6.6	6.9	7.7	149575328.8	29	20	976
6/6/2007	0:00	0	0	0	0	20	165	78	113	6.6	6.8	7.7	149575328.8	42	20	976
6/6/2007	4:00	0	0	0	0	20	165	74	102	6.6	6.8	7.6	149575328.8	39	20	976
6/6/2007	8:00	0	0	0	0	20	164	63	95	6.7	6.8	7.6	149575328.8	29	20	976
6/6/2007	12:00	0	0	22	2	2447	154	71	90	6.4	6.9	7.7	149583691.4	376	2447	500
6/6/2007	16:00	0	0	29	68	2399	155	70	91	6.5	6.9	7.8	149592040.8	343	2399	500
6/6/2007	20:00	0	0	23	69	2546	154	70	88	6.5	6.9	7.8	149600782.6	321	2546	500
6/7/2007	0:00	0	0	23	0	2447	153	71	88	6.4	6.8	7.8	149609202.3	452	2447	500
6/7/2007	4:00	0	0	25	71	2546	153	70	85	6.4	6.8	7.7	149617876.4	368	2546	500
6/7/2007	8:00	0	0	24	0	2544	154	70	87	6.4	6.8	7.7	149626378.2	376	2544	500
6/7/2007	12:00	0	0	22	69	2774	156	71	92	6.5	6.9	7.8	149634981.4	366	2774	500
6/7/2007	16:00	0	0	22	0	2546	156	70	93	6.5	6.9	7.8	149643540.5	323	2546	500
6/7/2007	20:00	0	0	28	72	2553	156	70	92	6.5	6.9	7.8	149652009.3	298	2553	500
6/8/2007	0:00	0	0	29	0	2553	157	70	93	6.5	6.8	7.7	149660633.0	372	2553	500
6/8/2007	4:00	0	0	16	68	2447	156	70	92	6.5	6.9	7.7	149669110.9	419	2447	500
6/8/2007	8:00	0	0	21	0	2744	158	71	96	6.5	6.8	7.7	149677768.8	320	2744	500

Date	Time	Recovery Well1 Flow (GPM)	Recovery Well2 Flow (GPM)	Recovery Well3 Flow (GPM)	Discharge Flow (GPM)	Discharge Flow (CFM)	Influent Water Temperature (° F)	Influent Conductivity	Effluent Conductivity	Influent Water pH	AirStripper Water pH	Discharge Water pH	Total Gallons Discharged	Air Stripper Air Flow	Combined Discharge Air Flow	SVE AirFlow w (CFM)
6/8/2007	12:00	0	0	19	71	2558	161	71	100	6.5	6.9	7.8	149686243.5	368	2558	500
6/8/2007	16:00	0	0	24	0	2514	161	69	100	6.6	6.9	7.8	149694874.8	272	2514	500
6/8/2007	20:00	0	0	26	69	2601	159	70	97	6.5	6.9	7.8	149703324.7	359	2601	500
6/9/2007	0:00	0	0	24	0	2502	159	70	97	6.5	6.9	7.8	149712017.4	286	2502	500
6/9/2007	4:00	0	0	22	71	2447	159	71	96	6.5	6.9	7.7	149720522.6	404	2447	500
6/9/2007	8:00	0	0	24	0	2551	159	71	96	6.5	6.8	7.7	149729142.1	394	2551	500
6/9/2007	12:00	0	0	17	71	2751	160	70	98	6.5	6.9	7.8	149737689.8	332	2751	500
6/9/2007	16:00	0	0	27	0	2553	159	70	97	6.5	6.9	7.8	149746245.4	352	2553	500
6/9/2007	20:00	0	0	29	70	2553	158	71	95	6.5	6.9	7.8	149754810.7	358	2553	500
6/10/2007	0:00	0	0	22	0	2601	156	71	92	6.5	6.9	7.8	149763390.2	440	2601	500
6/10/2007	4:00	0	0	17	70	2744	156	71	92	6.5	6.8	7.8	149771962.0	349	2744	500
6/10/2007	8:00	0	0	26	0	2599	156	70	91	6.5	6.8	7.7	149780586.2	412	2599	500
6/10/2007	12:00	0	0	26	71	2544	155	71	90	6.5	6.8	7.7	149789064.2	383	2544	500
6/10/2007	16:00	0	0	24	68	2548	155	71	91	6.5	6.9	7.8	149797701.7	326	2548	500
6/10/2007	20:00	0	0	19	70	2553	156	70	93	6.5	6.9	7.8	149806262.7	386	2553	500
6/11/2007	0:00	0	0	24	66	2744	157	71	93	6.5	6.8	7.7	149814822.8	293	2744	500
6/11/2007	4:00	0	0	25	67	2548	156	70	91	6.5	6.8	7.7	149823430.2	374	2548	500
6/11/2007	8:00	0	0	19	68	2546	157	70	93	6.5	6.8	7.7	149831993.9	391	2546	500
6/11/2007	12:00	0	0	30	66	2447	157	70	95	6.5	6.9	7.8	149840562.2	330	2447	500
6/11/2007	16:00	0	0	24	69	2558	158	69	96	6.6	6.9	7.8	149849119.3	378	2558	500
6/11/2007	20:00	0	0	23	66	2447	159	70	97	6.5	6.9	7.7	149857673.8	408	2447	500
6/12/2007	0:00	0	0	20	66	2601	158	71	96	6.5	6.9	7.7	149866260.1	292	2601	500
6/12/2007	4:00	0	0	21	67	2744	157	71	95	6.5	6.8	7.7	149874857.6	337	2744	500
6/12/2007	8:00	0	0	23	68	2551	158	71	95	6.5	6.8	7.7	149883476.6	378	2551	500
6/12/2007	12:00	0	0	28	67	2447	159	70	98	6.5	6.9	7.8	149892021.4	340	2447	500
6/12/2007	16:00	0	0	25	66	2447	159	71	98	6.6	6.9	7.8	149900567.2	358	2447	500
6/12/2007	20:00	0	0	24	69	2541	158	70	95	6.5	6.9	7.8	149909161.6	338	2541	500
6/13/2007	0:00	0	0	23	66	2544	157	71	94	6.5	6.9	7.7	149917725.5	383	2544	500
6/13/2007	4:00	0	0	22	68	2447	158	71	95	6.5	6.8	7.7	149926281.6	379	2447	500
6/13/2007	8:00	0	0	23	72	2742	156	70	92	6.5	6.8	7.7	149934865.7	371	2742	500
6/13/2007	12:00	0	0	26	7	2601	156	71	92	6.5	6.8	7.7	149943440.1	316	2601	500
6/13/2007	16:00	0	0	23	0	2544	156	71	93	6.5	6.9	7.8	149952072.0	368	2544	500
6/13/2007	20:00	0	0	25	0	2562	155	71	80	6.5	6.8	8.8	149958623.5	316	2562	500
6/14/2007	0:00	0	0	28	76	2544	153	70	83	6.4	6.8	8.4	149967219.6	398	2544	500
6/14/2007	4:00	0	0	22	11	2546	153	70	85	6.4	6.8	8.1	149975971.6	325	2546	500
6/14/2007	8:00	0	0	22	0	2774	154	52	87	6.4	6.8	8	149984430.6	474	2774	500
6/14/2007	12:00	0	0	28	72	2548	154	70	87	6.4	6.8	7.9	149993019.5	392	2548	500
6/14/2007	16:00	0	0	22	73	2551	155	70	89	6.5	6.8	7.9	150001739.8	379	2551	500
6/14/2007	20:00	0	0	22	0	2604	155	71	90	6.5	6.8	7.8	150010227.6	408	2604	500
6/15/2007	0:00	0	0	23	72	2599	154	70	87	6.4	6.8	7.8	150018783.8	316	2599	500
6/15/2007	4:00	0	0	26	11	2737	154	44	88	6.4	6.8	7.7	150027543.4	377	2737	500
6/15/2007	8:00	0	0	20	0	2341	155	69	89	6.4	6.8	7.7	150035980.9	473	2341	500
6/15/2007	12:00	0	0	27	74	2551	156	71	91	6.5	6.9	7.8	150044614.3	338	2551	500
6/15/2007	16:00	0	0	24	0	2546	157	70	93	6.5	6.9	7.8	150053285.1	361	2546	500
6/15/2007	20:00	0	0	21	0	2601	155	70	92	6.5	6.9	7.8	150061713.4	387	2601	500
6/16/2007	0:00	0	0	31	72	2742	155	71	90	6.5	6.9	7.7	150070389.1	371	2742	500
6/16/2007	4:00	0	0	28	0	2546	155	70	89	6.4	6.8	7.7	150079031.7	376	2546	500
6/16/2007	8:00	0	0	20	0	2546	157	70	92	6.5	6.8	7.7	150087462.3	347	2546	500

