ENVIRONMENTAL CHEMICAL CORPORATION

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October 17, 2003

OCT 23

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

RE: **Transmittal of September 2003 Monthly O&M Activity Report**
Stanton Cleaners Area Groundwater Contamination Site, Great Neck, New York
USACE LTRA Contract DACW41-03-D-0004, T.O. 004

Dear Mr. Bian:

Environmental Chemical Corporation (ECC) Is transmitting in this letter one hardcopy on the September 2003 Monthly O&M Activity Report for the Stanton Cleaners LTRA site. A electronic softcopy has already been forwarded to you by e-mail.

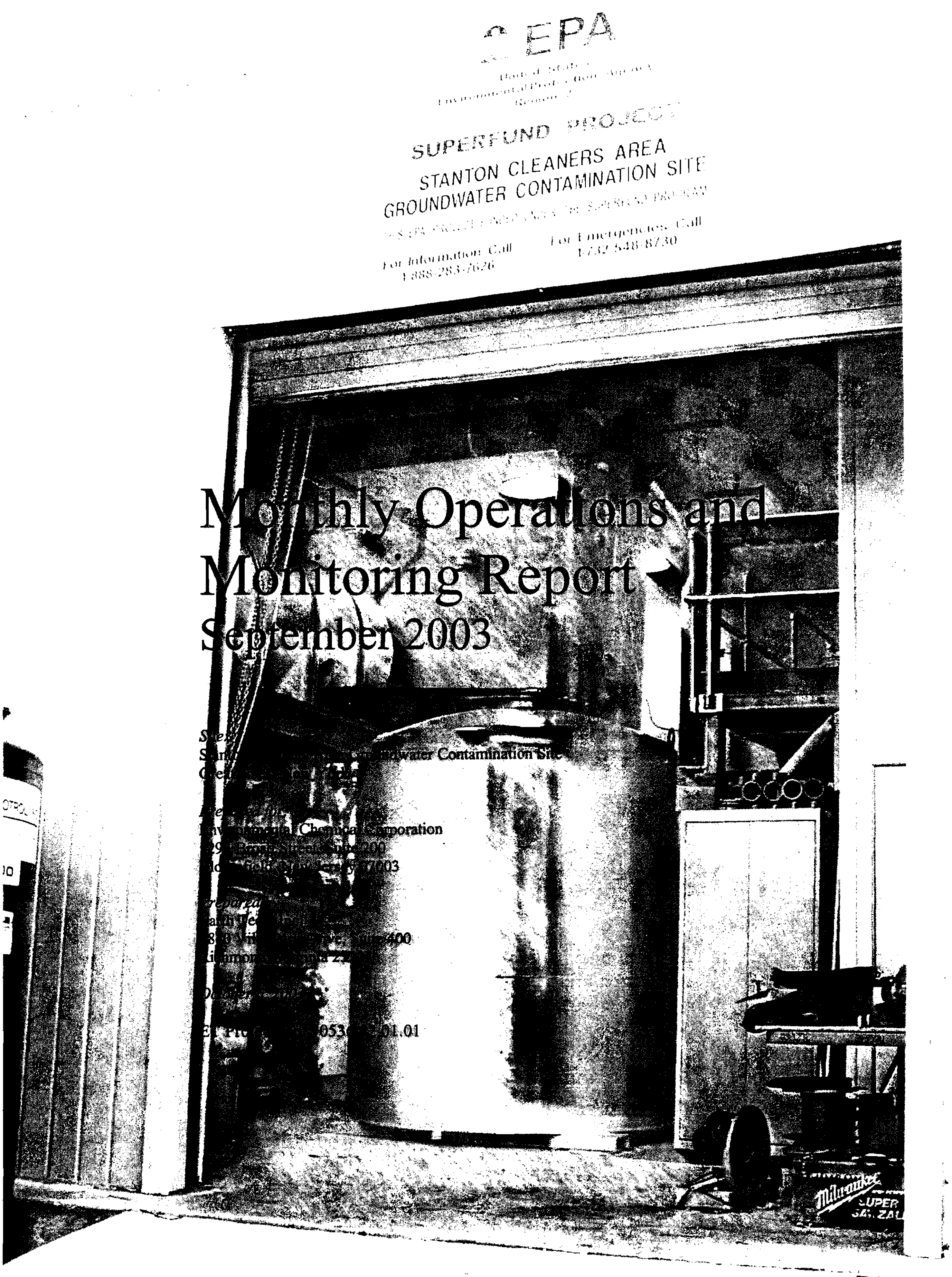
Please review the attached report, and let us know if they are satisfactory, and meet your requirements.

Thank you for your assistance in this matter. If you have any questions, please contact me at (973) 338-7011, ext. 121.

Sincerely,
Environmental Chemical Corporation

David Miller
Project Manager

cc: Mr. Damina Duda, US EPA Region II – 2 copies, and softcopy via e-mail
NYDEC ~~– 4 copies forwarded to Damian Duda for distribution to NYDEC~~
1 HARDCOPY VIA FEDEX, 1 SOFTCOPY VIA E-MAIL 10/21/03



Monthly Operations and Monitoring Report

September 2003

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Monthly Operations and Monitoring Report
September 2003

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

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

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

October 6, 2003

ET Project No. 70536.02.01.01

Author: _____

Title: _____

Date: October 6, 2003

Reviewer: _____

Title: Project Manager (ECC)

Date: October 06, 2003

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Appendices

1.0 INTRODUCTION

This Monthly Operations and Monitoring Report, September 2003 (Monthly Report) has been prepared by Earth Tech, Inc., as a subcontractor to Environmental Chemical Corporation (ECC), under Contract No.5442-001-001.

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

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

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

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

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

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

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

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

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

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

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

As required by the Scope of Work for this project, monthly summary reports are prepared to document and summarize the activities taking place. These reports provide a concise description of work performed during the reporting period and include pertinent deliverables as appendices. This is the first of such reports under the contract referenced above, covering the period between September 1 and September 30, 2003.

2.0 SUMMARY OF ACTIVITIES DURING SEPTEMBER 2003

The following list summarizes activities performed and milestone dates under this contract during the reporting period, September 2003:

- September 19 – System shut down due to air stripper high-high level alarm.
- September 23 – System restarted with aqueous carbon bypass valves open.
- September 30 – Aqueous and vapor phase carbon change out.

Project summary sheets, which include projected work for the following two weeks, are distributed among the project team on a bi-weekly basis; copies of the summaries for September 2003 are provided in Appendix A. Daily Quality Control Reports (DQCRs) are completed for each day of site activities. Copies of these reports are included as Appendix B.

