

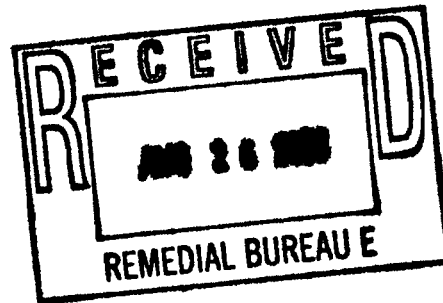
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August 22, 2005

Mr. David Chiusano
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Division Environmental Remediation
New York State Department
of Environmental Conservation
625 Broadway 12th Floor
Albany, NY 12233-7017



Subject: Stauffer Management Company
Maestri Site #7-34-025

Dear Mr. Chiusano:

Please find enclosed the *Maestri Construction Certification Report* prepared by SPEC Consulting LLC., dated August 16, 2005.

Very truly yours,

T. K. Haldas
Project Manager

cc: J Burke, SPEC

STAUFFER MANAGEMENT COMPANY

**MAESTRI SITE
GEDDES, NEW YORK**

**CONSTRUCTION CERTIFICATION
REPORT**

August 16, 2005

Prepared for:

**Stauffer Management Co.
1800 Concord Pike
Wilmington, DE 19850-5437**

Prepared by:

SPEC Consulting LLC

**18 Computer Drive
Albany, NY 12205**

SPEC Consulting Project #99-059

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1.0 CONSTRUCTION CERTIFICATE

**SOIL VAPOR EXTRACTION / BIOLOGICAL REMEDIATION
OF CONTAMINATED SOIL
MAESTRI SITE, SITE NO. 7-34-025
TOWN OF GEDDES, NEW YORK**

Based on my review of this Construction Certification Report, the Record of Decision (March 1995) and my own observations while inspecting the site, I hereby certify on behalf of Stauffer Management Company LLC. (SMC) that the remedial construction work at the Maestri Site #7-34-025, Town of Geddes, NY was completed in accordance with the Order on Consent, remedial design, approved modifications and the March 1995 Record of Decision. This certification is valid for the Soil Remediation phase of the project and is based upon the information available at the time this report was prepared. The soil remediation construction certification for which this certification applies is as stipulated in this report labeled "Maestri Site Construction Certification Report" and dated June 14, 2005. Changes to the site conditions, discovery of undisclosed information or the change in activities at this site may render this certification invalid. This certification is based on my inquiry of the person or persons who constructed the system, or those persons directly responsible for gathering such data; the information submitted is to the best of my knowledge and belief, true, accurate and complete. No warranties either expressed or implied are given. If there are any changes to the conditions stated in this report, we should be notified in order to assess whether such conditions would modify our conclusions. This report has been prepared solely for the use of Stauffer Management Company at the Maestri Site to comply with the New York State Department of Environmental Conservation (NYSDEC) required construction closure certification report submittal. Reliance by others is strictly prohibited. All assumptions, clarifications, observations and representations stated in this report apply to this certification.

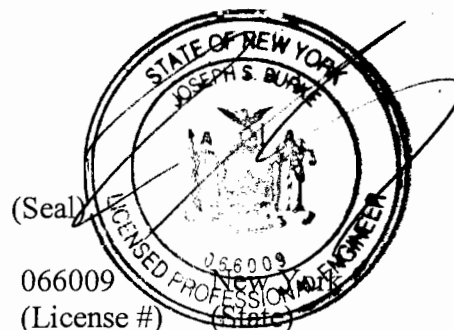
Joseph S. Burke

(Name)

(Signature)

August 16, 2005

(Date)



2.0 EXECUTIVE SUMMARY

SPEC Consulting LLC., (SPEC) has prepared this Construction Certification Report for the Maestri Site located at 904 State Fair Boulevard in the Town of Geddes, Onondaga County, New York NYSDEC Site No.7-34-025. The location of the site is presented in Figure 1 in Appendix A.

The site was previously owned by Mr. Bert Maestri of Geddes, NY and is currently owned by Mr. Kelly Ormsby of Geddes, NY.

Site remediation activities were managed and funded by Stauffer Management Company LLC., (SMC) of Wilmington, DE. Throughout this report, the Maestri Site is referred to as the "site". SMC contracted O'Brien & Gere Engineers of Syracuse, NY to design the site soil remediation phase and the groundwater and contaminant contact surface water treatment system including all site utilities and infrastructure. Groundwater Technology / FD-GTI / IT Corporation was contracted to perform, supervise and manage the site remedial construction activities. SPEC Consulting was contracted towards the end of site remedial activities to provide site closure engineering services.

The information presented in this report demonstrates that the remedial objectives for remediation of soils at the site have been met.

In the 1970's, drums containing industrial waste material allegedly generated by Stauffer Chemical Company were buried at the site. In 1987, the site owner reportedly excavated soil and drums from an area of the site shown on Figure 2 in Appendix A.

In 1987 Malcolm Pirnie, Inc. conducted a limited site investigation on behalf of the Onondaga County Health Department to evaluate the environmental effects of the former waste disposal area. In 1987, the NYSDEC listed the site on the NYS Registry of Inactive Hazardous Waste Disposal Sites as site #7-34-025. September 1992, SMC submitted a final report on the results of the field investigations and development of the site IRMs (ROD).

A remedial investigation and feasibility study (RI/FS) of the site was conducted by O'Brien and Gere on behalf of SMC to determine the nature and extent of contamination and to select a remedial technology for the site. A combination of Soil Vapor Extraction



(SVE) and biological treatment were chosen as the most cost-effective remedy that was protective of human health and the environment. Groundwater was to be treated through an on-site groundwater treatment plant. The Record of Decision to complete soil remediation at the Maestri Site was signed in March 1995 and is included as Appendix B.

Soil remedial activities begun in June 1996 with the excavation of soils and the construction of above grade on-site biopiles for treatment of volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs) with a SVE / bioremediation system. Excavation sidewall and bottom verification sampling was conducted to determine the limits of remedial excavation. The majority of excavation was conducted under an environmental enclosure. Water within the excavation was collected and treated on-site and discharged under the State Pollution Elimination Discharge (SPDES) equivalent permit. Construction continued through the end of March 1997 resulting in a total of five (5) biopiles being constructed. Over 10,000 cubic yards of soil were excavated and treated on-site.

Following construction of the biopiles, the SVE system was operated to promote biological degradation of contaminants in the piles throughout the remediation phase. A leachate sump was operated in a central location and collected water or leachate that accumulated from the biopiles and was treated on-site and discharge under the equivalent SPDES permit. By September 1999 the last of the biopile soils (biopile 5) had met the requirements of the Record of Decision and were returned to the site excavation.

The site was re-graded and seeded in October 1999. Approximately 6" of clean topsoil was placed over the backfilled treated soils. The re-grading was based on pre-construction grades with an overall increase in elevation of approximately 2 feet due to the importation of materials to the site for use in the conditioning of the biopiles. C.T. Male Associates surveyed the final grade and site boundary. A stamped and signed final grade survey drawing is included in Appendix A.

Some groundwater wells, which had been installed and operational since 1992 were removed during remedial excavation. Several recovery and groundwater monitoring wells were removed during the excavation of impacted soils. Two additional recovery wells (RW-7 and RW-8) were installed from June through July 1996.



3.0 INTRODUCTION

3.1 Scope of Report

This Construction Certification Report consists of five sections, including supporting figures, tables, and appendices. Section 1.0, provides the Construction Certification for the project, Section 2.0, is the Executive Summary, which provides an overview of the details contained within this report. Section 3.0 provides information on the background of the site and the project team members. Section 4.0 outlines construction and site restoration activities. A list of references cited in this report is included in Section 5.0.

3.2 Site Background Information

The Maestri Site is located in Onondaga County, New York at 904 State Fair Boulevard, and is approximately 3 miles west of Syracuse (ROD). The location of the site is presented in Figure 1 in Appendix A.

This site is boarded by State Fair Boulevard to the southwest and residents along Alhan Parkway to the northeast. Vacant lots that border the site on the northwest and the southeast are heavily wooded. Approximately a 4 acres portion of the site near Alhan Parkway is cleared and secured with an 8' high fence and two locked gates.

Solvent Savers, a waste disposal contractor, used the site as a drum disposal area in the 1970's. After discovery of the disposal area the Onondaga County Department of Health (NYSDOH) contracted Malcolm Pirnie to conduct a limited site investigation in 1987 in which samples were collected.

Interim Remedial Measures (IRMs) were conducted at the site prior to completion of the RI/FS in 1992 and 1993. The IRMs included the following (ROD 1995):

- Removal of 200+ additional buried drums found during the RI,
- Installation of a groundwater recovery system consisting of 6 pumping wells, 5 located on site and 1 off-site,
- Treatment of the pumped groundwater through an on-site groundwater treatment system that discharged to a nearby storm sewer,
- Installation of over twenty (20) monitoring wells and piezometers for groundwater quality monitoring.



The Record of Decision to complete soil remediation was signed in March 1995 and is included in Appendix B. SMC retained O'Brien & Gere Engineers (OBG) of Syracuse, NY to complete the remedial design. OBG designed the remedial system which consisted of amended above grade soil piles which were enhanced for bioremediation/vapor vacuum extraction of contaminants of concern (CoC's) in the piles. The system was designed for the treatment of an estimated 14,000 cy of contaminated soil identified during the RI. FD-GTI / IT Corporation was contracted to perform the environmental remediation and general construction activities. Construction of the biopiles began in July 1996 and was completed at the end of March 1997. Site soil remediation was considered complete in September 1999 and site restoration activities were completed by October 1999.

3.3 Project Staff and Responsibilities

The project team consisted of the following entities:

- SMC - owner of the site remedial activities,
- O'Brien & Gere Engineers (OBG) who provided design engineering services,
- GTI / FD-GTI / IT Corp, GTI was acquired by Fluor Daniel (FD) forming FD-GTI which was acquired by IT Corp. who provided construction and construction management services (contracts were with GTI/FD-GTI / IT Corp),
- GT Engineering, PC who provided field engineering support during the site remediation,
- SPEC Consulting who provided field engineering services during the later phases of the site remediation and during site restoration phases,
- NYSDEC, who provided engineering and construction oversight.

The staffing and responsibilities of each party are presented in the following paragraphs.

3.3.1 SMC Staff

The work activity at the Maestri Site was performed under Order on Consent # A7-02226-90-03 between SMC and the NYSDEC. The project team for SMC consisted of three primary individuals; Chris Goddard, Joseph MacArthur and SMC representative Mr. Everett Rice.



Mr. Chris Goddard was the SMC project manager. As the project manager, he made the final decision on acceptability of the work. His responsibilities were to oversee all work and to assure the project proceeded satisfactorily according to SMC interests. He interacted with the Prime Construction Contractor/ Construction Manager (GTI / FD-GTI/ IT Corp.) throughout the construction phase, inspected the project site periodically, and attended the scheduled project meetings.

Mr. Joseph MacArthur, the SMC technical manager, oversaw the design and technical aspects of the remediation. His responsibilities were to review and approve all design aspects and to oversee remedial activities. He interacted with the Prime Construction Contractor/ Construction Manager (GTI / FD-GTI/ IT Corp) throughout the construction phase, inspected the project site periodically, and attended the scheduled project meetings.

Mr. Everett Rice was the full time on-site representative for SMC. As the on-site representative, Mr. Rice was responsible for overseeing day-to-day site activities and ensuring quality of the work. He provided full time inspection of the construction activities at the project site, supervised the main contractor (GTI / FD-GTI / IT Corp), and verified construction procedures were performed in accordance with the approved contract documents.

3.3.2 O'Brien & Gere Engineers (OBG) Staff

OBG provided design engineering services and prepared contract documents for construction activities. OBG performed their work under contract to SMC.

Dave Van Arnham was OBG Project Officer and was responsible for overall technical and administrative oversight of the project. Mr. Van Arnham was also responsible for signing and stamping of submittals to the NYSDEC.

Deborah Wright was project manager for OBG. She was responsible for primary correspondence between OBG and SMC.

David Towers was OBG project manager responsible for the scoping, development and technical review of design work plans and design documents. Mr. Towers was also responsible for coordination with SMC and the NYSDEC on technical issues.



Alfred Farrell was task coordinator for OBG responsible for the preparation of work plans, design documents and project plans associated with the implementation of the remedial design and remedial action. Mr. Farrell reported to the OBG project managers.

Nancy Zacharek was project engineer for OBG and assisted Mr. Farrell with development of design documents. Ms. Zacharek reported directly to Mr. Farrell and the OBG project managers.

3.3.3 GTI / FD-GTI / IT Corp Staff

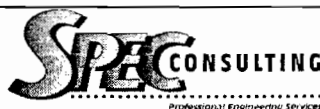
GTI / FD-GTI / IT Corp. performed construction services, construction management services, engineering services (through their NYS Registered Professional Services Corporation GT Engineering, PC) and general contractor services throughout the infrastructure construction phase, remediation phase and operation and maintenance phase. GTI / FD-GTI / IT Corp. performed their work under contract to SMC.

Michael Sykes, PE was project manager. As project manager, he was responsible for oversight of project activities, tracking the work schedule, providing guidance to the resident GTI / FDGTI / IT Corp employees, keeping the NYSDEC project manager informed of work progress, and for correspondence between the contractor and SMC.

Joseph Burke, PE was engineer throughout the construction and remedial phases of the project. Mr. Burke was responsible for the re-design of designated elements of the remedial system originally proposed by OBG and provided engineering services throughout the life of the project. He observed the project site periodically and attended the scheduled project meetings, as requested. Joseph Burke, PE left FD-GTI in 1996 and began SPEC Consulting. As a result, SPEC Consulting performed engineering services beginning in 1996.

Don Shosky, PG was Project Director responsible for general oversight of the project. Mr. Shosky was also responsible for oversight of quicklime operations and biopile construction. He observed the project site periodically and attended the scheduled project meetings, as requested.

David Cook was project superintendent. As project superintendent, Mr. Cook was responsible for providing full time inspection for the construction activities at the project site, supervising field personnel, supervising the work of subcontractors engaged in site



operations, and verifying construction procedures were performed in accordance with the approved contract documents.

Brain Trapp, IE was the QA/QC officer and provided on-site QA/QC and QA/QC officer services throughout the soil remediation phase including construction of the biopiles. As QA/QC officer, Mr. Trapp were responsible for inspecting subcontractor work, and performing or overseeing verification sample collection, handling, and analytical efforts in accordance with the procedures in the approved contract documents.

GTI / FD-GTI / IT Corp. utilized numerous subcontractors through the performance of this project. The subcontractors hired by GTI / FD-GTI / IT Corp. during the construction, along with their major responsibilities are listed below:

- Abscope Environmental-Earthwork
- JBM Construction-Earthwork
- CES Laboratory-Analytical
- C.T. Male Associates-Survey
- Powerline Constructors-Electrical
- Parrat Wolff-Drilling and Well Abandonment
- D C Raucher-C&D Hauler
- Allied Electric-Electrical
- Solvay Electric
- Butler Fencing-Fence
- W.C. Construction-Blower Building Construction
- Universal Structures-Temporary Structure

3.3.4 SPEC Consulting Staff

Joseph Burke, PE left FD-GTI in 1996 and began SPEC Consulting LLC. As a result, SPEC Consulting performed engineering services beginning with the biopile construction phase of the project in 1996.

Joseph Burke, PE was project engineer. As mentioned previously Mr. Burke was responsible for engineering services and to resolve issues related to the design of the remedial system.



Gianna Aiezza, IE started with the project in December 1997 and performed project engineering services including preparation of NYSDEC requested plans. Ms. Aiezza visited the site as needed and was responsible for report writing for site closure and restoration activities.

Wayne Foy replaced Ms. Aiezza's for SPEC project responsibilities in February 2001. Mr. Foy's primary duties included engineering project support associated with report generation and post soil remediation groundwater treatment activities.

3.3.5 NYSDEC Staff

The NYSDEC was responsible for overseeing project site activities. They were responsible for reviewing and approving the remedial design and contract documents and providing site inspection and oversight duties.

Gary Kline, PE was the NYSDEC project manager during the design phase of the project. Mr. Kline was responsible for reviewing and approving the remedial design engineering plans and specifications. Mr. Kline supplied support engineering services during the construction phase to assure that the remedial construction was carried out as specified in the approved plans and specifications. Proposed design changes had to be approved by Mr. Kline prior to implementation. He also acted as a liaison with the local community.

David Chiusano, IE was the NYSDEC project manager for the construction phase of the project. As the NYSDEC's Construction Services project manager, Mr. Chiusano made the final decision on the acceptability of the work on behalf of the NYSDEC. His responsibilities were to assure the project proceeded satisfactorily according to the NYSDEC interests and according to the approved contract documents. Proposed construction changes had to be approved by Mr. Chiusano.

John May, NYSDEC field inspector, provided part-time construction inspection duties throughout the construction phase of the project. Mr. May performed periodic visits during construction activities. While on-site, he was responsible for monitoring the contractor's work progress and performance, as well as compliance with respect to the approved contract documents. Mr. May reported to the NYSDEC construction project manager.



Paul Barth, from E&E Engineers was contracted by the NYSDEC to serve as the full time on-site field inspector during specified phases of the construction. He was responsible for monitoring the contractor's work progress and performance, as well as compliance with respect to the approved contract documents. Mr. Barth reported to the NYSDEC construction project manager. Mr. Barth collected split samples during the construction and biopile operation. FDGTI and E&E split results are included in Table 13. FDGTI analytical results were typically higher in concentrations for most analytes compared to E&E analytical results.

4.0 SUMMARY OF REMEDIAL CONSTRUCTION ACTIVITIES – APRIL 1996 TO OCTOBER 1999

4.1 Introduction

The Maestri Site soils were remediated through a combination of *ex-situ* soil vapor extraction (SVE) and biological degradation. Remedial construction activities commenced in April 1996 and were completed in October 1999. These activities consisted of the following tasks:

- site preparation,
- remedial excavation, screening and segregation of soils,
- soil conditioning, construction and operation of above grade biopiles,
- various soil/air and water analysis,
- collection and treatment of construction water,
- redeposition of treated soils on-site,
- placement of topsoil over redepositioned soils, and
- site regarding and restoration.

The initial phase involved the excavation of impacted soils. Sidewall and bottom verification sampling was conducted to determine the final limits of remedial excavation.

Excavated material was screened and conditioned (addition of vermiculite, fertilizer, lime and wood chips) as part of the construction of five (5) biopiles. The above grade soil piles had vapor extraction pipes installed in the piles for vapor extraction of the volatile organic compounds (VOCs) and enhancement of natural bioremediation of Semi VOCs.



The collection and treatment of excavation water and biopile leachate was discharged under the SPDES equivalent permitted outfall.

SVE was performed using vacuum extraction blowers as specified in the approved plans. The approved project plan called for SVE of VOCs in each completed biopile. SVE operation was an effective means of removing the remaining volatile compounds. The off-gas was sampled at the initiation of system operations in order to establish a baseline level of VOCs in the air-stream. A set of project drawings for the remedial system is included in Appendix A.

At the completion of biopile construction, the piles were periodically sampled to evaluate compliance with remedial objectives. As sections of the biopiles showed contaminant concentrations meeting the remedial action objectives (RAO's) for the site, the NYSDEC approval was obtained for the soils to be backfilled into the excavation. The site RAO's are listed in Table 1. The remaining soils within the pile were spread out to keep a uniform biopile height.

Leachate accumulating in the biocell was gravity drained to a central sump. The leachate was pumped from the sump to the water treatment plant. The water was analyzed prior to treatment in accordance with EPA Method 8240 and 8270 for total VOCs and SVOCs. The collection sump pump began operation at the completion of the first biopile and continued through the remedial phase of the project.

Site closure activities were initiated in September 1999 and included site grading and restoration and were completed in October 1999.

4.2 Site Preparation

Site preparation activities included mobilization of construction support trailers, installation of utilities, clearing and grubbing of remediation / work areas, installation of new fencing, construction of access roads and construction of the decontamination area. These activities were completed between April 15, 1996 and May 30, 1996.

4.2.1 Mobilization of Support Trailers

Two office trailers were mobilized to the site from April 15, 1996 to April 22, 1996. One trailer was used by GTI / FD-GTI personnel and the other was for SMC and NYSDEC personnel. The trailers were located at the northeast side of the property, just north of the



decontamination area. Office space was provided in the SMC / NYSDEC trailer for on-site or visiting NYSDEC personnel. Location of the trailers is shown on drawing 0334-ENC included in Appendix A.

4.2.2 Installation of Utilities

GTI contracted with the local electric utility provider, Solvay Electric, for the installation of a three-phase overhead electric lines. The lines were installed off of the existing public utility supply to the office trailers, blower building and the environmental enclosure. Powerline Constructors, Inc. was hired by FDGTI to install a 400A service. The lines were installed from April 15, 1996 to April 19, 1996.

Electric heat was used to heat the office trailers. Telephone service was installed to the office trailers and to the treatment plant building by Bell Atlantic service technicians. A dedicated fax line was also installed. Portable sanitary facilities were supplied to the site and were pumped out periodically.

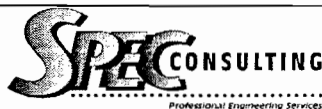
4.2.3 Construction of Temporary Access Roads

An access road into the site had already existed, although improvements to this road were needed. GTI subcontractor personnel improved the existing access road and built new roads to facilitate access to the excavation. Roads were built using crushed stone and crusher run. GTI added a stone parking lot for construction personnel. GTI / FD-GTI / IT Corp. maintained the road during the course of the remedial work. The temporary road is shown on drawing S-1 included in Appendix A. The improvement and additions to the road were completed from April 22, 1996 to April 26, 1996. The general layout of the main site road is shown on drawing 0531-AIR included in Appendix A.

4.2.4 Clearing and Grubbing

Prior to the start of GTI led construction activities, O'Brien & Gere Engineers (OBG) had delineated the areas to be cleared and grubbed. Most of the initial clearing work was subcontracted to JBM Construction. The clearing work was performed from April 23, 1996 to April 29, 1996.

Clearing consisted of the cutting and removal of trees and ground cover in the area of remediation designated contaminated soil areas and included other areas such as at the



location of the concrete pads and water treatment building and along the proposed perimeter security fence. Cleared trees were stockpiled on the northwest corner of the site until site closure and restoration activities when the trees were chipped on-site and mixed with soil for the loam layer.

Grubbing primarily consisted of the removal of stumps from the remediation area. The stumps were chipped on-site at the end of remedial activities and mixed with the chipped trees and soil for the loam layer.

4.2.5 Soil Treatment Enclosure

In order to minimize and control odors during the excavation and processing of soils, the excavation and screening operations were performed within a temporary environmental enclosure provided by Universal Structures, Inc.

The area for the enclosure was graded on May 28 and 29, 1996. The enclosure and air handling system within the enclosure were constructed from May 28, 1996 to June 17, 1996.

The enclosure is similar to a "Sprung" structure and is a TFS series manufactured by Universal Structures, Inc. The structure is covered by fabric consisting of a polyester material sandwiched between two PVC layers on a tubular structural aluminum frame. The columns were spaced approximately 13' on center.

The enclosure was used to house the excavation, screening operations and stockpiling of contaminated soils. The "L" shaped structure was approximately 96' wide by 301' in length in a northerly direction and 192' long at the southern end in a westerly direction. The dimensions of the structure are shown on Sketch #1 and drawing 0334-ENC included in Appendix A. A catalogue sheet is included as Appendix J.

A contingency plan titled "Excavation / Building Footer Support for the Self Supporting Prefabricated Aluminum Panel Building" dated June 25, 1996 was developed in the event excavation was conducted by the footers of the building. The structure was decontaminated and removed by Universal Structures, Inc. as outlined in FD / GTI October letters dated September 30th and October 11th 1996. Refer to Section 4.7 for enclosure removal discussions.



4.2.6 Screening Plant

The screening plant to screen and condition soils was set up in June 1996 and screening activities were performed from June 1996 through November 1996. The screening requirement was greater than 90% passing the ¼" sieve. The screening plant was used in a typical configuration and was not modified from its basic configuration.

4.2.7 Blower Building Construction

A building was erected during construction of the biopiles for housing of the blowers and nutrient tanks. The building was wood framed with pre-engineered wood trusses and was constructed by W.C. Construction. Allied Electric installed electrical service to the building. The Location of the blower building is shown on drawing 0531-STA in Appendix A.

4.3 Health and Safety

GTI / FD-GTI / IT Corp. personnel served as the Health and Safety Officers for the site. Health and Safety personnel were responsible for conducting safety meetings, personnel and perimeter air sampling, and the collection of soil samples. Several GTI / FD-GTI / IT Corp. technicians were also used for miscellaneous construction activities.

4.3.1 Personal Protection

The level of protection for workers involved in the soil excavation and soil screening within the temporary structure activities was typically level C. Level C protection requires tyvek suits, full-face respirators, gloves, and over boots, in addition to normal Level D equipment (field clothes, hard hats and work boots). The site Health and Safety Officer monitored the work area to determine if upgrading to respiratory protection was required. Biopile construction activities took place outside the temporary structure and required only level D protection. Used personnel protective equipment (PPE) was placed into containers at the site as work progressed and was disposed offsite as solid waste.



4.3.2 Decontamination Areas

When site construction activities began two concrete pads existed from previous IRM activities. A 25' x 40' concrete decontamination pad for use during excavation activities was located northwest of the air treatment building. A second larger concrete pad (80' x 25') was located just west of the decontamination pad and was used for the treatment shed. The locations of the pads are shown on drawing 0334-ENC included in Appendix A. Both of these pads were removed during site restoration in 1999, refer to Section 4.7.3.

4.3.3 Site Security

A fence with a locked gate provided security to the site. The majority of the fence had been constructed during previous IRM projects, however, in order to obtain enough area for biopile construction, the western portion of the fence was moved during June 17, 1996 and June 25, 1996. The fence was relocated back to the original position at the end of the project during site restoration activities in October 1999. The fence location in May 1996 and October 1999 are shown on drawing S-1 included in Appendix A.

4.3.4 Hours of Operation

Work hours were typically Monday through Friday from 7 am through to 4 pm. From September 14th through mid October 1996 work was conducted on Saturdays to enable the remedial construction be completed during favorable weather. A letter was sent out to residents on September 11th to inform them of Saturday work. The letter is included in Appendix E.

4.3.5 Air Monitoring

The Site Safety Officer was responsible for performing air monitoring on a regular basis within the breathing zone of workers. GTI / FD-GTI / IT established an action level of 50 ppm VOCs measured using a photo ionization detector (PID, 10.2 eV lamp). VOCs were monitored three times daily at eight locations using the PID within the immediate vicinity of the excavation work zone (FDGTI 1997).

Ambient air samples were also taken daily at two monitoring locations to monitor xylene concentrations outside the environmental enclosure. Each sample was collected over an



eight hour period using a sample pump which maintained a constant flow of air through a charcoal sampling tube. At no time during excavation or construction was the 50 ppm action level approached (FDGTI 1997).

Dust and particulate matter in the breathing zone was measured on a daily basis during work activities with a Miniram® detector. Dust was monitored at eight locations around the perimeter of the site during the excavation with an action level of 2.5 mg/m³. Dust was controlled by periodic water sprays to the access road and work zones with treated water from the treatment system. The NYSDEC correspondence including the approval letter for use of treated water for dust control is included in Appendix F. At no time during excavation or construction was the 2.5 mg/m³ action level approached (FDGTI 1997).

Indoor (within the environmental enclosure) air monitoring was conducted hourly during construction activities. During the excavation and soil remediation phase of the project, Level C respiratory upgrades were necessary within the limits of the temporary structure. Level B upgrades were used due to the earth moving equipment (excavators, loaders, bulldozers) exhaust in the treatment building. Level B upgrades were used on occasions as an alternative to periodic work stoppages due to equipment fumes (including nitrogen oxide). For a period of 2 to 4 weeks supplied air was used when nitrogen oxide levels exceeded HASP action levels.

Refer to Appendix F for ambient air monitoring results during the excavation of impacted materials and construction of the biopiles and indoor air results.

4.4 Excavation

The following section details remedial excavation.

4.4.1 Equipment

The majority of the excavation was completed by a Caterpillar 235 excavator with a 2.25 cubic yard bucket. The Cat 235 is a tracked backhoe style excavator. Other similar tracked excavators were used at the site.



4.4.2 Excavation and Screening.

Excavation was initiated on June 17th 1996 and generally progressed from west to east. The excavation and screening and stockpiling of impacted soils was completed within the environmental enclosure and was completed in November 1996. Additional soils were excavated between December 1996 and March 1997 after the enclosure was removed. Sampling performed during the excavation activities was outlined in the "Sampling Procedures Plan" prepared by GT Engineering Soil Remediation Project, Maestri Site Geddes, New York" dated June 10, 1996.

As outlined in the plan, sampling and analysis during excavation involved initial screening of the first four feet of soils below grade surface from the excavator bucket using a photoionization detector (PID). Soils were segregated based on PID readings and staged in approximately 200 cubic yard piles outside the enclosure and marked as "contaminated" or "potentially contaminated". Three (3) grab samples and one (1) composite sample were then taken from each pile and analyzed for VOCs and SVOCs.

Stockpiles analytical results which met the remedial action objectives (RAOs) were designated as "clean" and later used for backfill on-site. The site RAOs are listed in Table 1. If a VOC concentration exceeded the RAOs, the pile was taken within the environmental enclosure and processed through the mechanical screening system.

After screening the stockpiles were resampled. If the VOC and SVOC results met the RAOs, the soil was stockpiled outside for use on-site as clean backfill. If the samples exceeded the VOC or SVOC limits, the pile was designated for on-site treatment and were staged within the enclosure. Approximately 2,000 cubic yards of material were designated as "clean". Stockpile VOC and SVOC analytical results for the first screened 20 piles are included in Table 2. Tabulation of the initial screening analytical results after the first 20 stockpiles (soil excavated below the four feet limit) was not performed as all these soils were designated for on-site treatment and were sampled as part of the on-site biopile treatment detailed in Section 4.5.1.

Due to limited space, some of the soils with SVOC's above the RAO's were temporarily staged outside the environmental enclosure prior to the construction of the biopiles. FDGTI's request letter and the Departments approval for staging the material outside are included in Appendix D.



Soil excavation and screening rates ranged from less than 200 cy to 600 cy per day. Approximately 10,000 cy of material were excavated at the site. Material process summary from June 18th through August 21st 1996 is included in Appendix C.

On January 23, 1997 several drums were encountered while excavating trenches for the installation of electrical and phone lines. The drums were located approximately 75 feet west of the excavation face near the electrical pole. Refer to the daily notes included in Appendix N for the location of the drums. The drums contained some liquid and were overpacked, sampled and disposed off-site as solid waste. Disposal records are included in Appendix M. Soils within the area were removed to approximately 10 feet below grade surface resulting in an approximately 25 foot diameter excavation. Side and bottom samples within the excavation were taken for analysis. Based on analytical results additional soils were removed on January 30th on the northern wall and the area re-sampled and the soils sent in for analysis. During a site visit on February 4, 1997 the NYSDEC reviewed the analytical results and approved the area to be backfilled. The approved letter dated February 13, 1997 is included in Appendix D.

4.4.3 Verification Sampling

Excavation proceeded in the area designated on the OBG contract drawings from west to east. The initial determination of sidewall excavation limits was made by field personnel and was based on visual staining and/or headspace reading less than 10 ppm as measured by a PID. The initial excavation limits for the floor was based on encountering the hard till layer. Once it was determined that the contaminated soils in an area had been removed, verification soil samples were conducted.

Excavated impacted material consisted of native soils and extended to an average depth of 20 feet below grade where a weathered till layer was encountered. Soils contained few rocks/stones and were nominally less than 3". As excavation progressed easterly a hard low permeability dense gravel course sand conglomerate was encountered approximately 8 to 10' below grade extending from RW-1 to the southern limit of the excavation.

A 30-foot grid pattern was established for verification sampling. A grab sample was taken at each node of the grid and sent to Certified Environmental Services Laboratories (CES) in Syracuse, New York for laboratory analysis. CES analyzed the samples for both volatile and semi-volatile compounds using the United States Environmental Protection Agency (USEPA) approved Methods 8010/8020 and 8270.



If a verification sample concentration was above the RAOs, the soils, in one to two feet lifts were removed at the grid node and extending $\frac{3}{4}$ the distance to the next "clean" grid node. Soil sampling and analysis at that grid node was then re-performed. The site RAOs are listed in Table 1.

The verification sample analytical results were submitted to the NYDEC for review and approval as the work progressed. SMC received written or verbal approvals from the NYSDEC for each verification sample location prior to backfilling these areas. The ROA's were achieved at all sample nodes with the exception of three (3) nodes in the northern corner "pan handle area" of the excavation. These sample locations were; MV 03-05, MVW-05-6 and excavation floor sample MVF-A-2. These samples had no detectable SVOC concentrations and met the VOC ROA's for all contaminants except for low levels of xylene. Xylene results were MV 03-05 at 13 ppm (E&E split results 1.7 ppm), MVW-05-6 at 1.5 ppm (E&E split result 1.0 ppm) and excavation floor sample MVF-A-2 at 1.6 ppm. The RAO for xylene is 1.2 ppm. The excavation at this location had progressed to within the property line and due to the proximity of the embankment and slope stability concerns "additional investigation" borings and groundwater sampling was conducted to evaluate the extent of contamination in this area. The correspondence associated with "additional investigational" work is included in Appendix D.

The boring locations were selected in the field by the NYSDEC on February 4th 1997. Three (3) soil borings were completed on February 6 and 7th 1997. Groundwater samples were taken from RW-7 and RW-8 on January 30th and February 4th 1997. The approximate locations of the borings and wells are shown on the drawings associated with SMC correspondence dated January 30, 1997 included in Appendix D. No SVOC's were detected in the soil samples taken. Only xylene was detected in the soil samples. All xylene samples were below the site soil ROA of 1.2 ppm with the exception of PSB-1 which had a concentration of 5 ppm taken at 24-25' below grade surface. At the request of the NYSDEC, RW-07 and RW-08 groundwater was analyzed for VOC's, SVOC's, herbicides, pesticides and PCB's. No SVOC's, herbicides, pesticides or PCB's were detected in the groundwater samples. Low levels of xylene were detected at RW-7 and RW-8 at concentrations of 5.7 ppb and 14.2 ppb with a site ROA of 5 ppb. The soil boring sample locations were in the vicinity of groundwater recovery wells RW-7 and RW-8.



Verification sampling locations and summary of analytical results are shown on drawing 0531-SUM Rev 1.0 dated March 15, 2005 in Appendix A. The analytical results are summarized in Tables 11 (groundwater), 12 (soil borings) and 14 (verification). Some of the verification sampling analytical results in Table 12 were obtained from FDGTI sample location drawing 0531-SUM Rev 0.0 dated January 27, 1997. Not all laboratory analytical reports were available at the time of preparing this report and therefore backup analytical data for all sample results shown on this drawing are not included in this report. The analytical results were previously submitted to the NYSDEC.

After the environmental enclosure was removed the main excavation measured approximately 90 feet wide by 200 feet long by 20 to 23 feet deep. Excavation contour drawing (0531-CON) and final limits of the excavation drawing (0531-SUM) are included in Appendix A.

When the excavation was completed, the sidewalls were excavated to a 2:1 slope and an orange construction fence was erected along the top of the excavation. The fence was 4 feet high with metal posts located every 10 feet along the length.

At the completion of the excavation, a 6" stone drainage layer was constructed in the excavation and backfilled with some clean soil. The volume of stone used for the drainage layer was approximately 140 cubic yards and the volume of backfill soil used was approximately 970 cubic yards.

The stone drainage layer was connected to a recovery well labeled "excavation well" and was used to collect residual contaminated groundwater within the excavation. The location of the recovery well is shown on Figure 1 of the FDGTI letter dated October 29 1996 included in Appendix D. The excavation well was removed during backfilling of the excavation.

4.5 Biopiles and SVE Treatment

The treatment process was through soil vapor extraction (SVE) and bio-remediation for the removal of VOC and SVOC compounds.

Prior to the construction of the biopiles the contaminated soils underwent a process referred to as soil conditioning which was performed within the environmental enclosure.



The biopiles were then constructed outside the enclosure with the conditioned soils. During the course of the project, a total of five biopiles were constructed. Biopiles 1 and 2 each consisted of approximately 1,000 cubic yards of soil and were each operated for approximately 4 months. Biopile 3 was operated for a little less than 3 years and biopiles 4 and 5 were each operated for approximately 2-½ years. Biopile 3 was the largest pile and consisted of approximately 5,700 cubic yards of soil. Biopile 4 was constructed of 1,750 cubic yards of soil and Biopile 5 consisted of approximately 3,700 cubic yards.

4.5.1 Soil Conditioning Process

In order to prepare the contaminated soils for treatment, the contaminated soils under went a conditioning process.

The soil conditioning process involved the staging, pretreatment, conditioning and segregation steps for the excavated contaminated soils. The soil conditioning process was divided into the following elements:

- Soil handling.
- Screening and segregation.
- Vermiculite, fertilizer and wood chips addition.
- Quicklime addition.
- Sampling.

Soil handling involved the staging of contaminated soils within the enclosure and movement of these soils through the soil conditioning process.

Soil screening and conditioning was performed within the environmental enclosure. Screening and segregation involved screening of the contaminated soils to remove particle sizes greater than ¼". Stones greater than ¼" diameter removed during this process were segregated. Very few rocks were encountered during the excavation. Stones greater than ¼" diameter were used in addition to imported stone for the drainage layer of the biopiles.

The soil was screened and mixed with vermiculite, fertilizer and wood chips to improve air permeability and nutrient levels. The screening requirement was greater than 90% passing the ¼" sieve. Quicklime addition to the soil was 5-10% by weight. The



quicklime was added to improve soil handling characteristics and improve volatilization by removing water trapped within the soil and raising the soil temperature. Instead of using fine quicklime, quicklime chipped 1" or less was used to allow for slower more prolonged heating and drying. The chipped quicklime was less of a dust problem and was easier to handle than the fine quicklime.