Date	Time	Recovery Well 1 Flow (GPM)	Recovery Well 2 Flow (GPM)	Recovery Well 3 Flow (GPM)	Discharge Flow (GPM)	Discharge Flow (CFM)	Influent Water Temperature (°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 (CFM)
6/16/2007	12:00	0	0	15	74	2546	158	71	96	6.5	6.9	7.8	150096173.5	347	2546	500
6/16/2007	16:00	0	0	20	0	2753	158	70	96	6.6	6.9	7.8	150104698.9	318	2753	500
6/16/2007	20:00	0	0	26	53	2693	157	70	94	6.5	6.9	7.8	150113083.1	398	2693	500
6/17/2007	0:00	0	0	23	71	2546	157	71	94	6.5	6.9	7.7	150121756.1	323	2546	500
6/17/2007	4:00	0	0	20	0	2774	157	71	93	6.5	6.8	7.7	150130364.2	349	2774	500
6/17/2007	8:00	0	0	18	5	2447	158	70	94	6.5	6.8	7.7	150138783.3	361	2447	500
6/17/2007	12:00	0	0	20	74	2399	159	70	98	6.6	6.9	7.8	150147481.1	322	2399	500
6/17/2007	16:00	0	0	23	0	2447	160	70	98	6.6	6.9	7.8	150156056.6	302	2447	500
6/17/2007	20:00	0	0	20	0	2309	160	70	99	6.6	6.9	7.8	150164463.6	288	2309	500
6/18/2007	0:00	0	0	18	74	2256	159	70	97	6.6	6.9	7.8	150172951.4	277	2256	500
6/18/2007	4:00	0	0	21	3	2604	158	70	96	6.5	6.9	7.7	150181530.2	342	2604	500
6/18/2007	8:00	0	0	25	0	2396	159	70	97	6.6	6.9	7.7	150189885.1	333	2396	500
6/18/2007	12:00	0	0	16	73	2604	159	70	97	6.6	6.9	7.8	150198472.8	362	2604	500
6/18/2007	16:00	0	0	23	4	2396	158	69	97	6.6	6.9	7.8	150207047.4	343	2396	500
6/18/2007	20:00	0	0	24	0	2693	158	69	95	6.5	6.9	7.8	150215412.0	377	2693	500
6/19/2007	0:00	0	0	18	74	2746	157	70	95	6.5	6.9	7.8	150223944.1	364	2746	500
6/19/2007	4:00	0	0	19	15	2447	157	70	94	6.5	6.9	7.8	150232616.8	342	2447	500
6/19/2007	8:00	0	0	24	0	2778	159	71	96	6.5	6.9	7.7	150240976.1	398	2778	500
6/19/2007	12:00	0	0	21	72	2544	159	71	99	6.5	6.9	7.8	150249474.1	311	2544	500
6/19/2007	16:00	0	0	19	74	2505	159	70	97	6.5	6.9	7.8	150258094.1	387	2505	500
6/19/2007	20:00	0	0	32	0	2447	159	70	98	6.5	6.9	7.8	150266479.1	336	2447	500
6/20/2007	0:00	0	0	26	75	2774	160	71	99	6.5	6.9	7.7	150274950.6	369	2774	500
6/20/2007	4:00	0	0	23	11	2553	159	71	98	6.5	6.9	7.7	150283644.3	332	2553	500
6/20/2007	8:00	0	0	29	0	2447	160	71	98	6.5	6.8	7.7	150292024.7	337	2447	500
6/20/2007	12:00	0	0	21	74	2396	159	70	97	6.5	6.9	7.7	150300625.2	323	2396	500
6/20/2007	16:00	0	0	21	0	2507	157	71	94	6.5	6.9	7.8	150309129.4	325	2507	500
6/20/2007	20:00	0	0	27	0	2447	156	70	93	6.5	6.9	7.8	150317464.9	326	2447	500
6/21/2007	0:00	0	0	19	73	2551	155	71	91	6.5	6.9	7.8	150326056.0	399	2551	500
6/21/2007	4:00	0	0	26	9	2742	155	70	88	6.5	6.8	7.7	150334657.4	359	2742	500
6/21/2007	8:00	0	0	25	0	2693	155	71	92	6.5	6.9	7.8	150343025.0	341	2693	500
6/21/2007	12:00	0	0	21	76	2691	157	71	94	6.5	6.9	7.8	150351470.8	322	2691	500
6/21/2007	16:00	0	0	19	73	2558	157	70	96	6.6	6.9	7.8	150360082.0	292	2558	500
6/21/2007	20:00	0	0	29	0	2601	158	70	95	6.5	6.9	7.8	150368863.2	417	2601	500
6/22/2007	0:00	0	0	23	0	2735	158	70	95	6.5	6.8	7.7	150376932.9	262	2735	500
6/22/2007	4:00	0	0	26	76	2396	156	70	91	6.5	6.8	7.7	150385581.5	376	2396	500
6/22/2007	8:00	0	0	27	0	2742	156	70	92	6.5	6.8	7.7	150394101.1	401	2742	500
6/22/2007	12:00	0	0	21	0	2447	156	71	92	6.5	6.9	7.8	150402489.7	347	2447	500
6/22/2007	16:00	0	0	22	73	2748	156	70	92	6.5	6.9	7.8	150411031.1	382	2748	500
6/22/2007	20:00	0	0	27	6	2553	154	70	89	6.5	6.9	7.8	150419609.1	285	2553	500
6/23/2007	0:00	0	0	24	0	2551	154	71	89	6.5	6.9	7.8	150427962.4	398	2551	500
6/23/2007	4:00	0	0	21	73	2691	153	73	90	6.5	6.9	7.8	150436413.4	356	2691	500
6/23/2007	8:00	0	0	28	73	2742	154	76	94	6.5	6.9	7.8	150445062.9	353	2742	500
6/23/2007	12:00	0	0	20	0	2470	154	71	90	6.5	6.9	7.8	150453502.1	308	2470	500
6/23/2007	16:00	0	0	28	0	2555	154	71	91	6.5	6.9	7.8	150461840.2	347	2555	500
6/23/2007	20:00	0	0	20	72	2544	154	70	90	6.5	6.9	7.8	150470412.3	320	2544	500
6/24/2007	0:00	0	0	22	9	2601	153	71	88	6.5	6.8	7.8	150478989.6	382	2601	500
6/24/2007	4:00	0	0	28	0	2544	153	77	93	6.6	6.9	7.9	150487384.8	423	2544	500
6/24/2007	8:00	0	0	19	0	2742	154	78	97	6.6	7	7.9	150495782.7	438	2742	500

Date	Time	Recovery Well 1 Flow (GPM)	Recovery Well 2 Flow (GPM)	Recovery Well 3 Flow (GPM)	Discharge Flow (GPM)	Discharge Flow (GPM)	Influent Water Temperature (°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 (CFM)
6/24/2007	12:00	0	0	18	76	2553	156	71	92	6.5	6.9	7.8	150504374.4	376	2553	500
6/24/2007	16:00	0	0	18	5	2447	157	70	95	6.6	6.9	7.8	150512940.6	335	2447	500
6/24/2007	20:00	0	0	21	0	2555	157	70	95	6.5	6.9	7.8	150521277.9	351	2555	500
6/25/2007	0:00	0	0	22	72	2748	157	71	95	6.5	6.9	7.8	150529760.6	348	2748	500
6/25/2007	4:00	0	0	21	72	2447	156	70	93	6.5	6.9	7.8	150539377.3	369	2447	500
6/25/2007	8:00	0	0	20	0	2601	158	70	95	6.5	6.8	7.7	150546812.9	364	2601	500
6/25/2007	12:00	0	0	20	73	2753	160	71	100	6.6	6.9	7.8	150555231.6	427	2753	500
6/25/2007	16:00	0	0	28	75	2558	160	70	99	6.6	6.9	7.8	150563853.6	307	2558	500
6/25/2007	20:00	0	0	23	0	2558	160	70	98	6.5	6.9	7.8	150572301.3	302	2558	500
6/26/2007	0:00	0	0	20	75	2447	159	70	98	6.5	6.9	7.8	150580679.2	295	2447	500
6/26/2007	4:00	0	0	23	73	2546	159	71	98	6.5	6.9	7.8	150589349.2	393	2546	500
6/26/2007	8:00	0	0	21	0	2555	161	71	101	6.5	6.9	7.8	150597808.3	332	2555	500
6/26/2007	12:00	0	0	19	74	2396	162	71	103	6.6	6.9	7.8	150606198.6	353	2396	500
6/26/2007	20:00	0	0	28	72	2604	158	71	97	6.6	6.9	7.9	150615442.6	374	2604	500
6/27/2007	0:00	0	0	39	0	2396	159	71	96	6.6	6.9	7.8	150641338.1	290	2396	500
6/27/2007	4:00	0	0	33	73	2555	158	70	97	6.6	6.9	7.8	150667931.0	346	2555	500
6/27/2007	8:00	0	0	44	72	2546	159	70	98	6.6	6.9	7.8	150694543.1	337	2546	500
6/27/2007	12:00	0	0	45	0	2309	160	71	99	6.6	6.9	7.8	150720677.8	303	2309	500
6/27/2007	16:00	0	0	34	71	2346	160	70	98	6.6	6.9	7.8	150746424.1	285	2346	500
6/27/2007	20:00	0	0	40	73	2396	158	71	95	6.5	6.9	7.8	150773051.6	297	2396	500
6/28/2007	0:00	0	0	32	74	2546	158	70	95	6.5	6.9	7.8	150799721.6	327	2546	500
6/28/2007	4:00	0	0	19	72	2553	158	70	95	6.5	6.9	7.8	150826075.5	351	2553	500
6/28/2007	8:00	0	0	28	2	2594	158	71	95	6.5	6.8	7.7	150852510.3	335	2594	500
6/28/2007	12:00	0	0	44	73	2447	159	71	97	6.6	6.9	7.8	150878602.7	327	2447	500
6/28/2007	16:00	0	0	46	70	2560	159	71	97	6.6	6.9	7.8	150905146.1	359	2560	500
6/28/2007	20:00	0	0	47	70	2449	158	70	95	6.5	6.9	7.8	150931754.8	346	2449	500
6/29/2007	0:00	0	0	28	74	2396	158	71	95	6.5	6.8	7.7	150958344.3	404	2396	500
6/29/2007	4:00	0	0	39	0	2553	157	71	95	6.5	6.8	7.7	150984866.4	269	2553	500
6/29/2007	8:00	0	0	48	73	2746	157	71	91	6.5	6.8	7.7	151010955.9	303	2746	500
6/29/2007	12:00	0	0	48	73	2449	156	70	92	6.5	6.8	7.7	151037551.7	344	2449	500
6/29/2007	16:00	0	0	34	71	2604	156	70	93	6.6	6.9	7.8	151064173.9	343	2604	500
6/29/2007	20:00	0	0	37	71	2447	156	71	92	6.5	6.9	7.7	151090749.6	280	2447	500
6/30/2007	0:00	0	0	45	72	2553	156	70	91	6.5	6.8	7.7	151117334.7	368	2553	500
6/30/2007	4:00	0	0	47	0	2601	156	71	92	6.5	6.8	7.7	151143636.3	330	2601	500
6/30/2007	8:00	0	0	39	73	2601	155	82	101	6.7	7	7.9	151169975.7	354	2601	500
6/30/2007	12:00	0	0	44	75	2748	155	71	91	6.5	6.9	7.8	151196525.8	354	2748	500
6/30/2007	16:00	0	0	48	74	2447	155	71	91	6.6	6.9	7.8	151223041.9	321	2447	500
6/30/2007	20:00	0	0	43	75	2396	155	70	91	6.5	6.9	7.8	151249589.4	270	2396	500

Appendix D

**Groundwater Treatment System
Sampling Trip Report**

SAMPLING TRIP REPORT

Site Name: STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE

CERCLIS ID Number: NYD047650197

Sampling Dates: June 13, 2007

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 SOM01.1	John Birri USEPA Region II DESA LAB Building 209 MS-230 2890 Woodbridge Avenue Edison, N.J. 08837

Sample Dispatch Data (Table 2):

On June 13, 2007, a total of four (4) groundwater samples, including one (1) duplicate sample and one (1) trip blank were shipped to the U.S. Environmental Protection Agency Region II Lab (USEPA) for TCL-VOAs analysis.