A meeting regarding Stanton Cleaners was held in September 2003, with representatives of the USACE, ECC, the EPA, and Earth Tech. Comments and questions discussed during that meeting are provided in Appendix C. Appendix C also contains an Earth Tech memo regarding the GWTS and SVE maintenance and inspection event from September 1 through September 30 describing the purpose and results of the event, specific tasks performed, and recommendations for further system upgrades.

A more complete description of sampling and O&M activities is provided in the following sections.

3.0 GROUNDWATER TREATMENT SYSTEM ACTIVITIES

3.1 Operation and Maintenance

The GWTS treated and discharged 2,409,869 gallons during the month of September 2003. The system was operational (recovery well pumps running) for approximately 628 of the 720 hours during the month, for an average operating flow of 63.9 gallons per minute (gpm). The system has treated a total of 45,939,531 gallons since the plant startup in September 2001.

There are currently two recovery wells pumping water into the system. (EPA-EXT-02 and MW-24) Both wells are located in the triangle, the corner of New Cuttermill Road and Mirrielees Road. The two wells are manifolded together in the field and are piped into the treatment building together. The EPA-EXT-02 water flow meter is therefore actually displaying and totalizing the output of both wells. The decision to have two wells pumping from the triangle into the system was made by the USEPA.

On September 19, the system shutdown due to a high-high level alarm in the air stripper. It was determined by the engineer that the problem was the aqueous carbon was becoming saturated and causing a reduced discharge flow rate. This reduced discharge flow rate caused the air stripper to become over-full and shut the system down. The system was restarted on September 22, but continued to shut down. The system was finally restarted on September 23 with the bypass valves adjusted so that some of the discharge water was bypassing the aqueous carbon. This decision was made after consulting the EPA and considerations of the fact that post air stripper contaminate levels were within the permissible discharge limits. A vapor and aqueous phase carbon change-out was scheduled and completed September 30 and October 1.

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 is completed during each O&M inspection event; the checklist for September 11, 2003 is provided in Appendix D. When the system is operational, any abnormal conditions or parameters outside of the normal operating range are addressed by the lead operator and/or monitoring/environmental technician on site (Jim Simmonds or John Huisman). If they require guidance or notes any serious conditions, the inspector notifies the task manager (Tom Williams). The checklists are completed on site and sent to the task manager for review and scheduling of additional work if needed. Abnormal conditions and/or parameters outside the operating range are addressed, including repairs, cleaning, and continued monitoring.

System operational and alarm conditions are automatically stored by the PLC. These data are downloaded every two weeks and compiled into tabular format; September 2003 operational data are included in Appendix E. 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 E shows daily discharge flows from each day of system operation, average daily flow for each week, 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 September 2001.

3.2 Sampling and Analysis

3.2.1 Raw and Treated Groundwater

In accordance with the SQAPP, GWTS sampling is conducted on a monthly basis to monitor plant efficiency, to determine whether liquid carbon breakthrough has occurred, and to verify that contract-specific discharge parameters (in accordance with National Pollutant Discharge Elimination System (NPDES) permit equivalency) are met. The combined GWTS influent, along with the GWTS effluent

(discharge), will be sampled by the 15th of each month. Collected samples will be shipped to a designated EPA, CLP lab for analysis of parameters to be determined by ECC, USACE and the USEPA.

The GWTS influent and effluent samples for September 2003 were collected by the USEPA Remedial Support Team (RST). The Chain-of-custody forms and laboratory results for the GWTS sampling event during this reporting period will be forwarded to ECC under separate cover as an addendum to this report.

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

3.2.2 Process Air Stream Monitoring

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

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

Bi-weekly air monitoring activities were conducted on September 11 and 25, 2003. The bi-weekly air monitoring logs are included in Appendix I. The next bi-weekly air monitoring event is scheduled for October 8, 2003.

4.0 Monitoring Well Sampling

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

The first quarterly groundwater sampling event under this contract was conducted by the USEPA Division of Environmental Assessment (DESA) sampling team in September 2003. The next quarterly groundwater sampling event will be performed by Earth Tech personnel and is scheduled for January 2004.

The Chain-of-custody forms and laboratory analytical results for the first quarterly sampling event will be forwarded to ECC under separate cover as an addendum to this report.

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 ground water extraction wells. The event is coordinated with the local water authority so the event can be scheduled when the local water supply drawdown conditions do

not impact the measurements. The location and number of monitoring wells groundwater levels will be determined by the USEPA, USACE and ECC.

Groundwater level measurements for this report period will be taken from the quarterly groundwater sampling event conducted by DESA in September 2003. The groundwater level measurements for September will be forwarded to ECC under separate cover as an addendum to this report.

6.0 Indoor Air Quality Sampling

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

The first quarterly indoor air quality samples were collected in September 2003 by the USEPA RST. Analytical results from this sampling event deemed invalid by the USEPA and the indoor air quality samples were re-sampled on October 8, 2003.

The next quarterly indoor air quality sampling event will be performed by Earth Tech personnel and is scheduled for January 2004.

The Chain-of-custody forms and laboratory rejected analytical results for the September 2003 indoor air quality sampling event will be forwarded to ECC under separate cover as an addendum to this report. The Chain-of-custody forms and laboratory analytical results for the re-sampling of the first quarterly sampling event will be include in the October 2003 Monthly Operations and Monitoring 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 GWTS inspection and maintenance as required;
- Continue to perform bi-weekly system air monitoring;
- Re-sample indoor air quality as directed by the USEPA;
- Collect system influent and effluent samples as directed by USACE/ECC/USEPA;
- Obtain groundwater level measurements as directed by USACE/ECC/USEPA;

8.0 PROBLEM AREAS AND RECOMMENDED SOLUTIONS (OUTSTANDING ISSUES)

An Action List (September 1, 2003, update) of ongoing and completed items is provided in Appendix L to track work tasks that have been targeted as issues to be addressed. Primary issues are described in detail below.

On September 19, the system shutdown due to the aqueous phase carbon becoming saturated. The bypass valves around the carbon were opened and the system was restarted. A vapor and aqueous carbon change out was scheduled and completed at the end of September.

Appendix A

Weekly Update Reports

Not applicable for this month.

Appendix B

Daily Quality Control Reports (DQCRs)

DAILY QUALITY CONTROL REPORT

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

Client: ECC | Contract No:

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

Date: 9/25/03 | Earth Tech Project No.: 70536

Day	S	M	T	W	T	F	S
Weather					**P / Cloudy**		
Temp.					**77°F**		
Wind					**None**		
Humidity					**Low**		

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

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

Contract Materials and Equipment on site: **Ford Pick up F-150, Multi-RAE Multi Gas Monitor, TSI VelociCalc Meter, Gil Air 5 - Gillian Tri-Mode Air Sampler, Isobutylene and 4 Gas Calibration Gas.**

Work Performed (include sampling; list by NAS number if applicable):
Calibrate monitoring equipment and perform bi-weekly Soil Vapor Extraction and Pump and Treat System Air Monitoirng. Record total flow and flow rate from the PLC unit.