Soil was mixed using an excavator in approximately 30 cubic yard batches (referred to as a "batch"). Approximately 3 cubic yards of wood chips were added to the 30 cubic yards of soil. Vermiculite was delivered to the site in 56 cubic feet super-sack bags. A one-half bag (approximately 1 cubic yard) of vermiculite was added to each batch (30 cubic yards) of soil. Twenty-five pounds of fertilizer was also added to each batch. The fertilizer was 42% nitrogen and 5% phosphorous. Agway in Syracuse, New York provided the fertilizer and quicklime, and the vermiculite came from VIL Vermiculite Inc. of Woodbridge, Ontario. The materials were shipped from Lachine, Quebec. The general specifications for the fertilizer, quicklime and vermiculite are included in Appendix K. An inventory of the stockpiles showing the number of screening iterations within the environmental enclosure is included in Appendix C.

4.5.2 Soil Placement

A front end loader was used to transport the conditioned soil from the screening area to each biopile under construction.

Biopile 5 was constructed in the location where biopiles 1 and 2 had previously operated. Biopiles 1 and 2 soils had been remediated and backfilled into the excavation prior to the construction of Biopile 5. Refer to the drawings 0531-STA dated 8/5/96 and 9/24/96 in Appendix A for the location of the biopiles.

4.5.3 Construction of the *ex situ* Biopiles / SVE

The biopile construction consisted of a drainage layer with a filter fabric separation barrier and approximately 2-feet of clean backfill material. The piles were designed to have an air extraction rate of between 15 and 30 cubic feet of air per minute for each 1,000 cubic yards of soil.



Moisture and nutrient addition drip lines were installed every 2 feet across the pile. Two inch diameter air extraction piping was installed every 6 to 8 feet and 4-inch diameter passive air injection piping was also installed every 6 to 8 feet.

A drainage and aeration layer was installed under the piles and a 40 mil low density polyethylene liner was used for the bottom of the piles. Sand bedding material was placed under the bottom liner. A 4" leachate collection drain line was installed in the drainage layer and two inch diameter monitoring points were placed throughout the piles.

The piles were constructed for a height of approximately 8 feet, although Biopile 3 was approximately 10 feet. The five biopiles varied in size from approximately 1,000 cubic yards to 5,700 cubic yards. Biopile 3 was the largest pile at 5,700 cubic yards of soil. Because of the large size, Biopile 3 was constructed with an additional set of 4 inch diameter slotted air extraction pipes located in the middle of the pile every 6-8 feet to allow greater air access to the pile. Drainage construction details are included in Appendix A drawings 0531-BIO and FDFTI 0531-BIO-2.

4.5.3.1 Drainage Layer and Leachate Collection Sump

Each biopile was constructed with a drainage layer. The drainage layer consisted of a layer of 40 mil liner on the floor bottom, a 4" gravity drain line going to a central sump that collected leachate from all of the piles and a washed stone layer over the drain line.

Placed over the top of the drainage layer was a 4-ounce weight filter fabric. The fabric served as a separation barrier between the soil and the stone drainage layer to prevent soils from falling into and clogging the drainage layer. The drainage layer was constructed to direct the flow of leachate toward the collection sump.

The collection sump was constructed of pre-cast concrete sections 6 feet in diameter. The sump was equipped with a pump and float system so that water was automatically pumped to the on-site water treatment system. Water from the treatment system was discharged to the storm drain outside the northwest corner of the site under the equivalent SPDES permit.



4.5.3.2 Air Extraction Piping and Blower System

A system of air extraction pipes was installed within each biopile. Two inch diameter air extraction piping was installed every 6 to 8 feet and 4-inch diameter passive air injection piping was also installed every 6 to 8 feet. The pipes were perforated so that air could be drawn through the piles for vapor extraction and bioremediation.

The SVE blower system for each pile was operated from the time each pile was constructed until the site cleanup goals for soil were achieved.

A second blower system was installed at the site to maintain and/or reduce soil moisture content in an effort to enhance the removal of VOC's from the biopiles utilizing warm air. The second system was installed and warm air was introduced in January 1998. FDGTI request for the modification and the NYSDEC's approval letter is included in Appendix D. Construction details are included in Appendix A

4.5.3.3 Cover Material

As the biopiles were constructed, sheets of polyethylene/nylon covers were used to divert stormwater, and mitigate the release of VOC's. Each tarp was secured with sandbags placed approximately 10 feet apart. Sandbags were filled with on-site clean soil. The NYSDEC's approval letter to use on-site clean soils dated August 5, 1996 is included in Appendix D.

4.5.4 Post Biopile Construction Sampling

The VOC / SVOC sampling, air exhaust sampling, temperature, pH and moisture content were recorded during the operation of the biopile and SVE remediation phase. If the piles were low in moisture, the collected leachate or treated water from the treatment system was dripped into the piles. Water was not added when temperatures were below freezing. Soil sampling was performed at the completion of construction of each of the biopiles and continued through the remedial treatment process. Biopile analytical results were periodically submitted to the NYSDEC as remediation progressed.



Biopile 1 and 2 construction was completed in August 1996 and each pile consisted of approximately 1,000 cy each. Biopile 1 & 2 parameters were; pH range of 10 to 12 SU, VOC concentrations of 1 to 12 ppm and SVOC concentrations from non detect to 2.4 ppm. Biopile 3 was approximately 5,700 cy, had a pH range of 7 to 9 SU, VOC concentrations of non detect to 920 ppm and SVOC concentrations from non detect to 2.29 ppm with construction completed in November 1996. Biopile 4 was approximately 1,750 cy, had a pH range of 7 to 9 SU, VOC concentrations of non detect to 3929 ppm and SVOC concentrations from 0.5 to 56 ppm with construction completed in early January 1997. Biopile 5 was approximately 3,700 cy, had a pH range of 7 to 9 SU, VOC and SVOC concentrations were not available at the time of this report. Construction of Biopile 5 was completed in March 1997.

Each biopile was sampled in approximately 200 cy segments. During operation of the biopiles, sampling was conducted to evaluate the progress of remediation of the soils in the pile. The VOC and SVOC analytical results for each sampling event were transmitted to the NYSDEC for review and approval prior to the redeposition of soils back into the excavation. This occurred periodically as remediation progressed.

Biopiles 1 and 2 were each operated for approximately 4 months. Biopile 3 was operated for a little less than 3 years and was the largest biopile. Biopiles 4 and 5 were each operated for approximately 2-½ years.

A summary of VOC and SVOC sampling results for Biopiles 1, 2, 3, 4 and 5 are included in Tables 3 and 4. Drawings showing sample locations within the biopiles are included in Appendix L. Operational parameters of the SVE system, intake and exhaust data, temperature, pH and moisture content testing of the biopiles are included in Tables 5 through 8 and Table 15. Biopile 1 and 2 operational data was not available at the time of preparing this report.

4.5.4.1 Air Sampling

Air sampling and monitoring was performed in order to assess biological activity and VOC concentrations in the exhaust from the biopiles and air treatment system (FDGTI 1996). The air flow rate extracted from each of the piles was monitored weekly for the first month and monthly for the remainder of remedial activities.



Air sampling of the soils within the piles was performed for VOCs using a PID. Temperature and flow rates, and air sampling of the exhaust from the granular activated carbon canisters occurred prior to discharge to the atmosphere. This sampling was performed for VOCs only. Both sampling of within the pile and the carbon exhaust was performed monthly, although sampling the exhaust was discontinued after no contamination was detected continuously for one year.

4.5.4.2 Leachate Samples

Leachate samples were taken from the drainage of the biopiles. Sampling was to assess the concentration of VOCs and SVOCs. No SVOC compounds analyzed were detected. The only VOC detected was xylene and ranged in concentration from non detect to 131 ppb. The results of the drainage sampling are included in Table 9 for biopiles 3, 4 and 5. Biopile 1 and 2 records were not available at the time of generating this report.

4.6 Redeposition of Soils

At the completion of the bio-degradation / SVE phase within each biopile, the sampling results were submitted to the NYSDEC for review and approval prior to redeposition of the treated soils. The sampling results were to demonstrate that the following soil cleanup criteria was met:

- ▶ Total VOCs less than or equal to 10 mg/kg.
- ▶ Total SVOCs less than or equal to 500 mg/kg.
- ▶ Individual target concentrations meeting RAOs (Table 1).

As segments of soils (from 50 to 200 cy) within each biopile met the site ROA they were placed back into the excavation. Verification sampling had been completed within the excavation prior to the redeposition of the treated soils.

The first approval from the NYSDEC for backfilling of treated soils (biopiles 1 & 2) was received on February 13th 1997. The approval letter is included in Appendix D. Treatment of soils for the remaining biopiles continued through to August 1999 when the NYSDEC on August 4th 1999 approved the final segments of treated soils for backfilling. Written and/or verbal approval was obtained from the NYSDEC for redeposition of the treated soils. The biopile analytical results were previously submitted to the NYSDEC and NYSDOH.



Generally, soils were backfilled in 2' lifts and compaction was achieved using a 20 ton vibration roller.

As a result of the quicklime addition during the conditioning phase of Biopiles 1 and 2, the pH of the soils elevated to 11 to 12 SU. In order to bring the pH back to a neutral range (6-8), sodium bicarbonate was added. The soil was mixed with approximately 7% by weight sodium bicarbonate using an excavator and front-end loaders. The sodium bicarbonate was successful in bringing the pH down to within the neutral range. Church and Dwight of Syracuse, NY provided the sodium bicarbonate. The general specifications for the sodium bicarbonate are included in Appendix K.

4.7 Site Restoration

Site restoration activities began after the completion of excavation and screening activities and was completed with site regarding.

4.7.1 Environmental Enclosure Removal

The environmental enclosure and power screening equipment was decontaminated from November 2nd through November 4th 1996. The environmental enclosure was decontaminated which included the purlins, fabric and arches. The fabric was pressure washed before removal of the enclosure and the plastic door strips were disposed of off-site as solid waste. After decontamination, the purlins were removed, followed by the fabric and arches. The arches were dismantled and the base plates were removed. Dismantling of the enclosure began the week of November 12th 1996 and lasted approximately 7 days. Universal Structures, a subcontractor to FDGTI, performed the work. Correspondence associated with decontamination of the enclosure is included in Appendix D.

4.7.2 Site Fence

The western fence and gate were relocated back to the pre-construction location. In order to obtain enough area for biopile construction, the western portion of the fence was moved during June 17, 1996 through June 25, 1996. The fence was relocated back to the original position at the end of the project during site restoration activities in October 1999. The fence location in May 1996 and October 1999 are shown on drawing S-1 included in Appendix A.



4.7.3 Concrete Slabs, Biopile Subbases and Building Dismantling and Disposal

The concrete decontamination pad and concrete building slab were removed.

The concrete pads were pressure washed, characterized and disposed of off-site as solid waste. Soils under the pads were sampled for VOC and SVOC's. Soil under the building slab did not require excavation. Approximately 100 cubic yards of soil from under the small decontamination pad required off-site disposal as solid waste. The building was also disposed of offsite as solid waste. Analytical sampling results of soils are summarized in Table 10. Offsite disposal records are included in Appendix M.

The biopile subbase material was sampled and determined that the material could be used on-site for improving the roadway and other areas of the site. The subbase sampling results are summaries on Table 10 and sample locations included in Appendix L.

The carbon units used at the site were characterized and disposed offsite as solid waste. Offsite disposal records are included in Appendix M.

4.7.4 Site Regrading

The site was re-graded by Abscope Environmental. The grading was performed based on pre construction grades, although there was an overall increase in elevation reflecting the increase in cubic yardage from importing material used in the construction/conditioning of the biopiles.

The grading restored the drainage to the site with an overall west to east flow of surface water. By October 12th 1999 Abscope had completed the site regarding, seeding and mulch placement. Three inches of loam and six inches of top soil was placed over the soil redeposition areas. Silt fencing and hay bales were placed along the perimeter of the site for silt and sediment control during and following grading activities.

The area to the west of the fence outside the construction area had been irregularly filled by the current property owner and was not part of the regrading plan. The regrading plan correspondence including the NYSDEC's approval letter is included in Appendix D.



4.7.5 Site Survey

The fence around the construction site and the final grade survey was conducted by C.T. Male Associates (licensed Surveyors). A sealed site drawing is included in Appendix A.

4.8 Groundwater and Stormwater

During soil excavation and biopile construction, groundwater and potentially contaminated stormwater was collected and treated through the on-site waste water treatment plant (WWTP) and discharged under the equivalent State Pollution Discharge Elimination System (SPDES) permit. During the biopile bio-remediation phase, groundwater was collected from the drainage layers and treated with bag filters and GAC units in the on-site WWTP. Currently, the water treatment system is used to treat extracted groundwater from the on-site recovery wells. Standard sediment and erosion controls were established and maintained at the site.

4.8.1 Collection

Water was collected from the six (6) on-site recovery wells at a total flow rate of 4-8 gpm in addition to construction water. The water collected from the excavation was pumped into a holding tank and sent through the treatment system. The greatest volume of water was collected during storm events. The surface run-off water was often allowed to enter and collect in the excavation in order to avoid flooding of the neighboring property. The water would be pumped out of the excavation and collected in a 2,200-gallon "Modu" tank. Due to large amounts of construction water, several 20,000-gallon "frac" tanks were brought on site in November 1996 for extra storage. The sump associated with the drainage layer of the excavation was moved to the lowest elevation in November 1996 as shown on Figure 1 of FD/GTI letter dated October 29th 1996 included in Appendix D.

4.8.2 Treatment

Collected groundwater and stormwater was treated on-site before discharge to a storm sewer which discharged to the Onondaga Lake under the equivalent SPDES effluent criteria for NYSDEC Division of Hazardous Waste Remediation Site No. 7-34-025. The water was treated with particulate filtration and carbon adsorption.

The original design flow of the treatment system (approximately 5 gpm) was insufficient to handle the quantity of water encountered during construction activities. Modifications



to the system were made throughout the excavation phase of the project, to increase the flow rate to 8 gpm. An additional carbon canisters were added to the treatment process on November 15, 1996.

When it was determined that the equivalent SPDES flow rate limit was below the volume of construction water encountered, the NYSDEC on December 19th 1996 approved FDGTI's request to temporarily increase the permit flow rate from 8 gpm to 30 gpm. An additional 30 day extension was grant by the NYSDEC on February 13th 1996.

In December 1996 FDGTI installed a dedicated construction water treatment system consisting of bag filters and 2 high pressure carbon units (HP200) in series. The new system had a capacity of 20 gpm. The separate construction water treatment system was operated throughout the remainder of the excavation activities and was connected to the discharge line of the original recovery well treatment system.

The original treatment system treated the groundwater being pumped from the recovery wells and continues to operate through the long term groundwater monitoring and groundwater treatment phase of the project.

Water discharge samples were collected and sent to CES Laboratories of Syracuse, New York for analysis. The following analytical methods were used to monitor the discharged water in accordance with the equivalent SPDES permit:

- EPA Method 8021 for Volatiles
- EPA Method 8270 for Semi-volatiles with phenols and phalates
- EPA Method 1664 for Oil and Grease
- Standard Method 2540D for total suspended solids (TSS)
- EPA Method 160.1 for total dissolved solids (TDS)
- EPA Method 200.7 for Metals and Filtered Aluminum

Sampling of the treated effluent water from the water treatment plant and stormwater sampling was performed in accordance with the equivalent SPDES permit requirements. Monthly sampling of groundwater data was provided to the NYSDEC by SMC throughout the project.



Throughout the remedial excavation effluent limit excursions were noted on only three occasions (12/17/96, 12/24/96 and 1/8/97). Corrective measures were submitted to the NYSDEC and implemented, including reducing the laboratory turn around times to 48 hours, an additional set of carbon units placed in series, and the flow rate for this system was to be kept below 10 gpm. No excursions were recorded after these measures were implemented.

In July 1999 SMC submitted a completed SPDES application form (NY-2C) to the NYSDEC. The Department's Division of Water (DOW) issued a revised effluent criteria (revised equivalent SPDES) which became effective September 2000 and expires on August 2010. The SPDES equivalent permit and associated correspondence is included in Appendix G.

4.8.3 Erosion and Sediment Control

Standard measures including haybails and silt fences were used at the site for erosion and sediment control. During snow melt conditions additional sediment and erosion control measures were implemented. Additional haybails and silt fences were installed in February and April 1999. In March 1999, Abscope installed a 20' x 60' x 2' deep catch basin in front of the water treatment building to control the majority of stormwater run-off from west the property (outside of the fence area). Correspondence associated with erosion control measures is included in Appendix I.

4.8.4 Monitoring and Recovery Wells

Since 1992 a groundwater recovery system consisting of 6 pumping wells operated at the site. Some of the recovery wells and several groundwater monitoring were removed during the excavation of impacted material and two additional recovery wells were installed.

Two additional recovery wells (RW-7 and RW-8) were installed to improve groundwater capture at the site. The wells were installed from June through July 1996. At the request of the NYSDEC, RW-7 and RW-8 groundwater was analyzed for VOCs, SVOCs, herbicides, pesticides and PCB's. Sampling was conducted on January 30th 1997. No SVOC's, herbicides, pesticides or PCB's were detected in the groundwater samples.



Low levels of xylene were detected at RW-7 and RW-8 at concentrations of 5.7 ppb and 14.4 ppb with a site ROA of 5 ppb. Results are shown on Table 11.

Off-site monitoring well MW-21 located at 151 Alhan Parkway was decommissioned by SMC in October/November 1998. The well was decommissioned at the request of the resident where the well was located.

As remedial excavation advanced piezometers PZ-1, PZ-8, PZ-11, PZ-16 and PZ-17 were excavated out completely. Monitoring wells MW-6, MW-7, MW-8 and recovery wells RW-109 and RW-101 were removed. Recovery well RW-4 was left out of service and the pump was removed and used at RW-5.

In June-July 1999 monitoring wells, piezometers and recovery wells were sampled for site ROA's. Results were transmitted to the NYSDEC on August 16th 1999. The recovery wells were sampled from July through November 1999. The analytical results are summarized in Table 11.

In September 1998 recovery well RW-2 was overdrilled to improved groundwater recovery.

Drill logs and correspondence associated with the groundwater recovery and monitoring wells is included in Appendix G. Drawing GW-1 showing the location of the current wells at the site is included in Appendix A.

4.9 Change Orders and Significant Changes to Work

The work at the Maestri Site included the following major tasks:

- Land clearing and infrastructure construction.
- Water Collection and Treatment.
- Excavation and *ex-situ* biopile construction.
- Operation during biopile remediation.
- Redeposition of soils and regrading/site restoration.



4.9.1 Land Clearing and Infrastructure Construction

No significant changes occurred during the land clearing and infrastructure construction phase of the project.

4.9.2 Water Treatment

The water treatment system was constructed as designed and used to treat construction water until water demands exceeded the plant design flow rate. A separate system was installed for treatment of the construction water as described in Section 4.8.2.

4.9.3 Excavation and *ex-situ* Biopile Construction

Contaminated soils were discovered further to the southwest than the design documents indicated. This increased volume resulted in construction of a larger 5th biopile than expected.

With NYSDEC approval, reject stone from the excavation screening operations was used in the construction of the Biopile 4 drainage layer in conjunction with the pea gravel specified in the contract documents. The reject stone was ¼" to 3" in size and was used to prevent increasing the amount of off-site material brought to the site.

Biopile 5 was constructed in the location of biopiles 1 and 2 after biopiles 1 and 2 were backfilled into the excavation. The existing drainage layers of Biopiles 1 and 2 were used for the drainage layer of Biopile 5. The 20' section between the two drainage layers was elevated with screened soils as a sand base with a 40 mil liner to direct water collected in Biopile 5 to either of the drainage layers.

The geogrid material originally specified in the contract documents was omitted by FDGTI as it was deemed by them that the soil encountered on-site was adequately stable for the construct the piles. If used, it would have been necessary to dispose of the geogrid material off-site prior to backfilling. Since the sandy silt soil encountered was stable enough for construction of the eight to ten foot high piles, the geogrid would have resulted in an unnecessary increase of waste material.

The soil pile cover material was originally specified as 40-mil low density polyethylene. The cover material was changed to a lighter weight polyethylene/nylon material to



improve access to the piles, speed up construction time of the piles, and to reduce the amount of waste material at the completion of the project.

The addition of quicklime to soils resulted in an increase to soil pH (11-12 SU). In order to bring the pH back into a neutral range (6-8), sodium bicarbonate was added prior to backfilling. The soil was mixed with approximately 7% by weight sodium bicarbonate using an excavator and front-end loaders. The sodium bicarbonate was successful in bringing the pH down to within the neutral range.

4.9.4 Operation During Biopile Remediation

A second blower system was installed at the site to utilizing warm air to maintain and/or reduce soil moisture content in an effort to enhance the removal of VOC / SVOC's from within the biopiles. The second system was installed and the warm air was introduced in January 1998. FDGTI's request for the modification and the NYSDEC's approval letter is included in Appendix D.

During operation of the biopiles field measurements of pH, moisture content, temperature, air flow along with analytical results from sampling events were used to gauge remedial activity and progress of the biopile soils.

4.10 Community Interaction

Throughout the course of the project, the NYSDEC kept the public informed using an initial informational public meeting and the released of periodic "Fact Sheets". The fact sheets were mailed to local residents throughout the project. Each mailing provided an update on activities at the site and contact names and phone numbers for any complaints and/or concerns.

An initial public meeting took place in April 1996 and was attended by representatives from the NYSDEC, SMC, FDGTI, OBG, local residents and the media.

The residence informed the NYSDEC of odors in areas adjacent to the Maestri Site. The NYSDEC issued a letter dated August 7th 1996 responding to the residence information and noted that the fence line monitoring at the site has not shown levels above the



established corrective action levels. Additional measured were instituted in an effort to control potential vapors from the environmental containment building.

A public meeting took place in December 1996 when excavation activities proceeded beyond the limits of the temporary environmental enclosure. A copy of the fact sheets and other community correspondence from the NYSDEC, GTI and SMC is included as Appendix E. No adverse offsite effects to the public were documented during the soil remediation phase of work covered by this construction certification report.



5.0 REFERENCES

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O'Brien & Gere Engineers, Inc., Stauffer Management Company, Maestri Site, Geddes, New York. Soil Remediation Project Construction Implementation Plan. O'Brien & Gere Engineers, Inc. January 12, 1996.

O'Brien & Gere Engineers, Inc., Stauffer Management Company, Maestri Site, Geddes, New York. Soil Remediation Project Sampling, Analysis and Monitoring Plan. O'Brien & Gere Engineers, Inc. January 12, 1996.



Table 1
Remedial Action Objectives
Maestri Site
Geddes, New York

Parameter	Soil Clean-up Objective (mg/kg, dry weight)	Ground water clean-up level (ug/l)
Volatile organic compounds (VOCs)		
*benzene	0.06	5
ethylbenzene	5.5	5
*t-1,2-dichloroethylene	0.3	5
tetrachloroethylene	1.4	5
toluene	1.5	5
xylene	1.2	5
Total VOCs	10	100
Semi-volatile organic compounds (SVOCs)		
benzoic acid	2.7	5
2,4-dimethylphenol	none established	none established
2-methylphenol	0.1	50
*4-methylphenol	0.9	50
Total SVOCs	500	none established

Table Source:
Table 1 Sampling Analysis Plan
OBG January 12, 1996

* Compounds not listed in March 1995 Record of Decision

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP01-0A 19-Jun-96 111367	MSP01-0B 19-Jun-96 111368	MSP01-0C 19-Jun-96 111369	MSP01-0D 19-Jun-96 111370	MSP02-0A 20-Jun-96 111534	MSP02-0B 20-Jun-96 111535	MSP02-0C 20-Jun-96 111536	M2P02-0D 20-Jun-96 111537	MSP02-1A 18-Jul-96 113853	MSP02-1B 18-Jul-96 113854	MSP03-0A 20-Jun-96 111538	MSP03-0B 20-Jun-96 111539	MSP03-0C 20-Jun-96 111540	MSP03-0D 20-Jun-96 111541	MSP03-1A 12-Jul-96 113296
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN															
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8	0.24	ND	0.2	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN															
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	0.12	ND	ND	ND
TOTAL XYLENES	ND	ND	ND	ND	ND	0.96	1.4	ND	0.98	0.4	378	38	ND	35	1.4

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP03-1B 12-Jul-96 113297	MSP03-2A 16-Jul-96 113664	MSP03-2B 16-Jul-96 113665	MSP04-0A 21-Jun-96 111629	MSP04-0B 21-Jun-96 111630	MSP04-0C 21-Jun-96 111631	MSP04-0D 21-Jun-96 111632	MSP05-0A 21-Jun-96 111633	MSP05-0B 21-Jun-96 111634	MSP05-0C 21-Jun-96 111635	MSP05-0D 21-Jun-96 111636	MSP05-1A 16-Jul-96 113694	MSP05-1B 16-Jul-96 113695	MSP06-1A 25-Jun-96 111954	MSP06-1B 25-Jun-96 111955
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN															
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN															
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	1.1	1	0.7	0.48	0.57	0.37	0.4	1.6	1.7	6.8	2.6	0.97	0.96	6.5	11

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP06-2A 27-Jun-96 112184	MSP06-2B 27-Jun-96 112185	MSP06-3A 9-Jul-96 113053	MSP06-3B 9-Jul-96 113054	MSP07-1A 26-Jun-96 112017	MSP07-1B 26-Jun-96 112018	MSP07-2A 1-Jul-96 112485	MSP07-2B 1-Jul-96 112486	MSP08-1A 26-Jun-96 112019	MSP08-1B 26-Jun-96 112020	MSP08-2A 1-Jul-96 112487	MSP08-2B 1-Jul-96 112488	MSP09-2A 12-Jul-96 113294	MSP09-2B 12-Jul-96 113295	MSP09-3A 16-Jul-96 113696
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN															
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN															
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	1.7	5.5	ND	ND	6	9.6	ND	ND	4.5	5.8	0.37	ND	7	14	6

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP09-3B 16-Jul-96 113697	MSP09-4A 25-Jul-96 114420	MSP09-4B 25-Jul-96 114421	MSP09-5A 30-Jul-96 114750	MSP09-5B 30-Jul-96 114751	MSP10-1A 8-Jul-96 113057	MSP10-1B 8-Jul-96 113058	MSP10-2A 10-Jul-96 113151	MSP10-2B 10-Jul-96 113152	MSP10-2C 10-Jul-96 113153	MSP10-3A 15-Jul-96 113503	MSP10-3B 15-Jul-96 113504	MSP10-4A 18-Jul-96 113998	MSP10-4B 18-Jul-96 113999	MSP10-5A 29-Jul-96 114573
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN															
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN															
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	7.3	14	4.9	4.1	4.1	21.5	43.1	14	3.6	4.3	1.2	1.9	1.8	1.7	1.4

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP10-5B 29-Jul-96 114574	MSP10-6A 5-Aug-96 115065	MSP10-6B 5-Aug-96 115066	MSP11-0A 8-Jul-96 113055	MSP11-0B 8-Jul-96 113056	MSP11-1A 10-Jul-96 113154	MSP11-1B 10-Jul-96 113155	MSP11-2A 19-Jul-96 114000	MSP11-2B 19-Jul-96 114001	MSP11-3A 25-Jul-96 114422	MSP11-3B 25-Jul-96 114423	MSP11-4A 29-Jul-96 114571	MSP11-4B 29-Jul-96 114572	MSP11-5A 2-Aug-96 114958	MSP11-5B 2-Aug-96 114959
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN															
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN															
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	1.1	0.5	0.6	54	11	25	21	5.4	3.6	2.4	3.6	2.7	4.8	1.8	2.6

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP11-6A 6-Aug-96 115196	MSP11-6B 6-Aug-96 115197	MSP12-1A 15-Jul-96 113505	MSP12-1B 15-Jul-96 113506	MSP12-2A 18-Jul-96 113855	MSP12-2B 18-Jul-96 113856	MSP12-3A 23-Jul-96 114198	MSP12-3B 23-Jul-96 114199	MSP12-4A 25-Jul-96 114424	MSP12-4B 25-Jul-96 114425	MSP13-1A 15-Jul-96 113507	MSP13-1B 15-Jul-96 113508	MSP13-1C 15-Jul-96 113509	MSP13-2A 22-Jul-96 114120	MSP13-2B 22-Jul-96 114121
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN															
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN															
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	1.9	1.5	8	9.5	4.3	5.6	1.5	2.5	1	1.2	12	33	28	3.2	3.6

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP13-3A 25-Jul-96 114426	MSP13-3B 25-Jul-96 114427	MSP13-4A 30-Jul-96 114752	MSP13-4B 30-Jul-96 114753	MSP14-1A 24-Jul-96 114283	MSP14-1B 24-Jul-96 114284	MSP14-1C 24-Jul-96 114285	MSP14-2A 25-Jul-96 114463	MSP14-2B 25-Jul-96 114464	MSP14-3A 30-Jul-96 114754	MSP14-3B 30-Jul-96 114755	MSP14-3C 30-Jul-96 114756	MSP14-4A 2-Aug-96 114956	MSP14-4B 2-Aug-96 114957	MSP14-5A 7-Aug-96 115408
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN															
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	0.23	0.26	0.14	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN															
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	8.1	13.7	2.8	1.8	640	600	440	278	270	107	71	87	19.1	29	9.6

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP14-5B 7-Aug-96 115409	MSP14-6A 8-Aug-96 115418	MSP14-6B 8-Aug-96 115419	MSP15-1A 23-Jul-96 114200	MSP15-1B 23-Jul-96 114201	MSP15-2A 25-Jul-96 114428	MSP15-2B 25-Jul-96 114429	MSP15-3A 30-Jul-96 114692	MSP15-3B 30-Jul-96 114693	MSP15-4A 2-Aug-96 114962	MSP15-4B 2-Aug-96 114963	MSP16-1A 29-Jul-96 114575	MSP16-1B 29-Jul-96 114576	MSP16-2A 30-Jul-96 114690	MSP16-2B 30-Jul-96 114691
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN															
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN															
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	12.7	3.8	2.1	72	36	23	24	13.6	8.6	3.4	2.5	47	33	11.8	11.9

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP16-3A 2-Aug-96 114960	MSP16-3B 2-Aug-96 114961	MSP17-1A 13-Aug-96 115626	MSP17-1B 13-Aug-96 115627	MSP17-2A 14-Aug-96 115761	MSP17-2B 14-Aug-96 115762	MSP18-0A 14-Aug-96 115759	MSP18-0B 14-Aug-96 115760	MSP18-1A 15-Aug-96 115992	MSP18-1B 15-Aug-96 115993	MSP18-2A 16-Aug-96 116044	MSP18-2B 16-Aug-96 116045	MSP20-0A 30-Aug-96 116845	MSP20-0B 30-Aug-96 116846	FLOOR PILE 28-Aug-96 116738	MSPRP-1A 15-Jul-96 113692	MSPRP-1B 15-Jul-96 113693
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN																	
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN																	
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	0.58	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4	0.29	ND	ND	ND
TOTAL XYLENES	3.7	2.3	6.6	29	8.7	12	11	4.8	30	18.5	13	12	3900	135	4.6	0.55	1.1

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP01-0A 19-Jun-96 111371 mg/kg Dry	MSP01-0B 19-Jun-96 111372 mg/kg Dry	MSP01-0C 19-Jun-96 111373 mg/kg Dry	MSP01-0D 19-Jun-96 111374 mg/kg Dry	MSP02-0A 20-Jun-96 111534 mg/kg Dry	MSP02-0B 20-Jun-96 111535 mg/kg Dry	MSP02-0C 20-Jun-96 111536 mg/kg Dry	M2P02-0D 20-Jun-96 111537 mg/kg Dry	MSP02-1A 18-Jul-96 113929 mg/kg Dry	MSP02-1B 18-Jul-96 113930 mg/kg Dry	MSP03-0A 20-Jun-96 111538 mg/kg Dry	MSP03-0B 20-Jun-96 111539 mg/kg Dry	MSP03-0C 20-Jun-96 111540 mg/kg Dry	MSP03-0D 20-Jun-96 111541 mg/kg Dry	MSP03-2A 16-Jul-96 113759 mg/kg Dry
EPA 8270 BASE NEUTRALS															
ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.054
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17
BENZO (K) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	0.3	0.3	0.3	ND	ND	ND	0.33	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (S-ETHYLHEXYL) PHTHALATE	0.38	0.33	ND	ND	ND	0.36	ND	0.43	ND	ND	ND	ND	ND	0.34	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	0.31	0.3	0.6	0.32	ND	0.65	1.4	0.4	ND	ND	0.79	0.93	1.4	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3, 3' -DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	0.3	ND	ND	ND	ND	ND	0.49	ND	ND	ND	0.49	ND	ND	ND	0.5
FLUORENE	ND	ND	ND	ND	ND	ND	0.36	ND	ND	ND	ND	0.46	0.46	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37	ND	ND	ND	0.088
PYRENE	0.33	ND	ND	ND	ND	ND	0.45	ND	ND	ND	0.69	ND	ND	ND	0.037
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP03-2B 16-Jul-96 113760 mg/kg Dry	MSP04-0A 21-Jun-96 111629 mg/kg Dry	MSP04-0B 21-Jun-96 111630 mg/kg Dry	MSP04-0C 21-Jun-96 111631 mg/kg Dry	MSP04-0D 21-Jun-96 111632 mg/kg Dry	MSP05-0A 21-Jun-96 111633 mg/kg Dry	MSP05-0B 21-Jun-96 111634 mg/kg Dry	MSP05-1A 16-Jul-96 113927 mg/kg Dry	MSP05-1B 16-Jul-96 113928 mg/kg Dry	MSP06-3A 9-Jul-96 113064 mg/kg Dry	MSP06-3B 9-Jul-96 113065 mg/kg Dry	MSP07-2A 1-Jul-96 112587 mg/kg Dry	MSP07-2B 1-Jul-96 112588 mg/kg Dry	MSP08-2A 1-Jul-96 112589 mg/kg Dry	MSP08-2B 1-Jul-96 112590 mg/kg Dry
EPA 8270 BASE NEUTRALS															
ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	0.41	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (S-ETHYLHEXYL) PHTHALATE	ND	0.5	ND	ND	0.56	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	ND	1.1	0.52	1.7	1.8	1.3	1	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3, 3' -DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE	ND	ND	ND	0.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP09-5A 30-Jul-96 114758 mg/kg Dry	MSP09-5B 30-Jul-96 114759 mg/kg Dry	MSP10-1A 8-Jul-96 113062 mg/kg Dry	MSP10-1B 8-Jul-96 113063 mg/kg Dry	MSP11-0A 8-Jul-96 113060 mg/kg Dry	MSP11-0B 8-Jul-96 113061 mg/kg Dry	MSP11-5A 2-Aug-96 114967 mg/kg Dry	MSP11-5B 2-Aug-96 114968 mg/kg Dry	MSP12-4A 25-Jul-96 114497 mg/kg Dry	MSP12-4B 25-Jul-96 114498 mg/kg Dry	MSP13-4A 30-Jul-96 114760 mg/kg Dry	MSP13-4B 30-Jul-96 114761 mg/kg Dry	MSP14-3A 30-Jul-96 114762 mg/kg Dry	MSP14-3B 30-Jul-96 114763 mg/kg Dry	MSP14-3C 30-Jul-96 114764 mg/kg Dry
EPA 8270 BASE NEUTRALS															
ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (S-ETHYLHEXYL) PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3, 3' -DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP14-4A 2-Aug-96 114965 mg/kg Dry	MSP14-4B 2-Aug-96 114966 mg/kg Dry	MSP14-5A 7-Aug-96 115411 mg/kg Dry	MSP14-5B 7-Aug-96 115412 mg/kg Dry	MSP14-6A 8-Aug-96 115421 mg/kg Dry	MSP14-6B 8-Aug-96 115422 mg/kg Dry	MSP15-3A 30-Jul-96 114692 mg/kg Dry	MSP15-3B 30-Jul-96 114693 mg/kg Dry	MSP15-4A 2-Aug-96 114971 mg/kg Dry	MSP15-4B 2-Aug-96 114972 mg/kg Dry	MSP16-2A 30-Jul-96 114690 mg/kg Dry	MSP16-2B 30-Jul-96 114691 mg/kg Dry	MSP16-3A 2-Aug-96 114969 mg/kg Dry	MSP16-3B 2-Aug-96 114970 mg/kg Dry	MSP17-1A 13-Aug-96 115629 mg/kg Dry
EPA 8270 BASE NEUTRALS															
ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (S-ETHYLHEXYL) PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3, 3' -DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE	ND	0.12	0.14	0.4	0.12	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	0.13	0.18	0.19	0.14	0.13	0.11	0.082	ND	ND	ND	ND	ND	ND	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP17-1B 13-Aug-96 115630 mg/kg Dry	MSP17-2A 14-Aug-96 115766 mg/kg Dry	MSP17-2B 14-Aug-96 115767 mg/kg Dry	MSP18-0A 14-Aug-96 115764 mg/kg Dry	MSP18-0B 14-Aug-96 115765 mg/kg Dry	MSP18-2A 16-Aug-96 116047 mg/kg Dry	MSP18-2B 16-Aug-96 116048 mg/kg Dry	MSP20-0A 30-Aug-96 116848 mg/kg Dry	MSP20-0B 30-Aug-96 116849 mg/kg Dry	FLOOR PILE 28-Aug-96 116744 mg/kg Dry	FLOOR PILE 28-Aug-96 116738 mg/kg Dry	MSPRP-1A 15-Jul-96 113925 mg/kg Dry	MSPRP-1B 19-Aug-97 113926 mg/kg Dry
EPA 8270 BASE NEUTRALS													
ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.073
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.068
BENZO (K) FLORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.06
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BIS (S-ETHYLHEXYL) PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.086
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
3, 3' -DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.17
FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	NA	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	0.14	ND	NA	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13	NA	ND	0.098
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP01-0A 19-Jun-96 111371	MSP01-0B 19-Jun-96 111372	MSP01-0C 19-Jun-96 111373	MSP01-0D 19-Jun-96 111374	MSP02-0A 20-Jun-96 111534	MSP02-0B 20-Jun-96 111535	MSP02-0C 20-Jun-96 111536	M2P02-0D 20-Jun-96 111537	MSP02-1A 18-Jul-96 113929	MSP02-1B 18-Jul-96 113930	MSP03-0A 20-Jun-96 111538	MSP03-0B 20-Jun-96 111539	MSP03-0C 20-Jun-96 111540	MSP03-0D 20-Jun-96 111541	MSP03-2A 16-Jul-96 113759
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8270 ACIDS															
PHENOL	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	ND	0.3	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	0.27	ND	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9	ND	ND	ND	ND
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	0.82	1.9	0.53	0.76	ND	0.64	0.83	1	ND	ND	1.4	0.87	ND	0.89	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP03-2B 16-Jul-96 113760	MSP04-0A 21-Jun-96 111629	MSP04-0B 21-Jun-96 111630	MSP04-0C 21-Jun-96 111631	MSP04-0D 21-Jun-96 111632	MSP05-0A 21-Jun-96 111633	MSP05-0B 21-Jun-96 111634	MSP05-1A 16-Jul-96 113927	MSP05-1B 16-Jul-96 113928	MSP06-3A 9-Jul-96 113064	MSP06-3B 9-Jul-96 113065	MSP07-2A 1-Jul-96 112587	MSP07-2B 1-Jul-96 112588	MSP08-2A 1-Jul-96 112589	MSP08-2B 1-Jul-96 112590
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8270 ACIDS															
PHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL	ND	0.62	ND	ND	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	1.9	1	1.5	2.2	1.4	1.6	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP09-5A 30-Jul-96 114758 mg/kg Dry	MSP09-5B 30-Jul-96 114759 mg/kg Dry	MSP10-1A 8-Jul-96 113062 mg/kg Dry	MSP10-1B 8-Jul-96 113063 mg/kg Dry	MSP11-0A 8-Jul-96 113060 mg/kg Dry	MSP11-0B 8-Jul-96 113061 mg/kg Dry	MSP11-5A 2-Aug-96 114967 mg/kg Dry	MSP11-5B 2-Aug-96 114968 mg/kg Dry	MSP12-4A 25-Jul-96 114497 mg/kg Dry	MSP12-4B 25-Jul-96 114498 mg/kg Dry	MSP13-4A 30-Jul-96 114760 mg/kg Dry	MSP13-4B 30-Jul-96 114761 mg/kg Dry	MSP14-3A 30-Jul-96 114762 mg/kg Dry	MSP14-3B 30-Jul-96 114763 mg/kg Dry	MSP14-3C 30-Jul-96 114764 mg/kg Dry
EPA 8270 ACIDS															
PHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	0.63	0.52	ND	ND	ND	ND	1.1	0.36	0.67	ND	1	0.9	2.8	2.4	2.9
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP14-4A 2-Aug-96 114965 mg/kg Dry	MSP14-4B 2-Aug-96 114966 mg/kg Dry	MSP14-5A 7-Aug-96 115411 mg/kg Dry	MSP14-5B 7-Aug-96 115412 mg/kg Dry	MSP14-6A 8-Aug-96 115421 mg/kg Dry	MSP14-6B 8-Aug-96 115422 mg/kg Dry	MSP15-3A 30-Jul-96 114692 mg/kg Dry	MSP15-3B 30-Jul-96 114693 mg/kg Dry	MSP15-4A 2-Aug-96 114971 mg/kg Dry	MSP15-4B 2-Aug-96 114972 mg/kg Dry	MSP16-2A 30-Jul-96 114690 mg/kg Dry	MSP16-2B 30-Jul-96 114691 mg/kg Dry	MSP16-3A 2-Aug-96 114969 mg/kg Dry	MSP16-3B 2-Aug-96 114970 mg/kg Dry	MSP17-1A 13-Aug-96 115629 mg/kg Dry
EPA 8270 ACIDS															
PHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	1.3	1.7	1.6	1.5	1.7	1.1	1.3	1.2	0.88	2.4	0.78	0.72	0.7	0.78	1.3
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
During Construction Stockpiles
Table 2