FedEx Air Bill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
799157324458	1	Total of 4 Aqueous Samples to include 1 duplicate sample, and 1 Trip Blank for TCL-VOAs	06/13/07 @ 1200 pm TO: USEPA

Sampling Personnel (Table 3):

Name	Organization	Site Duties
Francisco Metcalf	Earth Tech, Inc.	Earth Tech Project Manager
Russell Kolacek	Earth Tech, Inc.	Sampler
Donald Applegate	Earth Tech, Inc.	Sampler

Sample Numbers and Collection Points (Table 4):

Laboratory	Analysis	Sample Type	Sample #	Sample Collection Point(SCP)
USEPA Region II DESA LAB Building 209 MS-230 2890 Woodbridge Avenue Edison, N.J. 08837	TCL-VOAs	Aqueous Groundwater	Influent (MW-24 and EPA-EXT-02)	Influent (MW-24 and EPA-EXT-02)
			Effluent	Effluent
			Effluent A	Duplicate of Effluent
			Trip Blank	Trip Blank

Additional Comments:

The Influent, Effluent and Effluent-A samples were collected after a five gallon purge from the sample ports located within the treatment system. The influent sample includes MW-24 and EPA-EXT-02. These two wells combine before they reach the treatment room and therefore cannot be sampled individually. These samples were collected for the following analysis: Target Compound List (TCL) Volatile Organic Compounds. In addition, one duplicate sample (Effluent-A) was collected from the effluent of the groundwater treatment process and was a duplicate sample of sample Effluent. One trip blank (TB) was also included in the shipment. Copies of the Chain of Custody forms and a copy of the FedEx air bill are included in Appendix A and B, respectively.

Earth Tech personnel also collected real time water quality parameters from the raw water for all the following sampling locations: Influent and Effluent (Discharge) and the results are included in Appendix C.

Appendix A

Chain of Custody (June 13, 2007, System Sampling Event)



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

Date Shipped: 8/13/2007		Chain of Custody Received		Sample Signature: <i>Russell Kolaczek</i> Received By: (Date / Time)		Case No: DAS No: SOG No:
Carrier Name: ALPHE	789157324458	Relinquished By		(Date / Time)		For Lab Use Only
Shipped to:	USEPA Region 2 - DESA LAB 2800 Woodbridge Ave. Bldg. 200 MS-220 Edison NJ 08837 (732) 909-6885	2		<i>Russell Kolaczek 8/13/2007</i>		Lab Contract No:
		3				Unit Price:
		4				Transfer To:
						Lab Contract No:
						Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS TURNAROUND	TAG No/ PRESERVING BOTTLE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Conditions On Receipt
EFFLUENT	Ground Water/ Russell Kolaczek	L/G	VOA (14)	(HCL) (3)	Effluent	S: 8/13/2007 10:30		
EFFLUENT A	Ground Water/ Russell Kolaczek	L/G	VOA (14)	(HCL) (3)	Effluent A	S: 8/13/2007 10:35		
INFLUENT (MM-24 & EP	Ground Water/ Russell Kolaczek	L/G	VOA (14)	(HCL) (3)	Influent (MM-24 & EPA-EXT-02)	S: 8/13/2007 9:45		
TRIP BLANK	Field OC/ Russell Kolaczek	L/G	VOA (14)	(HCL) (2)	TRIP BLANK	S: 8/13/2007 9:30		

Shipment for Case Complete Y	Sample(s) to be used for laboratory QC:	Additional Sample Signatures: <i>Russell Kolaczek</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Qualifier: Composite = C, Grab = G		Custody Seal Intact? ☐ Shipment Intact? ☐

TR Number: 2-043013577-061307-0001

PLT provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY

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

Case No: **R**
 DAS No:

Region: 2		Date Shipped: 8/13/2007	Chain of Custody Record	Sender Signature: <i>Russell Kolaczek</i>
Project Code: .	Carrier Name: FedEx	789157324459	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID: NYD047850197	ANALYST: US EPA Region 2 - DESA	LAB	2	
Spill ID: 02LH	Shipped to: 2880 Woodbridge Ave.		3	
Site Name/Address: Stanton Area Cleaners Groundwater Contam	Bldg. 208 MS-230		4	
Project Leader: Francisco, Michael	Edison NJ 08837			
Action: Operations and Maintenance	(732) 905-6886			
Sampling Co: Earth Tech				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS TURNOVER	TAB No/ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
EFFLUENT	Ground Water/ Russell Kolaczek	L/G	VOA (14)	(HCL) (3)	Effluent	S: 8/13/2007 10:00		
EFFLUENT A	Ground Water/ Russell Kolaczek	L/G	VOA (14)	(HCL) (3)	Effluent A	S: 8/13/2007 10:05		Field Duplicate
INFLUENT (MN-24 & EP	Ground Water/ Russell Kolaczek	L/G	VOA (14)	(HCL) (3)	Influent (MN-24 & EPA-EXT-02)	S: 8/13/2007 9:45		-
TRIP BLANK	Field QC/ Russell Kolaczek	L/G	VOA (14)	(HCL) (2)	TRIP BLANK	S: 8/13/2007 9:30		Trip Blank

Shipped for Case Completed	Sample(s) to be used for Laboratory QC:	Additional Sample Signatures:	Chain of Custody Seal Number:
Analyst Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Medium, H = High	Type/Designation: Composite of Grab = G	Shipment Label?

TR Number: 2-043013577-061307-0001
 PR provides preliminary results. Requests for preliminary results will increase analytical costs.
 Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819, Phone 703/818-4200, Fax 703/818-4802

REGION COPY

Appendix B

**FedEx Air Bill
(June 13, 2007, System Sampling Event)**

Shipping Label

Page 1 of 1

From: Origin ID: QTYA (717)756-8029
Rusell K. Kozick
EarthTech
2 Market Plaza Way
Mechanicsburg, PA 17055



Ship Date: 12JUN07
Admitt: 10 LB
System: 7447067/NET2000
Account: 3

Dimmed: 12 X 8 X 14 IN

Delivery Address Bar Code



Ref # 70536 07.01 Stanton
Invoice #
PO #
Dept #

SHIP TO: (732)906-0886 BILL SENDER
John Birri
USEPA Region 2 DESA Lab
Building 208, MS-230
2890 Woodbridge Ave
Edison, NJ 08837



STANDARD OVERNIGHT

THU

TRK# 7991 5732 4458

FORM 0901

Deliver By: 14JUN07

EWR

A1

08837 NJ-US
DSR

Z3 LDJA



Shipping Label

This shipping label constitutes the air waybill for this shipment.

[View all details](#)

1. Use the "Print" feature from your browser to send this page to your laser printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping label 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.

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<https://www.fedex.com/fsmShip/labelDomAction.do?method=doLabelClick>

6/13/2007

Appendix C

Water Quality Parameters (June 13, 2007, System Sampling Event)

STANTON CLEANERS SITE LTRA

Groundwater Pump and Treatment System Water Quality Parameters Log

Date: 06/13/07
Project # 70536

	5.29	0.693	157.0	9.6	15.78	0.0
	6.18	0.648	164.0	10.3	17.01	0.0

Total Gallons pumped: 14993716 gallons
Flow rate: 70 gpm

* The influent consists of MW-24 and EPA-EXT-02. These wells combine before they reach the treatment room and therefore cannot be individually sampled.

Equipment Calibrated by:	Donald Applegate	Comments:
Water samples collected by:	Russell Kolacek	
Water monitoring performed by:	Donald Applegate	

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.

Appendix E

Groundwater Treatment System Raw and Treated 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**	Discharge Criteria
Influent	SC-01	B0001	10/27/2003	MTBE	2	J	
				cis-1,2-Dichloroethene	2	J	
				Trichloroethene (TCE)	3	J	5
				Toluene	3	J	5
				Tetrachloroethene	350	D	5
Effluent	SC-04	B0002	10/27/2003	None			
Trip Blank	SC-TB	B0003	10/27/2003	Acetone	61	J	5
				Methylene chloride	2	J	5
Influent	SC-01	B0177	11/12/2003	Tetrachloroethene (PCE)	240		5
				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		5
				Chlorodifluoromethane	29	NJ	
				1,2-Dichloroethene	3.4	NJ	
Trip Blank	SC-TB	B0180	11/12/2003	Tetrachloroethene	9.4		5
				Chlorodifluoromethane	4.3	NJ	
Influent	SC-01	B17J3	12/10/2003	Tetrachloroethene	290	D	5
				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	5
				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		5
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		5
Trip Blank	SC-TB	B1003	1/12/2004	Methylene chloride	0.6	K	
				MTBE	3.7		
				Tetrachloroethene	7.9		5
				m&p-Xylene	0.7		
Influent	SC-01	B17Z0	2/12/2004	cis-1,2-Dichloroethene	1.7		
				Trichloroethene	3.0		
				Tetrachloroethene	610.0	D	5
				Unknown TIC	0.53	J	
Effluent	SC-04	B17Z1	2/12/2004	Acetone	3.8	J	5
Influent Dup	SC-63	B17Z2	2/12/2004	Acetone	25	J	5
				cis-1,2-Dichloroethene	1.7		
				Trichloroethene	2.8		
				Tetrachloroethene	440	D	5
Trip Blank	SC-TB	B17Z3	2/12/2004	Methylene chloride	0.16	J	
				MTBE	4.7		
				Chloroform	0.26	J	
				Tetrachloroethene	7.1		5
				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	NJ	

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**	Discharge Criteria
Influent	SC-01	B17Z6	3/10/2004	MTBE	2.7		
				cis -1,2-Dichloroethene	1.2		
				Trichloroethene	2.3		
				Tetrachloroethene	260		5
Effluent	SC-04	B17Z7	3/10/2004	Tetrachloroethene	0.70		5
Influent Dup	SC-64	B17Z8	3/10/2004	MTBE	2.8		
				cis -1,2-Dichloroethene	1.2		
				Trichloroethene	2.3		
				Tetrachloroethene	260		5
Trip Blank	SC-TB	B17Z9	3/10/2004	Acetone	1.8		5
				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	5
Effluent	SC-04	B1BS3	4/14/2004	Tetrachloroethene	1.9		5
Influent Dup	SC-65	B1BS4	4/14/2004	Acetone	1.2	J	5
				MTBE	1.5		
				cis -1,2-Dichloroethene	0.67	J	
				Trichloroethene	1.1		
Trip Blank	SC-TB	B1BS5	4/14/2004	Tetrachloroethene	260	D	5
				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		5
Effluent	SC-04	B1BS7	5/20/2004	Acetone	1.2		5
Influent Dup	SC-66	B1BS8	5/20/2004	Acetone	0		5
				MTBE	2.1		
				cis -1,2-Dichloroethene	0.9		
				Trichloroethene	1.6		
Trip Blank	SC-TB	B1BS9	5/20/2004	Tetrachloroethene	200		5
				Acetone	1		5
				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		
Effluent	SC-04	B1BS7	6/15/2004	Tetrachloroethene	320		5
Influent Dup	SC-67	B1BS8	6/15/2004	Tetrachloroethene	2.1	7	5
				MTBE	2.3		
				cis -1,2-Dichloroethene	1.2		
				Trichloroethene	2.2		
Trip Blank	SC-TB	B1BS9	6/15/2004	Tetrachloroethene	330		5
				None			