Quality Control Activities (including field calibrations): **Calibrate Multi RAE Plus Air Monitor**

Multi RAE Plus Multi Gas Monitor	**Isobutylene Cal Gas**	**Calibration Gas Mix**
SN: 03866	**Lot # 75611**	**Lot # 75368**
	100 ppm	**H_2S: 25 ppm 0_2: 20.9%**
		CO: 50 ppm LEL: 50%

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

DAILY QUALITY CONTROL REPORT

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

Client: ECG	Contract No.:
Contractor: Earth Tech, Inc.	
Address: 7870 Villa Park Drive, Suite 400	
Richmond, Virginia 23228	
Phone No.: (804) 515-8300	
Date: 9/25/03	Earth Tech Project No.: 70536

actual results): **N/A**

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

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

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

Explained in work performed section.

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

Special Notes: **Gil Air 5 Gillian Tri-mode Air Sampler – SN: 14025**

TSI – VelociCalc Meter – SN: 00040107

Fedex tracking numbers for returned rental equipment: 837764459642 & 837764459631

Tomorrow's Expectations:

The Aqueous phase and Vapor phase carbon will be changed out next Monday (9-30-03) by the Carbon vendor General Carbon.

By: John Huisman Title: Environmental Scientist

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

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

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

Appendix C

Meeting Minutes

MEETING MINUTES FOR
Stanton Cleaner Superfund Site
LTRA Kick-Off Meeting
September 24, 2003

Attendees:

Damian Duda	USEPA, RPM	212-637-4269
Lou DiGuardia	USEPA, OSC	732-906-6927
Shewen Bian –	USACE – NYD, COR	718-630-5369
Rich Gajdete	USACE - NYD	212-264-0137
Marc Mizrahi	ECC, PM	973-338-7011 x110
Dave Miller	ECC, Technical Manager	973-338-7011 x121
Tom Williams	Earth Tech, Task Manager	347-538-4530
Francisco Metcalf	Earth Tech, Environmental Scientist	347-538-4528
Greg Stadden	Earth Tech, Electrical Engineer / PLC	612-310-4457

The above listed individuals met at the Stanton Cleaners Superfund Site on September 14, 2003, from 1000 Hrs to 1330 Hrs to review the project transition from ERRS to ECC under their USACE LTRA contract. The official project kick-off meeting provided a forum for all project stakeholders to discuss the technical issues, scheduled activities and reporting / workplan requirements. The following minutes are intended to summarize content of the discussions.

1. **Introductions of all participants – Each meeting participant was introduced and their roles defined.**

Following introductions, the floor was opened for any questions or comments from the EPA:

- Lou asked when did the contract start – August 28, 2003 was official NTP along w/ ATP authorizing funding expenditures.

2. **Workplans**
   - Damian was under the perception USACE KCD was going to issue comments on the O&M Manual provided months ago.
     Action Item: Shewen to contact Joe Donovan to inquire about comments
   - ECC requested that the existing project workplans be provided electronically – Damian was clear that there is an existing O&M Manual in the approval process and he didn't want to change the content of the manual, as it meets his requirements. However, Damian did recognize ECC needs the documents for official review and to ascertain if any addendums would be required. **Action Item: Tom Williams and Greg Stadden** - provide ECC electronic versions of the O&M Manual, HASP and QAPP. Tom to verify if the project HASP and QAPP can be provided in an editable format from Corporate. Greg provided the O&M Manual in PDF to Dave. ECC to issue comments for review by Shewen, Damian and Lou.
     Recommendations for addendums to be provided, as the EPA is not inclined to revise the current O&M Manual, if possible.

- The Capture Zone analysis and Plume Perimeter report is currently being developed by Earth Tech under their ERRS contract, and will be available for distribution in approximately one month.
  Action Item: Tom Williams – Lou and Damian agreed for ECC to receive the plan for review and comment. ECC to re-issue to USACE for approval for use under LTRA @ Stanton.

3. **Communications**
   - CC: Damian on all communications
   - Dave Miller to be added to the O&M system generated e-mails **Action Item: Greg Stadden**
   - Roles and responsibilities / Chain of command - Damian requested ECC put together a Table / flow chart of project stakeholders and site personnel. **Action Item: Dave Miller** - Develop and provide a project organization chart w/ all contact information including: EPA, USACE, ECC, and Earth Tech to be inserted in the O&M Manual, and posted at the site.
   - Marc acknowledged that direct communication between Earth Tech and EPA or even USACE can and will occur. In the spirit of team work and to facilitate open communication, ECC requests from all parties that they (ECC) be appraised of all direct communications. As some may have impact to cost and schedule, which must be documented.
   - QA/QC requirements for CLP /Non-CLP labs were discussed and EPA suggested that a teleconference be conducted between ECC and EPA to resolve lab coordination and QA/QC requirements. **Action Item: To be Determined** – need to solidify who will initiate this A.I.

5. **Sampling and Well Monitoring**
   - Monitoring wells are currently being sampled by EPA - DESA group. This is part of the quarterly well monitoring task part of the ECC SOW.
   - Damian and Lou agreed to delay ECC's initial quarterly well monitoring sampling event from Nov.03' to Jan.04'.
   - Issues w/ OU2 data may require the 15 wells ECC used as the basis for estimate to increase to 20. This will be based on NYDEC and USEPA recommendations. The exact # and locations of the wells for sampling will be defined at a later date.
   - Plume perimeter water level measurements for use in the Quarterly Capture Zone analysis will be collected monthly
   - Indoor air quality sampling was discussed. It was determined that 10 summa canister samples were required, however only 9 were budgeted for. ECC will track costs and see if there is any impact to budget over time.
   - EPA to provide Vapor intrusion guidance document to ECC regarding specific QA/QC requirements for indoor air sampling. **Action Item: Damian Duda** – Provide document or link to Dave Miller, ECC.