Sample ID Date Sample Number	MSP17-1B 13-Aug-96 115630 mg/kg Dry	MSP17-2A 14-Aug-96 115766 mg/kg Dry	MSP17-2B 14-Aug-96 115767 mg/kg Dry	MSP18-0A 14-Aug-96 115764 mg/kg Dry	MSP18-0B 14-Aug-96 115765 mg/kg Dry	MSP18-2A 16-Aug-96 116047 mg/kg Dry	MSP18-2B 16-Aug-96 116048 mg/kg Dry	MSP20-0A 30-Aug-96 116848 mg/kg Dry	MSP20-0B 30-Aug-96 116849 mg/kg Dry	FLOOR PILE 28-Aug-96 116744 mg/kg Dry	FLOOR PILE 28-Aug-96 116738 mg/kg Dry	MSPRP-1A 15-Jul-96 113925 mg/kg Dry	MSPRP-1B 19-Aug-97 113926 mg/kg Dry
EPA 8270 ACIDS													
PHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
O-CRESOL (2-METHYLPHENOL)	0.43	0.8	0.66	ND	0.36	0.7	0.86	ND	0.52	0.85	NA	0.27	ND
P-CRESOL (4-METHYLPHENOL)	ND	0.37	ND	ND	ND	0.34	0.31	ND	ND	0.37	NA	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	8.8	1.3	0.38	NA	ND	ND
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	48	1.9	ND	NA	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND

ND Not detected
Sample ID code: MS = Maestri Site
P06 = Stock Pile 6
1A = 1st sample round,
top half of pile
1B = 1st sample round,
bottom half of pile
2A = 2nd sample round,
top half of pile
2B = 2nd sample round,
bottom half of pile

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE # 1 and 2

Sample ID Date Sample Number	BP1-A5 31-Jan-97 mg/kg Dry	BP1-B1 31-Jan-97 mg/kg Dry	BP1-C3 31-Jan-97 mg/kg Dry	BP1-D2 31-Jan-97 mg/kg Dry	BP1-E4 31-Jan-97 mg/kg Dry	BP2-A4 3-Feb-97 mg/kg Dry	BP2-B5 3-Feb-97 mg/kg Dry	BP2-C1 3-Feb-97 mg/kg Dry	BP2-D3 3-Feb-97 mg/kg Dry	BP2-E2 3-Feb-97 mg/kg Dry
PERCENT SOLIDS	91	90	90	90	91	89	89	90	91	91
EPA 8010 SCAN										
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 1, 1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1, 3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1, 3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2- CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 1, 2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 1, 2, 2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA 8020 SCAN										
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	0.15	0.18	0.16	0.19	0.62	0.3	0.32	0.44	3.7/0.5	1.2
TOTAL VOCs	0.15	0.18	0.16	0.19	0.62	0.3	0.32	0.44	3.7/0.5	1.2

Split sample results 3.7/0.5 (SMC / NYSDEC)

Results previously submitted to NYSDEC

NA Not analyzed / Not available at time of generating report

ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #3

Sample ID Date Sample Number	BP3-1 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-2 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-3 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-4 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-5 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-6 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-7 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-8 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-9 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-10 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-11 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-12 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-13 4-Aug-97 18-Aug-97 mg/kg Dry
PERCENT SOLIDS													
EPA 8010 SCAN													
DICHLORODIFLOUROMETHANE													
CHLOROMETHANE													
VINYL CHLORIDE													
BROMOMETHANE													
CHLOROETHANE													
TRICHLOROFLUOROMETHANE													
1, 1-DICHLOROETHENE													
METHYLENE CHLORIDE													
TRANS-1, 2-DICHLOROETHENE													
1, 1-DICHLOROETHANE													
CHLOROFORM													
1, 1, 1-TRICHLOROETHANE													
CARBON TETRACHLORIDE													
1, 2-DICHLOROETHANE													
TRICHLOROETHENE	1.4	<2.8	<0.28	<0.28	<0.28	<0.28	<0.28	<1.4	<1.4	<1.4	<0.006	<1.4	<0.006
1, 2-DICHLOROPROPANE													
BROMODICHLOROMETHANE													
CIS-1, 3-DICHLOROPROPENE													
TRANS-1, 3-DICHLOROPROPENE													
2- CHLOROETHYL VINYL ETHER													
1, 1, 2-TRICHLOROETHANE													
TETRACHLOROETHENE													
DIBROMOCHLOROMETHANE													
CHLOROBENZENE													
BROMOFORM													
1, 1, 2, 2-TRICHLOROETHANE													
1, 3-DICHLOROBENZENE													
1, 4-DICHLOROBENZENE													
1, 2-DICHLOROBENZENE													
EPA 8020 SCAN													
BENZENE													
TOLUENE													
ETHYLBENZENE													
TOTAL XYLENES	6.8	31	12	6.7	6.3	5	3	12	10	23	0.049	14	0.2
TOTAL VOCs	8.2	<33.8	<12.28	<6.98	<6.58	<5.28	<3.28	<13.4	<11.4	<24.4	<0.055	<15.4	<0.206

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #3

Sample ID Date Sample Number	BP3-14 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-15 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-16 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-17 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-18 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-19 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-20 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-21 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-22 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-23 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-24 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-25 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-26 4-Aug-97 18-Aug-97 mg/kg Dry
PERCENT SOLIDS													
EPA 8010 SCAN													
DICHLORODIFLOUROMETHANE													
CHLOROMETHANE													
VINYL CHLORIDE													
BROMOMETHANE													
CHLOROETHANE													
TRICHLOROFLUOROMETHANE													
1, 1-DICHLOROETHENE													
METHYLENE CHLORIDE													
TRANS-1, 2-DICHLOROETHENE													
1, 1-DICHLOROETHANE													
CHLOROFORM													
1, 1, 1-TRICHLOROETHANE													
CARBON TETRACHLORIDE													
1, 2-DICHLOROETHANE													
TRICHLOROETHENE	<1.4	<1.4	<1.4	<0.006	<0.006	<0.006	<0.29	1.4	<0.006	<0.28	<0.006	<0.006	<0.012
1, 2-DICHLOROPROPANE													
BROMODICHLOROMETHANE													
CIS-1, 3-DICHLOROPROPENE													
TRANS-1, 3-DICHLOROPROPENE													
2- CHLOROETHYL VINYL ETHER													
1, 1, 2-TRICHLOROETHANE													
TETRACHLOROETHENE													
DIBROMOCHLOROMETHANE													
CHLOROBENZENE													
BROMOFORM													
1, 1, 2, 2-TRICHLOROETHANE													
1, 3-DICHLOROBENZENE													
1, 4-DICHLOROBENZENE													
1, 2-DICHLOROBENZENE													
EPA 8020 SCAN													
BENZENE													
TOLUENE													
ETHYLBENZENE													
TOTAL XYLENES	11	17	7.1	0.083	0.93	0.042	3.1	<0.017	1.9	<0.015	<0.017	0.38	0.098
TOTAL VOCs	<12.4	<18.4	<8.5	<0.089	<0.936	<0.048	<3.39	<0.018	<1.906	<0.295	<0.023	<0.386	<0.110

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

**Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #3**

Sample ID Date Sample Number	BP3-27 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-28 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-A 27-Apr-98 159321 mg/kg Dry	BP3-B 27-Apr-98 159322 mg/kg Dry	BP3-A2 20-Aug-98 170544 mg/kg Dry	BP3-B2 20-Aug-98 170545 mg/kg Dry	BP3-1A 28-Sep-98 J7108 mg/kg Dry	BP3-2A 28-Sep-98 J7109 mg/kg Dry	BP3-3A 28-Sep-98 J7110 mg/kg Dry	BP3-4A 28-Sep-98 J7111 mg/kg Dry	BP3-5A 28-Sep-98 J7112 mg/kg Dry
PERCENT SOLIDS			90	89	91	89	88.5	88.6	89..1	88.7	90.4
EPA 8010 SCAN											
DICHLORODIFLOUROMETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE			ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE			ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM			ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE			ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	<0.006	<0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
2- CHLOROETHYL VINYL ETHER			ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM			ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE			ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN											
BENZENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE			ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	<0.017	<0.018	4.4	67	39	0.85	0.03	3	5	1.2	15
TOTAL VOCs	<0.023	<0.024	4.4	67	39	0.85	0.03	3	5	1.2	15

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

**Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #3**

Sample ID Date Sample Number	BP3-5A 28-Sep-98 J7155	BP3-6A 28-Sep-98 J7113	BP3-7A 28-Sep-98 J7114	BP3-8A 28-Sep-98 J7115	BP3-9A 28-Sep-98 J7116	BP3-10A 28-Sep-98 J7117	BP3-11A 28-Sep-98 J7118	BP3-12A 28-Sep-98 J7119	BP3-13A 28-Sep-98 J7120	BP3-14A 28-Sep-98 J7121	BP3-15A 28-Sep-98 J7122	BP3-16A 28-Sep-98 J7123
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
PERCENT SOLIDS	89.6	91.2	90.6	87.4	88.3	86	88.3	88	89.4	89.7	88.8	87.6
EPA 8010 SCAN												
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2- CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN												
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	ND	12	5.2	22	0.13	9.33	1.7	ND	0.3	ND	0.018	ND
TOTAL VOCs	ND	12	5.2	22	0.13	9.33	1.7	ND	1.3	ND	1.018	ND

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

**Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #3**

Sample ID Date Sample Number	BP3-17A 28-Sep-98 J7124	BP3-18A 28-Sep-98 J7125	BP3-1 15-Jun-99 191687	BP3-2 15-Jun-99 191688	BP3-3 15-Jun-99 191689	BP3-4 15-Jun-99 191690	BP3-5 15-Jun-99 191691	BP3-6 15-Jun-99 191692	BP3-7 15-Jun-99 191693	BP3-8 15-Jun-99 191694	BP3-9 15-Jun-99 191695	BP3-10 15-Jun-99 191696	BP3-11 15-Jun-99 191697
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
PERCENT SOLIDS	86.4	89.3	88	89	89	89	90	89	91	89	90	91	90
EPA 8010 SCAN													
DICHLORODIFLOUROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2- CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN													
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	0.009	ND	2.6	0.74	2.8	4.5	8	7.6	ND	0.35	3.9	3.8	ND
TOTAL VOCs	1.009	ND	2.6	0.74	2.8	4.5	8	7.6	ND	0.35	3.9	3.8	ND

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #3

Sample ID Date Sample Number	BP3-12 15-Jun-99 191698 mg/kg Dry	BP3-13 15-Jun-99 191699 mg/kg Dry	BP3-14 15-Jun-99 191700 mg/kg Dry	BP3-15 15-Jun-99 191701 mg/kg Dry	BP3-16 15-Jun-99 191702 mg/kg Dry	BP3-1A 28-Jul-99 194903 mg/kg Dry	BP3-2A 28-Jul-99 194904 mg/kg Dry	BP3-3A 28-Jul-99 194905 mg/kg Dry	BP3-4A 28-Jul-99 194906 mg/kg Dry	BP3-9A 20-Jul-99 194105 mg/kg Dry	BP3-9B 28-Jul-99 194907 mg/kg Dry	BP3-10A 20-Jul-99 194106 mg/kg Dry	BP3-10B 28-Jul-99 194908 mg/kg Dry
PERCENT SOLIDS	88	89	90	90	90	91	97	93	91	91	92	90	92
EPA 8010 SCAN													
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
2- CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
EPA 8020 SCAN													
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	0.58	ND	0.36	0.27	ND	1.6	1.4	ND	ND	2.8	ND	6.6	ND
TOTAL VOCs	1.58	ND	0.36	0.27	ND	1.6	1.4	ND	ND	3.8	ND	7.6	ND

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #4

Sample ID Date Sample Number	BP4-1 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-2 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-3 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-4 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-5 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-6 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-7 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-8 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-9 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-A 27-Apr-98 159323 mg/kg Dry	BP4-B 27-Apr-98 159324 mg/kg Dry	BP4-A2 20-Aug-98 170546 mg/kg Dry
PERCENT SOLIDS										87	86	89
EPA 8010 SCAN												
DICHLORODIFLUOROMETHANE										ND	ND	ND
CHLOROMETHANE										ND	ND	ND
VINYL CHLORIDE										ND	ND	ND
BROMOMETHANE										ND	ND	ND
CHLOROETHANE										ND	ND	ND
TRICHLOROFLUOROMETHANE										ND	ND	ND
1, 1-DICHLOROETHENE										ND	ND	ND
METHYLENE CHLORIDE										ND	ND	ND
TRANS-1, 2-DICHLOROETHENE										ND	ND	ND
1, 1-DICHLOROETHANE										ND	ND	ND
CHLOROFORM										ND	ND	ND
1, 1, 1-TRICHLOROETHANE										ND	ND	ND
CARBON TETRACHLORIDE										ND	ND	ND
1, 2-DICHLOROETHANE										ND	ND	ND
TRICHLOROETHENE	<0.29	<0.23	<1.6	<0.006	<0.006	<0.3	<0.3	<0.3	<0.006	ND	ND	ND
1, 2-DICHLOROPROPANE										ND	ND	ND
BROMODICHLOROMETHANE										ND	ND	ND
CIS-1, 3-DICHLOROPROPENE										ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE										ND	ND	ND
2- CHLOROETHYL VINYL ETHER										ND	ND	ND
1, 1, 2-TRICHLOROETHANE										ND	ND	ND
TETRACHLOROETHENE										ND	ND	ND
DIBROMOCHLOROMETHANE										ND	ND	ND
CHLOROBENZENE										ND	ND	ND
BROMOFORM										ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE										ND	ND	ND
1, 3-DICHLOROBENZENE										ND	ND	ND
1, 4-DICHLOROBENZENE										ND	ND	ND
1, 2-DICHLOROBENZENE										ND	ND	ND
EPA 8020 SCAN												
BENZENE										ND	ND	ND
TOLUENE										ND	ND	ND
ETHYLBENZENE										ND	ND	ND
TOTAL XYLENES	8.1	34	3.6	0.053	0.16	5.6	9.1	11	0.009	1.7	2.9	31
TOTAL VOCs	<8.39	<34.23	<4.2	<0.059	<0.166	<5.9	<9.4	<11.3	<0.015	1.7	2.9	31

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #4

Sample ID Date Sample Number	BP4-B2 20-Aug-98 170547 mg/kg Dry	BP4-1A 29-Sep-98 J71126 mg/kg Dry	BP4-2A 29-Sep-98 J7127 mg/kg Dry	BP4-3A 29-Sep-98 J7128 mg/kg Dry	BP4-4A 29-Sep-98 J7129 mg/kg Dry	BP4-5A 29-Sep-98 J7130 mg/kg Dry	BP4-6A 29-Sep-98 J7131 mg/kg Dry	BP4-7A 29-Sep-98 J7132 mg/kg Dry	BP4-8A 29-Sep-98 J7133 mg/kg Dry	BP4-9A 29-Sep-98 J7134 mg/kg Dry
PERCENT SOLIDS	87	84.8	80.3	86.4	87.7	89.4	89.5	81	87.2	86.6
EPA 8010 SCAN										
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2- CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN										
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	2.1	ND	ND	ND	ND	ND	ND	ND	0.33	ND
TOTAL VOCs	2.1	ND	ND	ND	ND	ND	ND	ND	0.33	ND

Results previously submitted to NYSDEC

NA Not analyzed / Not available at time of generating report

ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #5

Sample ID Date Sample Number	BP5-1 4-Aug-97 18-Aug-97	BP5-2 4-Aug-97 18-Aug-97	BP5-3 4-Aug-97 18-Aug-97	BP5-4 4-Aug-97 18-Aug-97	BP5-5 4-Aug-97 18-Aug-97	BP5-6 4-Aug-97 18-Aug-97	BP5-7 4-Aug-97 18-Aug-97	BP5-8 4-Aug-97 18-Aug-97	BP5-9 4-Aug-97 18-Aug-97	BP5-10 4-Aug-97 18-Aug-97	BP5-11 4-Aug-97 18-Aug-97	BP5-12 4-Aug-97 18-Aug-97	BP5-13 4-Aug-97 18-Aug-97
PERCENT SOLIDS													
EPA 8010 SCAN													
DICHLORODIFLOUROMETHANE													
CHLOROMETHANE													
VINYL CHLORIDE													
BROMOMETHANE													
CHLOROETHANE													
TRICHLOROFLUOROMETHANE													
1, 1-DICHLOROETHENE													
METHYLENE CHLORIDE													
TRANS-1, 2-DICHLOROETHENE													
1, 1-DICHLOROETHANE													
CHLOROFORM													
1, 1, 1-TRICHLOROETHANE													
CARBON TETRACHLORIDE													
1, 2-DICHLOROETHANE													
TRICHLOROETHENE	<0.74	<0.72	<5.9	<0.72	<0.29	<0.006	<0.29	<0.006	<0.006	<0.006	<0.006	<0.29	<0.29
1, 2-DICHLOROPROPANE													
BROMODICHLOROMETHANE													
CIS-1, 3-DICHLOROPROPENE													
TRANS-1, 3-DICHLOROPROPENE													
2- CHLOROETHYL VINYL ETHER													
1, 1, 2-TRICHLOROETHANE													
TETRACHLOROETHENE													
DIBROMOCHLOROMETHANE													
CHLOROBENZENE													
BROMOFORM													
1, 1, 2, 2-TRICHLOROETHANE													
1, 3-DICHLOROBENZENE													
1, 4-DICHLOROBENZENE													
1, 2-DICHLOROBENZENE													
EPA 8020 SCAN													
BENZENE													
TOLUENE													
ETHYLBENZENE													
TOTAL XYLENES	3.7	24	160	6.5	3	1.1	4.5	0.19	0.078	1.5	0.1	18	3.1
TOTAL VOCs	<4.44	<24.72	<165.9	<7.22	<3.29	<1.106	<4.79	<0.196	<0.084	<1.506	<0.106	<18.29	<3.39

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #5

Sample ID Date Sample Number	BP5-14 4-Aug-97 18-Aug-97	BP5-15 4-Aug-97 18-Aug-97	BP5-16 4-Aug-97 18-Aug-97	BP5-17 4-Aug-97 18-Aug-97	BP5-18 4-Aug-97 18-Aug-97	BP5-A 27-Apr-98 159325 mg/kg Dry	BP5-B 27-Apr-98 159326 mg/kg Dry	BP5-A2 20-Aug-98 170548 mg/kg Dry	BP5-B2 20-Aug-98 170549 mg/kg Dry	BP5-1A 29-Sep-98 J7135 mg/kg Dry	BP5-2A 29-Sep-98 J7136 mg/kg Dry	BP5-3A 29-Sep-98 J7137 mg/kg Dry
PERCENT SOLIDS						86	88	87	87	85.4	89.1	86.2
EPA 8010 SCAN												
DICHLORODIFLOUROMETHANE						ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE						ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE						ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE						ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE						ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE						ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE						ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE						ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE						ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE						ND	ND	ND	ND	ND	ND	ND
CHLOROFORM						ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE						ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE						ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE						ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	<0.29	<0.3	<0.006	<0.006	<0.006	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE						ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE						ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE						ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE						ND	ND	ND	ND	ND	ND	ND
2- CHLOROETHYL VINYL ETHER						ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE						ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE						ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE						ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE						ND	ND	ND	ND	ND	ND	ND
BROMOFORM						ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE						ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE						ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE						ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE						ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN												
BENZENE						ND	ND	ND	ND	ND	ND	ND
TOLUENE						ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE						ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	3.6	2.2	0.5	0.028	1.1	44	18	67	0.29	0.81	12	22
TOTAL VOCs	<3.89	<2.5	<0.506	<0.034	<1.106	44	18	67	0.29	0.81	12	22

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #5

Sample ID Date Sample Number	BP5-4A 29-Sep-98 J7138 mg/kg Dry	BP5-5A 29-Sep-98 J7139 mg/kg Dry	BP5-6A 29-Sep-98 J7140 mg/kg Dry	BP5-7A 29-Sep-98 J7141 mg/kg Dry	BP5-8A 29-Sep-98 J7142 mg/kg Dry	BP5-9A 29-Sep-98 J7143 mg/kg Dry	BP5-10A 29-Sep-98 J7144 mg/kg Dry	BP5-11A 29-Sep-98 J7145 mg/kg Dry	BP5-12A 29-Sep-98 J7146 mg/kg Dry	BP5-13A 29-Sep-98 J7147 mg/kg Dry	BP5-14A 29-Sep-98 J7148 mg/kg Dry	BP5-15A 29-Sep-98 J7149 mg/kg Dry	BP5-16A 29-Sep-98 J7150 mg/kg Dry
PERCENT SOLIDS	88.7	83.3	84.2	85.1	83.8	81.5	87.4	85.1	87.1	86.3	86.6	84.1	81.7
EPA 8010 SCAN													
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN													
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	15	9500	ND	0.12	ND	ND	10	13	18	9.3	ND	0.023	0.18
TOTAL VOCs	15	9500	ND	1.12	ND	ND	10	13	18	9.3	ND	0.023	0.18

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #5

Sample ID Date Sample Number	BP5-17A 29-Sep-98 J7151 mg/kg Dry	BP5-18A 29-Sep-98 J7152 mg/kg Dry	BP5-10B 15-Jan-99 180979 mg/kg Dry	BP5-11B 15-Jan-99 180980 mg/kg Dry	BP5-12B 15-Jan-99 180981 mg/kg Dry	BP5-13B 15-Jan-99 180982 mg/kg Dry	BP5-1B 20-Jan-99 181342 mg/kg Dry	BP5-2B 20-Jan-99 181343 mg/kg Dry	BP5-3B 20-Jan-99 181344 mg/kg Dry	BP5-4B 20-Jan-99 181345 mg/kg Dry	BP5-5B 20-Jan-99 181346 mg/kg Dry	BP5-1 15-Jun-99 191710 mg/kg Dry	BP5-2 15-Jun-99 191711 mg/kg Dry
PERCENT SOLIDS	83.4	81	92	96	92	91	88	84	87	85	86	88	87
EPA 8010 SCAN													
DICHLORODIFLOUROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2- CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN													
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	0.34	ND	0.18	0.21	0.15	ND	0.87
TOTAL XYLENES	17	0.75	ND	ND	4.7	2	22	11	18	12	12	8.3	9.8
TOTAL VOCs	17	0.75	ND	ND	4.7	2	22	11	18	12	12	8.3	9.8

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 3
BIOPILE #5

Sample ID Date Sample Number	BP5-3 15-Jun-99 191712	BP5-4 15-Jun-99 191713	BP5-5 15-Jun-99 191714	BP5-6 15-Jun-99 191715	BP5-7 15-Jun-99 191716	BP5-8 15-Jun-99 191717	BP5-9 15-Jun-99 191718	BP5-1A 20-Jul-99 194101	BP5-2A 20-Jul-99 194102	BP5-3A 20-Jul-99 194103	BP5-4A 20-Jul-99 194104
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
PERCENT SOLIDS	88	87	86	86	86	86	88	89	90	89	90
EPA 8010 SCAN											
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
EPA 8020 SCAN											
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	5.6	12.8	0.41	ND	ND	ND	ND	1.8	2.3	0.27	0.33
TOTAL VOCs	5.6	12.8	0.41	ND	ND	ND	ND	1.8	2.3	0.27	0.33

Results previously submitted to NYSDEC

NA Not analyzed / Not available at time of generating report

ND Not detected

Maas,
Geddes, New York
SVOC SAMPLING RESULTS
Table 4
BIOPILES #1 and 2

Sample ID Date Sample Number	BP1-AC 31-Jan-97	BP1-BC 31-Jan-97	BP1-CC 31-Jan-97	BP1-DC 31-Jan-97	BP1-DCD 31-Jan-97	BP2-EC 31-Jan-97	BP2-AC 3-Feb-97	BP2-BC 3-Feb-97	BP2-CC 3-Feb-97
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
PERCENT SOLIDS	90	92	91	90	90	90	87	89	90
EPA 8270 BASE NEUTRALS									
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO (A) ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO (B) FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO (K) FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO (G,H,I) PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO (A) PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS (2-CHLOROETHOXY) METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS (2-CHLOROETHYL) ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS (2-CHLOROISOPROPYL) ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS (2-ETHYLHEXYL) PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOPHENYLPHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROPHENYLPHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO (A,H) ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3, 3' -DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2, 4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2, 6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO (1, 2, 3-CD) PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 2-DIPHENYLHYDRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1, 2, 4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA 8270 ACIDS									
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-CRESOL (2-METHYLPHENOL)	0.94	0.83	1	1.2	1.3	0.94	0.44	2.1	1.2
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	0.47	0.67	0.48	ND	1.8	0.93
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2, 4, 6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2, 4, 5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2, 4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYL-4, 6-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total SVOC	0.94	0.83	1	1.67	1.97	1.42	0.44	3.9	2.13

Results previously submitted to NYDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
Table 4
BIOPILE #3

Sample ID Date Sample Number	BP3-2 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-4 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-5 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-7 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-9 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-11 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-13 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-15 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-17 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-18 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-20 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-22 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-24 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-26 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-28 4-Aug-97 18-Aug-97 mg/kg Dry	BP3-3A 28-Sep-98 J7154 mg/kg Dry	BP3-5A 28-Sep-98 J7155 mg/kg Dry	BP3-6A 28-Sep-98 J7156 mg/kg Dry	BP3-8A 28-Sep-98 J7157 mg/kg Dry
PERCENT SOLIDS																89.8	89.6	90	88.6
EPA 8270 BASE NEUTRALS																			
ACENAPHTHENE																ND	ND	ND	ND
ACENAPHTHYLENE																ND	ND	ND	ND
ANTHRACENE																ND	ND	ND	ND
BENZO (A) ANTHRACENE																ND	ND	ND	ND
BENZO (B) FLUORANTHENE																ND	ND	ND	ND
BENZO (K) FLUORANTHENE																ND	ND	ND	ND
BENZO (G,H,I) PERYLENE																ND	ND	ND	ND
BENZO (A) PYRENE																ND	ND	ND	ND
BENZIDINE																ND	ND	ND	ND
BUTYL BENZYL PHTHALATE																ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE																ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER																ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER																ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE																ND	ND	ND	ND
BROMOPHENYLPHENYL ETHER																2.8	1.3	2.7	1.7
2-CHLORONAPHTHALENE																ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER																ND	ND	ND	ND
CHRYSENE																ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE																ND	ND	ND	ND
DI-N-BUTYL PHTHALATE																ND	ND	ND	ND
1,2-DICHLOROBENZENE																ND	ND	ND	ND
1,3-DICHLOROBENZENE																ND	ND	ND	ND
1,4-DICHLOROBENZENE																ND	ND	ND	ND
3,3'-DICHLOROBENZIDINE																ND	ND	ND	ND
DIETHYL PHTHALATE																ND	ND	ND	ND
DIMETHYL PHTHALATE																ND	ND	ND	ND
2,4-DINITROTOLUENE																ND	ND	ND	ND
2,6-DINITROTOLUENE																ND	ND	ND	ND
DI-N-OCTYL PHTHALATE																ND	ND	ND	ND
FLUORANTHENE																ND	ND	ND	ND
FLUORENE																ND	ND	ND	ND
HEXACHLOROBENZENE																ND	ND	ND	ND
HEXACHLOROBUTADIENE																ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE																ND	ND	ND	ND
HEXACHLOROETHANE																ND	ND	ND	ND
INDENO (1,2,3-CD) PYRENE																ND	ND	ND	ND
ISOPHORONE																ND	ND	ND	ND
NAPHTHALENE																ND	ND	ND	ND
NITROBENZENE																ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE																ND	ND	ND	ND
N-NITROSODIPHENYLAMINE																ND	ND	ND	ND
N-NITROSODIMETHYLAMINE																ND	ND	ND	ND
1,2-DIPHENYLHYDRAZINE																ND	ND	ND	ND
PHENANTHRENE																ND	ND	ND	ND
PYRENE																ND	ND	ND	ND
1,2,4-TRICHLOROBENZENE																ND	ND	ND	ND
EPA 8270 ACIDS																			
PHENOL																ND	ND	ND	ND
2-CHLOROPHENOL																ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	0.17	0.19	0.12	0.41	0.24	0.057	0.19	0.22	<0.38	<0.4	0.075	0.17	<0.38	0.073	0.42	J 0.052	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	0.17	0.13	0.095	0.14	0.072	0.071	0.085	0.19	<0.38	0.42	0.096	0.14	<0.38	0.49	0.19	ND	ND	ND	ND
2-NITROPHENOL																ND	ND	ND	ND
2,4-DIMETHYLPHENOL																ND	ND	ND	ND
2,4-DICHLOROPHENOL																ND	ND	ND	ND
BENZOIC ACID	0.32	0.28	0.35	0.51	0.45	0.096	0.59	0.62	<1.8	<1.9	0.19	0.37	<1.8	0.62	<1.8	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL																ND	ND	ND	ND
2,4,6-TRICHLOROPHENOL																ND	ND	ND	ND
2,4,5-TRICHLOROPHENOL																ND	ND	ND	ND
2,4-DINITROPHENOL																ND	ND	ND	ND
4-NITROPHENOL																ND	ND	ND	ND
2-METHYL-4,6-DINITROPHENOL																ND	ND	ND	ND
PENTACHLOROPHENOL																ND	ND	ND	ND
Total SVOC	0.828	0.75	0.765	1.9	1.4	0.61	1.5	1.5	0.21	0.96	1.3	2.2	0.41	2.6	0.85	2.8	1.3	2.7	1.7

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Meestri Site
Geddes, New York
SVOC SAMPLING RESULTS
Table 4
BIOWILE #3

Sample ID Date Sample Number	BP3-11A 28-Sep-98 J7158 mg/kg Dry	BP3-12A 28-Sep-98 J7159 mg/kg Dry	BP3-15A 28-Sep-98 J7160 mg/kg Dry	BP3-17A 28-Sep-98 J7161 mg/kg Dry	BP3-18A 28-Sep-98 J7162 mg/kg Dry	BP3-1 15-Jun-99 191703 mg/kg Dry	BP3-3 15-Jun-99 191704 mg/kg Dry	BP3-5 15-Jun-99 191705 mg/kg Dry	BP3-9 15-Jun-99 191706 mg/kg Dry	BP3-10 15-Jun-99 191707 mg/kg Dry	BP3-13 15-Jun-99 191708 mg/kg Dry	BP3-14 15-Jun-99 191709 mg/kg Dry
PERCENT SOLIDS	83.3	86.6	88.6	85.4	89.4	91	90	91	90	90	90	92
EPA 8270 BASE NEUTRALS												
ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE	2.2	2.1	0.71	0.9	1.2	ND	ND	ND	ND	ND	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1,2,3-CD) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8270 ACIDS												
PHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	J 0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4,6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOC	2.2	2.1	0.71	0.9	1.2	ND	ND	ND	ND	ND	ND	ND

Results previously submitted to NYSDC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maastricht Site
Gadde, New York
SVOC SAMPLING RESULTS
Table 4
BIOPILE #4

Sample ID Date Sample Number	BP4-1 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-3 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-5 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-7 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-9 4-Aug-97 18-Aug-97 mg/kg Dry	BP4-2A 20-Sep-98 J7163 mg/kg Dry	BP4-4A 20-Sep-98 J7164 mg/kg Dry	BP4-6A 20-Sep-98 J7165 mg/kg Dry	BP4-7A 20-Sep-98 J7166 mg/kg Dry	BP4-8A 20-Sep-98 J7167 mg/kg Dry
PERCENT SOLIDS						82.4	87.7	87.1	84.2	87
EPA 8270 BASE NEUTRALS										
ACENAPHTHENE						ND	ND	ND	ND	ND
ACENAPHTHYLENE						ND	ND	ND	ND	ND
ANTHRACENE						ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE						ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE						ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE						ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE						ND	ND	ND	ND	ND
BENZO (A) PYRENE						ND	ND	ND	ND	ND
BENZIDINE						ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE						ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE						ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER						ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER						ND	ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE						1.9	0.94	1.3	0.58	3.2
BROMOPHENYLPHENYL ETHER						ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE						ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER						ND	ND	ND	ND	ND
CHRYSENE						ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE						ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE						ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE						ND	ND	ND	ND	ND
1,3-DICHLOROBENZENE						ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE						ND	ND	ND	ND	ND
3,3'-DICHLOROBENZIDINE						ND	ND	ND	ND	ND
DIETHYL PHTHALATE						ND	ND	ND	ND	ND
DIMETHYL PHTHALATE						ND	ND	ND	ND	ND
2,4-DINITROTOLUENE						ND	ND	ND	ND	ND
2,6-DINITROTOLUENE						ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE						ND	ND	ND	ND	ND
FLUORANTHENE						ND	ND	ND	ND	ND
FLUORENE						ND	ND	ND	ND	ND
HEXACHLOROBENZENE						ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE						ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE						ND	ND	ND	ND	ND
HEXACHLOROETHANE						ND	ND	ND	ND	ND
INDENO (1,2,3-CD) PYRENE						ND	ND	ND	ND	ND
ISOPHORONE						ND	ND	ND	ND	ND
NAPHTHALENE						ND	ND	ND	ND	ND
NITROBENZENE						ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE						ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE						ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE						ND	ND	ND	ND	ND
1,2-DIPHENYLHYDRAZINE						ND	ND	ND	ND	ND
PHENANTHRENE						ND	ND	ND	ND	ND
PYRENE						ND	ND	ND	ND	ND
1,2,4-TRICHLOROBENZENE						ND	ND	ND	ND	ND
EPA 8270 ACIDS										
PHENOL						ND	ND	ND	ND	ND
2-CHLOROPHENOL						ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	<0.38	0.11	0.075	0.68	0.18	ND	0.11	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	<0.38	0.53	0.29	0.28	0.095	ND	ND	ND	ND	ND
2-NITROPHENOL						ND	ND	ND	ND	ND
2,4-DIMETHYLPHENOL						ND	ND	ND	ND	ND
2,4-DICHLOROPHENOL						ND	ND	ND	ND	ND
BENZOIC ACID	0.3	1.8	<1.8	<2	<1.9	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL						ND	ND	ND	ND	ND
2,4,6-TRICHLOROPHENOL						ND	ND	ND	ND	ND
2,4,5-TRICHLOROPHENOL						ND	ND	ND	ND	ND
2,4-DINITROPHENOL						ND	ND	ND	ND	ND
4-NITROPHENOL						ND	ND	ND	ND	ND
2-METHYL-4,6-DINITROPHENOL						ND	ND	ND	ND	ND
PENTACHLOROPHENOL						ND	ND	ND	ND	ND
Total SVOC	0.3	2.7	0.44	1.2	1.2	1.9	0.94	1.3	0.58	3.2