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**	Discharge Criteria
Influent	SC-01	B1FJ2	7/13/2004	Acetone	0.8		5
				MTBE	2.3		
				cis-1,2-Dichloroethene	1.1		
				Trichloroethene	1.7		
				Tetrachloroethene	170		5
Effluent	SC-04	B1FJ3	7/13/2004	Acetone	0.72		5
				Tetrachloroethene	2		5
Influent Dup	SC-67	B1FJ4	7/13/2004	MTBE	2.4		
				cis-1,2-Dichloroethene	1.1		
				Trichloroethene	1.8		
				Tetrachloroethene	160		5
Trip Blank	SC-TB	B1FJ5	7/13/2004	Acetone	0.73		5
				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		5
				Acetone	2		5
Effluent	SC-04	B1GH3	8/16/2004	Tetrachloroethene	5.4		5
				Acetone	1.6		5
Influent Dup	SC-69	B1GH4	8/16/2004	Acetone	1.2		5
				MTBE	2		
				cis-1,2-Dichloroethene	0.7		
				Trichloroethene	1.5		
				Tetrachloroethene	210		5
Influent	SC-01		9/28/2004	Chloromethane	0.80		
				Acetone	1.0		5
				MTBE	1.5		
				cis-1,2-Dichloroethene	0.70		
				Trichloroethene	1.4		
Effluent	SC-04		9/28/2004	Tetrachloroethene	200		5
				Chloromethane	0.80		
				Acetone	2.1		5
				Tetrachloroethene	1.7		5
Influent Dup	SC-70		9/28/2004	Acetone	1.0		5
				MTBE	1.3		
				cis-1,2-Dichloroethene	0.60		
				Trichloroethene	1.4		
				Tetrachloroethene	210		5
Trip Blank	SC-TB		9/28/2004	Acetone	2.2		5
				2-Butanone	1.5		
Influent	SC-01	B1LZ2	10/21/2004	Acetone	5	J	5
				Methylene chloride	0.2	J	
				MTBE	0.82		
				cis-1,2-Dichloroethene	0.5		
				Trichloroethene	1.2		
Effluent	SC-04	B1LZ3	10/21/2004	Tetrachloroethene	220		5
				Acetone	5	J	5
				Methylene chloride	0.5	UJ	
				Tetrachloroethene	0.2	J	5
Influent Dup	SC-71	B1LZ4	10/21/2004	Acetone	5	J	5
				Methylene chloride	1.1		
				MTBE	1.1		
				cis-1,2-Dichloroethene	0.64		
				Trichloroethene	1.1		
Trip Blank	SC-TB	B1LZ5	10/21/2004	Tetrachloroethene	210	D	5
				Acetone	5.7		5
				Methylene chloride	0.68		
				Toluene	0.39	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**	Discharge Criteria
Influent	SC-01	B1T22	11/17/2004	Acetone	3	J	5
				Methylene chloride	1.3	U	
				MTBE	1.3		
				cis-1,2-Dichloroethene	0.64		
				Trichloroethene	1.2		
				Tetrachloroethene	170	D	5
Effluent	SC-04	B1T23	11/17/2004	Methyl Acetate	0.5	UJ	
				Methylene chloride	0.5	U	
				Methylene chloride	0.85	U	
Influent Dup	SC-72	B1T24	11/17/2004	MTBE	1.3		
				cis-1,2-Dichloroethene	0.5		
				Trichloroethene	0.83		
				Tetrachloroethene	160	D	5
				Acetone	3	J	5
Trip Blank	SC-TB	B1T25	11/17/2004	Methyl Acetate	0.5	UJ	
				Methylene chloride	0.46	J	
				2-Butanone	2.4	J	
				Tetrachloroethene	9.6		5
				1,2,3-Trichlorobenzene	0.5	UJ	5
				MTBE	1.6		
Influent	SC-01	B1T79	12/15/2004	cis-1,2-Dichloroethene	0.45	J	
				Trichloroethene (TCE)	1.0	J	5
				Tetrachloroethene	100	D	5
				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	U	
				1,2,4-Trichlorobenzene	0.5	U	
				1,2,3-Trichlorobenzene	0.5	U	5
				Methyl tert-Butyl Ether	1.6		
Influent Dup	SC-73	B1T80	12/15/2004	cis-1,2-Dichloroethene	0.48	J	
				Trichloroethene	0.98	J	
				4-Methyl-2-pentanone	10	R	
				Tetrachloroethene	98	D	5
				2-Hexanone	10	R	
				Chloroform	0.1	J	
Trip Blank	SC-TB	B1T82	12/15/2004	Cyclohexane	0.15	J	
				Benzene	0.5	U	
				Toluene	0.21	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**	Discharge Criteria
Influent	SC-01	B1W00	1/21/2005	MTBE	1.5		
				cis-1,2-Dichloroethene	0.7		
				Trichloroethene (TCE)	1.4		5
				Tetrachloroethene	160		5
Effluent	SC-04	B1W02	1/21/2005	Acetone	1.8		5
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		5
				Acetone	10		5
Trip Blank	SC-TB	B1W03	1/21/2005	Acetone	3.5		5
Influent	SC-01	AG00197	2/3/2005	MTBE	1.4		
				cis-1,2-Dichloroethene	0.5		
				Trichloroethene (TCE)	1.1		5
				Tetrachloroethene	140		5
Effluent	SC-04	AG00198	2/3/2005	Acetone	1.2		5
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		5
				Acetone	1.1		5
Trip Blank	SC-TB	AG00200	2/3/2005	Acetone	4.3		5
				4-Methyl-2-pentanone	1.2		
Influent	SC-01	AG00468	3/9/2005	MTBE	1.4		
				Acetone	2.5		5
				Trichloroethene (TCE)	1.1		5
				Tetrachloroethene	130		5
Effluent	SC-04	AG00469	3/9/2005	Acetone	1.8		5
Influent Dup	SC-76	AG00470	3/9/2005	MTBE	1.4		
				Acetone	1.2		5
				Trichloroethene	1.1		
				Tetrachloroethene	130		5
Trip Blank	SC-TB	AG00471	3/9/2005	Acetone	1.7		5
				Chloroform	1.6		
Influent (EPA-EXT-02)	SC-01	AG00825	4/22/2005	MTBE	1.7		
				2-Butanone	2.2		
				Acetone	2.4		5
				Trichloroethene (TCE)	1.1		5
Influent (EPA-EXT-4R)	SC-02	AG00826	4/22/2005	Tetrachloroethene	65		5
				2-Butanone	2.5		
				Acetone	5.1		5
				Trichloroethene (TCE)	1.3		5
Effluent	SC-04	AG00827	4/22/2005	Tetrachloroethene	9.5		5
				None			
Influent Dup (EPA-EXT-02) (EPA-EXT-4R)	SC-77	AG00828	4/22/2005	2-Butanone	2.8		
				Acetone	4.9		5
				Trichloroethene	1.3		
				Tetrachloroethene	9		5

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**	Discharge Criteria
Trip Blank	SC-TB	AG00829	4/22/2005	Acetone	1		5
				Chloroform	1.7		
				Trichloroethene (TCE)	0.84		5
Influent (EPA-EXT-02)	SC-01	AG01320	5/24/2005	MTBE	1.1		
				Trichloroethene (TCE)	1.0		5
				Tetrachloroethene	100		5
Influent (EPA-EXT-4R)	SC-02	AG01321	5/24/2005	Tetrachloroethene	8.8		5
Effluent	SC-04	AG01322	5/24/2005	Acetone	1.3		5
Influent Dup (EPA-EXT-02) (EPA-EXT-4R)	SC-78	AG01323	5/24/2005	Tetrachloroethene	8.6		5
Trip Blank	SC-TB	AG01324	5/24/2005	Acetone	1.3		5
				Chloroform	13		
				Bromodichloromethane	2.5		
Influent (EPA-EXT-02)	SC-01	AG02074	6/22/2005	MTBE	0.98		
				Trichloroethene (TCE)	0.8		5
				Tetrachloroethene	95		5
				Acetone	2.7	K	5
				Ethyl Acetate	10	NJ	
Influent (EPA-EXT-4R)	SC-02	AG02075	6/22/2005	Tetrachloroethene	9.1		5
				Acetone	1.9	K	5
				Ethyl Acetate	3.6	NJ	
				Propane, 2-Isothiocyanato-2	0.8	NJ	
				MTBE	0.64		
Influent		AG02076	6/22/2005	Tetrachloroethene	50		5
				Acetone	2	K	5
				Trichloroethene (TCE)	0.56		5
				Ethyl Acetate	8.8	NJ	
				Acetone	2.6	K	5
Effluent	SC-04	AG02072	6/22/2005	Ethyl Acetate	6.2	NJ	
EffluentDup	SC-04	AG02073	6/22/2005	Acetone	2.6	K	5
				Ethyl Acetate	3.3	NJ	
Trip Blank	SC-TB	AG02077	6/22/2005	Acetone	2.4	K	5
				Chloroform	13		
				Bromodichloromethane	2.7		
				Ethyl Acetate	3.1	NJ	
Influent (EPA-EXT-02)	SC-01	AG02780	7/12/2005	MTBE	0.9		
				Trichloroethene (TCE)	0.8		5
				Tetrachloroethene	85		5
				Acetone	1	K	5
Influent (EPA-EXT-4R)	SC-02	AG02781	7/12/2005	Tetrachloroethene	7.4		
				Acetone	2.1	K	5
				Ethyl Acetate	4.1	NJ	
				Propane, 2-Isothiocyanato-2	1.4	NJ	
Influent		AG02782	7/12/2005	MTBE	0.52		
				Tetrachloroethene	43		5
Effluent	SC-04	AG02778	7/12/2005	Acetone	2.8	K	5
				Ethyl Acetate	11	NJ	
EffluentDup	SC-04	AG02779	7/12/2005	Acetone	1.9	K	5
				Ethyl Acetate	5.2	NJ	
Trip Blank	SC-TB		7/12/2005	Acetone	1.5	K	5
				Chloroform	12		
				Bromodichloromethane	2.6		