5. **Data Management and Reporting**
    - Need to establish a data base for the sampling analytical data. Earth Tech has developed a format for this and have previous analytical data archived. **Action Item: Tom Williams** – to provide ECC a copy of the ET excel file containing the analytical data.
    - Monthly O&M Activity Report will be issued from Earth Tech to ECC the last Friday of each month. After review and modification, ECC will issue the report electronically w/ in 5 working days to Damian and Shewen.
    - Quarterly reports (Well Monitoring and Plume Perimeter Capture Zone Analysis) need to have 10 copies produced. Distribution List: Damian – 2 hardcopies, and 1 electronic, NYDEC -4 hardcopies, 1 – Shewen, 1 hardcopy – ECC, 1 – site and 1- to be determined.
    - Report formats: Dave asked about getting previous reports to develop the ECC deliverables. Example forms existing in the O&M Manual are the basis for documenting daily work activities or monitoring and sampling events. To define the initial Quarterly and Annual reporting requirements for ECC, The group agreed that a trip report would be submitted in a timely fashion, (5 days) following the completion of field activities. The quarterly report will be submitted 30 days following receipt of analytical data, which will be presented in a similar reporting format based on previous site GW monitoring.
    - Cost and Schedule: ECC to provide monthly cost and schedule reports to USACE when delivering the invoice. The cost and schedule report contents can be modified to meet stakeholder needs.
    - Government Furnished equipment – **Action item: Tom Williams** to provide inventory list to USEPA and then to be transferred to ECC.

6. **Miscellaneous**
    - Confirmed w/ Damian that Earth Tech is being provided the equipment and parts (via) local and regional accounts set up by ECC. Including General Carbon scheduled for an exchange of aqueous and vapor phase.

7. **Meeting Conclusion**
    - All parties took a site walk to become familiar with the pumping well locations, surrounding properties and the Glen Cove Water supply / Air stripper

Appendix D

Groundwater Treatment System Operation & Maintenance Checklists

9-11-03 - Jim Simmonds

STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE OPERATION AND MAINTENANCE

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

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

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

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

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

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

1. Recovery Well EPA-EXT-02 flow _____61_____ GPM
2. Recovery Well EPA-EXT-02 valve open _____100_____ %
3. Recovery Well IW-01 flow _____0_____ GPM
4. Recovery Well IW-01 valve open _____0_____ %
5. Recovery Well EPA-EXT-03 flow _____NA_____ GPM
6. Recovery Well EPA-EXT-03 valve open _____NA_____ %
7. Recovery Well pH _____6.6_____ pH
8. Recovery Well conductivity _____46_____ cond
9. Air Stripper pH _____7.7_____ pH
10. Air Stripper temperature _____156*_____ deg.
11. Air Stripper air flow _____8402*_____ CFM
12. Pre-vapor carbon pressure _____0_____ "wc
13. Post carbon air flow _____2394_____ CFM
14. Discharge conductivity _____50_____ cond
15. Discharge pH _____7.7_____ pH
16. Discharge flow _____64_____ GPM
17. Discharge total gallons _____44513234_____ Gal

18. SVE inlet vacuum _____4_____ "Hg

19. SVE air flow _____2004*_____ CFM

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

1. Recovery Well EPA-EXT-02 total flow _____9189380_____ Gal

2. Recovery Well IW-01 total flow _____32121_____ Gal

3. Recovery Well EPA-EXT-03 total flow _____0_____ Gal

5. Recovery Well pH _____6.61_____ pH

6. Recovery Well conductivity _____0.49_____ cond

7. Air Stripper pH _____7.75_____ pH

8. Air Stripper temperature _____NA_____ deg.

9. Air Stripper Pump water flow _____65_____ GPM

10. Air Stripper Pump pressure _____40_____ PSI

11. Discharge conductivity _____0.57_____ cond

12. Discharge pH _____7.72_____ pH

13. Discharge total gallons _____4528089_____ Gal

14. SVE inlet vacuum (digital readout) _____0.22_____ "Hg

15. SVE inlet vacuum _____5_____ "Hg

16. SVE post knockout vacuum _____4_____ "Hg

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

Appendix E

Groundwater Treatment System Downloaded Operational Data

Stanton Cleaners Groundwater Contamination Site - September 2003 - Site Operation Data