Results previously submitted to NYSDC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maoetri Site
Geddes, New York
SVOC SAMPLING RESULTS
Table 4
BIOPILE #5

Sample ID Date Sample Number	BP5-2 4-Aug-97 18-Aug-97 mg/kg Dry	BP5-4 4-Aug-97 18-Aug-97 mg/kg Dry	BP5-5 4-Aug-97 18-Aug-97 mg/kg Dry	BP5-7 4-Aug-97 18-Aug-97 mg/kg Dry	BP5-9 4-Aug-97 18-Aug-97 mg/kg Dry	BP5-11 4-Aug-97 18-Aug-97 mg/kg Dry	BP5-13 4-Aug-97 18-Aug-97 mg/kg Dry	BP5-15 4-Aug-97 18-Aug-97 mg/kg Dry	BP5-17 4-Aug-97 18-Aug-97 mg/kg Dry	BP5-1A 29-Sep-98 J7168 mg/kg Dry	BP5-3A 29-Sep-98 J7169 mg/kg Dry	BP5-5A 29-Sep-98 J7170 mg/kg Dry	BP5-7A 29-Sep-98 J7171 mg/kg Dry	BP5-9A 29-Sep-98 J7172 mg/kg Dry	BP5-11A 29-Sep-98 J7173 mg/kg Dry	BP5-13A 29-Sep-98 J7174 mg/kg Dry	BP5-15A 29-Sep-98 J7175 mg/kg Dry	BP5-17A 29-Sep-98 J7176 mg/kg Dry	BP5-1CB 15-Jan-99 180983 mg/kg Dry	BP5-2CB 20-Jan-99 181347 mg/kg Dry	BP5-3 15-Jun-99 191719 mg/kg Dry
PERCENT SOLIDS										85.6	83.8	83.8	88.8	83.2	85	88.9	81.2	81.0	92	89	86
EPA 8270 BASE NEUTRALS																					
ACENAPHTHENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZIDINE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE										1.5	0.88	2.4	5.2	1.3	5.5	1.7	0.65	1.3	0.36	ND	ND
BROMOPHENYLPHENYL ETHER										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE										ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND
1, 2-DICHLOROBENZENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3, 3' -DICHLOROBENZIDINE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ISOPHORONE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITROBENZENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PYRENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-TRICHLOROBENZENE										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8270 ACIDS																					
PHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	0.59	0.8	0.3	0.57	0.61	0.085	0.76	0.47	0.25	ND	ND	J 81	ND	J 0.15	ND	ND	ND	ND	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	0.22	0.5	0.3	0.26	0.4	0.067	0.24	0.26	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-NITROPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DICHLOROPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	0.8	1.1	0.21	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL										ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOC	1.9	2.6	0.94	2.2	1.4	0.65	1.5	1.2	2.1	1.5	0.88	2.4	5.2	1.3	5.5	1.7	0.65	1.3	1.46	ND	ND

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
Table 4
BIOPILE #5

Sample ID Date Sample Number	BP5-7 15-Jun-99 191720 mg/kg Dry	BP5-8 15-Jun-99 191721 mg/kg Dry
PERCENT SOLIDS	87	83
EPA 8270 BASE NEUTRALS		
ACENAPHTHENE	ND	ND
ACENAPHTHYLENE	ND	ND
ANTHRACENE	ND	ND
BENZO (A) ANTHRACENE	ND	ND
BENZO (B) FLUORANTHENE	ND	ND
BENZO (K) FLUORANTHENE	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND
BENZO (A) PYRENE	ND	ND
BENZIDINE	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND
2-CHLORONAPHTHALENE	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND
CHRYSENE	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND
DI-N-BUTYL PHTHALATE	ND	ND
1,2-DICHLOROBENZENE	ND	ND
1,3-DICHLOROBENZENE	ND	ND
1,4-DICHLOROBENZENE	ND	ND
3,3'-DICHLOROBENZIDINE	ND	ND
DIETHYL PHTHALATE	ND	ND
DIMETHYL PHTHALATE	ND	ND
2,4-DINITROTOLUENE	ND	ND
2,6-DINITROTOLUENE	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND
FLUORANTHENE	ND	ND
FLUORENE	ND	ND
HEXACHLOROBENZENE	ND	ND
HEXACHLOROBUTADIENE	ND	ND
HEXACHLOROCCYCLOPENTADIENE	ND	ND
HEXACHLOROETHANE	ND	ND
INDENO (1,2,3-CD) PYRENE	ND	ND
ISOPHORONE	ND	ND
NAPHTHALENE	ND	ND
NITROBENZENE	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND
1,2-DIPHENYLHYDRAZINE	ND	ND
PHENANTHRENE	ND	ND
PYRENE	ND	ND
1,2,4-TRICHLOROBENZENE	ND	ND
EPA 8270 ACIDS		
PHENOL	ND	ND
2-CHLOROPHENOL	ND	ND
O-CRESOL (2-METHYLPHENOL)	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND
2-NITROPHENOL	ND	ND
2,4-DIMETHYLPHENOL	ND	ND
2,4-DICHLOROPHENOL	ND	ND
BENZOIC ACID	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND
2,4,6-TRICHLOROPHENOL	ND	ND
2,4,5-TRICHLOROPHENOL	ND	ND
2,4-DINITROPHENOL	ND	ND
4-NITROPHENOL	ND	ND
2-METHYL-4,6-DINITROPHENOL	ND	ND
PENTACHLOROPHENOL	ND	ND
Total SVOC	ND	ND

Results previously submitted to NYSDEC
NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
EXTRACTION AIR
Table 5
BIOPILE #3

FLOW RATE

DATE UNITS	2/19/1997 CFM	2/20/1997 CFM	2/21/1997 CFM	2/26/1997 CFM	2/27/1997 CFM	2/28/1997 CFM	3/4/1997 CFM	3/5/1997 CFM	3/6/1997 CFM	3/12/1997 CFM	3/19/1997 CFM
LOCATION											
TOP LEG 1	28.4	22.2	30	24.6	30	30	-	-	-	-	CLOSED
TOP LEG 2	19.3	16	20.2	20.8	21	20.5	-	-	-	-	CLOSED
TOP LEG 3	17.9	14.6	20	20.3	22	21.5	-	-	-	-	CLOSED
TOP LEG 4	12	9.8	13.3	12.5	14.5	14	-	-	-	-	CLOSED
TOP LEG 5	5.8	5.4	5.8	5.6	6.3	6.2	-	-	-	-	CLOSED
TOP LEG 6	4.6	4.7	5.4	4.8	4.8	4.5	-	-	-	-	CLOSED
TOP LEG 7	2.7	3.1	2.1	2.8	2.7	2.3	-	-	-	-	CLOSED
TOP LEG 8	2.9	2.9	3.2	2.5	2.8	2.9	-	-	-	-	CLOSED
TOP LEG 9	2.2	1.5	1.5	0.9	2.3	2	-	-	-	-	CLOSED
BOTTOM LEG 1	23.6	19.2	28.5	17.5	28	19.7	33.5	19.4	27	37	32
BOTTOM LEG 2	14.4	12.8	18.3	17.8	17.4	12.1	20.6	20	16	22	19
BOTTOM LEG 3	10.5	6.8	9.8	7.8	10.3	7.3	18.3	9.4	16	19	18
BOTTOM LEG 4	7.5	1.1	2.7	0.01	0.06	0.02	18.5	12	15	19	17
BOTTOM LEG 5	4.9	3.2	0.05	0.01	0.08	0.02	8.5	6	8	10	10
BOTTOM LEG 6	0.9	2	3.2	2.3	2.1	1	12.5	11.2	8	10	9
BOTTOM LEG 7	1.2	0.62	0.65	0.16	0.59	0.5	6.2	5.8	6	9	10
BOTTOM LEG 8	2.2	1.3	1.6	0.62	1.5	1	9.5	6.5	7	9	10
BOTTOM LEG 9	0.021	0.01	0.012	0.005	0.02	0.027	5.5	8.7	4	5	5
BOTTOM LEG 10	1	0.43	0.62	0.28	0.8	0.86	5.5	6.7	4	5	9
BOTTOM LEG 11	2.4	1.5	1.8	1.2	1.8	1.9	6.8	8.5	5	6	7
BOTTOM LEG 12	1.1	0.68	0.61	0.65	0.6	0.65	0.63	0.4	0.3	0.2	0.1
BOTTOM LEG 13	0.4	0.17	0.12	0.25	0.27	0.4	4.3	5	3	4	5
BOTTOM LEG 14	1.8	1.1	1.3	1.1	1.1	1	6.3	7.5	4	3	0.1
PILE HEADER	129	97	137	126	130	133	122	125	126	124	119

Maestri Site
Geddes, New York
EXTRACTION AIR
Table 5
BIOPILE #3

VOC CONCENTRATION

DATE UNITS	2/19/1997 ppm	2/20/1997 ppm	2/21/1997 ppm	2/26/1997 ppm	2/27/1997 ppm	2/28/1997 ppm	3/3/1997 ppm	3/4/1997 ppm	3/5/1997 ppm	3/6/1997 ppm	3/12/1997 ppm	3/19/1997 ppm
LOCATION												
TOP LEG 1	0	0.2	0.2	0.4	0	0	1.6	13.7	11.2	24	-	-
TOP LEG 2	0	0	0.2	0.4	0	0	0.8	12.3	14.2	20	-	-
TOP LEG 3	0	0	0.2	0.4	0.2	0	20	85.6	84.4	113	-	-
TOP LEG 4	0	0	0.4	0.2	0	0	14.2	57.4	67.5	85	-	-
TOP LEG 5	0.2	0.4	0.2	0.4	0.4	0.2	54	28.3	273	300	-	-
TOP LEG 6	0.2	0.2	0.2	0.2	0.2	0	20	73.1	98.5	141	-	-
TOP LEG 7	0.4	0.4	0.4	0.2	0.2	0.2	3.8	15.9	21	46	-	-
TOP LEG 8	0.6	0.4	0.4	0.6	0.2	0.2	4.6	30.4	69.8	49	-	-
TOP LEG 9	1.2	1.4	0.6	1	0.8	0.6	2.2	16	26.3	60	-	-
BOTTOM LEG 1	0	0	0	0.2	0.2	0.2	2.8	14	17.6	29	37	22
BOTTOM LEG 2	0	0.4	0.2	0.4	0.4	0	2.2	16	19.4	27	24	14
BOTTOM LEG 3	0.4	0.8	0.6	1.5	0.4	0.2	3.6	24	27.8	24	14	12
BOTTOM LEG 4	0.4	0.4	2.4	0.4	0.6	0	1.4	11.4	20.8	24	30	12
BOTTOM LEG 5	0.6	0.8	2.4	1.6	0.8	0	1.2	10.6	21.1	29	20	12
BOTTOM LEG 6	0.8	0.8	1.8	2.5	0.4	0.2	5.4	34	46.4	57	56	24
BOTTOM LEG 7	0.8	0.6	0.8	0.2	1.8	0	3.6	10.5	25.5	47	24	6
BOTTOM LEG 8	1.2	1	3.4	0.6	3	0	5.4	29.4	39.2	56	47	11
BOTTOM LEG 9	200	200	220	200	150	3	100	38.5	45.4	69	57	57
BOTTOM LEG 10	0.6	1	1	0.4	0.6	0	0.2	6.9	29.2	86	19	7
BOTTOM LEG 11	0.4	0.6	0.4	0.6	0.4	0.2	1.2	19.3	53.2	61	29	13
BOTTOM LEG 12	0.8	0.8	1	1.2	1.2	0.6	1	7.1	41.3	39	12	7
BOTTOM LEG 13	1	1.6	2.8	1	1.4	0.6	0.4	9.2	13.6	47	16	4
BOTTOM LEG 14	1	1.4	1	1	1.2	0.4	0.4	14.6	16.8	54	20	25
PILE HEADER	0.2	0	0	0	0	0	3.2	8.2	17.7	26	22	7

CARBON DIOXIDE CONCENTRATION

DATE UNITS	2/19/1997 %	2/20/1997 %	2/21/1997 %	2/26/1997 %	2/27/1997 %	2/28/1997 %	3/3/1997 %	3/4/1997 %	3/5/1997 %	3/6/1997 %	3/12/1997 %	3/19/1997 %
LOCATION												
PILE HEADER	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	-	0.1	0.1

TEMPERATURE

DATE UNITS	2/19/1997 deg F	2/20/1997 deg F	2/21/1997 deg F	2/26/1997 deg F	2/27/1997 deg F	2/28/1997 deg F	3/3/1997 deg F	3/4/1997 deg F	3/5/1997 deg F	3/6/1997 deg F	3/12/1997 deg F	3/19/1997 deg F
LOCATION												
PILE HEADER	45	46	62	68	62	36.5	37.2	41.7	45.5	-	39	35
1	31	-	-	39	-	-	-	-	-	38	-	-
2	32	-	-	39	-	-	-	-	-	38	-	-
3	32	-	-	39	-	-	-	-	-	38	-	-
4	32	-	-	39	-	-	-	-	-	38	-	-

Maestri Site
Geddes, New York
SVE TREATMENT SYSTEM
Table 5
BIOPILE #3

FLOW RATE

DATE UNITS	2/19/1997 cfm	2/20/1997 cfm	2/21/1997 cfm	2/26/1997 cfm	2/27/1997 cfm	2/28/1997 cfm	3/3/1997 cfm	3/4/1997 cfm	3/5/1997 cfm	3/6/1997 cfm	3/12/1997 cfm	3/19/1997 cfm
LOCATION												
BLOWER INFLUENT	128	113	122	123	120	130	125	125	130	129	144	129
BEFORE VGAC1	123	139	126	126	123	128	130	124	121	127	119	115
BEFORE VGAC2	122	134	118	123	118	124	125	120	117	119	113	114
DISCHARGE STACK	117	130	112	119	118	120	120	114	115	115	106	110

VOC CONCENTRATION

DATE UNITS	2/19/1997 ppm	2/20/1997 ppm	2/21/1997 ppm	2/26/1997 ppm	2/27/1997 ppm	2/28/1997 ppm	3/3/1997 ppm	3/4/1997 ppm	3/5/1997 ppm	3/6/1997 ppm	3/12/1997 ppm	3/19/1997 ppm
LOCATION												
BLOWER INFLUENT	0	0	2	0.2	0.2	0	2.4	7.8	44.3	49	45	8
BEFORE VGAC1	1.4	0.8	1	1	0.8	1.2	1.6	11	35.6	45	40	20
BEFORE VGAC2	0.4	0.2	0.6	0.4	0.4	0.6	1.4	10.8	31.7	35	32	12
DISCHARGE STACK	0.2	0.2	0.4	0.2	0.6	0.2	1.2	7.2	27.7	30	24	8

TEMPERATURE

DATE UNITS	2/19/1997 deg F	2/20/1997 deg F	2/21/1997 deg F	2/26/1997 deg F	2/27/1997 deg F	2/28/1997 deg F	3/3/1997 deg F	3/4/1997 deg F	3/5/1997 deg F	3/6/1997 deg F	3/12/1997 deg F	3/19/1997 deg F
LOCATION												
BLOWER INFLUENT	48	48	68	70	66	38	35.7	42.5	45.4	37	40.5	41
BEFORE VGAC1	112	112	118	118	128	107.3	107.8	113.2	117.6	107	113.5	108
BEFORE VGAC2	108	104	116	118	114	100.5	101.6	100.6	103.8	94	97.3	98
DISCHARGE STACK	98	94	106	106	106	92	94	90.5	93.8	84	86	83

Maestri Site
Geddes, New York
BIOREMEDIATION / SOIL VAPOR EXTRACTION
SOIL PILE AIR COLLECTION TREATMENT SYSTEM

Table 5
BIOPILE #3

HNU READING

DATE UNITS	4/18/1997 ppm	4/23/1997 ppm	4/24/1997 ppm	4/25/1997 ppm	4/28/1997 ppm	4/29/1997 ppm	4/30/1997 ppm	6/13/1997 ppm	7/1/1997 ppm	7/11/1997 ppm	7/15/1997 ppm	9/17/1997 ppm	##### ppm	##### ppm	2/26/1998 ppm	7/14/1998 ppm
LOCATION																
B1	-	0.5	0.5	4	4.5	6	5	1.75	-	0.5	0	VS	OFF	-	>1	0
B2	-	0.2	0.2	2	2.5	3	3	0.25	-	0.5	0	VS	OFF	-	>1	0
T1	-	0.2	3	0.5	ND	1	1	ND	-	2	2.5	VS	OFF	OFF	OFF	OFF
B3	-	ND	ND	7	7	7	7	2	-	0	0	VS	OFF	-	>1	0
T2	-	45	1	0.5	0.5	1	2	ND	-	0.25	6.5	VS	OFF	OFF	OFF	OFF
B4	-	ND	0.2	0.5	3	3	3	ND	ND	0	0	0.4	0	-	>1	0
B5	-	ND	0.2	4	4	4	4	ND	ND	0	0	0.4	0	-	-	0
T3	-	11	1.5	0.5	1	1	2	ND	0.5	0	0	VS	OFF	OFF	OFF	OFF
B6	-	ND	0.2	10	10	9	10	ND	8.5	6	0	0.4	0	-	>1	0
T4	-	16	10	1	1	1	2	ND	0.5	0	0	VS	OFF	OFF	OFF	OFF
T5	-	12	17	1	1	1	2	0.2	0.5	0.25	0	VS	OFF	OFF	OFF	OFF
B7	-	ND	0.2	1.5	1	2	1	ND	0.5	0.25	0	0.4	0	-	>1	1
B8	-	ND	0.2	2	2	3	2	1.25	2	0	0.25	0.4	0	-	>1	0
T6	-	3	5	0.5	1	1	1	0.5	0.5	0	0.5	VS	OFF	OFF	OFF	OFF
B9	-	ND	0.2	14	11	13	15	7.5	0.5	0	4	0.4	0	-	>1	0
T7	-	1	1.5	1.5	1	1	2	0.75	0.5	0	0	VS	OFF	-	NO SOIL	0
B10	-	ND	ND	0.5	1	1	ND	0.5	0.5	0	0	0.4	0	-	NO SOIL	0
B11	-	ND	ND	2	2	2	2	ND	0.5	0	0	0.4	0	-	NO SOIL	0
T8	-	2.5	1.5	1	1	1	1	1.5	-	8	0	VS	OFF	-	NO SOIL	0
B12	-	ND	0.2	0.5	1	1	0.5	ND	-	0	0	VS	OFF	-	NO SOIL	0
T9	-	25	9	1	1	1	2	1	-	17	0	VS	OFF	-	NO SOIL	0
B13	-	0.5	ND	0.2	1	1	ND	0.25	-	8.5	11	0.4	OFF	-	NO SOIL	0
B14	-	0.5	ND	1.2	1	2	2	0.5	-	0	0	VS	0	-	NO SOIL	0
HEADER	-	NO PORT	NO PORT	-	1	1	1	ND	0.5	0.5	0	0.4		-	NO SOIL	0

Maestri Site
Geddes, New York
BIOREMEDIATION / SOIL VAPOR EXTRACTION
SOIL PILE AIR COLLECTION TREATMENT SYSTEM
Table 5
BIOPILE #3

FLOW RATE

DATE UNITS	4/18/1997 cfm	4/23/1997 cfm	4/24/1997 cfm	4/25/1997 cfm	4/28/1997 cfm	4/29/1997 cfm	4/30/1997 cfm	6/13/1997 cfm	7/1/1997 cfm	7/11/1997 cfm	7/15/197 cfm	9/17/1997 cfm	##### cfm	##### cfm	2/26/1998 cfm	7/14/1998 cfm
LOCATION																
B1	2.94	2.83	2.83	-	2.88	-	3.00	1.19	-	-	-	-	OFF	4	4.9	5.1
B2	2.94	2.94	2.88	-	3.00	-	2.94	1.63	-	-	-	-	OFF	4	4.3	5.1
T1	2.18	2.61	3.05	-	2.83	-	2.83	8.07	-	-	-	-	OFF	OFF	OFF	-
B3	2.88	2.83	2.83	-	2.94	-	2.88	1.36	-	-	-	-	OFF	4	4.3	4.3
T2	2.39	2.39	2.61	-	3.05	-	3.05	7.63	-	-	-	-	OFF	OFF	OFF	-
B4	3.00	2.83	3.00	-	2.88	-	2.83	1.31	-	-	-	-	4.63	1	4.6	4.9
B5	2.94	3.00	3.00	-	3.00	-	3.00	1.09	-	-	-	-	4.08	-	4.9	5.1
T3	2.39	2.39	2.83	-	3.27	-	3.27	5.45	-	-	-	-	OFF	OFF	OFF	-
B6	3.00	2.88	3.00	-	3.00	-	3.00	0.82	-	-	-	-	4.63	-	4.9	5.1
T4	2.61	2.83	3.27	-	3.27	-	3.27	7.74	-	-	-	-	OFF	OFF	OFF	-
T5	2.61	2.61	3.05	-	3.27	-	3.27	7.85	-	-	-	-	OFF	OFF	OFF	-
B7	2.72	2.88	3.00	-	2.83	-	2.83	0.87	-	-	-	-	4.63	-	4.9	5.1
B8	2.88	2.88	2.94	-	2.83	-	2.83	1.31	-	-	-	-	4.63	-	4.6	5.1
T6	2.83	2.61	3.05	-	2.83	-	2.83	6.10	-	-	-	-	OFF	OFF	OFF	-
B9	2.83	2.94	2.88	-	3.00	-	2.94	1.53	-	-	-	-	4.90	-	4.9	4.3
T7	2.83	2.83	2.39	-	3.05	-	2.83	5.45	-	-	-	-	OFF	-	NO SOIL	MATERIAL BACKFILLED
B10	2.72	2.88	3.00	-	2.94	-	2.94	-	-	-	-	-	4.63	-	NO SOIL	MATERIAL BACKFILLED
B11	2.83	2.88	3.00	-	3.00	-	3.00	-	-	-	-	-	4.36	-	NO SOIL	MATERIAL BACKFILLED
T8	2.18	2.83	3.27	-	3.05	-	3.27	-	-	-	-	-	OFF	-	NO SOIL	MATERIAL BACKFILLED
B12	2.83	2.88	3.00	-	2.83	-	2.83	-	-	-	-	-	OFF	-	NO SOIL	MATERIAL BACKFILLED
T9	2.39	3.05	3.27	-	2.83	-	3.05	-	-	-	-	-	OFF	-	NO SOIL	MATERIAL BACKFILLED
B13	2.83	2.83	2.77	-	2.94	-	2.83	-	-	-	-	-	OFF	-	NO SOIL	MATERIAL BACKFILLED
B14	2.88	2.88	2.83	-	2.83	-	2.94	-	-	-	-	-	OFF	-	NO SOIL	MATERIAL BACKFILLED
HEADER	-	-	-	-	65.40	-	65.40	33.35	-	-	-	-	56.68	-	45.8	MATERIAL BACKFILLED

Maestri Site
Geddes, New York
BIOREMEDIATION / SOIL VAPOR EXTRACTION
SOIL PILE AIR COLLECTION TREATMENT SYSTEM
Table 5
BIOPILE #3

VELOCITY

DATE UNITS	4/18/1997 fpm	4/23/1997 fpm	4/24/1997 fpm	4/25/1997 fpm	4/28/1997 fpm	4/29/1997 fpm	4/30/1997 fpm	6/13/1997 fpm	7/1/1997 fpm	7/11/1997 fpm	7/15/1997 fpm	9/17/1997 fpm	##### fpm	##### fpm	2/26/1998 fpm	7/14/1998 fpm
LOCATION																
B1	540	520	520	-	530	-	550	218	OFF	VS	VC	VS	OFF	800	900	950
B2	540	540	530	-	550	-	540	300	OFF	VS	VC	VS	OFF	750	800	950
T1	100	120	140	-	130	-	130	370	OFF	VS	200	VS	OFF	OFF	OFF	-
B3	530	520	520	-	540	-	530	250	OFF	VS	VC	VS	OFF	800	800	800
T2	110	110	120	-	140	-	140	350	OFF	VS	225	VS	OFF	OFF	OFF	-
B4	550	520	550	-	530	-	520	240	556	600	600	798	850	250	850	900
B5	540	550	550	-	550	-	550	200	520	580	540	1323	750	NF	900	950
T3	110	110	130	-	150	-	150	250	200	300	300	VS	OFF	OFF	OFF	-
B6	550	530	550	-	550	-	550	150	600	750	500	844	850	NF	900	950
T4	120	130	150	-	150	-	150	355	165	250	250	VS	OFF	OFF	OFF	-
T5	120	120	140	-	150	-	150	360	275	450	210	VS	OFF	OFF	OFF	-
B7	500	530	550	-	520	-	520	160	525	700	470	2286	850	N/F	900	950
B8	530	530	540	-	520	-	520	240	570	600	615	1315	850	NF	850	950
T6	130	120	140	-	130	-	130	280	200	370	260	VS	OFF	OFF	OFF	-
B9	520	540	530	-	550	-	540	280	520	560	510	1256	900	NF	900	800
T7	130	130	110	-	140	-	130	250	ND	NF	280	VS	OFF	NF	NO SOIL	MATERIAL BACKFILLED
B10	500	530	550	-	540	-	540	NF	ND	NF	490	3436	850	NF	NO SOIL	MATERIAL BACKFILLED
B11	520	530	550	-	550	-	550	NF	521	675	600	1871	800	NF	NO SOIL	MATERIAL BACKFILLED
T8	100	130	150	-	140	-	150	NF	OFF	350	390	VS	OFF	NF	NO SOIL	MATERIAL BACKFILLED
B12	520	530	550	-	520	-	520	NF	OFF	VS	VC	VS	OFF	NF	NO SOIL	MATERIAL BACKFILLED
T9	110	140	150	-	130	-	140	NF	OFF	NF	255	VS	OFF	NF	NO SOIL	MATERIAL BACKFILLED
B13	520	520	510	-	540	-	520	NF	OFF	NF	200	3365	OFF	NF	NO SOIL	MATERIAL BACKFILLED
B14	530	530	520	-	520	-	540	NF	OFF	VS	VC	VS	OFF	NF	NO SOIL	MATERIAL BACKFILLED
HEADER	-	-	-	-	3000	-	3000	1530	-	-	2640	2567	2600	2100	2100	1350

Maestri Site
Geddes, New York
BIOREMEDIATION / SOIL VAPOR EXTRACTION
SOIL PILE AIR COLLECTION TREATMENT SYSTEM

Table 5
BIOPILE #3

TEMPERATURE

DATE UNITS	4/18/1997 deg F	4/23/1997 deg F	4/24/1997 deg F	4/25/1997 deg F	4/28/1997 deg F	4/29/1997 deg F	4/30/1997 deg F	6/13/1997 deg F	7/1/1997 deg F	7/11/1997 deg F	7/15/197 deg F	9/17/1997 deg F	##### deg F	##### deg F	2/26/1998 deg F	7/14/1998 deg F
LOCATION																
B1	41	54	55	-	52	-	61	65	-	81	74	VS	OFF	38	38	76
B2	41	54	55	-	53	-	61	66	-	83	74	VS	OFF	32	32	77
T1	39	79	60	-	58	-	80	69	-	83	76	VS	OFF	OFF	OFF	-
B3	41	54	55	-	53	-	67	65	-	83	76	VS	OFF	38	38	81
T2	40	78	60	-	59	-	80	68	-	84	76	VS	OFF	OFF	OFF	-
B4	41	52	54	-	51	-	60	64	-	80	74	67	56	31	38	76
B5	41	51	54	-	51	-	60	64	-	80	74	67	56	-	38	73
T3	38	81	60	-	58	-	80	67	-	91	79	VS	OFF	OFF	OFF	-
B6	41	52	53	-	50	-	57	65	-	81	73	66	55	-	38	73
T4	39	81	60	-	58	-	80	68	-	92	79	VS	OFF	OFF	OFF	-
T5	38	80	60	-	59	-	78	67	-	93	79	VS	OFF	OFF	OFF	-
B7	41	81	55	-	51	-	64	64	-	84	72	68	65	-	43	75
B8	41	58	55	-	51	-	64	64	-	83	73	67	62	-	43	76
T6	39	81	60	-	58	-	79	67	-	90	78	VS	OFF	OFF	OFF	-
B9	41	69	56	-	52	-	73	66	-	84	74	68	59	-	42	81
T7	38	82	60	-	59	-	79	67	-	92	79	VS	OFF	-	NO SOIL	MATERIAL BACKFILLED
B10	41	75	57	-	53	-	71	67	-	85	74	70	61	-	NO SOIL	MATERIAL BACKFILLED
B11	41	75	55	-	52	-	60	66	-	84	74	69	61	-	NO SOIL	MATERIAL BACKFILLED
T8	38	83	61	-	60	-	80	67	-	92	79	VS	OFF	-	NO SOIL	MATERIAL BACKFILLED
B12	41	66	56	-	53	-	65	66	-	84	73	VS	OFF	-	NO SOIL	MATERIAL BACKFILLED
T9	39	87	61	-	60	-	80	67	-	89	79	VS	OFF	-	NO SOIL	MATERIAL BACKFILLED
B13	41	72	57	-	54	-	72	66	-	84	72	69	OFF	-	NO SOIL	MATERIAL BACKFILLED
B14	41	78	58	-	55	-	76	66	-	84	72	VS	OFF	-	NO SOIL	MATERIAL BACKFILLED
HEADER	-	-	-	-	56	-	82	66	-	86	73	70	45	32	35	86

Maestri Site
Geddes, New York
SVE TREATMENT SYSTEM
Table 6
BIOWALL #4

HNu READING

DATE UNITS	4/17/1997 ppm	4/18/1997 ppm	4/21/1997 ppm	4/22/1997 ppm	4/23/1997 ppm	4/24/1997 ppm	4/25/1997 ppm	4/28/1997 ppm	4/29/1997 ppm	4/30/1997 ppm	5/1/1997 ppm	5/7/1997 ppm	5/14/1997 ppm	6/13/1997 ppm	7/1/1997 ppm	7/11/1998 ppm	7/15/1997 ppm	9/17/1997 ppm	10/17/1997 ppm	12/22/1997 ppm	2/26/1998 ppm	7/14/1998 ppm
LOCATION																						
BLOWER INFLUENT	4	3	4	5	-	6	5	7	6	6	6	6	5	ND	0.75	0	0	0.4	0.5	-	>1	-
BEFORE CARBON 1	3	3	4	4	-	3	2	6	5	4	4	4	2	5.5	11.5	0	5	1.8	0.5	-	>1	-
BEFORE CARBON 2	3	3	4	4	-	4	3	3.5	4	4	4	2	3	6	9	0	4.8	1	0.3	-	>1	-
DISCHARGE STACK	3	3	4	4	-	4	3	3.5	4	4	4	2	4	6	8.25	0	5.5	1	0.1	-	>1	-
BLOWER #2																					WARM	

FLOW RATE

DATE UNITS	4/17/1997 cfm	4/18/1997 cfm	4/21/1997 cfm	4/22/1997 cfm	4/23/1997 cfm	4/24/1997 cfm	4/25/1997 cfm	4/28/1997 cfm	4/29/1997 cfm	4/30/1997 cfm	5/1/1997 cfm	5/7/1997 cfm	5/14/1997 cfm	6/13/1997 cfm	7/1/1997 cfm	7/11/1998 cfm	7/15/1997 cfm	9/17/1997 cfm	10/17/1997 cfm	12/22/1997 cfm	2/26/1998 cfm	7/14/1998 cfm
LOCATION																						
BLOWER INFLUENT	139.52	135.16	139.52	135.16	135.16	137.34	135.16	139.52	139.52	137.34	139.52	139.52	135.16	118.85	-	-	-	-	152.6	109	130.8	-
BEFORE CARBON 1	137.34	130.8	139.52	130.8	132.98	137.34	135.16	137.34	135.16	135.16	137.34	135.16	135.16	114.3	-	-	-	-	124.26	100	122	-
BEFORE CARBON 2	139.52	130.8	139.52	135.16	137.34	137.34	135.16	137.34	137.34	137.34	139.52	137.34	139.52	116.89	-	-	-	-	119.9	105	128	-
DISCHARGE STACK	141.7	141.7	146.06	139.52	139.52	143.88	139.52	148.24	150.42	141.7	143.88	137.34	143.88	115.37	-	-	-	-	122.08	87	143.8	-
BLOWER #2																					119.9	

VELOCITY

DATE UNITS	4/17/1997 fpm	4/18/1997 fpm	4/21/1997 fpm	4/22/1997 fpm	4/23/1997 fpm	4/24/1997 fpm	4/25/1997 fpm	4/28/1997 fpm	4/29/1997 fpm	4/30/1997 fpm	5/1/1997 fpm	5/7/1997 fpm	5/14/1997 fpm	6/13/1997 fpm	7/1/1997 fpm	7/11/1998 fpm	7/15/1997 fpm	9/17/1997 fpm	10/17/1997 fpm	12/22/1997 fpm	2/26/1998 fpm	7/14/1998 fpm
LOCATION																						
BLOWER INFLUENT	6400	6200	6400	6200	6200	6300	6200	6400	6400	6300	6400	6400	6200	5452	5049	3215	2963	4970	7000	5000	6000	-
BEFORE CARBON 1	6300	6000	6400	6000	6100	6300	6200	6300	6200	6200	6300	6200	6200	5243	3477	4026	4616	4463	5700	4600	5600	-
BEFORE CARBON 2	6400	6000	6400	6200	6300	6300	6200	6300	6300	6300	6400	6300	6400	5362	3955	5057	5310	4728	5500	4850	5950	-
DISCHARGE STACK	6500	6500	6700	6400	6400	6300	6400	6800	6900	6500	6600	6300	6600	5292	4564	5800	4467	5675	5600	4000	6600	-
BLOWER #2																					5500	

TEMPERATURE

DATE UNITS	4/17/1997 deg F	4/18/1997 deg F	4/21/1997 deg F	4/22/1997 deg F	4/23/1997 deg F	4/24/1997 deg F	4/25/1997 deg F	4/28/1997 deg F	4/29/1997 deg F	4/30/1997 deg F	5/1/1997 deg F	5/7/1997 deg F	5/14/1997 deg F	6/13/1997 deg F	7/1/1997 deg F	7/11/1998 deg F	7/15/1997 deg F	9/17/1997 deg F	10/17/1997 deg F	12/22/1997 deg F	2/26/1998 deg F	7/14/1998 deg F
LOCATION																						
BLOWER INFLUENT	-	40	66	68	69	65	68	65	68	78	77	65	73	72	-	83	76	70	57	38	37	-
BEFORE CARBON 1	-	106	127	127	131	128	130	122	124	136	135	127	133	132	-	137	137	131	122	125	105	-
BEFORE CARBON 2	-	100	115	116	118	115	117	110	112	125	121	118	121	122	-	129	126	121	108	110	103	-
DISCHARGE STACK	-	94	106	106	109	105	107	104	106	114	111	109	112	115	-	120	115	115	100	97	97	-
BLOWER #2																					81	

Maestri Site
Geddes, New York
BIOREMEDIATION / SOIL VAPOR EXTRACTION
SOIL PILE AIR COLLECTION TREATMENT SYSTEM
Table 6 (Continued)
BIOPILE #4

Hnu READING

DATE UNITS	4/17/1997 ppm	4/18/1997 ppm	4/21/1997 ppm	4/22/1997 ppm	4/23/1997 ppm	4/24/1997 ppm	4/25/1997 ppm	4/28/1997 ppm	4/29/1997 ppm	4/30/1997 ppm	5/1/1997 ppm	5/7/1997 ppm	5/14/1997 ppm	6/13/1997 ppm	7/1/1997 ppm	7/11/1998 ppm	7/15/1997 ppm	9/17/1997 ppm	10/17/1997 ppm	12/22/1997 ppm	2/26/1998 ppm	7/14/1998 ppm
LOCATION																						
B1	1	1	ND	ND	ND	40	35	20	30	30	30	40	30	ND	ND	0	0	0.2	0	Pipe Frozen	>1	0
T1	12	13	25	30	30	80	17	15	20	20	20	17	13	ND	16	0.5	6	VS	OFF	Pipe Frozen	OFF	0
B2	1	1	1	1	ND	3	4	5	5	5	6	5	4	1	2.5	0	0.8	0.2	0	Pipe Frozen	>1	0
T2	20	20	40	50	30	250	30	20	30	30	30	30	25	40	42	0	40	VS	OFF	Pipe Frozen	OFF	0
B3	1	1	2	3	ND	6	6	6	6	7	7	6	6.5	4	0.5	0	30	0.2	0	Pipe Frozen	>1	0
T3	30	1/30/1900	60	65	3	250	40	40	40	40	40	40	40	30	50.5	4	0.05	VS	OFF	Pipe Frozen	OFF	0
B4	1	1	2	2	0.4	4	3	4	3	3	1	3	1.5	0.75	2	0	0	0.4	0	Pipe Frozen	>1	0
HEADER	-	-	-	-	NO PORT	NO PORT	NO PORT	-	23	25	25	25	18	ND	0.25	0	0	0.2	0	Pipe Frozen	>1	0