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**	Discharge Criteria
Influent (EPA-EXT-02)	SC-01	AG03721	8/15/2005	MTBE	0.68		
				Trichloroethene (TCE)	0.73		5
				Tetrachloroethene	88		5
Influent (EPA-EXT-4R)	SC-02	AG03722	8/15/2005	Tetrachloroethene	9.7		5
				Propane, 2-Isothiocyanato-2	0.53	NJ	
Influent		AG03723	8/15/2005	Tetrachloroethene	43		5
Effluent	SC-04	AG03725	8/15/2005	Acetone	ND (5.0)		5
EffluentDup	SC-04	AG03720	8/15/2005	Acetone	ND (5.0)		5
Trip Blank	SC-TB	AG03724	8/15/2005	Chloroform	13		
				Bromodichloromethane	2.6		
Influent (EPA-EXT-02)	SC-01	AG04086	9/8/2005	MTBE	0.76		
				Trichloroethene (TCE)	0.74		5
				Tetrachloroethene	90		5
Influent (EPA-EXT-4R)	SC-02	AG04087	9/8/2005	Tetrachloroethene	9.8		5
Influent		AG04088	9/8/2005	MTBE	0.63		
				Tetrachloroethene	44		5
Effluent	SC-04	AG04084	9/8/2005	Acetone	ND (1.0)		5
EffluentDup	SC-04	AG04085	9/8/2005	Acetone	1.0		5
Trip Blank	SC-TB	AG04089	9/8/2005	Chloroform	11		
				Bromodichloromethane	2.2		
Influent (EPA-EXT-02)	SC-01	AG07649	10/5/2005	MTBE	0.82		
				Trichloroethene (TCE)	0.78		5
				Tetrachloroethene	100		5
Influent (EPA-EXT-4R)	SC-02	AG07650	10/5/2005	Tetrachloroethene	9.3		5
Influent		AG07651	10/5/2005	MTBE	0.6		
				Acetone	1		5
				Tetrachloroethene	52		5
Effluent	SC-04	AG07647	10/5/2005	Acetone	1.1		
EffluentDup	SC-04	AG07648	10/5/2005	Acetone	1.4		
Trip Blank	SC-TB	AG07652	10/5/2005	Chloroform	ND		
				Acetone	1.4	K	
Influent (EPA-EXT-02)	SC-01	AG08530	11/14/2005	MTBE	0.92		
				Trichloroethene (TCE)	0.81		5
				Tetrachloroethene	95		5
Influent (EPA-EXT-4R)	SC-02	AG08531	11/14/2005	Acetone	1.0	K	5
				Tetrachloroethene	10		5
Influent		AG08532	11/14/2005	MTBE	0.9		
				Acetone	1.4	K	5
				Trichloroethene (TCE)	0.74		5
				Tetrachloroethene	91		5
Effluent	SC-04	AG08528	11/14/2005	Acetone	ND		5
EffluentDup	SC-04	AG08529	11/14/2005	Acetone	ND		5
Trip Blank	SC-TB	AG08533	11/14/2005	Acetone	2.0	K	5

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**	Discharge Criteria
Influent (EPA-EXT-02)	SC-01	AG08953	12/6/2005	Acetone	4.1		
				MTBE	0.85		
				Trichloroethene (TCE)	0.67		5
				Tetrachloroethene	90		5
				1-Butanol	0.63	NJ	
Influent (EPA-EXT-4R)	SC-02	AG08954	12/6/2005	Acetone	1.4	K	5
				Tetrachloroethene	9.5		5
Influent		AG08955	12/6/2005	MTBE	0.9		
				Acetone	1.4	K	5
				Trichloroethene (TCE)	0.77		5
				Tetrachloroethene	89		5
Effluent	SC-04	AG08951	12/6/2005	Acetone	1.5	K	5
EffluentDup	SC-04	AG08952	12/6/2005	Acetone	3.0	K	5
Trip Blank	SC-TB		12/6/2005	Acetone	ND		5
Influent (EPA-EXT-02)	SC-01	AH00216	1/10/2006	Acetone	ND		5
				MTBE	0.98		
				Trichloroethene (TCE)	0.79		5
				Tetrachloroethene	93		5
Influent (EPA-EXT-4R)	SC-02	AH00217	1/10/2006	Acetone	ND (1.0)		5
				Tetrachloroethene	8.2		5
Influent		AH00218	1/10/2006	MTBE	0.94		
				Acetone	ND (1.0)		5
				Trichloroethene (TCE)	0.85		5
				Tetrachloroethene	90		5
Effluent	SC-04	AH00214	1/10/2006	Acetone	ND (1.0)		5
EffluentDup	SC-04	AH00215	1/10/2006	Furan, Tetrahydro	0.52	NJ	
Trip Blank	SC-TB	AH00219		Acetone	ND (1.0)		5
Influent	SC-01	AH01177	2/15/2006	MTBE	1.2		
				Trichloroethene (TCE)	0.72		5
				Tetrachloroethene	80		5
MW-19		AH01178	2/15/2006	Acetone	1.2		5
				Trichloroethene (TCE)	1.2		5
				Tetrachloroethene	85		5
MW-21		AH01179	2/15/2006	Trichloroethene (TCE)	2.6		5
				Tetrachloroethene	27		5
Effluent		AH01175	2/15/2006	None			
Effluent Duplicate		AH01176	2/15/2006	None			
Trip Blank	SC-TB	AH00219	2/15/2006	Chloroform	10		
				Bromodichloromethane	2.3		
Influent	SC-01	AH01256	3/8/2006	MTBE	1.4		
				Trichloroethene (TCE)	0.71		5
				Tetrachloroethene	83		5
				Acetone	2		5
Effluent	SC-04	AH01254	3/8/2006	Acetone	2		5
Effluent Duplicate	SC-04	AH01255	3/8/2006	Acetone	2.4		5
				Acetone	2		5
Trip Blank	SC-TB	AH01257	3/8/2006	Bromodichloromethane	5		
				Chloroform	14		
				MTBE	1.5		
Influent	SC-01	AH01641	4/5/2006	Trichloroethene	0.57		
				Tetrachloroethene	68		5
				Acetone	1.7		5
				Ethyl Acetate	1.5	NJ	5
				Acetone	1.7		5
Effluent	SC-04	AH01639	4/5/2006	Ethyl Acetate	1.7	NJ	5
Effluent A	SC-04	AH01640	4/5/2006	Acetone	4.6		5
			4/5/2006	Ethyl Acetate	5.3	NJ	5
Trip Blank	SC-TB	AH01642	4/5/2006	Acetone	1.7		5

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**	Discharge Criteria
Influent (MW-24 & EPA-EXT-02)	SC-01	AH02078	5/3/2006	Acetone	2.3		5
				MTBE	1.7		
				Trichloroethene (TCE)	0.72		
				Tetrachloroethene	80		5
Effluent	SC-04	AH02076	5/3/2006	Chloromethane	0.51		
				Acetone	1.6		5
Effluent-A	SC-04	AH02077	5/3/2006	Acetone	2.2		5
Trip Blank	SC-TB	AH02079	5/3/2006	Acetone	1.8		5
Influent	SC-01	AH02645	6/8/2006	Acetone	1.8	K	5
				MTBE	1.6		
				Trichloroethene (TCE)	70		
				Ethyl Acetate	0.7	NJ	5
Effluent	SC-04	AH02643	6/8/2006	Acetone	1.2	K	5
Effluent-A	SC-04	AH02644	6/8/2006	Acetone	1.5	K	
			6/8/2006	Ethyl Acetate	1	NJ	5
Trip Blank	SC-TB	AH02646	6/8/2006	None			
Influent (MW-24 & EPA-EXT-02)	SC-01	AH03367	7/12/2006	Acetone	1.8		5
				MTBE	1.6		
				Tetrachloroethene	74		5
				None			
Effluent	SC-04	AH03367	7/12/2006	None			
Effluent A	SC-04	AH03368	7/12/2006	None			
Trip Blank	SC-TB	AH03370	7/12/2006	None			
Influent (MW-24 & EPA-EXT-02)	SC-01	AH04373	8/9/2006	Acetone	1.3	J	5
				MTBE	1.6		
				Trichloroethene (TCE)	0.55		
				Tetrachloroethene	65		5
Effluent	SC-04	AH04371	8/9/2006	Acetone	1.3	J	5
Effluent A	SC-04	AH04372	8/9/2006	Acetone	2	J	5
Trip Blank	SC-TB	AH04374	8/9/2006	Acetone	0.78	J	5
Influent (MW-24 & EPA-EXT-02)	SC-01	AH05500	9/6/2006	MTBE	1.7		
				Trichloroethene (TCE)	0.68		
				Tetrachloroethene	69		5
				None			
Effluent	SC-04	AH05498	9/6/2006	None			
Effluent A	SC-04	AH05499	9/6/2006	Chloromethane	0.64		5
Trip Blank	SC-TB	AH05501	9/6/2006	None			
Influent (MW-24 & EPA-EXT-02)	SC-01	AH05962	10/4/2006	MTBE	1		
				Trichloroethene (TCE)	0.54		
				Tetrachloroethene	68		5
				None			
Effluent	SC-04	AH05960	10/4/2006	None			
Effluent A	SC-04	AH05961	10/4/2006	None			5
Trip Blank	SC-TB	AH05963	10/4/2006	None			
Influent (MW-24 & EPA-EXT-02)	SC-01	AH06624	11/8/2006	MTBE	1.4		
				Tetrachloroethene	67		5
				None			
				None			5
Effluent	SC-04	AH06622	11/8/2006	None			
Effluent A	SC-04	AH06623	11/8/2006	None			5
Trip Blank	SC-TB	AH06625	11/8/2006	MTBE	0.6		
Influent (MW-24 & EPA-EXT-02)	SC-01	AH07022	12/14/2006	MTBE	1.4	J	
				Tetrachloroethene	58		5
				None			
				None			
Effluent	SC-04	AH07020	12/14/2006	None			
Effluent A	SC-04	AH07021	12/14/2006	None			
Trip Blank	SC-TB	AH07023	12/14/2006	Methylene Chloride	1.3		5
Influent (MW-24 & EPA-EXT-02)	SC-01	AJ00067	1/11/2007	MTBE	1.1	K	
				Tetrachloroethene	51		5
				None			
				None			
Effluent	SC-04	AJ00065	1/11/2007	None			
Effluent A	SC-04	AJ00066	1/11/2007	None			
Trip Blank	SC-TB	AJ00068	1/11/2007	Methylene Chloride	1.3		5
Influent (MW-24 & EPA-EXT-02)	SC-01	AJ00524	2/20/2007	MTBE	0.59		
				Tetrachloroethene	54		5
				None			
				None			5
Effluent	SC-04	AJ00522	2/20/2007	None			
Effluent A	SC-04	AJ00523	2/20/2007	None			5
Trip Blank	SC-TB	AJ00525	2/20/2007	Methylene Chloride	0.81	K	5

Stanton Cleaners Analytical Tracking Table
Influent and Effluent Groundwater Data

Sample Location	ECC ID*	EPA ID	Date Collected	Compounds Detected	Result (µg/L)	Qualifier**	Discharge Criteria
Influent (MW-24 & EPA-EXT-)	SC-01	AJ01186	3/7/2007	MTBE	1		
				Tetrachloroethene	57		5
Effluent	SC-04	AJ01184	3/7/2007	None			
Effluent A	SC-04	AJ01185	3/7/2007	None			
Trip Blank	SC-TB	AJ01187	3/7/2007	None			
Influent (MW-24 & EPA-EXT-)	SC-01	AJ02250	5/3/2007	Methylene Chloride	0.69		
				Tetrachloroethene	62		5
Effluent	SC-04	AJ02248	5/3/2007	None			
Effluent A	SC-04	AJ02249	5/3/2007	Methylene Chloride	0.65		
Trip Blank	SC-TB	AJ02251	5/3/2007	None			
Influent (MW-24 & EPA-EXT-)	SC-01	AJ02893	6/13/2007	Tetrachloroethene	47		5
Effluent	SC-04	AJ02891	6/13/2007	None			
Effluent A	SC-04	AJ02892	6/13/2007	None			
Trip Blank	SC-TB	AJ02894	6/13/2007	None			

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 qualifiers and did not perform a separate review or validation of the data.