	Recovery Well 1 Flow (GPM)	Recovery Well 2 Flow (GPM)	Recovery Well 3 Flow (GPM)	Discharge Flow (GPM)	Discharge Flow (CFM)	Influent water Temperature (deg F)	Influent conductivity	Effluent conductivity	Influent water pH	Air Stripper water pH	Discharge water pH	Total gallons discharged
9/1/2003 0:00	0	0	62	71	2502	155	59	58	6.6	7.6	7.9	43529662.4
9/1/2003 4:00	0	0	60	76	2300	155	56	59	6.6	7.6	7.8	43545254.8
9/1/2003 8:00	0	0	61	75	2445	155	56	58	6.6	7.6	7.8	43560846.5
9/1/2003 12:00	0	0	59	75	2394	155	54	59	6.6	7.7	7.9	43576166.6
9/1/2003 16:00	0	0	63	75	2498	155	53	58	6.6	7.6	7.9	43591769.4
9/1/2003 20:00	0	0	60	71	2551	155	50	58	6.6	7.6	7.9	43607357
9/2/2003 0:00	0	0	62	72	2339	155	55	58	6.6	7.6	7.8	43622969
9/2/2003 4:00	0	0	60	74	2541	155	57	58	6.6	7.6	7.9	43638304.3
9/2/2003 8:00	0	0	60	71	2551	155	58	58	6.6	7.6	7.8	43653902
9/2/2003 12:00	0	0	63	72	2551	155	50	58	6.6	7.6	7.9	43669489.7
9/2/2003 16:00	0	0	62	0	2394	155	57	58	6.6	7.6	7.8	43684865.4
9/2/2003 20:00	0	0	59	72	2447	155	56	58	6.6	7.6	7.9	43700447.7
9/3/2003 0:00	0	0	59	71	2551	155	58	58	6.6	7.6	7.8	43716057.2
9/3/2003 4:00	0	0	62	75	2498	155	59	58	6.6	7.6	7.8	43731652.9
9/3/2003 8:00	0	0	63	0	2298	155	57	58	6.6	7.6	7.8	43747103.7
9/3/2003 12:00	0	0	62	71	2252	155	57	58	6.6	7.7	7.9	43762627.6
9/3/2003 16:00	0	0	62	72	2599	156	56	59	6.6	7.7	7.9	43778199.9
9/3/2003 20:00	0	0	60	73	2495	156	56	59	6.6	7.7	7.9	43793790.4
9/4/2003 0:00	0	0	61	71	2445	156	56	59	6.6	7.6	7.9	43809155.4
9/4/2003 4:00	0	0	60	72	2392	157	56	59	6.6	7.6	7.9	43824760.2
9/4/2003 8:00	0	0	61	72	2396	157	55	59	6.6	7.6	7.8	43840371.7
9/4/2003 12:00	0	0	60	71	2493	157	53	59	6.6	7.6	7.8	43855965.8
9/4/2003 16:00	0	0	61	75	2252	157	48	59	6.6	7.6	7.8	43871564.2
9/4/2003 20:00	0	0	60	71	2599	158	49	59	6.6	7.6	7.8	43887140.9
9/5/2003 0:00	0	0	61	0	2394	157	56	59	6.6	7.5	7.7	43902533.5
9/5/2003 4:00	0	0	60	74	2339	155	57	58	6.6	7.6	7.8	43918074.1
9/5/2003 8:00	0	0	61	73	2548	155	54	58	6.6	7.6	7.8	43933711
9/5/2003 12:00	0	0	62	74	2541	155	55	58	6.6	7.6	7.9	43949369
9/5/2003 16:00	0	0	61	76	2445	155	53	58	6.6	7.7	7.9	43964955.2
9/5/2003 20:00	0	0	61	73	2445	155	53	58	6.6	7.6	7.8	43980580.3
9/6/2003 0:00	0	0	61	72	2247	155	56	58	6.6	7.6	7.8	43995960.1
9/6/2003 4:00	0	0	60	71	2548	154	55	57	6.6	7.6	7.8	44011590.4
9/6/2003 8:00	0	0	61	73	2442	154	56	57	6.6	7.6	7.8	44027208
9/6/2003 12:00	0	0	61	72	2339	155	55	58	6.6	7.7	7.9	44042806.1
9/6/2003 16:00	0	0	61	0	2551	155	54	58	6.6	7.7	7.9	44058215.6
9/6/2003 20:00	0	0	63	76	2406	155	53	58	6.6	7.6	7.8	44073720.5
9/7/2003 0:00	0	0	61	71	2495	155	56	58	6.6	7.5	7.8	44089305.5
9/7/2003 4:00	0	0	60	73	2431	154	56	58	6.6	7.5	7.8	44104913.2
9/7/2003 8:00	0	0	63	72	2445	155	55	58	6.6	7.6	7.7	44120542.3
9/7/2003 12:00	0	0	62	0	2445	155	57	58	6.6	7.7	7.9	44136062.7
9/7/2003 16:00	0	0	61	73	2252	155	54	58	6.6	7.7	7.9	44151454.1
9/7/2003 20:00	0	0	62	71	2500	155	53	58	6.6	7.6	7.8	44167027.1
9/8/2003 0:00	0	0	62	73	2394	155	51	58	6.6	7.5	7.7	44182583.8
9/8/2003 4:00	0	0	61	74	2445	155	56	58	6.6	7.5	7.8	44198181.3
9/8/2003 8:00	0	0	60	75	2339	155	55	59	6.6	7.6	7.8	44213485.4
9/8/2003 12:00	0	0	62	71	2415	156	54	58	6.6	7.7	7.9	44229045.1
9/8/2003 16:00	0	0	61	75	2500	155	50	59	6.6	7.7	7.9	44244598.2
9/8/2003 20:00	0	0	63	74	2500	155	54	58	6.6	7.6	7.8	44260171.4
9/9/2003 0:00	0	0	62	74	2445	155	56	58	6.6	7.6	7.8	44275482.8
9/9/2003 4:00	0	0	60	72	2442	155	56	58	6.6	7.6	7.8	44291052.2
9/9/2003 8:00	0	0	61	73	2392	155	56	58	6.6	7.6	7.8	44306634.7
9/9/2003 12:00	0	0	63	71	2599	155	54	58	6.6	7.7	7.9	44322222.1
9/9/2003 16:00	0	0	63	70	2546	154	55	58	6.6	7.7	7.9	44337557
9/9/2003 20:00	0	0	61	74	2392	155	57	57	6.6	7.7	7.9	44353148.8
9/10/2003 0:00	0	0	61	72	2445	154	56	58	6.6	7.7	7.9	44368748.4
9/10/2003 4:00	0	0	63	72	2396	154	56	58	6.6	7.7	7.9	44384335.2
9/10/2003 8:00	0	0	60	76	2445	154	55	57	6.6	7.6	7.9	44399926.1
9/10/2003 12:00	0	0	60	70	2548	155	49	57	6.6	7.7	7.9	44415512.8
9/10/2003 16:00	0	0	60	71	2445	156	50	58	6.6	7.7	7.9	44431107.6
9/10/2003 20:00	0	0	61	74	2500	155	49	58	6.6	7.6	7.8	44446663.8
9/11/2003 0:00	0	0	60	72	2394	154	52	58	6.6	7.6	7.8	44462244.4
9/11/2003 4:00	0	0	59	73	2548	154	50	58	6.6	7.5	7.7	44477809.4
9/11/2003 8:00	0	0	60	2	2551	155	47	58	6.6	7.6	7.8	44493249.1
9/11/2003 12:00	0	0	61	75	2442	155	54	58	6.6	7.7	7.9	44508665.4
9/11/2003 16:00	0	0	61	67	2541	156	50	59	6.6	7.7	7.7	44523878.2
9/11/2003 20:00	0	0	62	65	2390	155	47	58	6.6	7.7	7.8	44539480.9
9/12/2003 0:00	0	0	61	68	2548	155	42	57	6.6	7.7	7.8	44555082