FLOW RATE

DATE UNITS	4/17/1997 cfm	4/18/1997 cfm	4/21/1997 cfm	4/22/1997 cfm	4/23/1997 cfm	4/24/1997 cfm	4/25/1997 cfm	4/28/1997 cfm	4/29/1997 cfm	4/30/1997 cfm	5/1/1997 cfm	5/7/1997 cfm	5/14/1997 cfm	6/13/1997 cfm	7/1/1997 cfm	7/11/1998 cfm	7/15/1997 cfm	9/17/1997 cfm	10/17/1997 cfm	12/22/1997 cfm	2/26/1998 cfm	7/14/1998 cfm
LOCATION																						
B1	3.27	3.27	3.00	3.00	2.88	3.00	3.00	2.88	2.83	2.94	3.00	2.72	3.00	3.27	-	-	-	-	4.9	No Air Flow	4.9	5.1
T1	2.83	2.61	3.05	2.83	3.27	3.27	3.27	3.27	3.27	3.27	3.27	4.36	4.36	6.87	-	-	-	-	OFF	No Air Flow	OFF	8.7
B2	3.27	3.27	3.00	2.88	2.94	3.00	3.00	3.00	3.00	2.83	2.88	2.88	3.00	1.91	-	-	-	-	4.9	No Air Flow	4.9	5.1
T2	2.61	2.39	2.83	3.05	2.61	3.05	3.27	3.27	3.27	3.27	3.05	3.27	4.36	8.72	-	-	-	-	OFF	No Air Flow	OFF	5.5
B3	2.94	2.88	2.72	3.00	2.88	2.94	3.00	2.94	3.00	2.88	2.94	2.94	2.88	1.77	-	-	-	-	4.9	No Air Flow	4.9	4.9
T3	3.05	2.83	2.83	2.83	2.61	3.27	3.05	3.05	3.05	3.05	3.27	3.27	3.05	7.63	-	-	-	-	OFF	No Air Flow	OFF	6.5
B4	3.00	3.05	2.88	2.72	3.00	2.94	2.94	2.88	2.88	2.83	2.88	2.83	2.83	1.69	-	-	-	-	4.08	No Air Flow	4.9	5.1
HEADER	-	-	-	-	-	-	-	-	23.98	25.07	25.07	25.07	26.16	23.98	-	-	-	-	58.86	No Air Flow	21.8	40.1
INJECTION AIR																					20.7	

Maestri Site
Geddes, New York
BIOREMEDIATION / SOIL VAPOR EXTRACTION
SOIL PILE AIR COLLECTION TREATMENT SYSTEM
Table 6 (Continued)
BIOPILE #4

VELOCITY

DATE UNITS	4/17/1997 fpm	4/18/1997 fpm	4/21/1997 fpm	4/22/1997 fpm	4/23/1997 fpm	4/24/1997 fpm	4/25/1997 fpm	4/28/1997 fpm	4/29/1997 fpm	4/30/1997 fpm	5/1/1997 fpm	5/7/1997 fpm	5/14/1997 fpm	6/13/1997 fpm	7/1/1997 fpm	7/11/1998 fpm	7/15/1997 fpm	9/17/1997 fpm	10/17/1997 fpm	12/22/1997 fpm	2/26/1998 fpm	7/14/1998 fpm
LOCATION																						
B1	600	600	550	550	530	550	550	530	520	540	550	500	550	600	650	610	530	730	900	-	900	950
T1	130	120	140	130	150	150	150	150	150	150	150	200	200	315	160	200	205	VS	OFF	-	OFF	400
B2	600	600	550	530	540	550	550	550	550	520	530	530	550	350	510	450	540	947	900	-	900	950
T2	120	110	130	140	120	140	150	150	150	150	140	150	200	400	180	225	200	VS	OFF	-	OFF	260
B3	540	530	500	550	530	540	550	540	550	530	540	540	530	325	150	600	560	690	900	-	900	900
T3	140	130	130	130	120	150	140	140	140	140	150	150	140	350	275	260	210	VS	OFF	-	OFF	300
B4	550	560	530	500	550	540	540	530	530	520	530	520	520	310	551	600	600	1177	700	-	900	950
HEADER	-	-	-	-	-	-	-	-	1100	1150	1150	1150	1200	1130	1836	1679	600	1429	2700	-	1000	1800
INJECTION AIR																					950	

TEMPERATURE

DATE UNITS	4/17/1997 deg F	4/18/1997 deg F	4/21/1997 deg F	4/22/1997 deg F	4/23/1997 deg F	4/24/1997 deg F	4/25/1997 deg F	4/28/1997 deg F	4/29/1997 deg F	4/30/1997 deg F	5/1/1997 deg F	5/7/1997 deg F	5/14/1997 deg F	6/13/1997 deg F	7/1/1997 deg F	7/11/1998 deg F	7/15/1997 deg F	9/17/1997 deg F	10/17/1997 deg F	12/22/1997 deg F	2/26/1998 deg F	7/14/1998 deg F
LOCATION																						
B1	45	44	57	60	64	56	58	50	70	64	65	53	63	74	-	70	75	67	64	-	40	75
T1	50	48	73	81	83	60	65	55	75	79	78	57	73	78	-	76	79	VS	OFF	-	OFF	83
B2	46	44	57	60	74	57	57	50	70	66	66	53	63	74	-	73	77	67	63	-	41	82
T2	51	49	70	82	83	61	66	56	76	82	80	58	75	77	-	76	79	VS	OFF	-	OFF	86
B3	44	44	62	75	79	56	61	48	60	69	68	55	70	73	-	74	77	72	60	-	44	82
T3	50	48	69	83	81	60	67	55	75	82	81	59	79	81	-	79	79	VS	OFF	-	OFF	84
B4	45	44	64	70	72	56	63	50	60	77	76	57	67	75	-	75	73	74	59	-	43	82
HEADER	-	-	-	-	-	-	-	-	-	80	79	58	71	78	-	73	76	67	57	-	40	81
INJECTION AIR																					75	

Maestri Site
Geddes, NY
BIOREMEDIATION / SOIL VAPOR EXTRACTION
SOIL PILE AIR COLLECTION AND TREATMENT SYSTEM
Table 7 (Continued)
BIOPILE #5

HNU READING

DATE UNITS	4/17/1997 ppm	4/18/1997 ppm	4/21/1997 ppm	4/22/1997 ppm	4/23/1997 ppm	4/24/1997 ppm	4/25/1997 ppm	4/28/1997 ppm	4/29/1997 ppm	4/30/1997 ppm	5/1/1997 ppm	5/7/1997 ppm	5/14/1997 ppm	6/13/1997 ppm	7/1/1997 ppm	7/11/1997 ppm	7/15/1997 ppm	9/17/1997 ppm	10/17/1997 ppm	12/22/1997 ppm	2/26/1998 ppm	7/14/1998 ppm
LOCATION																						
B1	1	1	ND	0.5	ND	ND	0.2	1	0.5	1	1	0.5	0.5	0.5	0.5	0	0	0.2	0	-	>1	0
B2	1	1	ND	ND	ND	ND	0.5	1	1	2	2	1	0.5	0.5	0.5	0	0	0.4	0	-	>1	0
T1	1	1	0.5	0.5	ND	ND	0.5	1	0.5	1	1	35	ND	0.25	0.25	0	0	VS	OFF	OFF	OFF	0
B3	1	1	ND	0.2	ND	ND	10	13	20	20	20	16	6	0.5	20	0	0	0.4	0	-	>1	0
T2	1	1	ND	0.2	ND	ND	ND	ND	1	1	1	0.5	0.5	ND	0.25	0	0	VS	OFF	OFF	OFF	0
B4	1	1	ND	ND	ND	ND	ND	ND	1	0.5	1	0.5	0.5	ND	0.25	0	0	0.4	0	-	>1	0
T3	1	1	0.5	ND	ND	ND	ND	ND	0.5	ND	1	0.5	ND	ND	0.5	0	0	VS	OFF	OFF	OFF	0
B5	1	1	ND	ND	ND	ND	1.5	1	2	1	1	2	0.5	ND	0.5	0	0	0.4	0	-	>1	0
B6	1	1	0.2	ND	ND	ND	5.5	5	5	6	7	4	4	1.25	1.5	0	0	0.2	0	-	>1	0
T4	1	1	0.4	1	ND	1	1	1	1	1	1	1	ND	2.5	0.25	0	0	VS	OFF	OFF	OFF	0
B7	1	1	ND	ND	ND	ND	1.5	1	1.5	2	3	0.5	0.5	0.5	0.5	0	0	0.2	0	-	>1	0
B8	1	1	ND	ND	ND	ND	4.5	4	4	4	5	2	2	0.75	1.5	0	0	0.2	0	-	>1	0
T5	1	1	ND	ND	ND	ND	ND	ND	15	ND	1	ND	0.5	ND	2	0	0	VS	OFF	OFF	OFF	0
B9	1	1	0.5	ND	ND	ND	250	200	250	300	300	190	180	110	67	0	40	0.4	0	-	>1	0
T6	1	1	8	1.5	ND	2	3	2	2	2	3	2	1.5	2	0.25	0	0	VS	OFF	OFF	OFF	0
B10	20	20	30	ND	ND	ND	20	1	30	30	30	4	7.5	0.5	2.5	0	0	0.4	0	-	>1	0
T7	7	7	1	1.5	ND	6	2	2	2	2	2	2	0.5	ND	0.5	0	0	VS	OFF	OFF	OFF	0
B11	7	7	7	0.5	ND	ND	4.5	2	7	6	6	1	2	ND	7	0.5	4	0.4	0	-	>1	0
B12	41	41	25	ND	ND	ND	13	2	14	12	15	40	8	2	3.75	4	8	0.4	13	-	>1	0
T8	3	3	1	1.5	ND	14	1.5	2	1.5	2	2	1	ND	0.5	0.25	0	0	VS	OFF	OFF	OFF	0
B13	1	1	1	ND	ND	0.5	1	1	1	1	1	1	ND	ND	0.25	0	0	0.2	0	-	>1	0
B14	2	2	1	ND	ND	ND	1	1	1	1	1	1	ND	ND	2	1	5	0.2	0	-	>1	0
HEADER	-	-	-	-	ND	NO PORT	NO PORT	4	5	6	7	10	2.5	ND	0.5	0	0	0.4	0	-	>1	0

DATE UNITS	4/17/1997 cfm	4/18/1997 cfm	4/21/1997 cfm	4/22/1997 cfm	4/23/1997 cfm	4/24/1997 cfm	4/25/1997 cfm	4/28/1997 cfm	4/29/1997 cfm	4/30/1997 cfm	5/1/1997 cfm	5/7/1997 cfm	5/14/1997 cfm	6/13/1997 cfm	7/1/1997 cfm	7/11/1997 cfm	7/15/1997 cfm	9/17/1997 cfm	10/17/1997 cfm	12/22/1997 cfm	2/26/1998 cfm	7/14/1998 cfm
LOCATION																						
B1	2.94	2.88	2.77	2.88	2.94	3	2.88	2.94	2.88	2.94	3	2.94	2.94	1.39	-	-	-	-	3.81	11	4.9	4.6
B2	2.94	2.94	3	2.94	2.94	2.94	3	-	2.83	3	3	2.88	3	2.23	-	-	-	-	3.81	11	4.9	4.6
T1	2.39	2.4	3.27	3.05	3.27	3.27	3.05	-	3.27	3.27	3.27	3.05	3.27	14.72	-	-	-	-	OFF	OFF	OFF	13
B3	2.77	2.72	2.83	2.94	3	2.88	2.94	-	2.88	2.83	2.88	4.36	1.36	2.73	-	-	-	-	2.72	11	4.9	4.6
T2	2.61	2.61	2.83	3.05	2.83	3.27	3.05	-	3.27	3.27	3.27	3.48	2.83	13.83	-	-	-	-	OFF	OFF	OFF	5.4
B4	2.88	2.86	2.94	2.88	2.88	2.94	2.88	-	2.83	2.88	2.88	2.94	3	1.96	-	-	-	-	3.27	-	5.1	4.6
T3	2.39	2.5	3.05	2.61	2.83	3.05	3.05	-	3.27	3.27	3.27	3.27	3.05	12.64	-	-	-	-	OFF	OFF	OFF	6.5
B5	2.88	2.88	2.72	2.88	3	3	2.94	-	2.77	3	2.94	4.36	2.72	3.27	-	-	-	-	3.81	11	5.4	4.6
B6	2.77	2.8	2.88	2.94	2.94	2.94	2.88	-	2.88	2.94	2.94	2.77	3	2.86	-	-	-	-	2.72	11	4.9	4.6
T4	2.83	2.83	2.83	2.83	2.83	3.05	3.27	-	2.83	3.27	3.27	2.83	2.83	8.01	-	-	-	-	OFF	OFF	OFF	5.4
B7	2.94	2.94	2.72	2.94	2.88	3	3	-	3	2.94	2.94	2.88	2.94	3.82	-	-	-	-	4.63	11	5.1	4.6
B8	2.88	2.91	2.88	3	2.88	2.88	2.94	-	3	2.88	2.83	2.83	1.9	1.53	-	-	-	-	3.81	11	4.9	4.6
T5	2.39	2.4	2.83	2.83	2.61	3.27	3.05	-	2.39	3.27	3.27	0	2.83	3.27	-	-	-	-	OFF	OFF	OFF	5.4
B9	2.72	2.72	2.72	2.94	2.88	2.94	3	-	2.88	2.83	2.88	2.94	2.83	1.53	-	-	-	-	2.99	11	4.9	4.6
T6	2.18	2.28	3.05	2.61	3.27	3.05	3.27	-	3.27	3.27	3.27	2.92	3.27	6.32	-	-	-	-	OFF	OFF	OFF	5.4
B10	2.83	2.77	2.72	2.88	2.88	3	2.94	-	2.83	2.83	2.83	2.94	2.83	1.69	-	-	-	-	4.9	11	5.1	4.6
T7	2.61	2.5	2.61	2.83	3.27	3.27	3.05	-	2.72	3.27	3.27	2.83	2.83	10.03	-	-	-	-	OFF	OFF	OFF	4.3
B11	2.77	2.72	2.72	2.88	2.88	3	2.94	-	2.94	2.83	2.88	3	2.83	2.67	-	-	-	-	2.72	11	5.1	4.6
B12	2.72	2.67	2.72	2.61	2.72	2.94	3	-	2.88	2.77	2.83	0	0	1.8	-	-	-	-	3.27	10	4.9	4.6
T8	2.18	2.18	2.39	2.72	2.61	3.27	3.05	-	3.27	3.27	3.27	3.05	2.39	3.27	-	-	-	-	OFF	OFF	OFF	5.4
B13	2.67	2.61	2.72	2.88	2.88	2.94	3	-	2.83	3	3	2.94	2.77	2.18	-	-	-	-	0	10	4.3	4.6
B14	2.61	2.58	2.72	2.88	3	2.94	3	-	2.88	3	3	2.88	2.88	2.07	-	-	-	-	0	OFF	4.3	4.6
HEADER	-	-	-	-	-	-	-	-	57.77	58.86	58.86	58.86	58.86	43.16	-	-	-	-	54.5	76	61.04	61.4

Maestri Site
Geddes, NY
BIOREMEDIATION / SOIL VAPOR EXTRACTION
SOIL PILE AIR COLLECTION AND TREATMENT SYSTEM
Table 7 (Continued)
BIOPILE #5

VELOCITY

DATE UNITS	4/17/1997 fpm	4/18/1997 fpm	4/21/1997 fpm	4/22/1997 fpm	4/23/1997 fpm	4/24/1997 fpm	4/25/1997 fpm	4/28/1997 fpm	4/29/1997 fpm	4/30/1997 fpm	5/1/1997 fpm	5/7/1997 fpm	5/14/1997 fpm	6/13/1997 fpm	7/1/1997 fpm	7/11/1998 fpm	7/15/1997 fpm	9/17/1997 fpm	10/17/1997 fpm	12/22/1997 fpm	2/26/1998 fpm	7/14/1998 fpm
LOCATION																						
B1	540	530	510	530	540	550	530	540	530	540	550	540	540	255	580	600	600	856	700	-	900	850
B2	540	540	550	540	540	540	550	520	520	550	550	530	550	410	540	501	530	874	700	2000	900	850
T1	110	110	150	140	150	150	140	150	150	150	150	140	150	675	225	283	200	VS	OFF	OFF	OFF	650
B3	510	500	520	540	550	530	540	530	530	520	530	200	250	500	575	625	725	431	500	-	900	850
T2	120	120	130	140	130	150	140	150	150	150	150	160	130	625	210	200	220	VS	OFF	OFF	OFF	250
B4	530	525	540	530	530	540	530	520	520	530	530	540	550	360	560	500	570	841	600	-	950	850
T3	110	115	140	120	130	140	140	150	150	150	150	150	140	580	200	165	195	VS	OFF	OFF	OFF	300
B5	530	530	500	530	550	550	540	530	510	550	540	200	500	600	250	550	500	970	700	-	1000	850
B6	510	515	530	540	540	540	530	520	530	540	540	510	550	525	550	600	600	664	500	2000	900	850
T4	130	130	130	130	130	140	150	130	130	150	150	130	130	370	156	195	200	VS	OFF	OFF	OFF	250
B7	540	540	500	540	530	550	550	550	550	540	540	530	540	700	550	560	400	1589	850	-	950	850
B8	530	535	530	550	530	530	540	540	550	530	520	520	350	280	ND	350	NF	1728	700	-	900	850
T5	110	110	130	130	120	150	140	120	110	150	150	0	130	150	ND	ND	37	VS	OFF	OFF	OFF	250
B9	500	500	500	540	530	540	550	530	530	520	530	540	520	280	ND	ND	NF	628	550	-	900	850
T6	100	105	140	120	150	140	150	150	150	150	150	130	150	290	205	200	NF	VS	OFF	OFF	OFF	250
B10	520	510	500	530	530	550	540	520	520	520	520	540	520	310	200	280	200	2257	900	2100	950	850
T7	150	115	120	130	150	150	140	120	125	150	150	130	130	460	-	ND	NF	VS	OFF	OFF	OFF	200
B11	510	500	500	530	530	550	540	530	540	520	530	550	520	490	-	ND	NF	668	500	-	950	850
B12	500	490	500	120	500	540	550	550	530	510	520	0	0	330	-	ND	NF	500	600	-	900	850
T8	100	100	110	500	120	150	140	150	150	150	150	140	110	150	-	ND	NF	VS	OFF	OFF	OFF	250
B13	490	480	500	530	530	540	550	530	520	550	550	540	510	400	-	ND	NF	2207	0	1900	800	850
B14	480	475	500	530	550	540	550	530	530	550	550	530	530	380	-	ND	NF	440	0	OFF	800	850
HEADER	-	-	-	-	-	-	-1	2600	2650	2700	2700	2700	2700	1980	1800	1767	1490	1703	2500	3500	2800	2800

TEMPERATURE

DATE UNITS	4/17/1997 deg F	4/18/1997 deg F	4/21/1997 deg F	4/22/1997 deg F	4/23/1997 deg F	4/24/1997 deg F	4/25/1997 deg F	4/28/1997 deg F	4/29/1997 deg F	4/30/1997 deg F	5/1/1997 deg F	5/7/1997 deg F	5/14/1997 deg F	6/13/1997 deg F	7/1/1997 deg F	7/11/1998 deg F	7/15/1997 deg F	9/17/1997 deg F	10/17/1997 deg F	12/22/1997 deg F	2/26/1998 deg F	7/14/1998 deg F
LOCATION																						
B1	40	41	45	52	65	55	56	52	60	63	62	52	59	76	-	75	73	69	55	-	35	82
B2	41	41	60	65	75	61	62	58	68	74	73	55	73	77	-	77	72	66	48	-	31	81
T1	44	45	63	80	85	63	63	61	71	79	73	57	72	78	-	79	79	VS	OFF	-	OFF	92
B3	41	41	63	68	71	59	67	60	76	78	76	60	72	77	-	78	72	66	48	-	36	81
T2	45	46	68	75	78	60	69	62	78	81	79	60	69	78	-	77	77	VS	OFF	-	OFF	82
B4	41	41	49	55	58	56	52	50	55	60	63	54	64	76	-	75	73	67	54	-	38	86
T3	46	46	66	84	71	61	66	52	74	78	76	58	66	78	-	75	76	VS	OFF	-	OFF	90
B5	40	41	52	78	76	59	72	51	76	80	79	60	58	76	-	74	73	67	53	-	38	87
B6	41	41	53	60	68	58	62	50	69	58	61	60	57	76	-	75	74	64	49	-	35	86
T4	44	45	63	74	72	62	66	52	73	77	74	60	65	80	-	78	77	VS	OFF	-	OFF	88
B7	40	41	58	66	69	56	63	48	73	73	71	58	63	77	-	75	74	69	56	-	37	86
B8	40	41	58	67	69	56	57	49	66	68	70	57	59	69	-	75	73	69	56	-	37	85
T5	45	46	66	73	74	60	65	52	71	78	77	55	66	70	-	74	76	VS	OFF	-	OFF	87
B9	41	41	64	63	69	59	69	50	64	76	75	53	66	69	-	76	76	69	52	-	38	86
T6	44	45	65	70	73	60	71	52	71	80	80	57	66	78	-	79	77	VS	OFF	-	OFF	88
B10	40	41	65	60	71	59	65	50	63	66	64	51	64	70	-	77	74	69	57	-	37	91
T7	46	46	69	68	80	60	70	51	71	80	79	55	67	72	-	77	79	VS	OFF	-	OFF	92
B11	41	41	65	65	75	56	62	48	67	77	75	52	65	70	-	77	70	65	52	-	38	90
B12	40	41	66	62	72	58	70	49	69	78	77	53	66	71	-	76	72	69	53	-	38	90
T8	44	45	70	66	76	61	70	51	71	81	80	54	65	77	-	79	75	VS	OFF	-	OFF	91
B13	40	41	66	65	74	56	73	49	68	77	75	53	65	73	-	86	79	71	56	-	39	90
B14	41	41	66	65	71	59	69	49	68	82	82	53	64	71	-	78	78	71	56	-	40	90
HEADER	-	-	-	-	-	-	-	-	75	81	80	57	73	77	-	78	77	69	55	-	36	82

**Maestri Site
Geddes, New York
pH AND MOISTURE CONTENT
Table 8**

BIOPILE 3 pH

SAMPLE ID		3A	3B	3C	3D
DATE					
2/19/1997		8.55	8.55	8.28	8.63
2/26/1997		7.73	8.47	8.44	7.93
3/6/1997		7.82	7.54	7.73	8.28

BIOPILE 3 MOISTURE CONTENT

SAMPLE ID		3A	3B	3C	3D
DATE					
2/19/1997		11.8	11.3	16.3	12.1
2/26/1997		10.8	13.4	10.1	14.2
3/6/1997		11.3	11.7	14.7	17.6

BIOPILE 4 pH

SAMPLE ID		B1	B2	B3	B4
DATE					
5/9/1997		7.15	8.04	7.97	8.75

BIOPILE 4 MOISTURE CONTENT

SAMPLE ID		B1	B2	B3	B4
DATE					
5/9/1997		13.6	13.3	15.7	12.9

BIOPILE 5 pH

SAMPLE ID		B3	B6	B9	B12
DATE					
5/9/1997		8.68	10.4	7.84	11.7

BIOPILE 5 MOISTURE CONTENT

SAMPLE ID		B3	B6	B9	B12
DATE					
5/9/1997		15.6	14.8	15.4	17.8

**Maestri Site
Geddes, New York
BIOPILE LEACHATE
Table 9**

BIOPILE 3 DRAINAGE

DATE SAMPLE NUMBER	6/3/1997 135426 ppb	7/1/1997 137428 ppb	8/5/1997 140369 ppb	9/2/1997 142384 ppb	10/7/1997 145002 ppb	11/4/1997 147248 ppb	12/2/1997 149368 ppb
EPA 601 Scan							
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
EPA 602 Scan							
Benzene	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND
m-Xylene and p-Xylene	35	40	27	20	8.2	6.2	ND
o-Xylene	12	87	71	84	38	26	20

**Maestri Site
Geddes, New York
BIOPILE LEACHATE
Table 9**

BIOPILE 4 DRAINAGE

DATE SAMPLE NUMBER	6/3/1997 135427 ppb	7/1/1997 137429 ppb	8/5/1997 140370 ppb	9/2/1997 142385 ppb	10/7/1997 145003 ppb	11/4/1997 147249 ppb	12/2/1997 149369 ppb
EPA 601 Scan							
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
EPA 602 Scan							
Benzene	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	23
m-Xylene and p-Xylene	80	20	27	8.2	19	12	31
o-Xylene	29	43	104	40	54	26	45

**Maestri Site
Geddes, New York
BIOPILE LEACHATE
Table 9**

BIOPILE 5 DRAINAGE

DATE SAMPLE NUMBER	6/3/1997 135428 ppb	7/1/1997 137430 ppb	8/5/1997 140371 ppb	9/2/1997 142386 ppb	10/7/1997 145004 ppb	11/4/1997 147250 ppb	12/2/1997 149370 ppb
EPA 601 Scan							
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
EPA 602 Scan							
Benzene	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND
m-Xylene and p-Xylene	6.9	ND	ND	ND	ND	ND	ND
o-Xylene	ND	12	ND	ND	ND	ND	20

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Decon Pads
Table 10

Sample ID Date Sample Number	DCP #1 9-Sep-99 198027 mg/kg Dry	DP-NW 13-Sep-99 198192 mg/kg Dry	DP-SW 13-Sep-99 198193 mg/kg Dry	DP-EW 13-Sep-99 198194 mg/kg Dry	DP-6S 13-Sep-99 198196 mg/kg Dry	DP-8S 13-Sep-99 198197 mg/kg Dry	DP-WW 13-Sep-99 198195 mg/kg Dry	DP-C10 13-Sep-99 198198 mg/kg Dry	DP-8N 13-Sep-99 198199 mg/kg Dry	DP-6N 13-Sep-99 198200 mg/kg Dry	DP-EW2 15-Sep-99 198338 mg/kg Dry	LDP-1 1-Oct-99 199639 mg/kg Dry	LDP-2 1-Oct-99 199340 mg/kg Dry	LDP-3 1-Oct-99 199641 mg/kg Dry	LDP-4 1-Oct-99 199642 mg/kg Dry
PERCENT SOLIDS	85	88	89	88	90	90	89	90	88	92	88	90	88	89	91
EPA 8010 SCAN															
DICHLORODIFLUOROMETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2- CHLOROETHYL VINYL ETHER	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLORO BENZENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN															
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	1030	ND	ND	50	ND	ND	0.62	ND	0.32	ND	ND	ND	ND	ND	ND
TOTAL VOC	1030	0	0	50	0	0	0.62	0	0.32	0	0	0	0	0	0

ND non detect

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
Decon Pads
Table 10

Sample ID Date Sample Number	DP-SNW 13-Sep-99 198201 mg/kg Dry	DP-SSW 13-Sep-99 198202 mg/kg Dry	DP-SEW 13-Sep-99 198203 mg/kg Dry	DP-SWW 13-Sep-99 198204 mg/kg Dry	DP-SB 13-Sep-99 114760 mg/kg Dry	LDP-S1 1-Oct-99 199643 mg/kg Dry	LDP-S2 1-Oct-99 199644 mg/kg Dry	LDP-S3 1-Oct-99 199645 mg/kg Dry
PERCENT SOLIDS	90	90	91	88	90	90	87	90
EPA 8270 BASE NEUTRALS								
ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (K) FLOURANTHENE	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	ND	1.1	2.7	ND	0.96	ND	ND	0.63
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
3, 3 ' -DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
Decon Pads
Table 10

Sample ID Date Sample Number	DP-SNW 13-Sep-99 198201	DP-SSW 13-Sep-99 198202	DP-SEW 13-Sep-99 198203	DP-SWW 13-Sep-99 198204	DP-SB 13-Sep-99 114760	LDP-S1 1-Oct-99 199643	LDP-S2 1-Oct-99 199644	LDP-S3 1-Oct-99 199645
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8270 ACIDS								
PHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOC	0	1.1	2.7	0	0.96	0	0	0.63

ND non detect

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Subsurface Boipile 3 4
Table 10

Sample ID Date Sample Number	P4-SSA 16-Dec-98 179339	P4-SSB 16-Dec-98 179340	P4-SSC 16-Dec-98 179341	P4-SSD 16-Dec-98 179342	BP3-SSA 7-Nov-97 147596	BP3-SSB 7-Nov-97 147597	BP3-SSC 7-Nov-97 147598	BP3-SSD 7-Nov-97 147599	BP3-SSE 7-Nov-97 147600
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
PERCENT SOLIDS	89	84	82	86	NA	NA	NA	NA	NA
EPA 8010 SCAN									
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN									
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOC	0	0	0	0	0	0	0	0	0

ND non detect

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
Subsurface Biopile 3 4
Table 10

Sample ID Date Sample Number	P4-SSA 16-Dec-98 179339 mg/kg Dry	P4-SSB 16-Dec-98 179340 mg/kg Dry	P4-SSC 16-Dec-98 179341 mg/kg Dry	P4-SSD 16-Dec-98 179342 mg/kg Dry	SS2-L-S 1-May-97 133254 mg/kg Dry	SS3-R-E 1-May-97 133255 mg/kg Dry	SS4-E 1-May-97 133256 mg/kg Dry	BP3-SS1 7-Nov-97 147601 mg/kg Dry
PERCENT SOLIDS	89	84	82	86	85	88	90	NA
EPA 8270 BASE NEUTRALS								
ACENAPHTHENE	ND	ND	ND	ND	0.14	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	0.74	0.37	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	0.13	0.47	ND	ND	ND
BENZO (B) FLUORANTHENE	ND	ND	ND	0.081	0.31	ND	ND	ND
BENZO (K) FLUORANTHENE	ND	ND	ND	0.1	0.32	ND	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	0.5	ND	ND	ND
BENZO (A) PYRENE	ND	ND	ND	0.1	0.56	ND	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	0.12	0.46	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	1.8	6.2	4.8	ND	ND	ND	ND	3.1
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
3, 3'-DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	0.35	0.83	0.17	ND	ND
FLUORENE	ND	ND	ND	ND	0.14	ND	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	0.52	ND	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	0.07	ND	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	0.19	0.74	0.16	ND	ND
PYRENE	ND	ND	ND	0.23	0.57	0.2	ND	ND
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8270 ACIDS								
PHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	0.7	ND	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL SVOC	1.8	6.2	4.8	2.04	6.7	0.53	0	3.1

ND non detect

Maestri Site
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WELL SAMPLING RESULTS
Table 11

Sample ID Date Sample Number	RW-107 30-Jan-97 127692	RW-108 30-Jan-97 127693
	ug/L	ug/L
EPA 8270 BASE NEUTRALS		
BUTYL BENZYL PHTHALATE	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE	ND	ND
EPA 8270 ACIDS		
PHENOL	ND	ND
2-CHLOROPHENOL	ND	ND
O-CRESOL (2-METHYLPHENOL)	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND
2-NITROPHENOL	ND	ND
2, 4-DIMETHYLPHENOL	ND	ND
2, 4-DICHLOROPHENOL	ND	ND
BENZOIC ACID	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND
2, 4-DINITROPHENOL	ND	ND
4-NITROPHENOL	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND
PENTACHLOROPHENOL	ND	ND
EPA 601		
BENZENE	ND	ND
BROMOFORM	ND	ND
BROMOMETHANE	ND	ND
CARBON TETRACHLORIDE	ND	ND
CHLOROETHANE	ND	ND
CHLOROETHANE	ND	ND
CHLOROFORM	ND	ND
CHLOROMETHANE	ND	ND
2-CHLOROETHYL VINYLETHER	ND	ND
DIBROMOCHLOROMETHANE	ND	ND
DICHLORODIFLUOROMETHANE	ND	ND
1,2-DICHLOROETHANE	ND	ND
1,1-DICHLOROETHENE	ND	ND
TRANS-1,2-DICHLOROETHENE	ND	ND
1,2-DICHLOROPROPANE	ND	ND
CIS-1,3-DICHLOROPROPENE	ND	ND
TRANS-1,3-DICHLOROPROPENE	ND	ND
METHYLENE CHLORIDE	ND	ND
1,1,2,2-TETRACHLOROETHANE	ND	ND
TETRACHLOROETHENE	ND	ND
TOLUENE	ND	ND
1,1,2-TRICHLOROETHANE	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND
TRICHLOROETHENE	ND	ND
VINYL CHLORIDE	ND	ND
TOTAL XYLENES	5.7	14.4
1,3-DICHLOROBENZENE	ND	ND
1,4-DICHLOROBENZENE	ND	ND
1,2-DICHLOROBENZENE	ND	ND

ND not detected

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WELL SAMPLING RESULTS
Table 11 (Continued)

Sample ID Date Sample Number	RW-107 4-Feb-97 128060	RW-108 4-Feb-97 128061
	mg/L	mg/L
HERB/PESTICIDES	ND	ND
PCBS	ND	ND
METALS	ND	ND
ALUMINIUM	ND	ND
ANTIMONY	ND	0.48
ARSENIC	ND	ND
BARIUM	0.22	0.28
BERYLLIUM	ND	ND
CADMIUM	ND	ND
CALCIUM	111	121
CHROMIUM	ND	ND
COBALT	ND	ND
COPPER	ND	ND
IRON	5.5	13.4
LEAD	0.001	0.001
MAGNESIUM	29.5	36.4
MERCURY	ND	ND
NICKEL	ND	ND
POTASSIUM	2.8	2.6
SELENIUM	ND	ND
SILVER	ND	ND
SODIUM	13.5	ND
THALLIUM	ND	ND
VANADIUM	ND	ND
ZINC	ND	ND

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WELL SAMPLING RESULTS
Table 11 (Continued)

Sample ID Date Sample Number	RW-5 30-Jun-99 192691	RW-6 30-Jun-99 192692	MW-5 30-Jun-99 192701	MW-10 30-Jun-99 192702	MW-12 30-Jun-99 192703	MW-14 30-Jun-99 192704	MW-16 30-Jun-99 192705	MW-17 30-Jun-99 192706	MW-18 30-Jun-99 192707	MW-20 30-Jun-99 192688
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
EPA 8270 BASE NEUTRALS										
ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3, 3' -DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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WELL SAMPLING RESULTS
Table 11 (Continued)

Sample ID Date Sample Number	RW-2 1-Jul-99 192689 ug/L	RW-3 1-Jul-99 192690 ug/L	RW-7 1-Jul-99 192693 ug/L	RW-8 1-Jul-99 192694 ug/L	PZ-6 1-Jul-99 192699 ug/L	PZ-9 1-Jul-99 192695 ug/L	PZ-10 1-Jul-99 192696 ug/L	PZ-12 1-Jul-99 192697 ug/L	PZ-14 1-Jul-99 192698 ug/L	MW-9 1-Jul-99 192700 ug/L
EPA 8270 BASE NEUTRALS										
ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PHTHALATE	ND	ND	ND	ND	ND	ND	5.3	ND	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3, 3' -DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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WELL SAMPLING RESULTS
Table 11 (Continued)

Sample ID Date Sample Number	RW-5 30-Jun-99 192691 ug/L	RW-6 30-Jun-99 192692 ug/L	MW-5 30-Jun-99 192701 ug/L	MW-10 30-Jun-99 192702 ug/L	MW-12 30-Jun-99 192703 ug/L	MW-14 30-Jun-99 192704 ug/L	MW-16 30-Jun-99 192705 ug/L	MW-17 30-Jun-99 192706 ug/L	MW-18 30-Jun-99 192707 ug/L	MW-20 30-Jun-99 192688 ug/L
EPA 8270 ACIDS										
PHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8260										
ACETONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-BUTANONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYLETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-HEXANONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
STYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-TETRACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL ACETATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	3700	685	ND	ND	ND	ND	ND	ND	ND	ND
1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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WELL SAMPLING RESULTS
Table 11 (Continued)

Sample ID Date Sample Number	RW-2 1-Jul-99 192689	RW-3 1-Jul-99 192690	RW-7 1-Jul-99 192693	RW-8 1-Jul-99 192694	PZ-6 1-Jul-99 192699	PZ-9 1-Jul-99 192695	PZ-10 1-Jul-99 192696	PZ-12 1-Jul-99 192697	PZ-14 1-Jul-99 192698	MW-9 1-Jul-99 192700
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
EPA 8270 ACIDS										
PHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL	14	ND	ND	ND	ND	ND	ND	ND	ND	14
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8260										
ACETONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-BUTANONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROETHYL VINYLETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	22	ND	ND	ND	ND	ND	ND	180	1	ND
2-HEXANONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
STYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-TETRACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	17	1.4	ND
1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL ACETATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	10700	ND	165	ND	34	20	ND	3260	10	11700
1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Maestri Site
Geddes, New York
WELL SAMPLING RESULTS
Table 11 (Continued)

TOTAL XYLENE (ug/L)

Sample Location	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99
RW-2	5000	8500	5450	7600	10400	3500
RW-3	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
RW-4	---	---	< 3.0	< 5.0	< 3.0	3
RW-5	65	88	< 3.0	3.5	14	89
RW-6	205	97	104	68	98	260
RW-7	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
RW-8	---	---	---	---	---	< 500
MW-9	---	---	---	---	---	< 500
PZ-6	---	---	---	---	---	< 500
PZ-9	---	---	---	---	---	< 500
PZ-10	---	---	---	---	---	< 500
PZ-12	---	---	---	---	---	< 500
PZ-14	---	---	---	---	---	18