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

J = qualified as estimated

NJ = 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 = methyl tertiary - butyl ether

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**

6/13/2007
Project # 70536

	Pipe ID	MultiRAE Plus PGM-50					VelociCalc Plus				
		VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pre.	%RH	Dew pt.	Flow
SVE-Influent	5.709	0.0	0	20.9%	0%	0%	79.9	+	61.2%	67.9	83.0
Post Air Stripper	11.294	0.0	0	20.9%	0%	0%	77.7	+	85.7%	56.8	116.0
SVE-Effluent ¹	5.706	0.0	0	20.9%	0%	0%	79.9	+	88.4%	57.0	50.5
GW Post Vapor Effluent ²	11.294	0.0	0	20.9%	0%	0%	79.4	+	68.4%	60.9	50.5
EPA-SVE-1 (shallow)	1.913	0.0	0	20.9%	0%	0%	67.0	5.00	70.2%	56.5	71.5
EPA-SVE-1 (medium)	1.913	0.0	0	20.9%	0%	0%	67.1	5.00	68.1%	56.2	67.8
EPA-SVE-2 (shallow)	1.913	0.0	0	20.9%	0%	0%	68.1	2.00	69.1%	55.1	40.0
EPA-SVE-2 (medium)	1.913	0.0	0	20.9%	0%	0%	67.6	2.00	77.1%	58.3	25.8
SS-A	1.913	0.0	0	20.9%	0%	0%	69.1	1.30	61.2%	56.7	8.3
EPA-SVE-04R/SS-B(A)	1.913	0.0	0	20.9%	0%	0%	73.4	1.50	66.9%	60.4	27.2
SS-B-C	1.913	0.0	0	20.9%	0%	0%	68.3	2.00	65.8%	62.8	3.7
SS-C	1.913	0.0	0	20.9%	0%	0%	74.5	2.00	61.2%	59.0	67.0
L1	1.913	0.0	0	20.9%	0%	0%	73.1	4.00	67.4%	61.7	0.2
L2	1.913	Not Measured - Offline									
SS-B(B)	1.913	0.0	0	20.9%	0%	0%	70.3	1.50	68.7%	59.4	48.7
SS Vent-LIHA	3.786	Offline									
Vapor Point-1/Slope 1		0.0	0	20.9%	0%	0%	NM	NM	NM	NM	NM
SVE-3A	1.913	0.0	0	20.9%	0%	0%	71.3	9.00	63.4%	55.7	29.4
SVE-3B	1.913	0.0	0	20.9%	0%	0%	72.1	6.50	67.5%	55.7	156.0
Background											

Equipment calibrated by: Russell Kolasek, Donald Applegate

Air readings collected by: Donald Applegate

Comments: The LIHA vent does not seem to be running.

VOC: Volatile Organic Compounds

CO: Carbon Monoxide

LEL: Lower Explosive Limit

ppm: parts per million

temperature: measured in degrees Fahrenheit

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 Fahrenheit

AS: Air Stripper

SVE: Soil Vapor Extraction System

NM=Not Measured

¹Formerly Post SVE Carbon

²Formerly Post Air Stripper Carbon

³Formerly Sub-Slab A,B, and C

⁴Formerly Sub-Slab D

⁵Formerly Sub-Slab B

NA- Not Available

	Prior to 10/3/05	As of 06/13/07
SVE 1	shallow on	shallow and medium on
SVE 2	shallow on	not measurable
SVE 3	shallow on	A & B on
SVE 4	off	off
EPA-SVE-04R/SSB(A)	on	on
SS-A	on	on
SS-B(B)	on	on
SS-B(C)	on	on
L1	on	on
L2	on	off

Comments:

L2 is offline

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

6/26/2007

Project # 70538

	Pipe ID	MultiRAE Plus PGM-50					VelociCalc Plus				
		VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pre.	%RH	Dew pt.	Flow
SVE-Influent	5.709	0.0	0	20.9%	0%	0%	100.0	+	28.5%	73.1	270.0
Post Air Stripper	11.294	0.0	0	20.9%	0%	0%	68.7	+	98.0%	60.1	1950.0
SVE-Effluent ¹	5.706	0.0	0	20.9%	0%	0%	90.1	+	67.0%	72.1	290.0
GW Post Vapor Effluent ²	11.294	0.0	0	20.9%	0%	0%	67.8	+	73.1%	63.0	2200.0
EPA-SVE-1 (shallow)	1.913	0.0	0	20.9%	0%	0%	80.1	3.00	79.5%	71.0	82.5
EPA-SVE-1 (medium)	1.913	0.0	0	20.9%	0%	0%	82.0	3.10	78.8%	72.3	3.1
EPA-SVE-2 (shallow)	1.913	0.0	0	20.9%	0%	0%	87.0	4.00	59.0%	70.2	41.2
EPA-SVE-2 (medium)	1.913	0.0	0	20.9%	0%	0%	86.5	2.50	81.0%	71.1	6.3
SS-A	1.913	0.0	0	20.9%	0%	0%	88.0	4.00	62.5%	73.7	40.8
EPA-SVE-04R/SS-B(A)	1.913	0.0	0	20.9%	0%	0%	93.1	3.50	53.3%	72.3	35.1
SS-B-C	1.913	0.0	0	20.9%	0%	0%	89.3	3.00	71.1%	74.3	47.1
SS-C	1.913	0.0	0	20.9%	0%	0%	95.1	3.00	60.7%	70.5	47.2
L1	1.913	0.0	0	20.9%	0%	0%	95.9	4.00	50.6%	75.5	121.0
L2	1.913	Not Measured - Offline									
SS-B(B)	1.913	0.0	0	20.9%	0%	0%	90.4	3.80	54.4%	71.1	38.8
SS Vent-LHA	3.706	Offline									
Vapor Point-1/Slope 1		0.0	0	20.9%	0%	0%	NM	NM	NM	NM	NM
SVE-3A	1.913	0.0	0	20.9%	0%	0%	95.1	9.00	65.6%	107	over
SVE-3B	1.913	0.0	0	20.9%	0%	0%	96.6	8.00	66.7%	80.2	over
Background											

Equipment calibrated by: Donald Applegate

Air readings collected by: Donald Applegate

Comments: The LHA vent does not seem to be running.

VOC: Volatile Organic Compounds

CO: Carbon Monoxide

LEL: Lower Explosive Limit

ppm: parts per million

temperature: measured in degrees Fahrenheit

pressure: measured in inches of water (inH₂O), inches of mercury (inHg), or

pounds per square inch (psi).

Flow: measured in cubic feet per minute (cfm)

%RH: relative humidity

Dew Pt.: dew point in degrees Fahrenheit

AS: Air Stripper

SVE: Soil Vapor Extraction System

NM=Not Measured

¹Formerly Post SVE Carbon

²Formerly Post Air Stripper Carbon

³Formerly Sub-Slab A,B, and C

⁴Formerly Sub-Slab D

⁵Formerly Sub-Slab B

NA- Not Available

Prior to 10/3/95

As of 06/26/07

SVE 1	shallow on	shallow and medium on
SVE 2	shallow on	not measurable
SVE 3	shallow on	A & B on
SVE 4	off	off
EPA-SVE-04R/SSB(A)	on	on
SS-A	on	on
SS-B(B)	on	on
SS-B (C)	on	on
L1	on	on
L2	on	off

Comments:

L2 is offline

Appendix H

Historical Groundwater Level Monitoring Results (Ongoing)

A Tyco Infrastructure Services Company

PROJECT:	Stanton Cleaners					JOB NUMBER:	70536
LOCATION:	Great Neck, NY					DATE	6/13/2007
CLIENT:	USACE / USEPA					MEASURED BY:	R. Kolacek
SURVEY DATUM:	ft msl						D. Applegate
MEASURING DEVICE:	Solinst Water Level Indicator S/N# 34407						
WELL NUMBER	MEASURING POINT		DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	COMMENTS		
	Description	Elevation (FT)					
EPA-MW-11D	ft BTOC	74.63	57.24	17.39	no bolts		
EPA-MW-21	ft BTOC	84.13	64.49	19.64	no bolts		
EPA-MW-22	ft BTOC	82.20	62.22	19.98			
EPA-MW-23	ft BTOC	82.83	64.14	18.69			
EPA-MW-27	ft BTOC	69.32	49.85	19.47	no bolts		
ST-MW-02	ft BTOC	82.03	62.07	19.96	top of PVC		
ST-MW-06	ft BTOC	69.83	44.08	25.75	top of PVC		
ST-MW-09	ft BTOC	78.13	62.40	15.73			
ST-MW-11	ft BTOC	75.25	58.08	17.17	no bolts		
ST-MW-12	ft BTOC	87.20	69.54	17.66	missing 2 bolt		
ST-MW-14	ft BTOC	69.73	53.73	16.00	no bolts		
ST-MW-16	ft BTOC	75.78	52.92	22.86	no bolts		
ST-MW-17	ft BTOC	86.53	74.31	12.22	no bolts		
ST-MW-19	ft BTOC	82.50	64.50	18.00	no bolts		
ST-MW-20	ft BTOC	84.53	69.85	14.68	no bolts		
Notes:							
During water level measurements, WAGNN Well # 2A was pumping at 1000 GPM, Well #10 was pumping at 800 GPM. Well #11 was pumping at 1200 GPM and Well #12 was pumping at 1200 GPM.							

**STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE
GREAT NECK, NASSAU COUNTY, NEW YORK**

Well ID	Top of PVC Elevation (ft msl)	10/29/2003		10/31/2003		11/22/03 - 11/23/03	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	57.74	16.89	57.94	16.69	60.07	14.56
EPA-MW-21	84.13	66.70	17.43	66.14	17.99	66.86	17.27
EPA-MW-22	82.20	64.51	17.69	64.08	18.12	65.09	17.11
EPA-MW-23	82.83	64.97	17.86	64.54	18.29	78.61	4.22
EPA-MW-27	69.32	51.74	17.58	51.12	18.20	52.85	16.47
ST-MW-02	82.03	64.19	17.84	63.78	18.25	64.40	17.63
ST-MW-06	69.83	63.43	6.40	44.82	25.01	44.92	24.91
ST-MW-09	78.13	61.39	16.74	60.67	17.46	62.52	15.61
ST-MW-11	75.25	58.67	16.58	58.06	17.19	60.59	14.66
ST-MW-12	87.20	73.84	13.36	70.18	17.02	72.01	15.19
ST-MW-14	69.73	50.94	18.79	50.76	18.97	56.40	13.33
ST-MW-16	75.78	55.51	20.27	55.53	20.25	65.51	10
ST-MW-17	86.53	69.95	16.58	69.27	17.26	71.55	14.98
ST-MW-19	82.50	67.01	15.49	64.93	17.57	68.04	14.46
ST-MW-20	84.53	65.99	18.54	65.83	18.70	73.45	11.08

Well ID	Top of PVC Elevation (ft msl)	12/17/03 - 12/18/03		1/12/2004		2/26/2004	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.00	15.63	57.52	17.11	56.50	18.13
EPA-MW-21	84.13	64.99	19.14	66.17	17.96	64.30	19.83
EPA-MW-22	82.20	63.03	19.17	63.99	18.21	61.90	20.30
EPA-MW-23	82.83	77.05	5.78	64.45	18.38	63.00	19.83
EPA-MW-27	69.32	51.75	17.57	51.22	18.10	50.50	18.82
ST-MW-02	82.03	63.25	18.78	64.03	18.00	62.03	20.00
ST-MW-06	69.83	43.10	26.73	45.74	24.09	44.40	25.43
ST-MW-09	78.13	61.50	16.63	--	--	60.00	18.13
ST-MW-11	75.25	59.23	16.02	62.10	13.15	60.90	14.35
ST-MW-12	87.20	72.00	15.20	70.27	16.93	60.50	26.70
ST-MW-14	69.73	55.05	14.68	NA	NA	48.70	21.03
ST-MW-16	75.78	64.18	11.60	54.99	20.79	53.00	22.78
ST-MW-17	86.53	69.99	16.54	69.40	17.13	67.25	19.28
ST-MW-19	82.50	67.21	15.29	--	--	65.25	17.25
ST-MW-20	84.53	71.56	12.97	63.51	21.02	61.75	22.78

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

Well ID	Top of PVC Elevation (ft msl)	3/29/2004		4/5/2004		5/19/2004	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	60.00	14.63	60.36	14.27	60.30	14.33
EPA-MW-21	84.13	66.99	17.14	67.38	16.75	67.10	17.03
EPA-MW-22	82.20	61.90	20.30	65.00	17.20	64.98	17.22
EPA-MW-23	82.83	65.10	17.73	65.59	17.24	65.25	17.58
EPA-MW-27	69.32	52.08	17.24	52.84	16.48	53.10	16.22
ST-MW-02	82.03	63.99	18.04	64.90	17.13	64.87	17.16
ST-MW-06	69.83	45.60	24.23	46.24	23.59	46.25	23.58
ST-MW-09	78.13	62.80	15.33	--	--	62.00	16.13
ST-MW-11	75.25	60.00	15.25	60.85	14.40	60.46	14.79
ST-MW-12	87.20	72.22	14.98	72.22	14.98	72.12	15.08
ST-MW-14	69.73	56.99	12.74	57.87	11.86	58.13	11.60
ST-MW-16	75.78	54.68	21.10	55.48	20.30	55.09	20.69
ST-MW-17	86.53	70.25	16.28	71.76	14.77	71.80	14.73
ST-MW-19	82.50	66.00	16.50	--	--	65.78	16.72
ST-MW-20	84.53	71.45	13.08	73.78	10.75	73.65	10.88

Well ID	Top of PVC Elevation (ft msl)	6/14/2004		7/21/04 - 7/22/04		8/2/2004	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.97	14.66	59.75	14.88	59.75	14.88
EPA-MW-21	84.13	67.00	17.13	66.99	17.14	66.11	18.02
EPA-MW-22	82.20	64.78	17.42	64.50	17.70	64.33	17.87
EPA-MW-23	82.83	66.21	16.62	66.10	16.73	65.16	17.67
EPA-MW-27	69.32	53.05	16.27	52.98	16.34	54.86	14.46
ST-MW-02	82.03	65.11	16.92	65.00	17.03	59.85	22.18
ST-MW-06	69.83	45.99	23.84	45.66	24.17	44.11	25.72
ST-MW-09	78.13	62.00	16.13	61.79	16.34	--	--
ST-MW-11	75.25	60.40	14.85	60.39	14.86	60.50	14.75
ST-MW-12	87.20	72.29	14.91	72.20	15.00	71.36	15.84
ST-MW-14	69.73	58.55	11.18	58.34	11.39	55.56	14.17
ST-MW-16	75.78	55.09	20.69	55.01	20.77	54.85	20.93
ST-MW-17	86.53	71.52	15.01	71.46	15.07	70.80	15.73
ST-MW-19	82.50	65.00	17.50	64.77	17.73	--	--
ST-MW-20	84.53	73.44	11.09	73.25	11.28	71.66	12.87

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

Well ID	Top of PVC Elevation (ft msl)	9/28/04 - 9/29/04		10/12/04 -10/13/04		11/3/2004	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.70	14.93	58.97	15.66	58.95	15.68
EPA-MW-21	84.13	66.75	17.38	66.50	17.63	66.41	17.72
EPA-MW-22	82.20	64.41	17.79	64.34	17.86	64.32	17.88
EPA-MW-23	82.83	65.11	17.72	65.00	17.83	64.87	17.96
EPA-MW-27	69.32	52.31	17.01	52.25	17.07	52.26	17.06
ST-MW-02	82.03	65.00	17.03	65.03	17.00	65.00	17.03
ST-MW-06	69.83	44.55	25.28	55.34	14.49	55.29	14.54
ST-MW-09	78.13	62.00	16.13	62.12	16.01	62.15	15.98
ST-MW-11	75.25	60.41	14.84	60.50	14.75	60.34	14.91
ST-MW-12	87.20	72.00	15.20	72.21	14.99	72.22	14.98
ST-MW-14	69.73	56.71	13.02	56.50	13.23	56.49	13.24
ST-MW-16	75.78	55.10	20.68	57.00	18.78	57.01	18.77
ST-MW-17	86.53	70.99	15.54	70.98	15.55	70.95	15.58
ST-MW-19	82.50	64.84	17.66	64.80	17.70	64.79	17.71
ST-MW-20	84.53	71.97	12.56	72.00	12.53	72.55	11.98

Well ID	Top of PVC Elevation (ft msl)	12/8/2004		1/3/2005		2/7/2005	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.75	14.88	59.10	15.53	57.63	17.00
EPA-MW-21	84.13	66.61	17.52	65.67	18.46	65.80	18.33
EPA-MW-22	82.20	64.33	17.87	64.44	17.76	65.32	16.88
EPA-MW-23	82.83	65.16	17.67	65.10	17.73	64.44	18.39
EPA-MW-27	69.32	52.24	17.08	51.87	17.45	50.85	18.47
ST-MW-02	82.03	64.54	17.49	64.78	17.25	63.90	18.13
ST-MW-06	69.83	44.11	25.72	55.41	14.42	47.32	22.51
ST-MW-09	78.13	59.98	18.15	62.31	15.82	63.44	14.69
ST-MW-11	75.25	60.50	14.75	59.99	15.26	58.64	16.61
ST-MW-12	87.20	71.36	15.84	71.98	15.22	70.45	16.75
ST-MW-14	69.73	55.56	14.17	56.51	13.22	50.15	19.58
ST-MW-16	75.78	54.85	20.93	57.08	18.70	55.15	20.63
ST-MW-17	86.53	70.80	15.73	71.03	15.50	70.75	15.78
ST-MW-19	82.50	64.32	18.18	64.76	17.74	65.01	17.49
ST-MW-20	84.53	71.66	12.87	72.43	12.10	65.09	19.44

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

Well ID	Top of PVC Elevation (ft msl)	3/22/2005		4/11/2005		5/19/2005	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	60.00	14.63	60.99	13.64	61.00	13.63
EPA-MW-21	84.13	64.50	19.63	64.00	20.13	63.21	20.92
EPA-MW-22	82.20	64.55	17.65	65.12	17.08	65.43	16.77
EPA-MW-23	82.83	65.00	17.83	65.10	17.73	65.00	17.83
EPA-MW-27	69.32	51.67	17.65	51.60	17.72	51.33	17.99
ST-MW-02	82.03	63.99	18.04	63.89	18.14	63.40	18.63
ST-MW-06	69.83	55.40	14.43	55.42	14.41	55.32	14.51
ST-MW-09	78.13	61.20	16.93	61.78	16.35	61.72	16.41
ST-MW-11	75.25	60.10	15.15	60.00	15.25	59.99	15.26
ST-MW-12	87.20	72.00	15.20	71.21	15.99	71.12	16.08
ST-MW-14	69.73	56.20	13.53	56.33	13.40	56.34	13.39
ST-MW-16	75.78	57.00	18.78	57.10	18.68	57.30	18.48
ST-MW-17	86.53	70.78	15.75	70.00	16.53	59.90	26.63
ST-MW-19	82.50	63.23	19.27	63.00	19.50	63.00	19.50
ST-MW-20	84.53	71.32	13.21	71.21	13.32	71.71	12.82

Well ID	Top of PVC Elevation (ft msl)	6/15/2005		7/7/2005		8/4/2005	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	58.70	15.93	58.51	16.12	59.07	15.56
EPA-MW-21	84.13	66.35	17.78	66.27	17.83	66.85	17.28
EPA-MW-22	82.20	63.83	18.37	63.78	18.42	64.38	17.82
EPA-MW-23	82.83	64.32	18.51	64.29	18.54	64.88	17.95
EPA-MW-27	69.32	51.45	17.87	51.35	17.97	51.84	17.48
ST-MW-02	82.03	--	--	--	--	--	--
ST-MW-06	69.83	45.70	24.13	45.90	23.93	45.80	24.03
ST-MW-09	78.13	63.45	14.68	63.29	14.84	63.94	14.19
ST-MW-11	75.25	--	--	--	--	--	--
ST-MW-12	87.20	71.02	16.18	70.71	16.49	71.42	15.78
ST-MW-14	69.73	55.08	14.65	54.99	14.74	55.45	14.28
ST-MW-16	75.78	54.54	21.24	54.71	21.07	54.82	20.96
ST-MW-17	86.53	70.35	16.18	70.17	16.36	70.78	15.75
ST-MW-19	82.50	66.82	15.68	66.89	15.61	66.53	15.97
ST-MW-20	84.53	71.20	13.33	71.07	13.46	71.59	12.94