9/12/2003 4:00	0	0	63	69	2293	156	43	58	6.6	7.6	7.8	44570459.7
9/12/2003 8:00	0	0	59	65	2548	155	45	57	6.6	7.7	7.8	44586037.5
9/12/2003 12:00	0	0	62	64	2445	155	46	58	6.6	7.7	7.8	44601380.8
9/12/2003 16:00	0	0	61	64	2445	155	56	58	6.6	7.7	7.8	44616964.4
9/12/2003 20:00	0	0	60	67	2392	155	47	58	6.6	7.7	7.8	44632553.1
9/13/2003 0:00	0	0	60	66	2339	155	47	58	6.6	7.7	7.8	44647873.5
9/13/2003 4:00	0	0	60	67	2548	155	49	59	6.6	7.7	7.8	44663432
9/13/2003 8:00	0	0	60	65	2599	156	51	58	6.6	7.7	7.8	44679014
9/13/2003 12:00	0	0	61	66	2541	156	48	59	6.6	7.7	7.8	44694336.5
9/13/2003 16:00	0	0	60	65	2541	157	46	59	6.6	7.7	7.9	44709923.3
9/13/2003 20:00	0	0	59	66	2445	157	47	59	6.6	7.7	7.9	44725518.4
9/14/2003 0:00	0	0	62	68	2394	157	49	59	6.6	7.7	7.9	44741098.5
9/14/2003 4:00	0	0	61	65	2392	157	51	60	6.6	7.6	7.8	44756667.4
9/14/2003 8:00	0	0	61	64	2541	158	49	59	6.6	7.7	7.8	44772005.9
9/14/2003 12:00	0	0	60	67	2339	158	48	59	6.6	7.7	7.9	44787586.8
9/14/2003 16:00	0	0	59	66	2445	158	51	60	6.6	7.7	7.9	44803152
9/14/2003 20:00	0	0	61	66	2339	157	48	58	6.6	7.7	7.9	44818704
9/15/2003 0:00	0	0	62	69	2498	157	47	59	6.6	7.7	7.9	44834244.9
9/15/2003 4:00	0	0	61	65	2551	157	43	59	6.6	7.7	7.9	44849788
9/15/2003 8:00	0	0	61	64	2394	157	48	59	6.6	7.7	7.9	44865329.8
9/15/2003 12:00	0	0	60	67	2298	157	48	59	6.6	7.7	7.9	44880879
9/15/2003 16:00	0	0	60	67	2498	157	49	59	6.6	7.7	7.9	44896434.5
9/15/2003 20:00	0	0	62	68	2551	157	50	58	6.6	7.7	7.9	44911982.5
9/16/2003 0:00	0	0	60	67	2445	157	52	59	6.6	7.6	7.9	44927500.6
9/16/2003 4:00	0	0	61	69	2440	156	49	59	6.6	7.6	7.8	44943025.6
9/16/2003 8:00	0	0	62	65	2396	156	48	58	6.6	7.6	7.8	44958553.9
9/16/2003 12:00	0	0	61	69	2394	156	42	58	6.6	7.7	7.9	44974070.7
9/16/2003 16:00	0	0	63	65	2392	156	49	59	6.6	7.7	7.9	44989316.8
9/16/2003 20:00	0	0	59	65	2440	154	43	58	6.6	7.6	7.9	45004775.2
9/17/2003 0:00	0	0	62	68	2445	155	46	58	6.6	7.6	7.8	45020220.9
9/17/2003 4:00	0	0	60	64	2392	155	48	57	6.6	7.6	7.8	45035668.7
9/17/2003 8:00	0	0	61	67	2541	155	45	58	6.6	7.6	7.8	45051105.6
9/17/2003 12:00	0	0	60	65	2551	155	50	58	6.6	7.7	7.8	45066789.9
9/17/2003 16:00	0	0	60	64	2548	155	50	58	6.6	7.7	7.8	45081941.8
9/17/2003 20:00	0	0	60	66	2541	155	51	59	6.6	7.6	7.8	45097337.5
9/18/2003 0:00	0	0	62	63	2604	155	48	58	6.6	7.6	7.8	45112734.1
9/18/2003 4:00	0	0	59	65	2408	155	45	58	6.6	7.7	7.8	45128330.3
9/18/2003 8:00	0	0	61	63	2445	155	47	58	6.6	7.7	7.8	45143683.6
9/18/2003 12:00	0	0	60	63	2498	155	42	58	6.6	7.7	7.8	45159297.5
9/18/2003 16:00	0	0	61	66	2295	155	46	58	6.6	7.7	7.9	45174843.7
9/18/2003 20:00	0	0	61	67	2498	155	40	57	6.6	7.7	7.9	45190324.5
9/19/2003 0:00	0	0	60	64	2394	156	46	58	6.6	7.7	7.9	45205781.7
9/19/2003 4:00	0	0	61	63	2180	157	48	59	6.6	7.7	7.9	45221273.3
9/19/2003 8:00	0	0	61	63	2295	158	47	60	6.6	7.7	7.9	45236778.1
9/19/2003 12:00	0	0	63	65	2254	158	47	60	6.6	7.7	7.9	45252266.7
9/19/2003 16:00	0	0	0	0	13	160	60	62	6.6	7.7	7.9	45262668.7
9/19/2003 20:00	0	0	0	0	18	163	64	65	6.6	7.7	7.8	45262668.7
9/20/2003 0:00	0	0	0	0	18	164	62	65	6.6	7.7	7.7	45262668.7
9/20/2003 4:00	0	0	0	0	16	165	63	65	6.6	7.7	7.7	45262668.7
9/20/2003 8:00	0	0	0	0	18	165	63	65	6.6	7.7	7.6	45262668.7
9/20/2003 12:00	0	0	0	0	18	165	64	65	6.6	7.7	7.6	45262668.7
9/20/2003 16:00	0	0	0	0	18	166	63	66	6.6	7.6	7.6	45262668.7
9/20/2003 20:00	0	0	0	0	18	167	64	66	6.6	7.6	7.6	45262668.7
9/21/2003 0:00	0	0	0	0	18	168	63	66	6.6	7.6	7.5	45262668.7
9/21/2003 4:00	0	0	0	0	18	167	65	66	6.6	7.6	7.4	45262668.7
9/21/2003 8:00	0	0	0	0	13	167	64	65	6.6	7.6	7.4	45262668.7
9/21/2003 12:00	0	0	0	0	18	167	62	65	6.6	7.5	7.4	45262668.7
9/21/2003 16:00	0	0	0	0	18	168	63	66	6.6	7.6	7.4	45262668.7
9/21/2003 20:00	0	0	0	0	18	168	63	67	6.6	7.6	7.4	45262668.7
9/22/2003 0:00	0	0	61	63	2445	155	47	58	6.6	7.6	7.6	45272738.7
9/22/2003 4:00	0	0	0	0	18	157	60	62	6.5	7.6	7.6	45273172.1
9/22/2003 8:00	0	0	0	0	20	159	61	63	6.5	7.6	7.5	45273172.1
9/22/2003 12:00	0	0	0	0	18	160	61	63	6.5	7.6	7.5	45273172.1
9/22/2003 16:00	0	0	60	64	2252	156	47	58	6.6	7.7	7.7	45280152.3
9/22/2003 20:00	0	0	0	0	18	156	56	59	6.6	7.7	7.6	45287971.3
9/23/2003 0:00	0	0	0	0	23	158	60	62	6.5	7.7	7.7	45287971.3
9/23/2003 4:00	0	0	0	0	18	160	61	63	6.5	7.7	7.7	45287971.3
9/23/2003 8:00	0	0	61	67	2392	157	52	59	6.6	7.7	7.7	45293042
9/23/2003 12:00	0	0	60	0	2544	156	49	58	6.6	7.6	7.9	45304827
9/23/2003 16:00	0	0	60	76	2394	156	49	58	6.6	7.6	7.9	45318416.5
9/23/2003 20:00	0	0	63	72	2599	155	45	58	6.6	7.6	7.9	45333814.2
9/24/2003 0:00	0	0	62	73	2445	154	45	57	6.6	7.6	7.9	45349461.1