Maestrri Site
Geddes, New York
VOC / SVOC Sampling
Soil Boring Results
Table 12

Sample ID	PSB-1	PSB-1	PSB-2	PSB-2	PSB-3	PSB-3
Date	16-18' BGS	24-25' BGS	17-19' BGS	21-22.5' BGS	17-19' BGS	23-24' BGS
Sample Number	06-Feb-97	06-Feb-97	07-Feb-97	07-Feb-97	07-Feb-97	07-Feb-97
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN						
DICHLORODIFLOUROMETHANE	ND	ND	ND	ND	NA	ND
CHLOROMETHANE	ND	ND	ND	ND	NA	ND
VINYL CHLORIDE	ND	ND	ND	ND	NA	ND
BROMOMETHANE	ND	ND	ND	ND	NA	ND
CHLOROETHANE	ND	ND	ND	ND	NA	ND
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	NA	ND
1, 1-DICHLOROETHENE	ND	ND	ND	ND	NA	ND
METHYLENE CHLORIDE	ND	ND	ND	ND	NA	ND
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	NA	ND
1, 1-DICHLOROETHANE	ND	ND	ND	ND	NA	ND
CHLOROFORM	ND	ND	ND	ND	NA	ND
1, 1, 1-TRICHLOROETHANE	ND	ND	ND	ND	NA	ND
CARBON TETRACHLORIDE	ND	ND	ND	ND	NA	ND
1, 2-DICHLOROETHANE	ND	ND	ND	ND	NA	ND
TRICHLOROETHENE	ND	ND	ND	ND	NA	ND
1, 2-DICHLOROPROPANE	ND	ND	ND	ND	NA	ND
BROMODICHLOROMETHANE	ND	ND	ND	ND	NA	ND
CIS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	NA	ND
TRANS-1, 3-DICHLOROPROPENE	ND	ND	ND	ND	NA	ND
2- CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	NA	ND
1, 1, 2-TRICHLOROETHANE	ND	ND	ND	ND	NA	ND
TETRACHLOROETHENE	ND	ND	ND	ND	NA	ND
DIBROMOCHLOROMETHANE	ND	ND	ND	ND	NA	ND
CHLOROBENZENE	ND	ND	ND	ND	NA	ND
BROMOFORM	ND	ND	ND	ND	NA	ND
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	ND	ND	NA	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	NA	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	NA	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	NA	ND
EPA 8020 SCAN						
BENZENE	ND	ND	ND	ND	NA	ND
TOLUENE	ND	ND	ND	ND	NA	ND
ETHYLBENZENE	ND	ND	ND	ND	NA	ND
TOTAL XYLENES	0.44	5.3	0.74	0.66	NA	0.57
TOTAL VOCs	0.44	5.3	0.74	0.66	NA	0.57

ND- not detected
NA- results not available

Maes... site
Geddes, New York
VOC/SVOC Sampling Results
Table 12

Sample ID	PSB-1 16-18' BGS 06-Feb-97	PSB-1 24-25' BGS 06-Feb-97	PSB-2 17-19' BGS 07-Feb-97	PSB-2 21-22.5' BGS 07-Feb-97	PSB-3 17-19' BGS 07-Feb-97	PSB-3 23-24' BGS 07-Feb-97
Date Sample Number	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8270 BASE NEUTRALS						
ACENAPHTHENE	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	ND	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE	ND	ND	ND	ND	ND	ND
BENZIDINE	ND	ND	ND	ND	ND	ND
BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	ND	ND	ND	ND	ND	ND
BIS (S-ETHYLHEXYL) PHTHALATE	ND	ND	ND	ND	ND	ND
BROMOPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND
CHLOROPHENYLPHENYL ETHER	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND
3, 3' -DICHLOROBENZIDINE	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	ND	ND	ND	ND	ND	ND
2, 4-DINITROTOLUENE	ND	ND	ND	ND	ND	ND
2, 6-DINITROTOLUENE	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND
FLUORENE	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	ND	ND	ND	ND	ND	ND
INDENO (1, 2, 3-CD) PYRENE	ND	ND	ND	ND	ND	ND
ISOPHORONE	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND	ND
NITROBENZENE	ND	ND	ND	ND	ND	ND
N-NITROSODI-N-PROPYLAMINE	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	ND	ND	ND	ND	ND	ND
N-NITROSODIMETHYLAMINE	ND	ND	ND	ND	ND	ND
1, 2-DIPHENYLHYDRAZINE	ND	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND
1, 2, 4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND
EPA 8270 ACIDS	ND	ND	ND	ND	ND	ND
PHENOL	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND
O-CRESOL (2-METHYLPHENOL)	ND	ND	ND	ND	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	ND	ND
2-NITROPHENOL	ND	ND	ND	ND	ND	ND
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND
2, 4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND
2, 4, 6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND
2, 4, 5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND
2, 4-DINITROPHENOL	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	ND	ND	ND	ND	ND	ND
2-METHYL-4, 6-DINITROPHENOL	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND
Total SVOCs	ND	ND	ND	ND	ND	ND

ND - not detected
NA results not available

Maestri Site
Geddes, New York
VOC SAMPLING RESULTS
Table 13
FDGT1 EE, SPLITS

Sample ID Date Sample Number	E&E		E&E		E&E		E&E		E&E	
	BP3-5 15-Jun-99 191691	3/5/1999 15-Jun-99 300347	BP5-4 15-Jun-99 191713	5-4-99 15-Jun-99 300348	MVW-05-06 18-Mar-97 130488	MVW-05-06 18-Mar-97	MSP-06-2A 27-Jun-96	MSP-06-2A695 27-Jun-96	MVF01-03 28-Aug-96	MVF01-03-896 28-Aug-96
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN										
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN										
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	5.7	0.96
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	7.9	1.1
TOTAL XYLENES	8	0.5	12.8	3.8	1.5	1.0	1.7	0.3	660.0	163.0

Sample ID Date Sample Number	E&E		E&E		E&E		E&E		E&E	
	MW-03-05 14-Jan-97	MW-03-05-01-9 14-Jan-97	B-1 5-Mar-97	B-1 5-Mar-97	D-3 5-Mar-97	D-3 5-Mar-97	BP1-B1 31-Jan-07	MBP1 B-1 31-Jan-07	BP1-D2 31-Jan-07	MBP1 D2 31-Jan-07
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN										
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPA 8020 SCAN										
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	0.24	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENES	13.0	1.7	3.0	0.6	0.5	3.7	0.18	0.02	0.2	0.013

Sample ID Date Sample Number	E&E		E&E	
	BP2-C1 31-Jan-07	MBP2 C1 31-Jan-07	BP2-D3 31-Jan-07	MBP2 D3 31-Jan-07
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN				
TRANS-1, 2-DICHLOROETHENE	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND
EPA 8020 SCAN				
BENZENE	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND
TOTAL XYLENES	0.4	0.05	3.7	0.5

NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
SVOC SAMPLING RESULTS
Table 13
FDGTI E E SPLITS

Sample ID Date Sample Number	E&E		E&E		E&E		E&E		E&E		E&E	
	BP3-5	3/5/1999	BP5-4	5/4/1999	MVW-05-06	MVW-05-06	MW-03-05	MW-03-05-01-97	B-1	B-1	D-3	D-3
	15-Jun-99 191691	15-Jun-99 300347	15-Jun-99 191713	15-Jun-99 300348	18-Mar-97 130488	18-Mar-97	14-Jan-97	14-Jan-97	5-Mar-97	5-Mar-97	5-Mar-97	5-Mar-97
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8270 ACIDS												
O-CRESOL (2-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	1.1	0.3	ND	ND
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZOIC ACID	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID Date Sample Number	E&E		E&E		E&E		E&E		E&E		E&E	
	D-2	D-2	C-1	C-1	BP1-BC	MBP1 B-1	BP1-DC	MBP1 D2	BP2-CC	MBP2 C1	BP2-DC	MBP2 D3
	5-Mar-97	5-Mar-97	5-Mar-97	5-Mar-97	31-Jan-07	31-Jan-07	31-Jan-07	31-Jan-07	31-Jan-07	31-Jan-07	31-Jan-07	31-Jan-07
	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8270 ACIDS												
O-CRESOL (2-METHYLPHENOL)	0.94	1.0	0.94	ND	0.83	1.2	1.7	1.0	1.0	0.75	NA	1.60
P-CRESOL (4-METHYLPHENOL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
2, 4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
BENZOIC ACID	NA	NA	NA	NA	ND	NA	ND	NA	ND	NA	NA	NA

NA Not analyzed / Not available at time of generating report
ND Not detected

Maestri Site
Geddes, New York
VOC / SVOC
Verification Sampling Results
Table 14

Sample ID	MVFA-2	MVFB-1	MVFB-2	MVFB-3	MVFB-4	MVFB-5	MVFB-6	MVFB-7	MVFB-8	MVW 03-5	MVW 04	MVW 05-6
Date	31-Dec-96	21-Jan-97	21-Jan-97	23-Oct-96	8-Oct-96	8-Oct-96	10-Oct-96	10-Oct-96	30-Oct-96	14-Jan-97	21-Jan-97	18-Mar-97
Sample Number	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN												
DICHLORODIFLUOROMETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
CHLOROMETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
VINYL CHLORIDE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
BROMOMETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
CHLOROETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
TRICHLOROFLUOROMETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1-DICHLOROETHENE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
METHYLENE CHLORIDE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
TRANS-1,2-DICHLOROETHENE*	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1-DICHLOROETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
CHLOROFORM	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1,1-TRICHLOROETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
CARBON TETRACHLORIDE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2-DICHLOROETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
TRICHLOROETHENE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2-DICHLOROPROPANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
BROMODICHLOROMETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
CIS-1,3-DICHLOROPROPENE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
TRANS-1,3-DICHLOROPROPENE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
2-CHLOROETHYL VINYL ETHER	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1,2-TRICHLOROETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
TETRACHLOROETHENE*	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
DIBROMOCHLOROMETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
CHLOROBENZENE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
BROMOFORM	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1,2,2-TRICHLOROETHANE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,3-DICHLOROBENZENE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,4-DICHLOROBENZENE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2-DICHLOROBENZENE	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
EPA 8020 SCAN												
BENZENE*	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
TOLUENE*	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
ETHYLBENZENE*	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
TOTAL XYLENES*	1.6	ND**	ND**	0.58	0.038	ND	0.57	ND	ND	13	ND**	1.5
TOTAL VOCs	1.6	NA	NA	0.58	0.038	ND	0.57	ND	ND	13	NA	1.5

Sample ID code: MS = Maestri Site

MVW01-1 = Wall 01 (1st sample)

MVFO1-1 = Floor 01 (1st sample)

MVFO2-1 = Floor 02 (1st sample)

MTB01 = trip blank 01

* Site COC

** Results obtained from FDGTI Sample location Map dated 1/21/97

NA data not available at time of generating the report and previously submitted to NYSDEC.

Maestri Site
Geddes, New York
VOC / SVOC
Verification Sampling Results
Table 14

Sample ID	MVW 06-2	MVW 07-2	MVW 08	MVW 09	MVW 10 (A/B)	MVW 11	MVW 12-1	MVW 12-2	MVW 13-2	MVW 14-2	MVW 15	MVW 16
Date	23-Oct-96	23-Oct-96	18-Oct-96	9-Oct-96	23-Oct-96	9-Oct-96	9-Oct-96	30-Oct-96	30-Oct-96	30-Oct-96	30-Oct-96	22-Oct-96
Sample Number	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN												
DICHLORODIFLUOROMETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
CHLOROMETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
VINYL CHLORIDE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
BROMOMETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
CHLOROETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
TRICHLOROFLUOROMETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 1-DICHLOROETHENE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
METHYLENE CHLORIDE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
TRANS-1, 2-DICHLOROETHENE*	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 1-DICHLOROETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
CHLOROFORM	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 1, 1-TRICHLOROETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
CARBON TETRACHLORIDE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 2-DICHLOROETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
TRICHLOROETHENE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 2-DICHLOROPROPANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
BROMODICHLOROMETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
CIS-1, 3-DICHLOROPROPENE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
TRANS-1, 3-DICHLOROPROPENE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
2-CHLOROETHYL VINYL ETHER	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 1, 2-TRICHLOROETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
TETRACHLOROETHENE*	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
DIBROMOCHLOROMETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
CHLOROBENZENE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
BROMOFORM	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 1, 2, 2-TRICHLOROETHANE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 3-DICHLOROBENZENE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 4-DICHLOROBENZENE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
1, 2-DICHLOROBENZENE	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
EPA 8020 SCAN												
BENZENE*	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
TOLUENE*	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
ETHYLBENZENE*	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	NA
TOTAL XYLENES*	0.37	ND	ND**	0.47	1.0/0.93	ND	ND**	ND	ND	ND	0.64	ND**
TOTAL VOCs	0.37	ND	NA	0.47	1.0/0.93	ND	NA	ND	ND	ND	0.64	NA

Sample ID code: MS = Maestri Site

MVW01-1 = Wall 01 (1st sample)

MVF01-1 = Floor 01 (1st sample)

MVF02-1 = Floor 02 (1st sample)

MTB01 = trip blank 01

* Site COC

** Results obtained from FDGT Sample location

NA data not available at time of generating the report

Maestri Site
Geddes, New York
VOC / SVOC
Verification Sampling Results
Table 14

Sample ID	MVW 17	MVW 18-N	MVW 19	MVW 19-VW	MVWEX2-FLR	MVWEX2-N	MVWEX2-S	MVWEX2-W
Date	22-Oct-96	22-Jan-97	29-Oct-96	22-Jan-97	23-Dec-96	23-Dec-96	23-Dec-96	23-Dec-96
Sample Number	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry	mg/kg Dry
EPA 8010 SCAN								
DICHLORODIFLUOROMETHANE	NA	NA	ND	NA	ND	ND	ND	ND
CHLOROMETHANE	NA	NA	ND	NA	ND	ND	ND	ND
VINYL CHLORIDE	NA	NA	ND	NA	ND	ND	ND	ND
BROMOMETHANE	NA	NA	ND	NA	ND	ND	ND	ND
CHLOROETHANE	NA	NA	ND	NA	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	NA	NA	ND	NA	ND	ND	ND	ND
1, 1-DICHLOROETHENE	NA	NA	ND	NA	ND	ND	ND	ND
METHYLENE CHLORIDE	NA	NA	ND	NA	ND	ND	ND	ND
TRANS-1, 2-DICHLOROETHENE*	NA	NA	ND	NA	ND	ND	ND	ND
1, 1-DICHLOROETHANE	NA	NA	ND	NA	ND	ND	ND	ND
CHLOROFORM	NA	NA	ND	NA	ND	ND	ND	ND
1, 1, 1-TRICHLOROETHANE	NA	NA	ND	NA	ND	ND	ND	ND
CARBON TETRACHLORIDE	NA	NA	ND	NA	ND	ND	ND	ND
1, 2-DICHLOROETHANE	NA	NA	ND	NA	ND	ND	ND	ND
TRICHLOROETHENE	NA	NA	ND	NA	ND	ND	ND	ND
1, 2-DICHLOROPROPANE	NA	NA	ND	NA	ND	ND	ND	ND
BROMODICHLOROMETHANE	NA	NA	ND	NA	ND	ND	ND	ND
CIS-1, 3-DICHLOROPROPENE	NA	NA	ND	NA	ND	ND	ND	ND
TRANS-1, 3-DICHLOROPROPENE	NA	NA	ND	NA	ND	ND	ND	ND
2-CHLOROETHYL VINYL ETHER	NA	NA	ND	NA	ND	ND	ND	ND
1, 1, 2-TRICHLOROETHANE	NA	NA	ND	NA	ND	ND	ND	ND
TETRACHLOROETHENE*	NA	NA	ND	NA	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	NA	NA	ND	NA	ND	ND	ND	ND
CHLORO BENZENE	NA	NA	ND	NA	ND	ND	ND	ND
BROMOFORM	NA	NA	ND	NA	ND	ND	ND	ND
1, 1, 2, 2-TRICHLOROETHANE	NA	NA	ND	NA	ND	ND	ND	ND
1, 3-DICHLOROBENZENE	NA	NA	ND	NA	ND	ND	ND	ND
1, 4-DICHLOROBENZENE	NA	NA	ND	NA	ND	ND	ND	ND
1, 2-DICHLOROBENZENE	NA	NA	ND	NA	ND	ND	ND	ND
EPA 8020 SCAN								
BENZENE*	NA	NA	ND	NA	ND	ND	ND	ND
TOLUENE*	NA	NA	ND	NA	ND	ND	ND	ND
ETHYLBENZENE*	NA	NA	ND	NA	ND	ND	ND	ND
TOTAL XYLENES*	0.72	ND**	0.61	ND**	ND	ND	ND	ND
TOTAL VOCs	NA	NA	ND	NA	ND	ND	ND	ND

Sample ID code: MS = Maestri Site

MVW01-1 = Wall 01 (1st sample)

MVF01-1 = Floor 01 (1st sample)

MVF02-1 = Floor 02 (1st sample)

MTB01 = trip blank 01

* Site COC

** Results obtained from FDGTI Sample location

NA data not available at time of generating the report

Table 15
Maestri Site
Air Treatment System Sampling

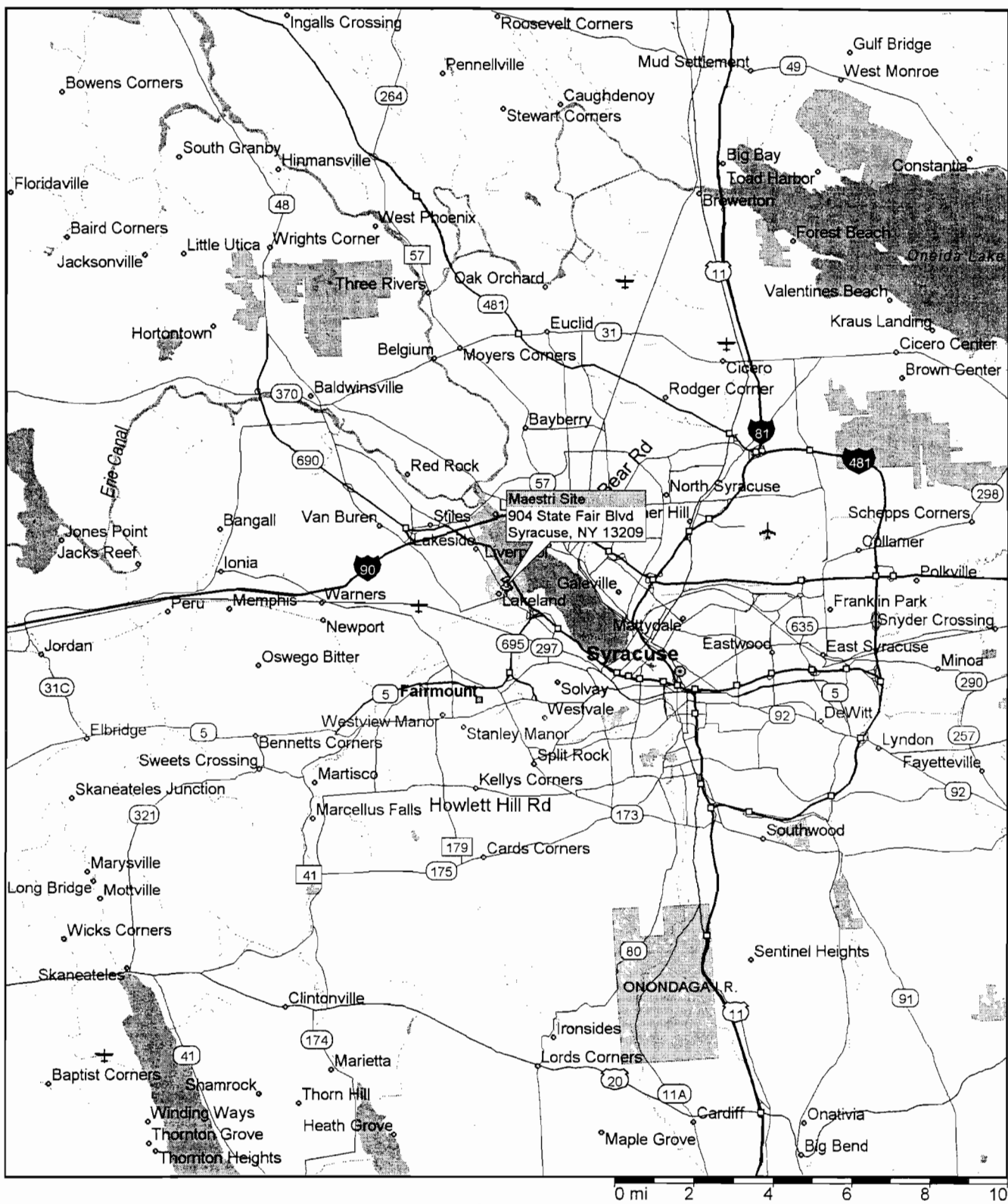
Sample ID	Date Sampled	Benzene ppbv	Ethyl Benzene ppbv	Toluene ppbv	Xylene ppbv	1,2-Dichloroethylene ppbv	Tetrachloroethylene ppbv	Trichloroethylene ppbv	Methylene Chloride ppbv
Intake (before carbon treatment)	05/09/97	<0.02	<0.21	<0.21	<0.21	<0.21	<0.21		
	05/14/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	06/13/97	<4.2	<41.7	<41.7	115	<62.5	<104.2		
	07/11/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	08/15/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	09/12/97	<4.2	<41.7	<41.7	185	<62.5	<104.2		
	10/17/97	<4.2	<41.7	<41.7	156	<62.5	<104.2		
	11/21/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	12/22/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	01/21/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	02/26/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	04/01/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	05/01/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	07/14/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
Exhaust (after carbon treatment)	07/31/96	ND	ND	ND	ND	ND	ND	ND	ND
	08/09/96	ND	ND	ND	ND	ND	ND	ND	ND
	08/15/96	ND	0.28	0.079	10.9	ND	ND	0.07	0.13
	08/22/96	ND	ND	ND	ND	ND	ND	ND	ND
	08/30/96	ND	ND	ND	ND	ND	ND	ND	ND
	09/05/96	ND	ND	ND	ND	ND	ND	ND	ND
	09/13/96	ND	ND	ND	ND	ND	ND	ND	ND
	05/09/97	<0.02	<0.21	<0.21	<0.21	<0.21	<0.21		
	05/14/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	06/13/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	07/11/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	08/15/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	09/15/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	10/17/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	11/21/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	12/22/97	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	01/21/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	02/26/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	04/01/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	05/01/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	07/14/98	<4.2	<41.7	<41.7	<83.3	<62.5	<104.2		
	NYDEC Limits (ppmv)	0.59	754.7	1455.5	727.8	3022.1	372.2	387.5	745.1
	Fluor Daniel GTI Limits (ppmv)	0.3	377.35	727.75	363.9	1511.05	186.1	193.75	372.55

APPENDIX A

DRAWINGS

<u>Drawing</u>	<u>Name</u>	<u>Date</u>	<u>By</u>
Figure 1	Site Location Map	--	--
FIG 2	Site Topographic Map	5/17/94	O'Brien & Gere
22F	Monitoring Well Locations	1/12/95	O'Brien & Gere
FIG 1	Location Of Recovery Wells	2/2/96	O'Brien & Gere
	Typical Recovery Well		O'Brien & Gere
0334-ENC	Construction Water Management Plan	5/13/96	Fluor Daniel GTI
0334-CWT	Construction Water Treatment Detail Drawing	NA	Fluor Daniel GTI
NA	Process Flow Diagram Temporary Treatment System	NA	IT - M. Sykes
0334-ESP	Excavation Sampling Plan	5/23/96	GT Engineering
0334-STG	Excavation Staging Plan	5/23/96	GT Engineering
	Excavation Sketch and Size of Excavation		
SKETCH 1	Building Site Plan	6/24/96	SPEC
SKETCH 1	Building Contingency Plan Schematics - Option 1	6/24/96	SPEC
SKETCH 2	Building Contingency Plan Schematics - Option 2 And 3	6/24/96	SPEC
0531-BIO	Biopile Construction Detail	9/19/96	Fluor Daniel GTI
	Biopile Detail		Fluor Daniel GTI
0531-PLN	Piping Detail Bio/Sve Soil Pile	9/24/96	Fluor Daniel GTI
0531-STA	Site Map With Bio/Sve Soil Pile Locations	9/24/96	Fluor Daniel GTI
0531-STA	Site Map With Biopile 4 Location	8/5/96	Fluor Daniel GTI
0531-C	Contour Map With Secondary Excavation	1/21/97	Fluor Daniel GTI
0531-SUM	Sample Location Map	1/21/97	Fluor Daniel GTI
0531-AIR	Site Map With Air Monitoring And Sampling Locations	9/5/97	GT Engineering
S-1	Site Closure Plan	8/10/99	SPEC
D-1	Biocell Closure Details	8/20/99	SPEC
FIG 1	Injection Well Locations For Chemical Oxidation	10/11/99	SPEC
	Final Topographic Survey	9/8/99	CT Male

Site Location Map



Microsoft Expedia

Streets98

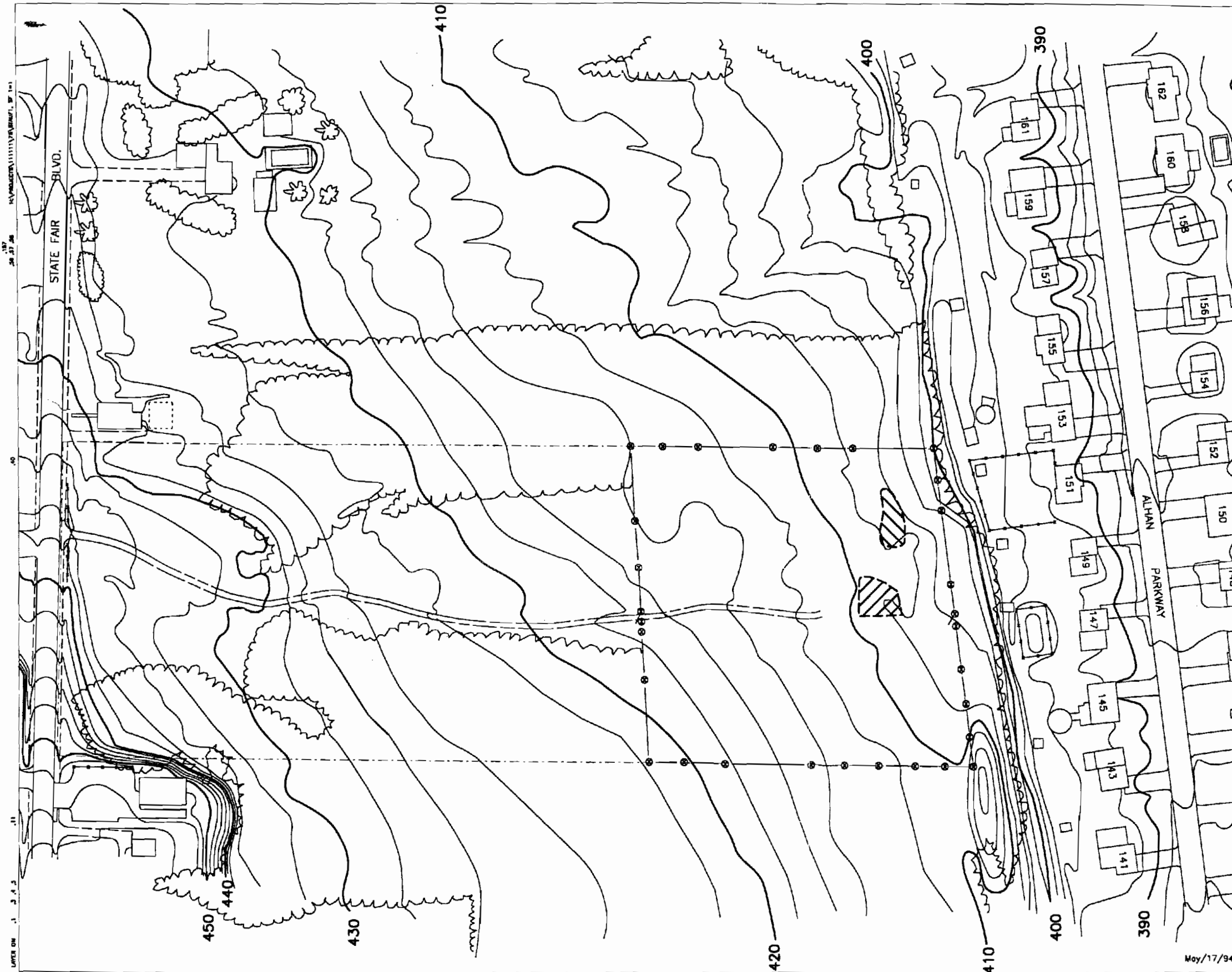
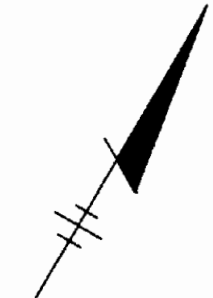


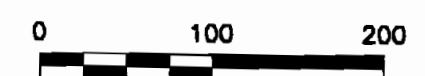
FIGURE 2
 ANOMALY EXCAVATION AND REMOVAL
 MAESTRI SITE
 904 STATE FAIR BLVD.
 TOWN OF GEDDES, NEW YORK

SITE TOPOGRAPHIC MAP



LEGEND

- TREE LINE
- ACCESS ROAD
- FENCE
- 8' HIGH SECURITY FENCE
- MAESTRI SITE PROPERTY BOUNDARY
- RESIDENCE
- APPROXIMATE LIMITS OF 1987 EXCAVATION
- APPROXIMATE LIMITS OF 1990 EXCAVATION

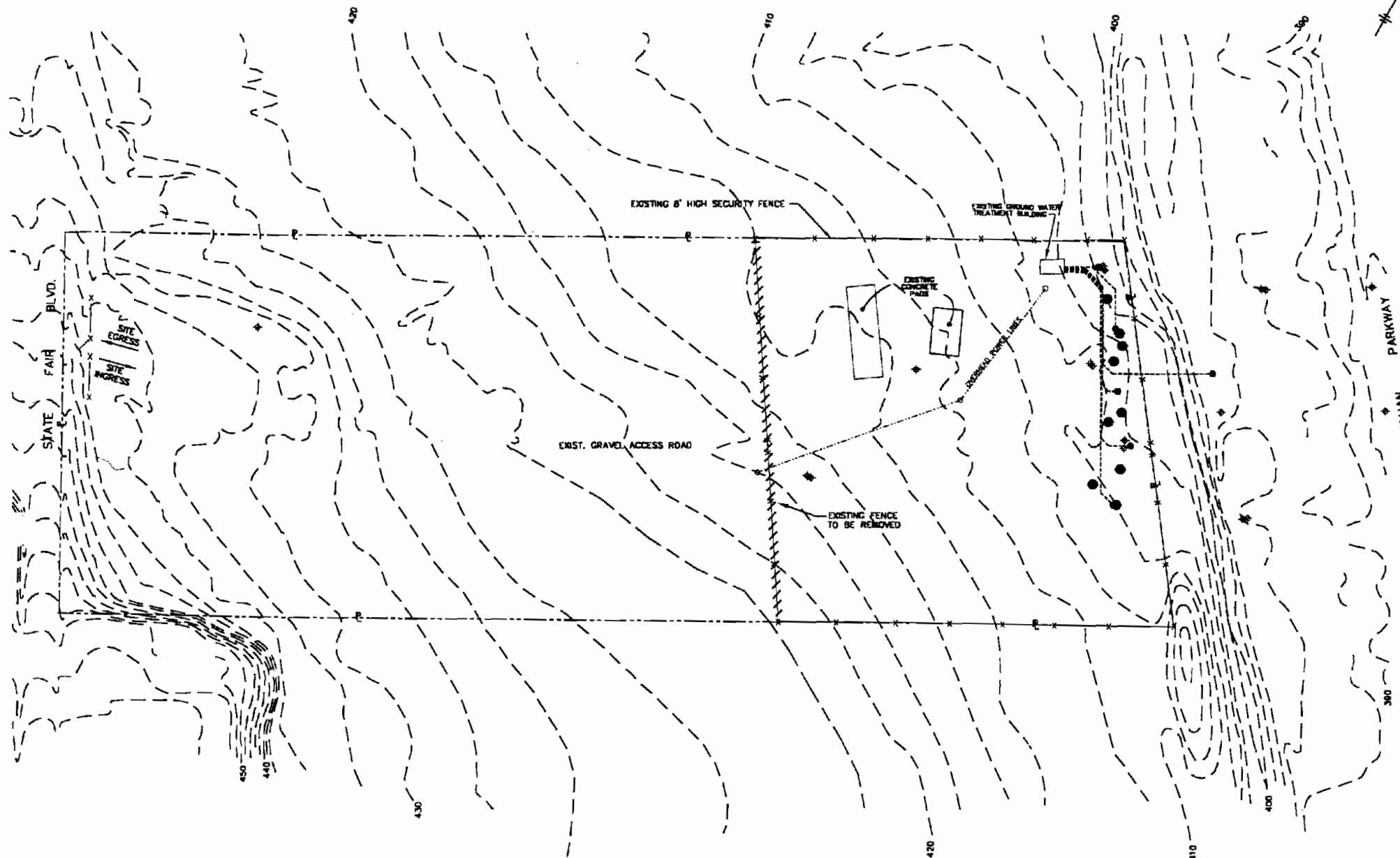


SCALE IN FEET

5618.001-02F

O'BRIEN & GERE
 ENGINEERS, INC.
 Syracuse, New York

May/17/94



NOTES:

1. EXACT DIMENSIONS AND LOCATIONS OF ALL STRUCTURES AND UTILITIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR AHEAD OF CONSTRUCTION. A LIMITED INSTRUMENT SURVEY WAS PERFORMED ONLY TO LOCATE SOIL BORINGS, MONITORING WELLS, PREVIOUS EXCAVATIONS AND SELECTED SITE FEATURES INCLUDING SPOT ELEVATIONS. OTHER SITE DATA SHOWN IS DEVELOPED FROM LAYOUT MAPS WITHOUT FIELD VERIFICATION. PROVIDED, OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATIONS, DEPTHS AND EXTENT OF WHICH ARE UNKNOWN. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES WITHIN OR NEAR EXCAVATION AREAS AND NOTIFY THE ENGINEER OF FINDINGS.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL SHEETING, SHORING AND/OR BRACING AND ALL Dewatering INCIDENTAL AND NECESSARY TO COMPLETE THE WORK. THE STATIC WATER TABLE IN THE VICINITY OF THE PROPOSED WORK AREAS HAS BEEN HISTORICALLY KNOWN TO BE LESS THAN 3 FEET BELOW EXISTING GRADE.
3. LOCATIONS OF ON-SITE STORAGE AND STAGING AREAS, FIELD OFFICE TRAILER(S) ARE TO BE CONFIRMED WITH OWNER PRIOR TO CONSTRUCTION.
4. PROPERTY LINES SHOWN ARE APPROXIMATE. CONTRACTOR TO PERFORM BOUNDARY SURVEY PRIOR TO INSTALLATION OF NEW FENCE.
5. EXISTING FENCE DESIGNATED TO BE REMOVED SHALL NOT BE REMOVED UNTIL NEW FENCE IS CONSTRUCTED AS SHOWN ON DRAWING G-2.
6. WORK LIMITS ARE TO BE WITHIN FENCELINE PROPERTY, UNLESS APPROVED IN WRITING BY STAUFFER MANAGEMENT CO. AHEAD OF TIME. CONTRACTOR SHALL NOT ENTER RESIDENTIAL PROPERTIES WITHOUT APPROVAL OF STAUFFER MANAGEMENT COMPANY.
7. CONTRACTOR IS TO MAINTAIN ACCESS TO AND FROM EXISTING GROUND WATER TREATMENT BUILDING.
8. CONTRACTOR MAY USE EXISTING CONCRETE PADS, HOWEVER, CONTRACTOR SHALL MAKE ANY REQUIRED REPAIRS TO MAKE WATER TIGHT IF PADS ARE TO BE USED AS DECONTAMINATION AREAS.
9. LIMITS OF CLEARING AND GRUBBING SHALL BE WITHIN NEW FENCED IN AREA.
10. SOILS USED TO BACKFILL 1987, 1990, AND 1993 EXCAVATIONS ARE TO BE REMOVED AND STOCKPILED FOR USE AS CLEAN FILL. POLYETHYLENE SHEETING WAS USED TO LINE EXCAVATIONS. CONTRACTOR SHALL NOT USE SOILS BEYOND LINER LIMITS OR BELOW EXISTING WATER TABLE AS CLEAN FILL.
11. ONLY WELLS, PIEZOMETERS, RECOVERY WELLS LOCATED WITHIN THE LIMITS OF THE EXCAVATION SHALL BE REMOVED. IF BOTTOM OF EXCAVATION DOES NOT EXTEND TO BOTTOM OF WELL, REMAINING SECTION OF WELL SHALL BE REMOVED AND THE BOREHOLE TREMMED WITH CEMENT/BENTONITE.