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

Well ID	Top of PVC Elevation (ft msl)	8/30/2005		10/11/2005		11/6/2005	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63			59.28	15.35	60.09	
EPA-MW-21	84.13	67.03	17.10	67.35	16.78	67.14	16.99
EPA-MW-22	82.20	64.52	17.68	64.93	17.27	64.67	17.53
EPA-MW-23	82.83	65.03	17.80	65.43	17.40	65.17	17.66
EPA-MW-27	69.32	55.11	14.21	52.38	16.94	52.27	17.05
ST-MW-02	82.03	64.42	17.61				
ST-MW-06	69.83	46.25	23.58	45.99	23.84	43.69	26.14
ST-MW-09	78.13			64.28	13.85	64.40	13.73
ST-MW-11	75.25		--				--
ST-MW-12	87.20	71.61	15.59	71.68	15.52	71.76	15.44
ST-MW-14	69.73	55.71	14.02	55.71	14.02	57.16	12.57
ST-MW-16	75.78	55.21	20.57	55.78	20.00	54.55	21.23
ST-MW-17	86.53	70.99	15.54	71.09	15.44	71.36	15.17
ST-MW-19	82.50	66.71	15.79	66.90	15.60	66.86	15.64
ST-MW-20	84.53	71.83	12.70	71.78	12.75	74.56	9.97

Well ID	Top of PVC Elevation (ft msl)	12/19/2005		1/24/2006		2/22/2006	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.19	15.44	59.22	15.41	58.37	16.26
EPA-MW-21	84.13	66.84	17.29	66.55	17.58	65.72	18.41
EPA-MW-22	82.20	64.39	17.81	64.09	18.11	63.38	18.82
EPA-MW-23	82.83	64.89	17.94	64.61	18.22	63.91	18.92
EPA-MW-27	69.32	51.96	17.36	51.72	17.60	51.10	18.22
ST-MW-02	82.03	--	--	--	--	--	--
ST-MW-06	69.83	44.43	25.40	44.08	25.75	44.88	24.95
ST-MW-09	78.13	63.96	14.17	63.77	14.36	63.24	14.89
ST-MW-11	75.25	--	--	--	--	--	--
ST-MW-12	87.20	71.43	15.77	71.17	16.03	70.58	16.62
ST-MW-14	69.73	55.58	14.15	56.09	13.64	54.86	14.87
ST-MW-16	75.78	54.77	21.01	54.43	21.35	54.17	21.61
ST-MW-17	86.53	70.82	15.71	70.62	15.91	70.03	16.50
ST-MW-19	82.50	66.94	15.56	66.66	15.84	66.46	16.04
ST-MW-20	84.53	71.64	12.89	72.13	12.40	70.81	13.72

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

Well ID	Top of PVC Elevation (ft msl)	4/11/2006		5/2/2006	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	59.30	15.33	64.90	9.73
EPA-MW-21	84.13	66.23	17.90	63.84	20.29
EPA-MW-22	82.20	63.89	18.31	63.59	18.61
EPA-MW-23	82.83	64.44	18.39	68.99	13.84
EPA-MW-27	69.32	51.72	17.60	51.28	18.04
ST-MW-02	82.03	--	--	--	--
ST-MW-06	69.83	46.54	23.29	44.58	25.25
ST-MW-09	78.13	63.96	14.17	63.50	14.63
ST-MW-11	75.25	--	--	--	--
ST-MW-12	87.20	71.35	15.85	73.87	13.33
ST-MW-14	69.73	56.10	13.63	55.71	14.02
ST-MW-16	75.78	54.58	21.20	54.63	21.15
ST-MW-17	86.53	70.76	15.77	70.35	16.18
ST-MW-19	82.50	67.13	15.37	66.69	15.81
ST-MW-20	84.53	72.13	12.40	71.80	12.73

Well ID	Top of PVC Elevation (ft msl)	5/22/2006	
		DTW (ft BTOC)	Elevation (ft msl)
ST-MW-02	82.03	63.36	18.67
ST-MW-16	75.78	54.52	21.26
EPA-MW-25	73.24	54.03	19.21
EPA-MW-26	78.37	58.64	19.73
ST-MW-15	90.13	72.78	17.35
ST-MW-18	84.4	71.9	12.50
ST-MW-12	87.2	70.4	16.80
ST-MW-17	86.53	69.96	16.57
ST-MW-20	84.53	71.37	13.16
ST-MW-19	N/A	66.3	--
ST-MW-09	N/A	--	--
EPA-MW-9A	80.24	65.18	15.06
ST-MW-06	69.83	44.5	25.33
EPA-MW-27	69.32	51.03	18.29
ST-MW-14	69.73	55.35	14.38

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

Well ID	Top of PVC Elevation (ft msl)	6/22/06		7/20/2006		8/31/2006	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	--	--	58.62	16.01	58.12	16.51
EPA-MW-21	84.13	65.44	18.69	65.57	18.56	65.42	18.71
EPA-MW-22	82.20	63.10	19.10	63.23	18.97	63.13	19.07
EPA-MW-23	82.83	63.70	19.13	63.77	19.06	63.64	19.19
EPA-MW-27	69.32	51.78	17.54	51.00	18.32	50.80	18.52
ST-MW-02	82.03	--	--	64.11	17.92	--	--
ST-MW-06	69.83	43.81	26.02	43.43	26.40	43.61	26.22
ST-MW-09	78.13	62.92	15.21	63.18	14.95	62.92	15.21
ST-MW-11	75.25	--	--	--	--	--	--
ST-MW-12	87.20	70.24	16.96	70.56	16.64	70.21	16.99
ST-MW-14	69.73	54.38	15.35	55.57	14.16	54.82	14.91
ST-MW-16	75.78	53.85	21.93	53.54	22.24	53.75	22.03
ST-MW-17	86.53	69.74	16.79	70.05	16.48	69.71	16.82
ST-MW-19	82.50	65.70	16.80	64.97	17.53	65.69	16.81
ST-MW-20	84.53	73.45	11.08	71.54	12.99	70.86	13.67

Well ID	Top of PVC Elevation (ft msl)	9/27/2006		10/25/2006		12/13/2006	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	58.17	16.46	58.92	15.71	57.92	16.71
EPA-MW-21	84.13	65.43	18.70	65.80	18.33	65.33	18.80
EPA-MW-22	82.20	63.11	19.09	63.48	18.72	63.04	19.16
EPA-MW-23	82.83	63.68	19.15	64.04	18.79	63.53	19.30
EPA-MW-27	69.32	50.81	18.51	51.29	18.03	50.65	18.67
ST-MW-02	82.03	--	--	--	--	62.98	19.05
ST-MW-06	69.83	45.00	24.83	45.18	24.65	45.27	24.56
ST-MW-09	78.13	63.97	14.16	63.45	14.68	62.75	15.38
ST-MW-11	75.25	--	--	--	--	--	--
ST-MW-12	87.20	70.42	16.78	70.87	16.33	70.24	16.96
ST-MW-14	69.73	54.69	15.04	56.69	13.04	53.95	15.78
ST-MW-16	75.78	54.57	21.21	54.90	20.88	53.84	21.94
ST-MW-17	86.53	69.85	16.68	70.35	16.18	69.64	16.89
ST-MW-19	82.50	65.79	16.71	66.22	16.28	65.59	16.91
ST-MW-20	84.53	73.83	10.70	71.71	12.82	70.05	14.48

Notes:

ft msl - feet mean sea level

ft BTOC - feet below top of casing

-- - Not measured

Well ID	Top of PVC Elevation (ft msl)	1/10/2007		2/7/2007		3/7/2007		5/3/2007		6/13/2007	
		DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)	DTW (ft BTOC)	Elevation (ft msl)
EPA-MW-11D	74.63	--	--	58.29	16.34	58.01	16.62	57.82	16.81	57.24	17.39
EPA-MW-21	84.13	65.84	18.29	65.35	18.78			64.89	19.24	64.49	19.64
EPA-MW-22	82.2	63.51	18.69	63.11	19.09	62.89	19.31	62.91	19.29	62.22	19.98
EPA-MW-23	82.83	64.09	18.74	63.63	19.2	63.42	19.41	63.13	19.70	64.14	18.69
EPA-MW-27	69.32	51.38	17.94	50.7	18.62	50.58	18.74	50.32	19.00	49.85	19.47
ST-MW-02	82.03	63.39	18.64	62.94	19.09	62.79	19.24	62.46	19.57	62.07	19.96
ST-MW-06	69.83	44.85	24.98	46.28	23.55	45.05	24.78	43.21	26.62	44.08	25.75
ST-MW-09	78.13	63.54	14.59	62.59	15.54	62.36	15.77	63.02	15.11	62.40	15.73
ST-MW-11	75.25	--	--	58.95	16.3	58.58	16.67	58.47	16.78	58.08	17.17
ST-MW-12	87.2	70.89	16.31	70.3	16.9	70.02	17.18	69.92	17.28	69.54	17.66
ST-MW-14	69.73	55.64	14.09	55.2	14.53	54.39	15.34	54.59	15.14	53.73	16.00
ST-MW-16	75.78	54.1	21.68	54.14	21.64	54.17	21.61	53.42	22.36	52.92	22.86
ST-MW-17	86.53	70.37	16.16	67.7	18.83	69.49	17.04	74.71	11.82	74.31	12.22
ST-MW-19	82.5	66.26	16.24	64.7	17.8	65.42	17.08	64.32	18.18	64.50	18.00
ST-MW-20	84.53	71.63	12.9	71.17	13.36	70.63	13.9	70.57	13.96	69.85	14.68

Appendix J

Action List Dated June 2007

May 2007 ACTION LIST SUMMARY

PROJECT: Stanton Cleaners
LOCATION: Great Neck, NY
CLIENT: USACE / USEPA

JOB NUMBER: 70536
DATE: June 30, 2007

COMPLETED ITEMS	DATE PERFORMED
• Repaired broken 400-lb aqueous phase carbon vessel	• June 13
• Bi-weekly Air Monitoring	• June 13
• Bi-weekly O & M inspection;	• June 13
• Monthly GWT System sampling and monitoring well water level measurements	• June 13
• PLC computer hard drive cleaned and defragmented	• June 26
• Bi-weekly Air Monitoring	• June 26
• Bi-weekly O & M inspection	• June 26

OUTSTANDING ITEMS / RECOMMENDED SOLUTION

On June 13, 2007 a 400-lb aqueous phase activated carbon vessel was repaired and placed back on-line. The GWT system had been operating with just one aqueous phase carbon vessel and at reduced flow until repairs on the other vessel could be made. Once repairs had been completed and both vessels were operational, the GWT system flow was restored to its original rate.	
On June 4, 2007 the GWT system was shut down due to a wet floor alarm. Rain events producing a lot of water are causing water to leak through the wall and flood the wet floor alarm sump.	Wall joint to floor slab was caulked from the outside to avoid rainwater from leaking into the building.
Air monitoring reading show consistent low to zero VOC concentrations.	May be beneficial to consider placing the SVE system in pulse extraction mode to see if there is any rebound of VOC concentrations.