9/24/2003 4:00	0	0	62	73	2578	154	43	56	6.6	7.6	7.8	45364851.7
9/24/2003 8:00	0	0	59	0	2445	154	50	57	6.6	7.6	7.9	45380310.2
9/24/2003 12:00	0	0	61	72	2390	155	46	57	6.6	7.7	7.9	45395891.8
9/24/2003 16:00	0	0	62	74	2551	155	46	57	6.6	7.7	8.0	45411238.6
9/24/2003 20:00	0	0	62	76	2461	155	49	57	6.6	7.6	7.9	45426613.7
9/25/2003 0:00	0	0	63	73	2548	155	48	58	6.6	7.6	7.8	45442274.9
9/25/2003 4:00	0	0	61	75	2548	155	57	58	6.6	7.6	7.8	45457883.7
9/25/2003 8:00	0	0	61	76	2498	155	45	58	6.6	7.6	7.9	45473337.2
9/25/2003 12:00	0	0	60	73	2445	156	48	59	6.6	7.7	8.0	45488737.5
9/25/2003 16:00	0	0	62	73	2599	156	48	58	6.6	7.7	8.0	45504113.3
9/25/2003 20:00	0	0	60	73	2394	156	48	58	6.6	7.7	7.9	45519759.1
9/26/2003 0:00	0	0	61	72	2390	156	46	59	6.6	7.6	7.8	45535150
9/26/2003 4:00	0	0	60	0	2392	156	49	58	6.6	7.6	7.9	45550708.2
9/26/2003 8:00	0	0	62	73	2594	155	48	58	6.6	7.6	7.9	45566161.5
9/26/2003 12:00	0	0	62	74	2180	155	48	58	6.6	7.6	7.9	45581561.8
9/26/2003 16:00	0	0	61	74	2339	156	44	58	6.6	7.7	7.9	45597211.4
9/26/2003 20:00	0	0	62	72	2256	156	48	58	6.6	7.6	7.9	45612577.5
9/27/2003 0:00	0	0	61	76	2544	155	49	58	6.6	7.6	7.9	45627974.1
9/27/2003 4:00	0	0	60	72	2445	156	49	58	6.6	7.7	7.9	45643623.5
9/27/2003 8:00	0	0	60	75	2399	157	46	58	6.6	7.7	8.0	45659012.5
9/27/2003 12:00	0	0	62	72	2440	157	46	58	6.6	7.7	8.0	45674665.6
9/27/2003 16:00	0	0	63	75	2252	157	44	58	6.6	7.7	8.0	45690025.6
9/27/2003 20:00	0	0	61	7	2498	157	43	58	6.6	7.7	8.0	45705622.6
9/28/2003 0:00	0	0	62	72	2454	157	50	58	6.6	7.7	7.9	45720980.5
9/28/2003 4:00	0	0	63	72	2394	157	48	59	6.6	7.7	7.9	45736615.9
9/28/2003 8:00	0	0	62	73	2339	156	48	58	6.6	7.7	7.9	45751999.2
9/28/2003 12:00	0	0	61	4	2339	156	49	58	6.6	7.6	7.8	45767580.1
9/28/2003 16:00	0	0	59	75	2396	155	41	57	6.6	7.6	7.8	45782985.7
9/28/2003 20:00	0	0	62	72	2541	154	49	57	6.6	7.6	7.9	45798399.9
9/29/2003 0:00	0	0	61	73	2544	154	52	57	6.6	7.6	7.8	45814032.4
9/29/2003 4:00	0	0	61	0	2548	154	43	57	6.6	7.6	7.8	45829538.6
9/29/2003 8:00	0	0	60	72	2438	154	39	57	6.6	7.6	7.8	45845082.1
9/29/2003 12:00	0	0	61	75	2495	154	43	56	6.6	7.6	7.8	45860476.3
9/29/2003 16:00	0	0	61	72	2394	154	50	56	6.6	7.7	7.9	45876136.9
9/29/2003 20:00	0	0	62	73	2548	154	49	56	6.6	7.7	7.9	45891534.6
9/30/2003 0:00	0	0	60	74	2493	153	47	57	6.6	7.6	7.8	45907189.4
9/30/2003 4:00	0	0	61	73	2406	153	45	56	6.6	7.6	7.8	45922591
9/30/2003 8:00	0	0	62	73	2599	153	45	56	6.6	7.6	7.8	45938001.1
9/30/2003 12:00	0	0	0	0	66	154	59	59	6.5	7.6	7.8	45939531.2
9/30/2003 16:00	0	0	0	0	170	155	60	61	6.5	7.6	7.8	45939531.2
9/30/2003 20:00	0	0	0	0	18	155	59	62	6.5	7.6	7.7	45939531.2

Appendix F

Chain-of-Custody Forms

Not applicable for this month.

Appendix G

Federal Express Airbill Forms

FedEx Express *USA Airbill* FedEx Tracking Number 837764459642 Form I.D. No. 0200

1 From (Please print and press hard)
Date 9-25-03 Sender's FedEx Account Number 2374-4259-8
Sender's Name John Huisman Phone (516) 352-4214
Company Earth Tech, Inc.
Address 110 Cutter Mill Road (Dept./Floor/Suite/Room)
City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference (First 24 characters will appear on invoice) 5442001

3 To
Recipient's Name Pine Environmental Phone (800) 301-9663
Company Pine Environmental Services Inc.
Address Windsor Industrial Park (To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.)
Address 92 North Main Street, Building #20 (Dept./Floor/Suite/Room)
City Windsor State NJ ZIP 08561

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3339.

4a Express Package Service (Packages up to 150 lbs. Delivery commitments may be later in some areas.)
- ☐ FedEx Priority Overnight (Next business morning)
- ☒ FedEx Standard Overnight (Next business afternoon)
- ☐ FedEx First Overnight (Earliest next business morning delivery to select locations)
- ☐ FedEx 2Day (Second business day)
- ☐ FedEx Express Saver (Third business day)

FedEx Envelope rate not available. Minimum charge. One-pound rate.

4b Express Freight Service (Packages over 150 lbs. Delivery commitments may be later in some areas.)
- ☐ FedEx 1Day Freight* (Next business day)
- ☐ FedEx 2Day Freight (Second business day)
- ☐ FedEx 3Day Freight (Third business day)

* Call for Confirmation.