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- 8' HIGH SECURITY FENCE
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- PIEZOMETER TO BE REMOVED
- MONITORING WELL TO BE REMOVED (MW-6, MW-7)
- RECOVERY WELL TO BE REMOVED (RW-1, 4 & 5)
- APPROXIMATE LOCATION OF EXISTING GROUND WATER RECOVERY SYSTEM FORCEMAIN (SEE NOTE 1)
- APPROXIMATE LIMITS OF PROPOSED EXCAVATION
- APPROXIMATE LIMITS OF 1987 EXCAVATION
- APPROXIMATE LIMITS OF 1990 EXCAVATION
- APPROXIMATE LIMITS OF 1993 EXCAVATION
- EXISTING TOPOGRAPHIC SURFACE

MONITORING WELL, PIEZOMETER, RECOVERY WELL	DEPTH OF WELL	SCREENED INTERVAL	MEASURING POINT (+/-) ELEVATION
MW-5	34.51	358.29-413.29	434.50
MW-6	20.40	388.80-401.80	409.26
MW-7	38.27	368.63-378.63	408.99
MW-8	37.04	369.10-379.10	408.02
MW-9	18.20	387.00-397.00	407.51
MW-10	18.48	393.02-403.02	413.92
MW-11	40.46	378.04-388.04	417.48
MW-12	18.16	387.44-407.44	418.36
MW-13	46.44	358.18-388.18	405.88
MW-14	18.93	384.57-394.57	405.18
MW-15	45.03	348.07-358.07	391.04
MW-16	17.82	373.18-383.18	390.57
MW-17	18.10	374.50-384.50	383.26
MW-18	15.65	378.35-388.35	393.59
MW-19	39.98	354.04-384.04	393.28
MW-20	16.72	368.87-378.87	385.68
MW-21	19.86	368.73-378.73	386.58
PZ-1	22.80	382.20-392.20	407.02
PZ-2	19.66	385.84-395.84	407.24

MONITORING WELL, PIEZOMETER, RECOVERY WELL	DEPTH OF WELL	SCREENED INTERVAL	MEASURING POINT (+/-) ELEVATION
PZ-3	20.10	387.70-397.70	408.60
PZ-4	18.50	375.00-385.00	394.50
PZ-5	20.00	373.34-383.34	383.34
RW-1	25.09	383.31-393.31	408.86
RW-2	20.84	386.86-396.86	406.46
RW-3	25.33	381.97-391.97	407.02
RW-4	22.95	388.35-398.35	408.90
RW-5	24.53	386.17-396.17	408.67
RW-6	21.86	374.74-384.74	393.29

NOTE: * PVC
** STAINLESS STEEL

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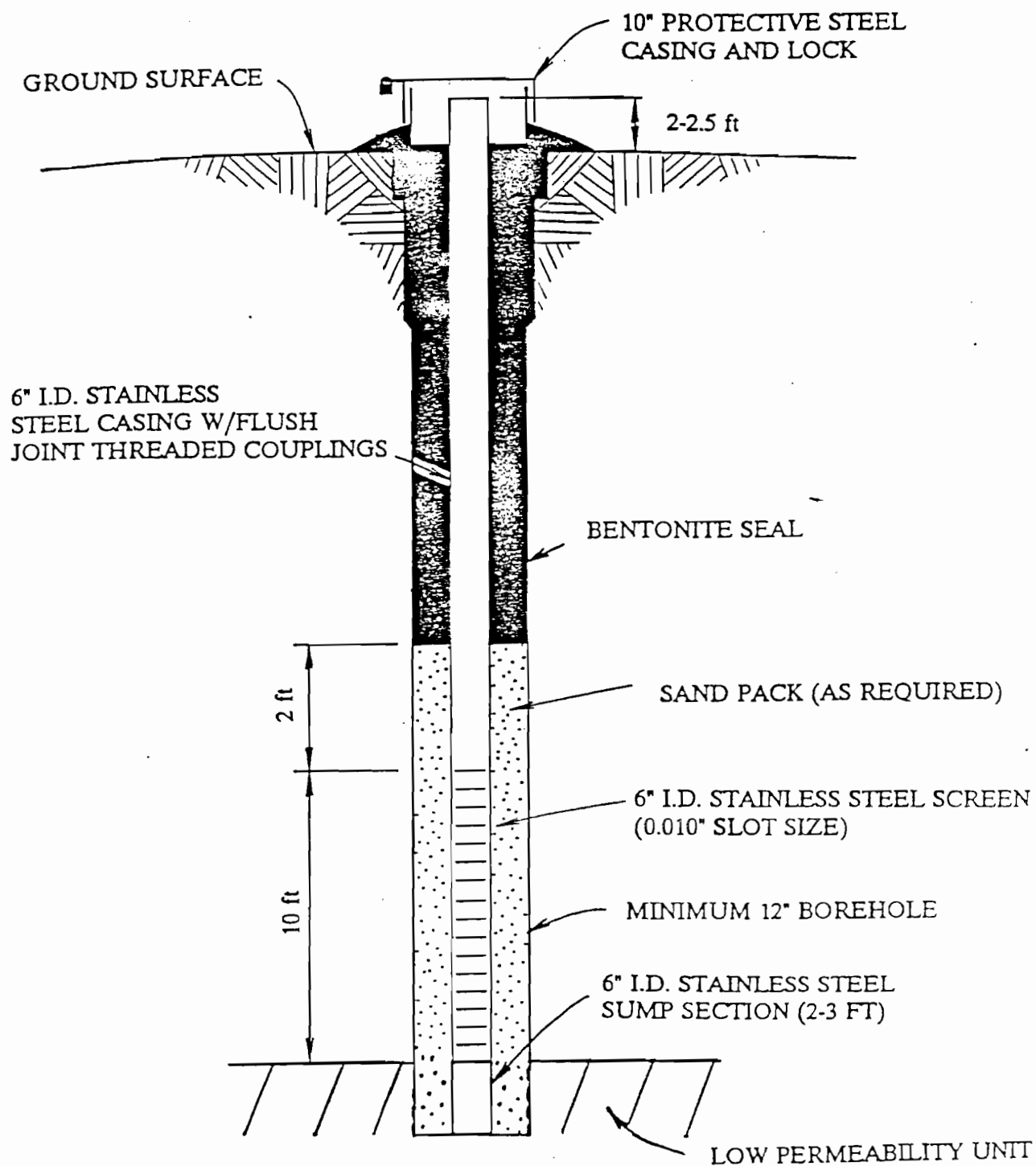
1 1/12/98 AS-BID		
0 12/19/95 SUBMITTED FOR NYSDEC REVIEW		
NO.	DATE	REVISION
INIT.		
APPROX. SCALE IN FEET		
1" = 50'		
In charge of.....		FILE NO.
Designed by.....Checked by.....		DATE
Drawn by.....		

FIGURE 1

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

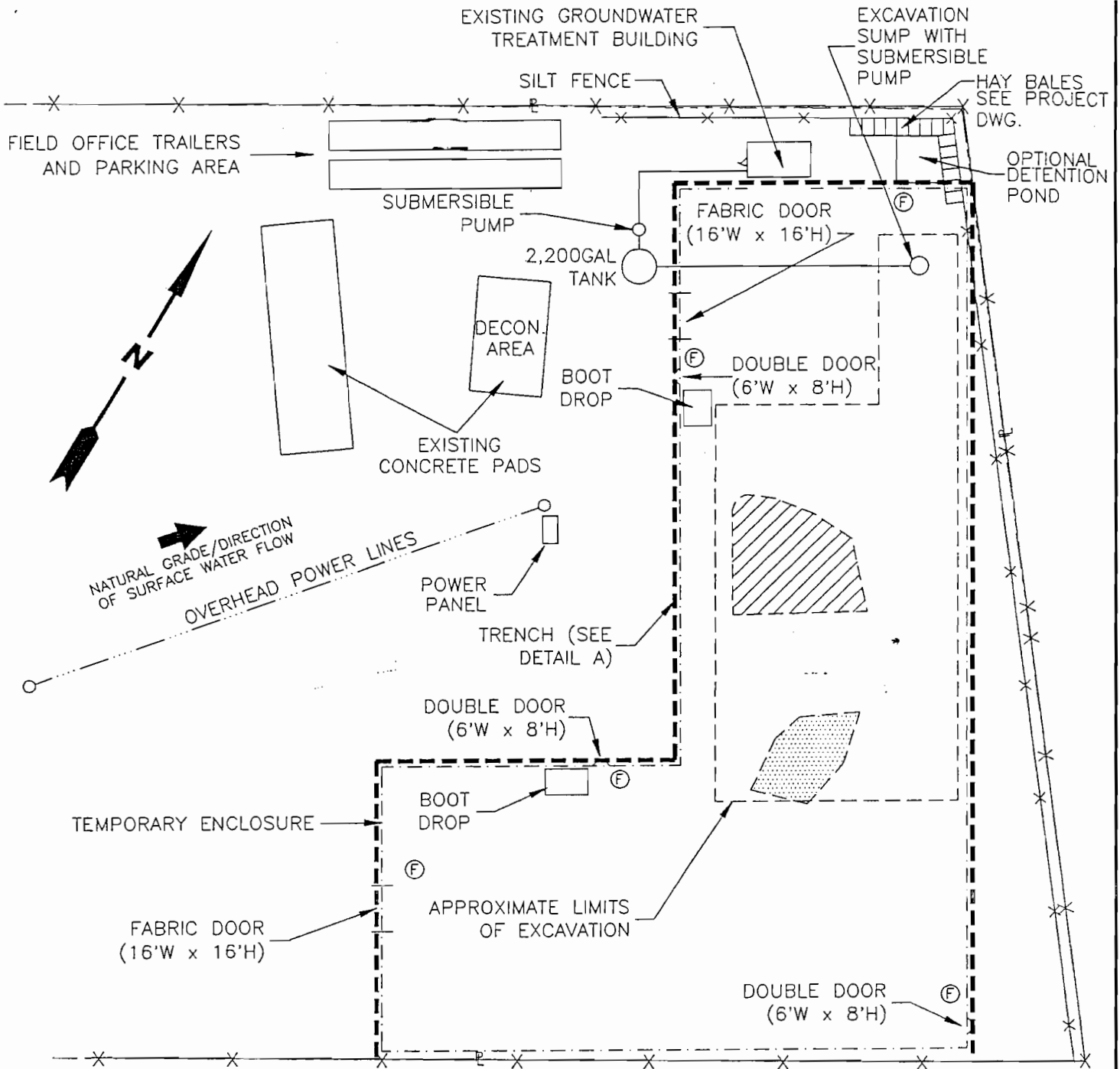
SITE MAP
(ENLARGED)





TYPICAL RECOVERY WELL

NOT TO SCALE



LEGEND

LIMITS OF 1987 EXCAVATION

LIMITS OF 1990 EXCAVATION

Ⓢ FIRE EXTINGUISHER LOCATION (5 TOTAL, 1 PER EXIT)

0 50 100
SCALE FEET



FLUOR DANIEL GTI

1245 KINGS ROAD
SCHENECTADY, NY 12303
(518) 370-5631

PROJECT NO.: 04100-0334 ACAD FILE: 0334-ENC DRAWING DATE: 5/13/96

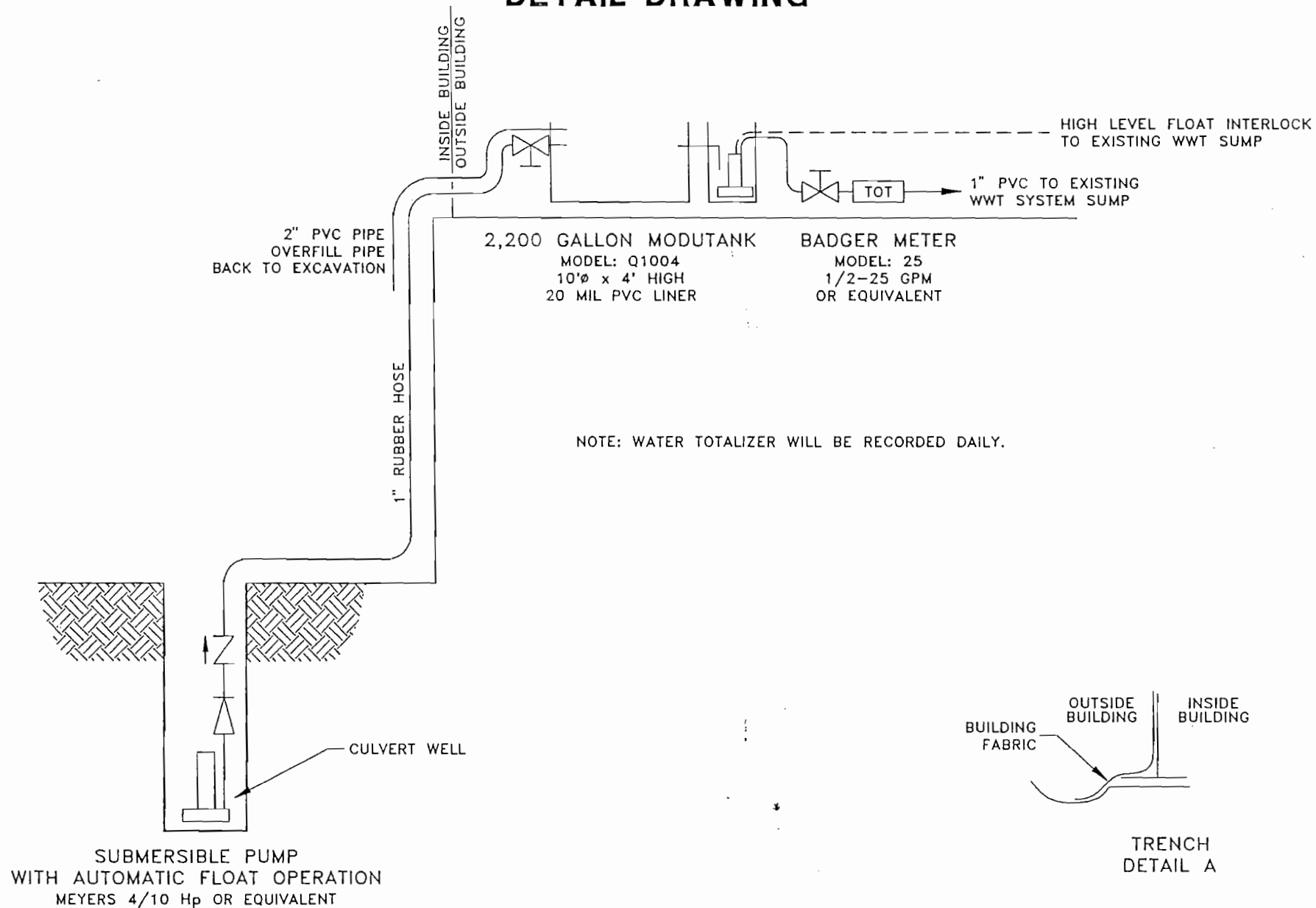
PM: MPS
SM: ---
DESIGNED: MPS
DETAILED: DEO

CLIENT/LOCATION:
STAUFFER MANAGEMENT CO.
MAESTRI SITE
GEDDES, NEW YORK

**CONSTRUCTION WATER
MANAGEMENT PLAN**

FIGURE:
1

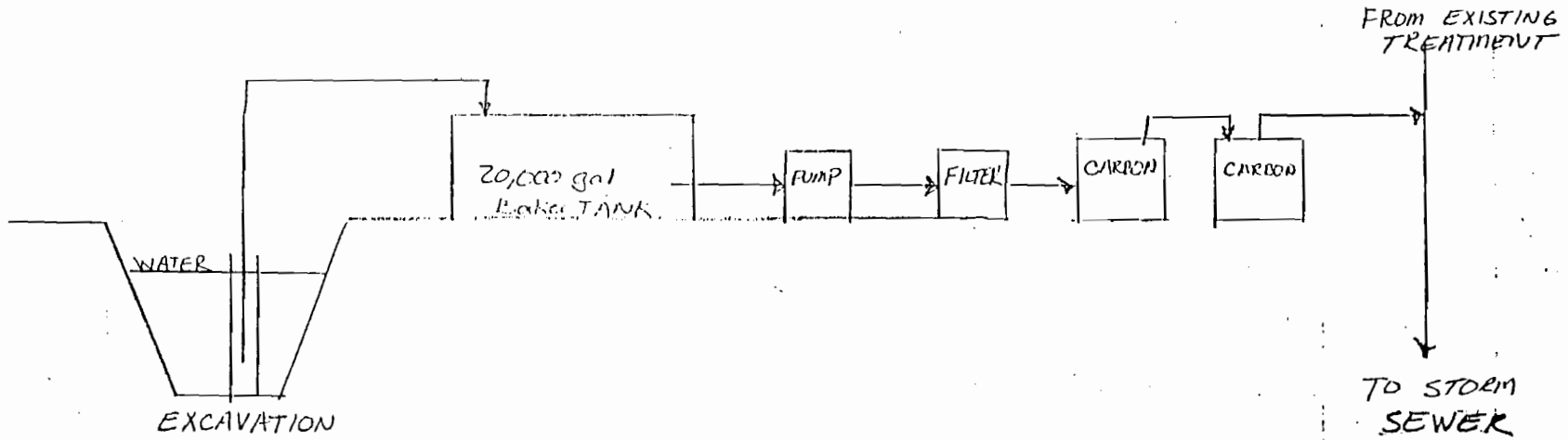
CONSTRUCTION WATER TREATMENT DETAIL DRAWING

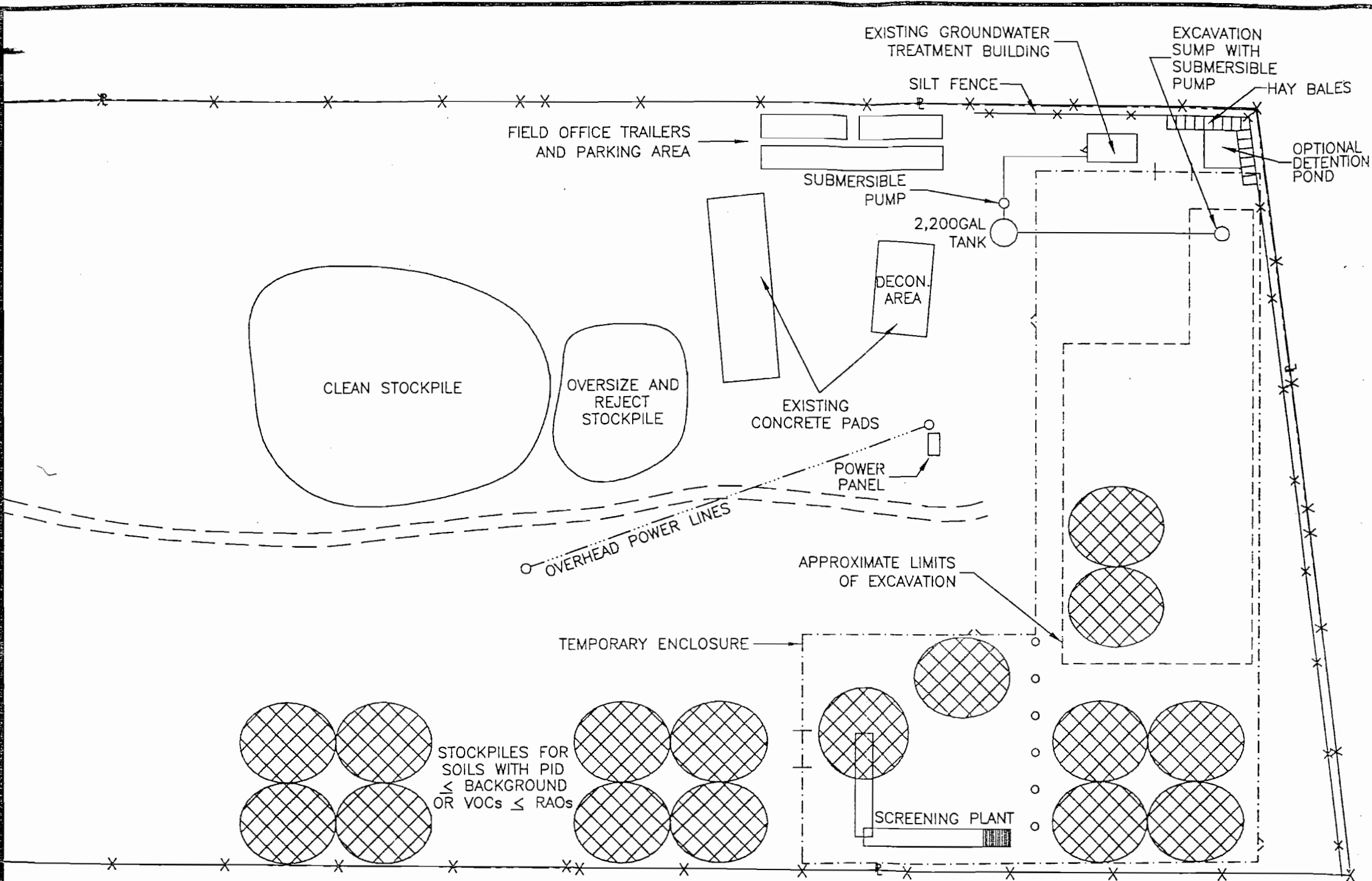


PROCESS FLOW DIAGRAM

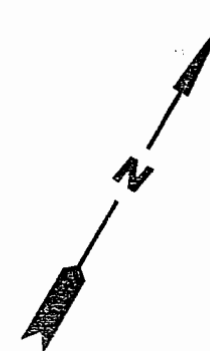
MAESTRI SITE

TEMPORARY TREATMENT SYSTEM





NO.	DATE	BY	REVISION



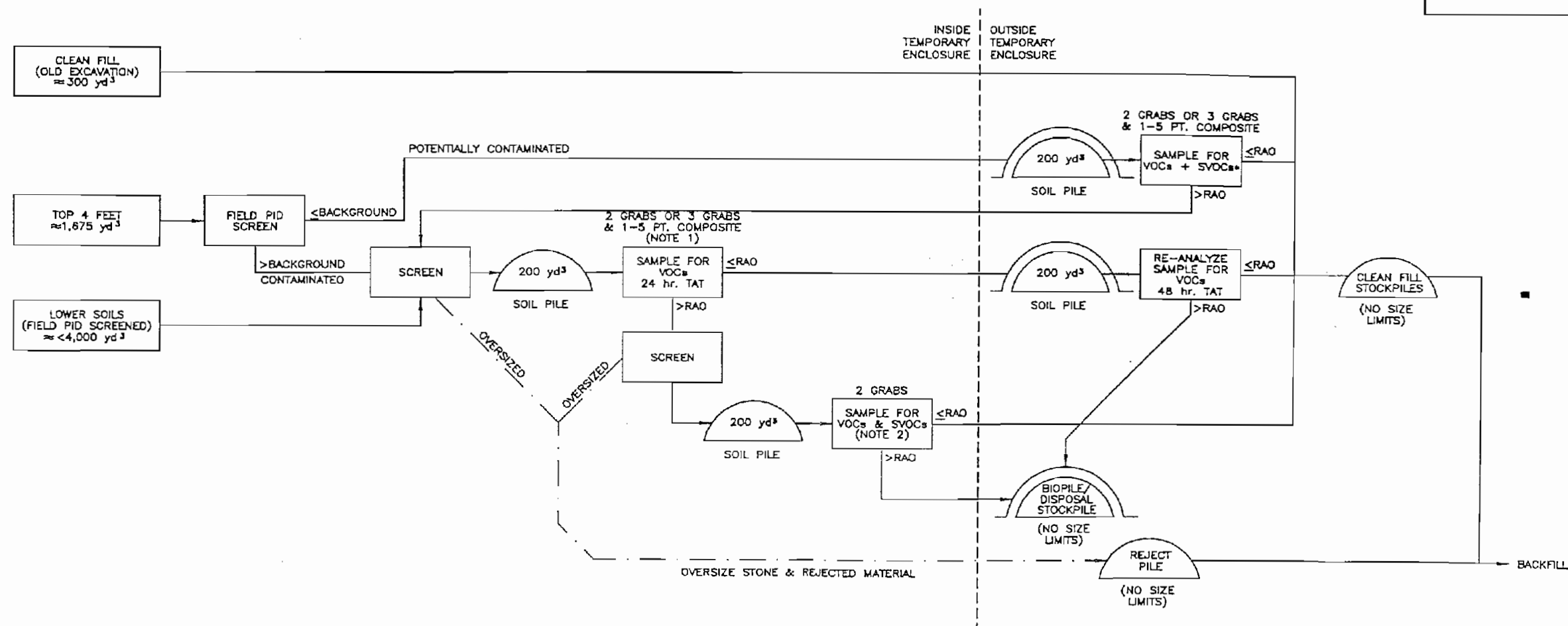
LEGEND
 200 yd³ SOIL PILE

NOTE:
 SOIL PILES PLACED OUTSIDE OF THE LIMITS OF THE EXCAVATION WILL BE PLACED ON POLYETHLENE SHEETS.

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REVIEW ENGR: PROJECT ENGR: PROJECT MGR: CLIENT:	SIGNATURE	DATE	GT ENGINEERING 1245 KINGS ROAD SCHENECTADY, NY 12303 (518) 370-5631			EXCAVATION STAGING PLAN		
			STAUFFER MANAGEMENT CO.			PROJECT NO.:	ACAD FILE:	
			MAESTRI SITE GEDDES, NEW YORK			04100-0334	0334-STG	
						DESIGNED BY:	DETAILED BY:	CHECKED BY:
						BMT	DEO	
						DRAWING DATE:	DRAWING:	REVISION:
						5/23/96	1	-

NO.	DATE	BY	REVISION



NOTE:

VOC: VOLATILE ORGANIC COMPOUNDS

SVOC: SEMI-VOLATILE ORGANIC COMPOUNDS

1. TOP 4 FEET, COLLECT FOUR SAMPLES. LOWER SOILS, COLLECT TWO SAMPLES.

2. ALL VOCs, 24HR TURNAROUND TIME. ALL SVOCs, 48HR TURNAROUND TIME.

THIS DRAWING AND ANY ATTACHMENTS ("DRAWINGS"), HAVE BEEN PRODUCED FOR THE SOLE USE OF THE RECIPIENT AND MUST NOT BE USED, REUSED, REPRODUCED, MODIFIED OR COPIED ("USE") IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF GROUNDWATER TECHNOLOGY, INC. THIS DRAWING MAY CONTAIN CONFIDENTIAL AND PROPRIETARY INFORMATION OF GROUNDWATER TECHNOLOGY, INC. ANY UNAUTHORIZED USE OF THIS DRAWING IS STRICTLY PROHIBITED. IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SIGNATURE REVIEW ENGR: PROJECT ENGR: PROJECT MGR: CLIENT:	DATE	GT ENGINEERING 1245 KINGS ROAD SCHENECTADY, NY 12303 (518) 370-5631		EXCAVATION SAMPLING PLAN		
		STAUFFER MANAGEMENT CO.		PROJECT NO.: 04100-0334	ACAD FILE: 0334-ESP	
		MAESTRI SITE GEDDES, NEW YORK		DESIGNED BY: BMT	DETAILED BY: DEO	CHECKED BY:
				DRAWING DATE: 5/23/96	DRAWING: 2	REVISION: -



PROJECT SMC - Maestri

PROJECT NUMBER _____

SUBJECT Excavation Rainfall Evaluation

BY _____

DATE 10/11/96

Storage Capacity of Excavation Soils

PAGE 2

OF 2

Excavation Cross-Section



Assumptions and Constants

Porosity of Drainage Stone : 35%

7.4 gallons / ft³

Porosity of Backfill Soil : 30%

Dimensions

Drainage Stone : 50' Wide, 150' Long, 6" Thick = 3,750 ft³

Backfill Soil : 56' Wide, 156' Long, 3' Thick = 26,208 ft³

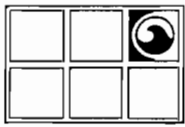
STORAGE CAPACITY

Drainage Stone: $(3,750)(.35)(7.4) = 9,712.5$ gallons

Backfill $(26,208)(.30)(7.4) = 58,182$ gallons

TOTAL STORAGE CAPACITY = 67,894 gallons

7" OF RAIN RISK TO PONDING



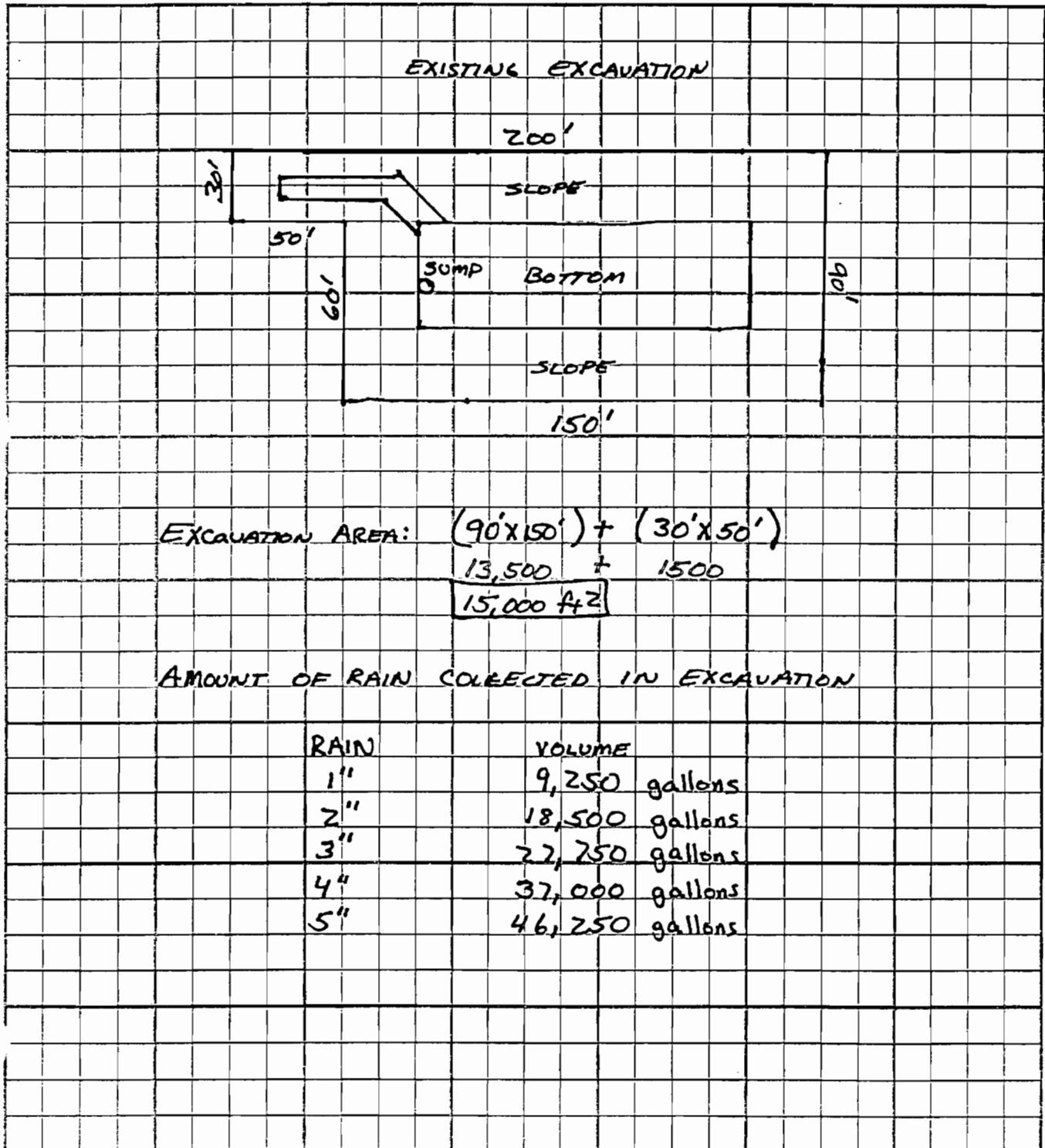
PROJECT SMC - MASTER

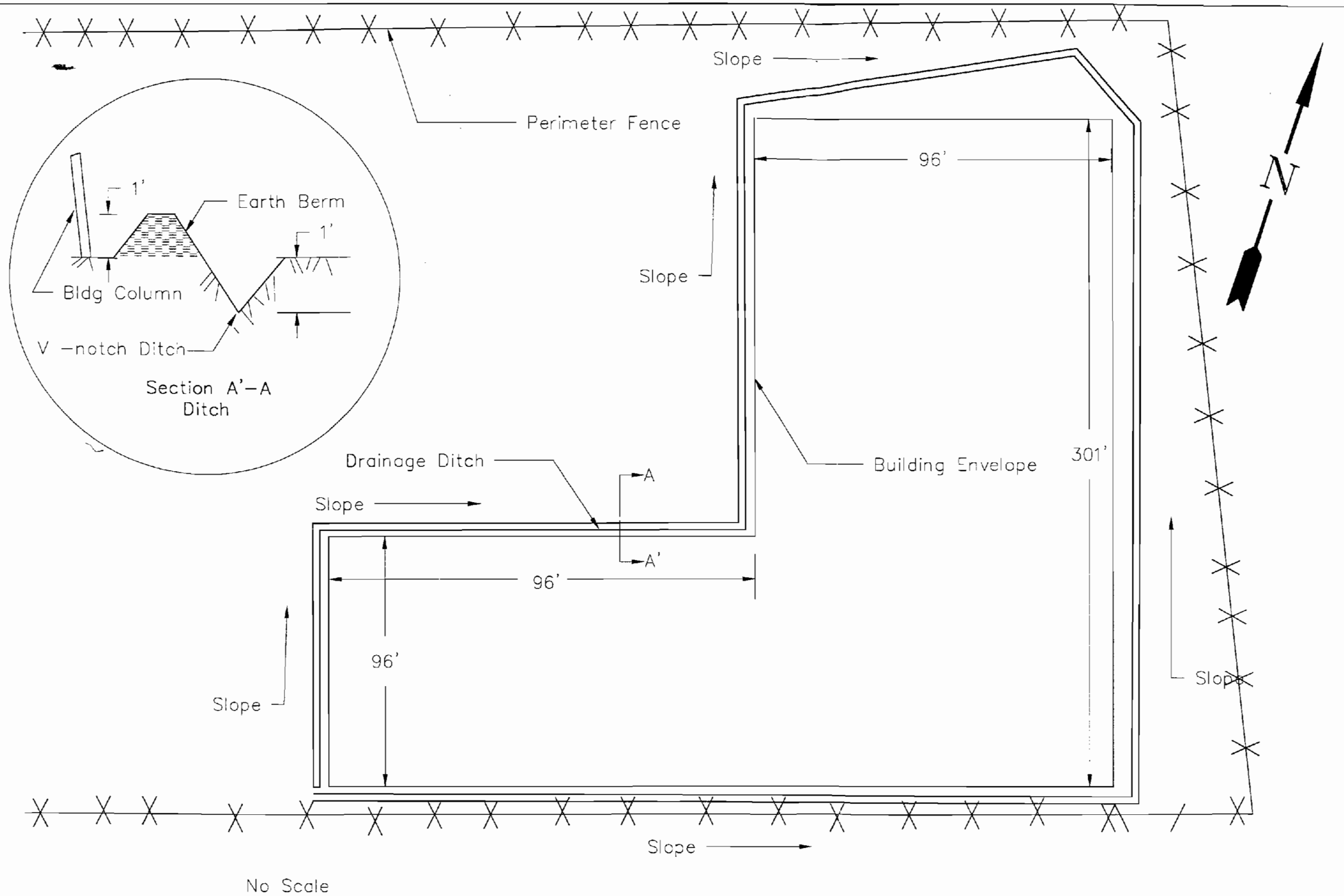
PROJECT NUMBER _____

SUBJECT Excavation Rainfall Evaluation

BY _____ DATE 10/10/96

PAGE 1 OF 2





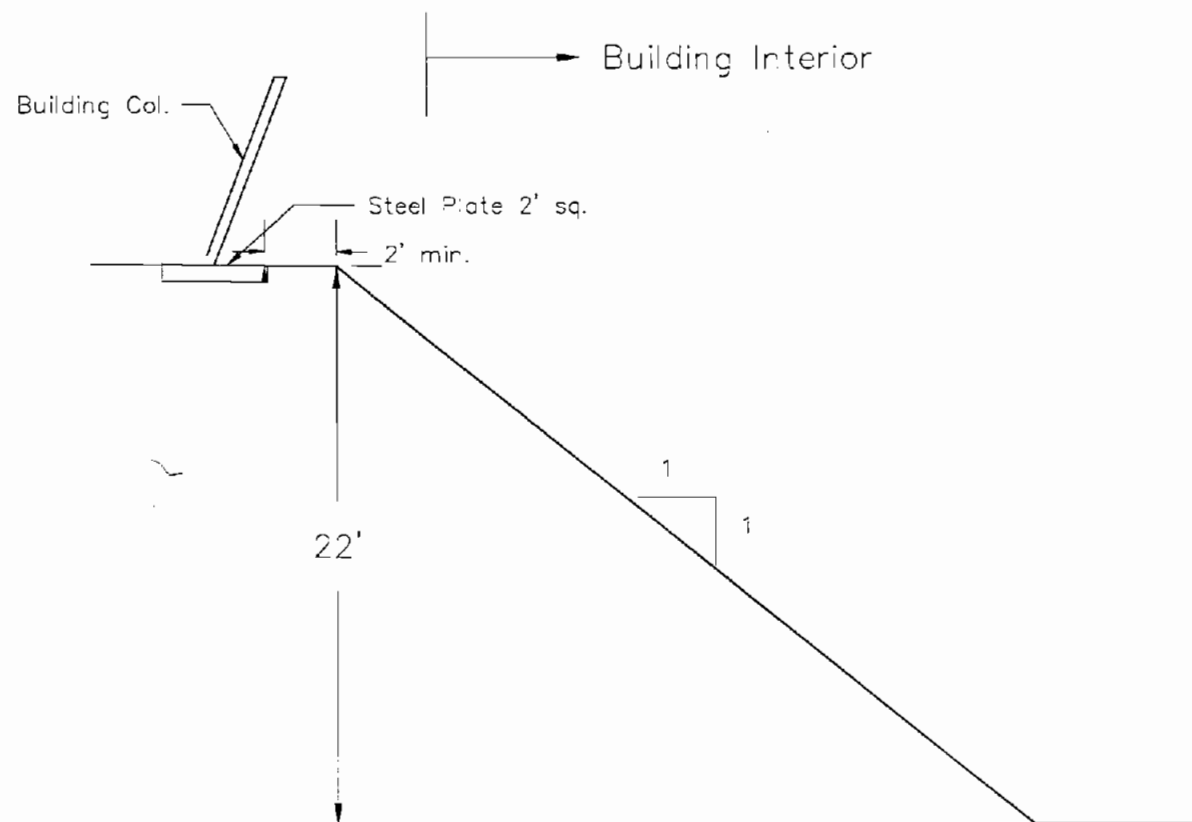
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 PROFESSIONAL CONSULTING SERVICES
 PO BOX 912, CLIFTON PARK, NEW YORK 12065