5 Packaging * Declared value limit $500
- ☐ FedEx Envelope*
- ☐ FedEx Pak* (Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak)
- ☒ Other

6 Special Handling
- ☐ SATURDAY Delivery (FedEx Priority Overnight and FedEx 2Day to select ZIP codes)
- ☐ HOLD Weekday at FedEx Location (FedEx First Overnight)
- ☐ HOLD Saturday at FedEx Location (FedEx Priority Overnight and FedEx 2Day to select locations)

Does this shipment contain dangerous goods?
- ☒ No
- ☐ Yes (As per attached Shipper's Declaration)
- ☐ Yes (Shipper's Declaration not required)
- ☐ Dry Ice (Dry Ice, 9, UN 1845 ____ x ____ kg)

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only

7 Payment Bill to:
- ☒ Sender (Acct. No. in Section 1 will be billed)
- ☐ Recipient
- ☐ Third Party
- ☐ Credit Card
- ☐ Cash/Check

FedEx Acct. No. or Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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FedEx Express *USA Airbill* FedEx Tracking Number 837764459631 Form I.D. No. 0200

1 From (Please print and press hard)
Date 9-25-03 Sender's FedEx Account Number 2374-4259-8
Sender's Name John Huisman Phone (516) 352-4214
Company Earth Tech, Inc.
Address 110 Cutter Mill Road (Dept./Floor/Suite/Room)
City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference (First 24 characters will appear on invoice) 5442001

3 To
Recipient's Name Pine Environmental Phone (800) 301-9663
Company Pine Environmental Services Inc.
Address Windsor Industrial Park (To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.)
Address 92 North Main Street, Building #20 (Dept./Floor/Suite/Room)
City Windsor State NJ ZIP 08561

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3339

4a Express Package Service (Packages up to 150 lbs. Delivery commitments may be later in some areas.)
- ☐ FedEx Priority Overnight (Next business morning)
- ☒ FedEx Standard Overnight (Next business afternoon)
- ☐ FedEx First Overnight (Earliest next business morning delivery to select locations)
- ☐ FedEx 2Day (Second business day)
- ☐ FedEx Express Saver (Third business day)

FedEx Envelope rate not available. Minimum charge. One-pound rate.

4b Express Freight Service (Packages over 150 lbs. Delivery commitments may be later in some areas.)
- ☐ FedEx 1Day Freight* (Next business day)
- ☐ FedEx 2Day Freight (Second business day)
- ☐ FedEx 3Day Freight (Third business day)

* Call for Confirmation.

5 Packaging * Declared value limit $500
- ☐ FedEx Envelope*
- ☐ FedEx Pak* (Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak)
- ☒ Other

6 Special Handling
- ☐ SATURDAY Delivery (FedEx Priority Overnight and FedEx 2Day to select ZIP codes)
- ☐ HOLD Weekday at FedEx Location (FedEx First Overnight)
- ☐ HOLD Saturday at FedEx Location (Available only for FedEx Priority Overnight and FedEx 2Day to select locations)

Does this shipment contain dangerous goods?
- ☒ No
- ☐ Yes (As per attached Shipper's Declaration)
- ☐ Yes (Shipper's Declaration not required)
- ☐ Dry Ice (Dry Ice, 9, UN 1845 ____ x ____ kg)

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only

7 Payment Bill to:
- ☐ Sender (Acct. No. in Section 1 will be billed)
- ☐ Recipient
- ☐ Third Party
- ☐ Credit Card
- ☐ Cash/Check

FedEx Acct. No. or Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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Appendix H

Groundwater Treatment System Raw and Treated Groundwater Analytical Data

This data can be obtained by contacting

Lou Diguardia
US EPA Region II OSC
2890 Woodbridge Avenue
Edison, NJ 08837-3679
732-906-6927

Appendix I

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
Daily Air Monitoring Log

Date: 09/ 11 / 2003
Project # 70536

	MultiRAE Plus PGM-50					VelociCalc Plus				
	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pre.	%RH	Dew pt.	Flow
Influent SVE	4.2	0	19.70%	0%	0	112.1	NA	33.70%	24.10	225
Post Air Stripper	0.2	0	20.90%	0%	0	58.6	NA	98.70%	14.60	2300
Discharchge	0.4	0	20.50%	0%	0	65.1	NA	82.70%	15.40	2100
Background	0.0	0	20.90%	0%	0	77.0	NA	50.00%	15.00	NA

Total gallons pumped: 44,515,824 gallons
Flow Rate: 68 gpm

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

Comments:

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

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

Date: 09/ 25 / 2003
Project # 70536

	MultiRAE Plus PGM-50					VelociCalc Plus				
	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pre.	%RH	Dew pt.	Flow
Influent SVE	4.7	0	21.20%	0%	0	113.0	NA	40.00%	35.50	210
Post Air Stripper	0.2	0	20.90%	0%	0	59.0	NA	93.00%	13.90	2300
Discharchge	1.0	0	20.60%	0%	0	66.5	NA	84.00%	15.50	2300
Background	0.0	0	20.90%	0%	0	70.6	NA	37.10%	11.70	NA

Total gallons pumped: 45,498,662 gallons
Flow Rate: 73 gpm

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

Comments:
Carbon is scheduled for changeout on 9-30-03

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

Appendix J

Indoor Air Quality Data

This data can be obtained by contacting

Lou Diguardia
US EPA Region II OSC
2890 Woodbridge Avenue
Edison, NJ 08837-3679
732-906-6927

Appendix K

Groundwater Level Monitoring Results (Ongoing)

This data can be obtained by contacting

Lou Diguardia
US EPA Region II OSC
2890 Woodbridge Avenue
Edison, NJ 08837-3679
732-906-6927

Appendix L

Action List dated September 30, 2003

Not applicable for this month.

Appendix M

Miscellaneous

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No. B 14047

Carrier No.

Farrar
(Name of Carrier)

Date 9/30/03

TO: Consignee	Stanton Cleaners	FROM: Shipper	GENERAL CARBON CORPORATION
Street	110 Cutter Mill Rd.	Street	33 Paterson Street
	Great Neck, NY 11021		
Destination		Origin	Paterson, New Jersey 07501
Route		Emergency Response Phone No	Vehicle Number

No. Shipping Units	HM*	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (subject to correction)	Rate	CHARGES
3000		lbs. GC C-30 Act. Carbon c/o from 1 adsorber			
800		lbs. GC 12x40 Act. Carbon c/o from 2-400lb. adsorbers			

When transporting hazardous materials include the technical or chemical name for n.o.s. or otherwise specified generic description ... with appropriate UN or NA number as defined in US DOT Emergency Communication Standard (HM-126C). Provide emergency response phone number in case of incident or accident in box above.

REMIT C.O.D. TO ADDRESS

COD Amt $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES: $

FREIGHT CHARGES

Note — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ ______ per ______

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms ... governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the Bill of Lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTICE: For the moving under this Bill of Lading is subject to the classifications and tariffs ... in effect on the date of this Bill of Lading ... supersedes and negates any claimed, alleged or asserted oral or written contract, promise, representation or understanding between the parties with respect to this freight, except to the extent of any written contract which establishes lawful contract carriage and is signed by authorized representatives of both parties to the contract.

SHIPPER	GENERAL CARBON CORPORATION	CARRIER	
PER		PER	
		DATE	

HAZARDOUS MATERIALS — MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN 49 CFR § 172.

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