DWG. NO.: SKETCH #1

DATE: June 24, 1996

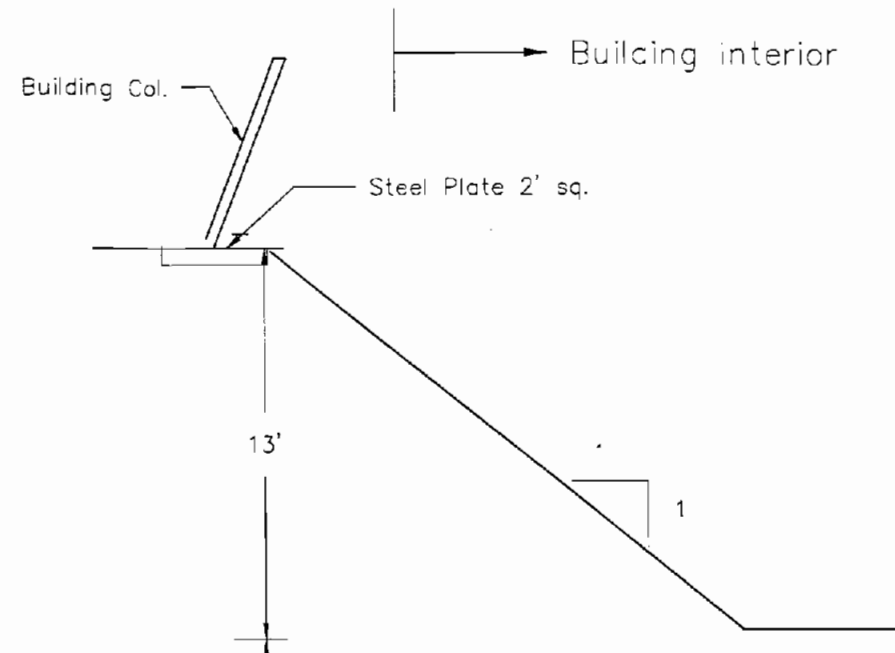
Stauffer Management Company
 Maestri Street Site Remediation

Building Site Plan



Section View
Building Column Work Zone

Note: No Scale



Section View
Contingency Plan Option #1
Isolated Over Excavation @ Individual Column

Note: No Scale

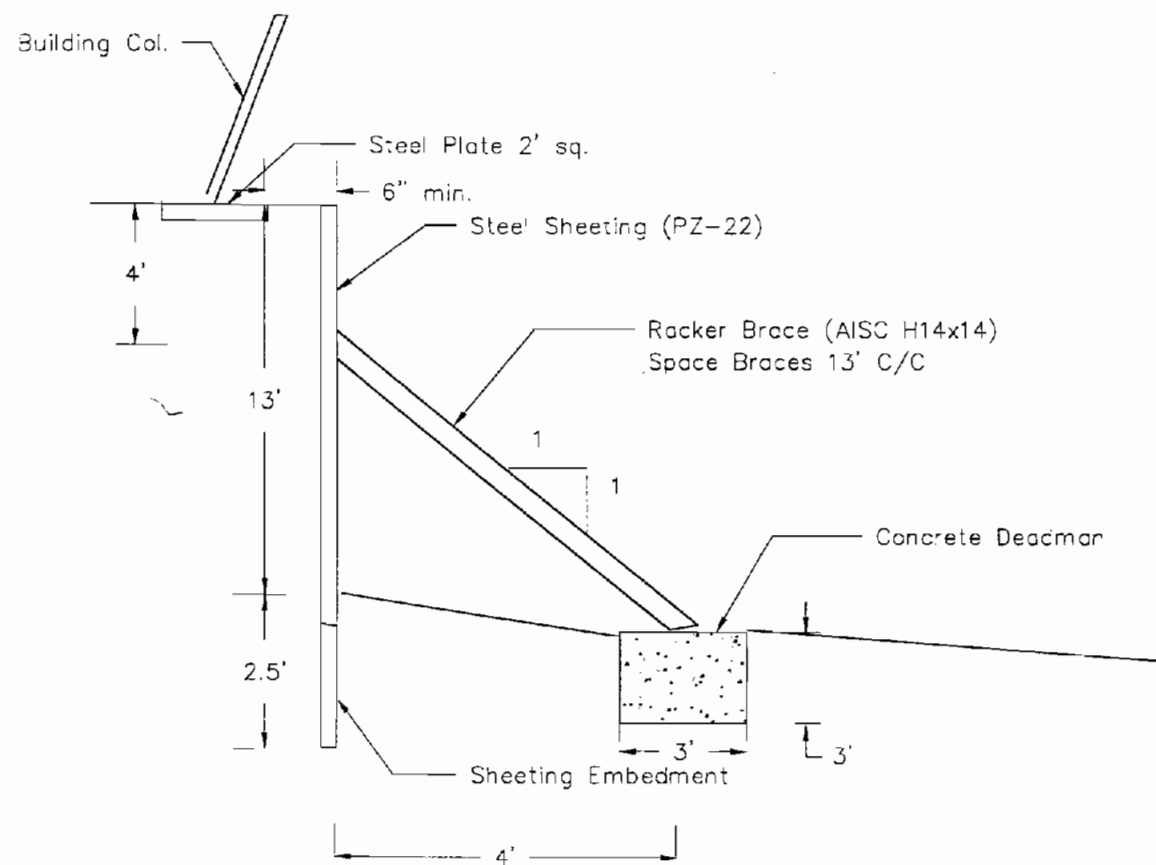


SPEC CONSULTING
PROFESSIONAL CONSULTING SERVICES
PO BOX 912, CLIFTON PARK, NEW YORK 12065

DWG. NO.: SKETCH #1

DATE: June 24, 1996

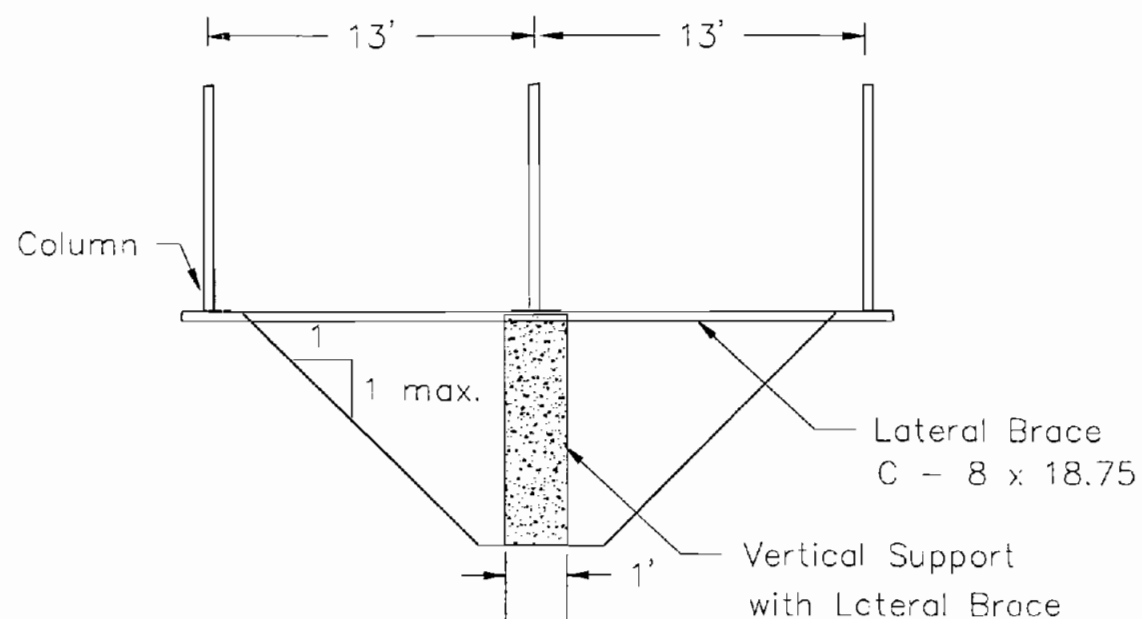
Stauffer Management Company
Maestri Street Site Remediation
Building Contingency Plan Schematics



Section View

Contingency Plan Option #2
Steel Sheeting with Raker Brace

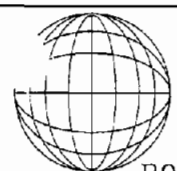
Note: No Scale



Section View

Contingency Plan Option #3
Over Excavation @ Individual Column

Note: No Scale



SPEC CONSULTING

PROFESSIONAL CONSULTING SERVICES

PO BOX 912, CLIFTON PARK, NEW YORK 12065


DWG. NO.: SKETCH #2

DATE: June 24, 1996

Stauffer Management Company
Maestri Street Site Remediation

Building Contingency Plan Schematics

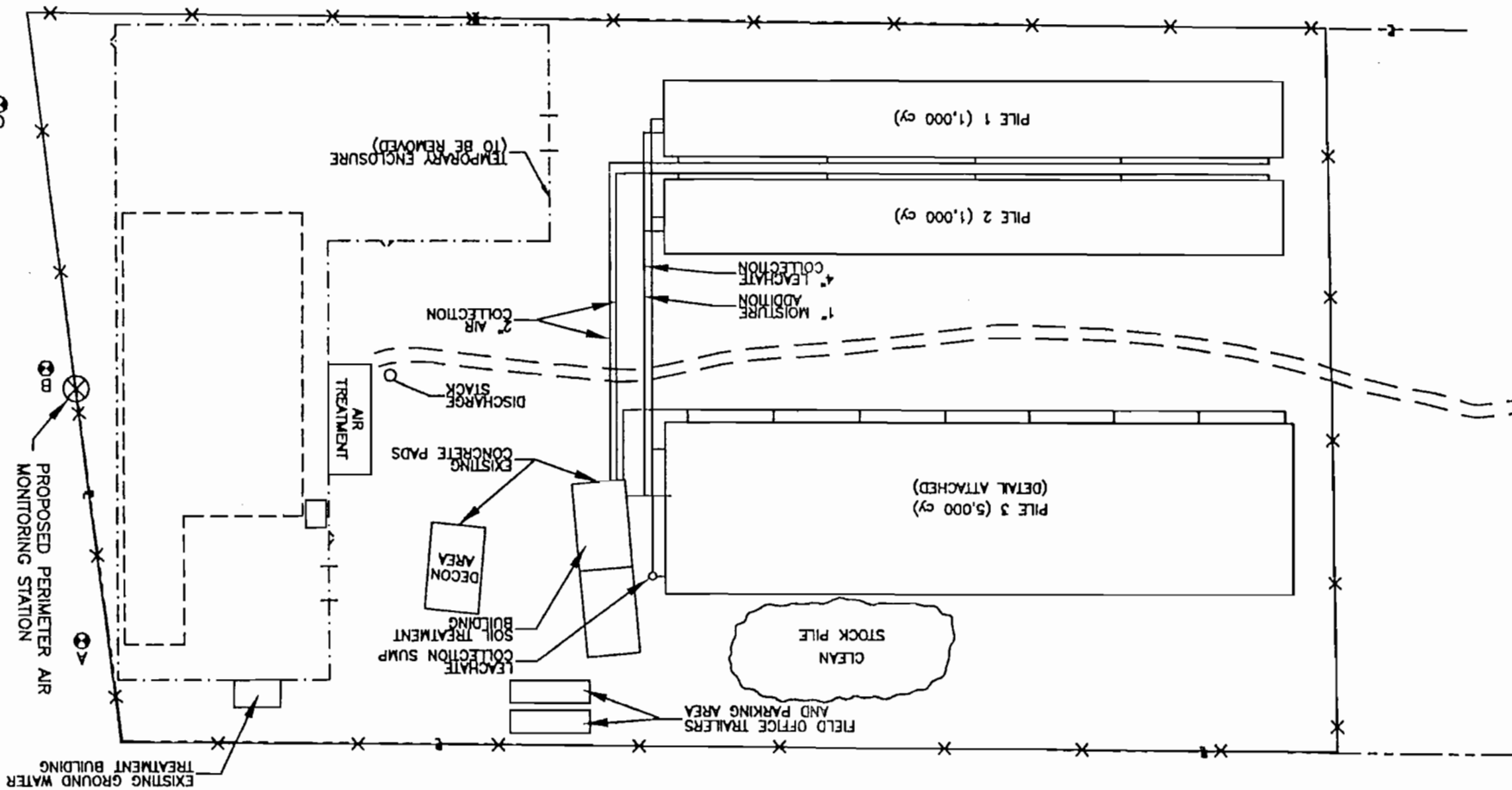
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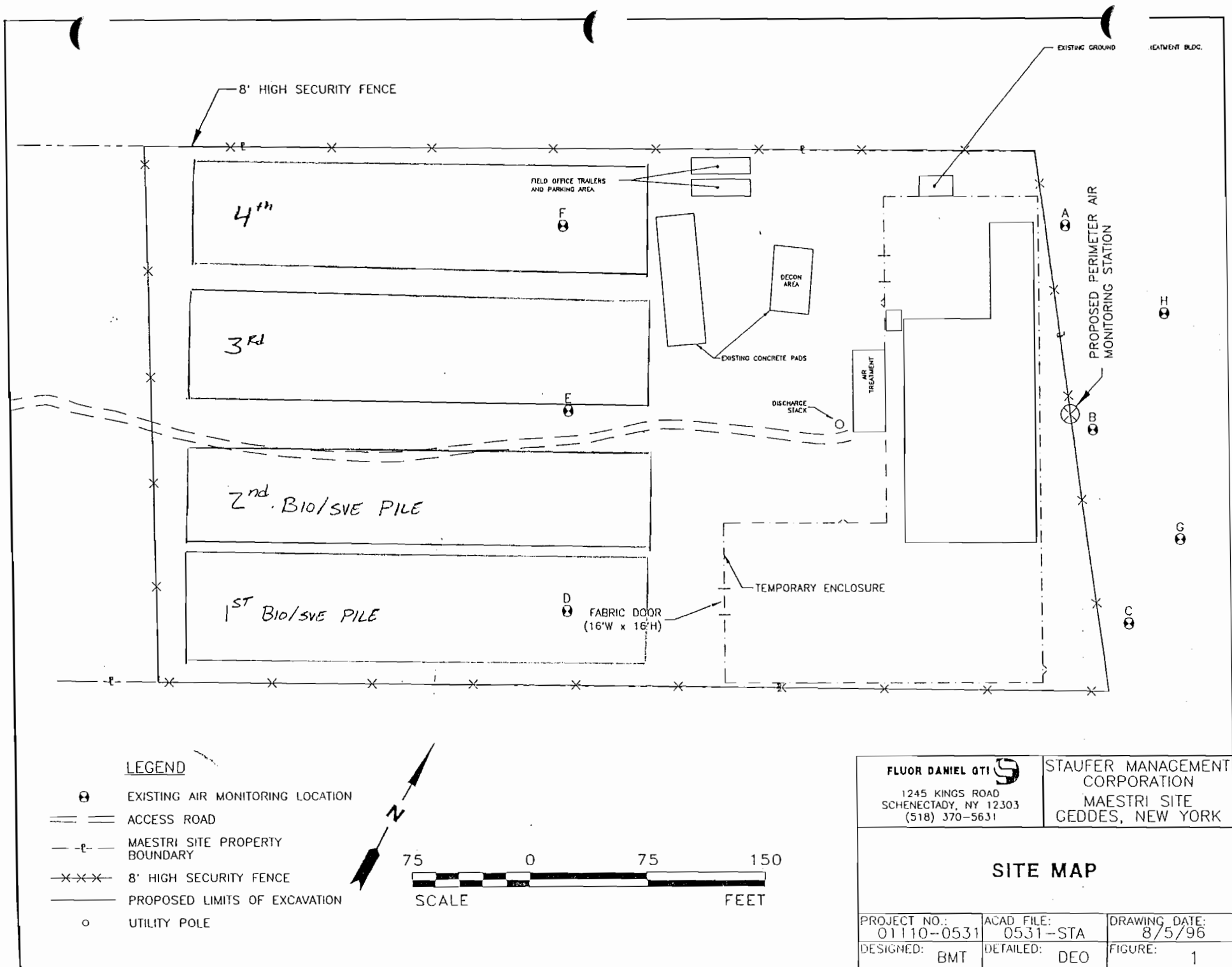
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SIGNATURE			DATE
REVIEW DRAW:			
PROJECT DRAW:			
PROJECT MGR:			
CLIENT:			
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<p align="center">SMC/ MAESTRI</p> <p align="center">MAESTRI INTL GEDDES, NEW YORK</p>			
<p align="center">BIOCCELL CONSTRUCTION DETAIL</p>			
DESIGNED BY: MPS	DETAILED BY: DEO	CHECKED BY:	
DRAWING DATE: 9/19/98		ACAD FILE: 0531-BIO	
PROJECT NO.: 01110-0531		CONTRACT:	
DRAWING:		REVISION:	
1		-	

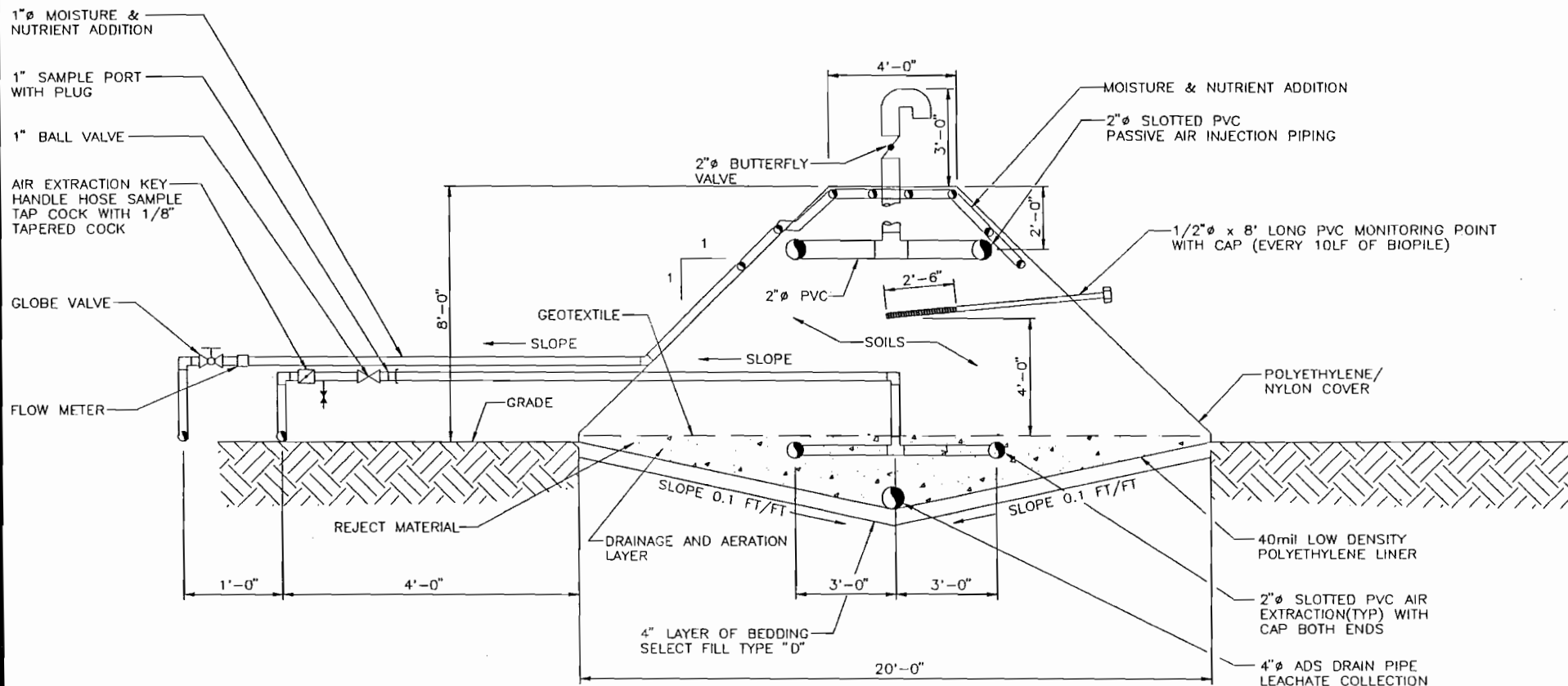
FLUOR DANIEL RTI 1245 KINGS ROAD SCHENECTADY, NY 12303 (518) 370-5831		PROJECT NO.: 01110-0531	ACAD FILE: 0531-STA	DRAWING DATE: 9/24/96
SITE MAP WITH BIO/SVE SOIL PILE LOCATIONS		DESIGNED: BMT	DETAILED: DEO	CHECKED: SMC/MAESTRI GEDDES, NEW YORK



- LEGEND**
- ⊕ EXISTING AIR MONITORING LOCATION
 - == ACCESS ROAD
 - MAESTRI SITE PROPERTY BOUNDARY
 - X-X- 8' HIGH SECURITY FENCE
 - - - - PROPOSED LIMITS OF EXCAVATION







AS-SPECIFIED

NOTES:

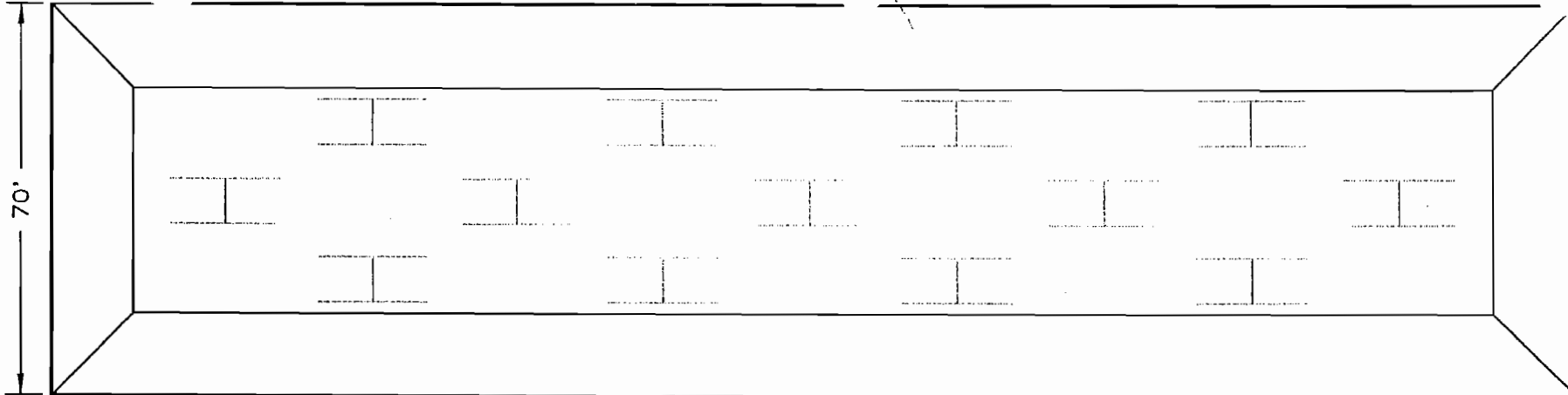
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2. HDPE TOP LINER
3. PASSIVE AIR INJECTION.

FOGTI 0531-B10-2

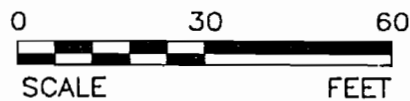
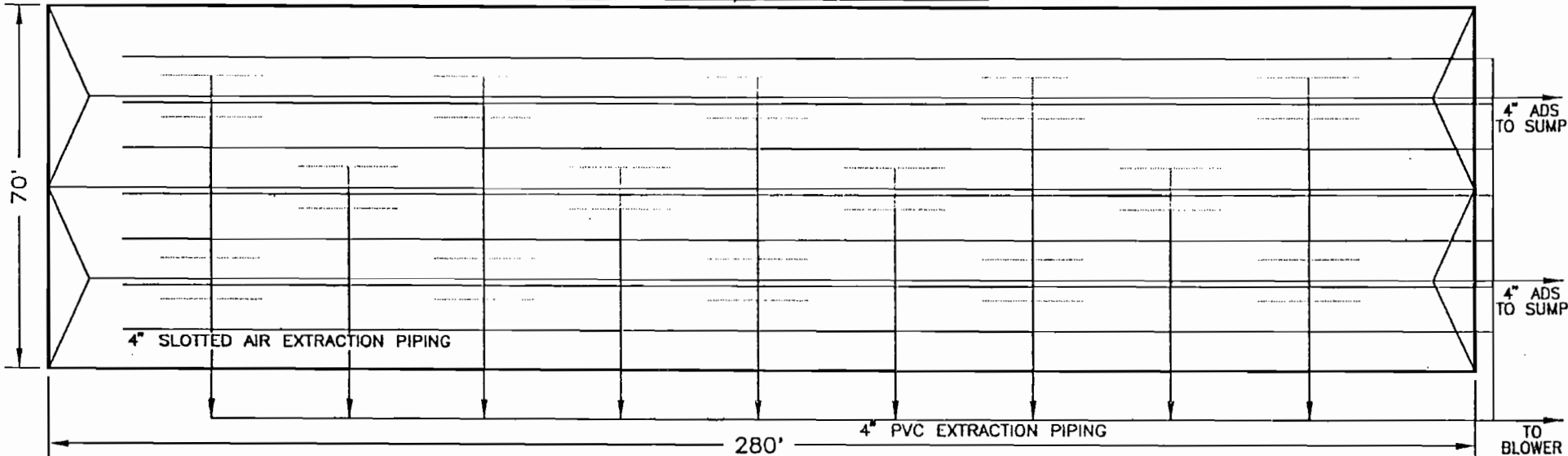
FLUOR DANIEL GTI 

PASSIVE AIR INJECTION

PIPING PLAN



AIR EXTRACTION/LEACHATE PIPING PLAN



FLUOR DANIEL GTI

1245 KINGS ROAD
SCHENECTADY, NY 12303
(518) 370-5831

PROJECT NO.:
01110-0531

ACAD FILE:
0531-PLN

DRAWING DATE:
9/24/96

DESIGNED:
MPS

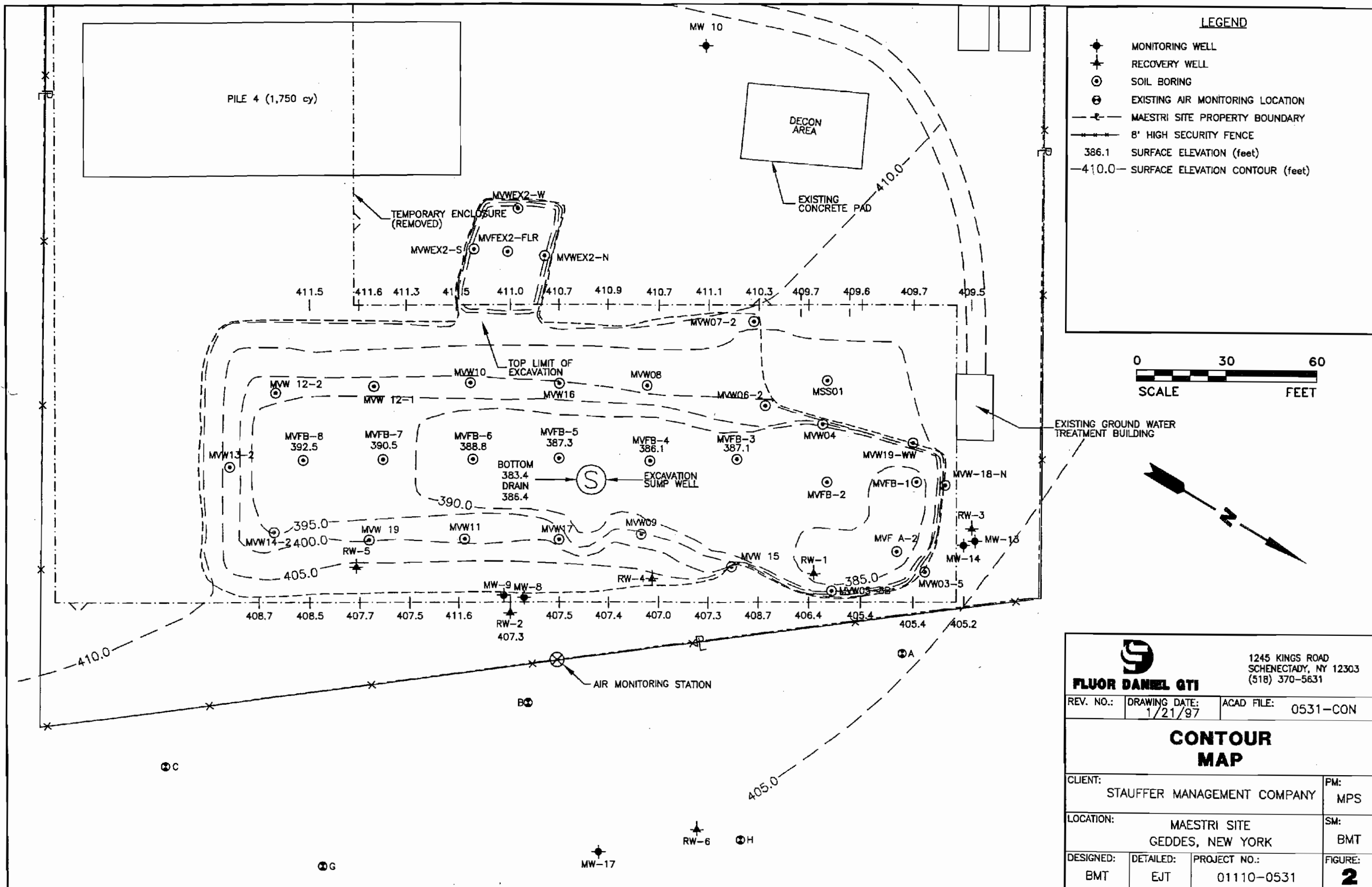
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DEO

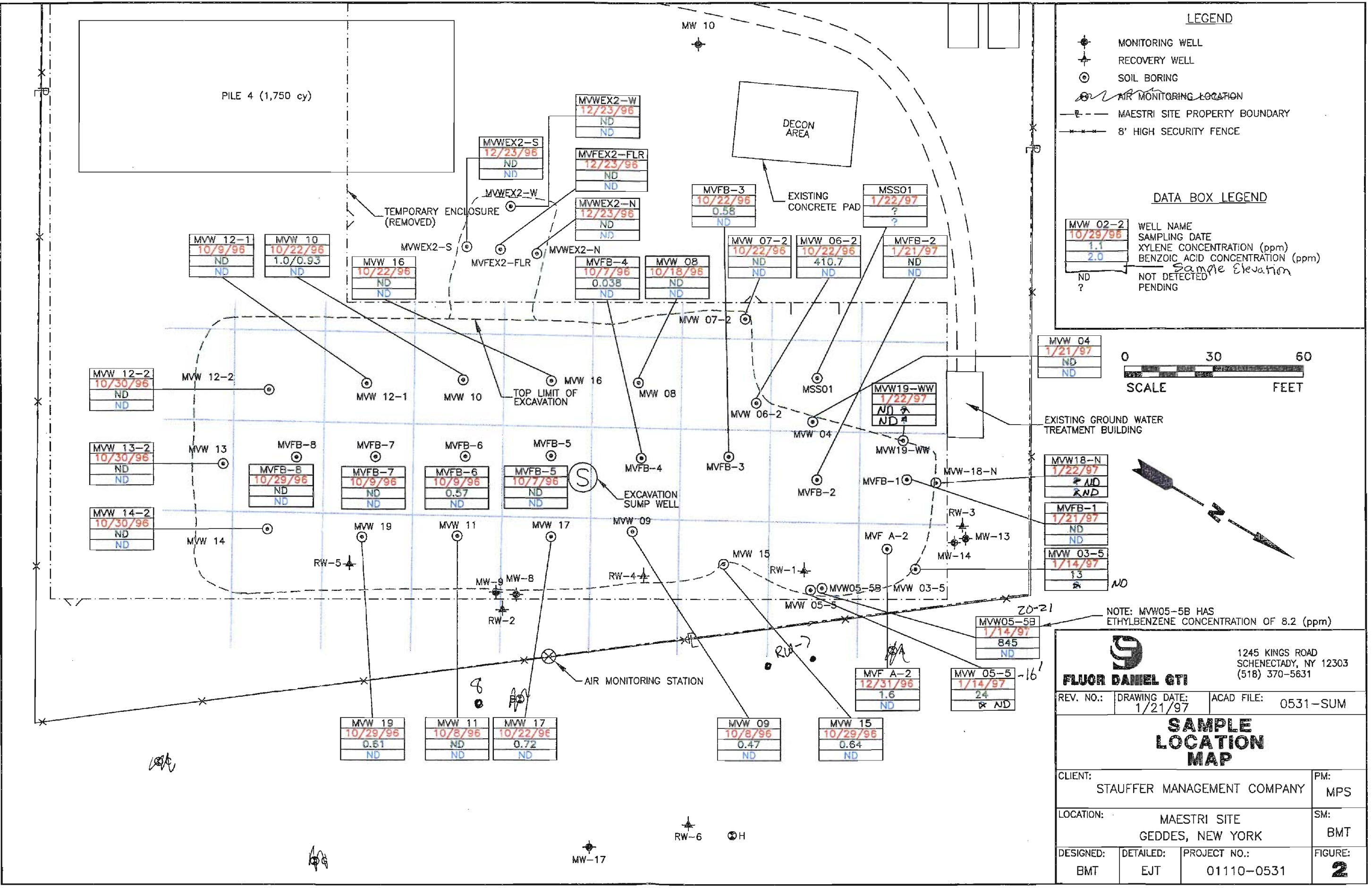
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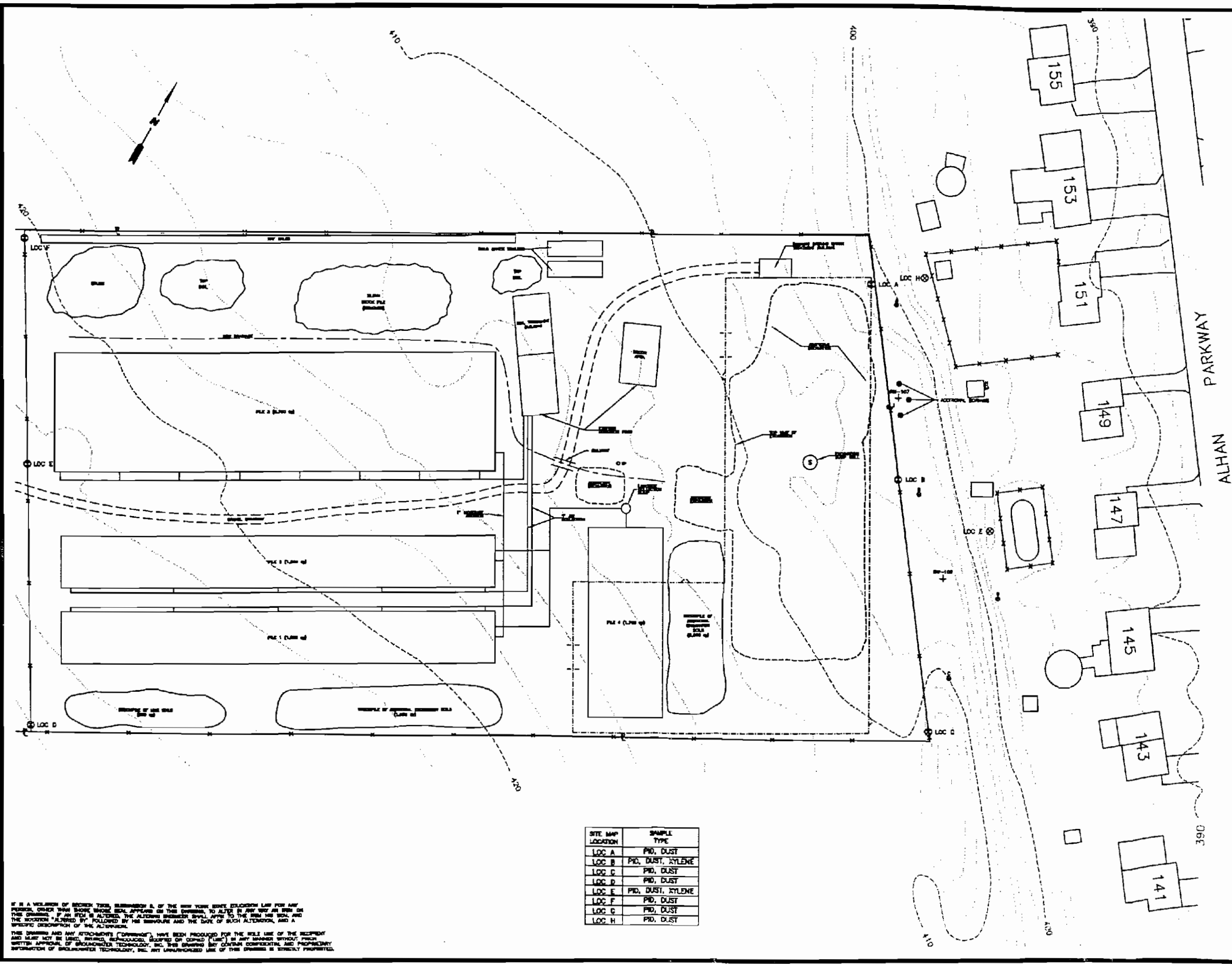
PIPING DETAIL
BIO/SVE SOIL PILE

CLIENT/LOCATION:
SMC/MAESTRI
GEDDES, NEW YORK

FIGURE:
2







SITE MAP LOCATION	SAMPLE TYPE
LOC A	PM10, DUST
LOC B	PM10, DUST, XYLENE
LOC C	PM10, DUST
LOC D	PM10, DUST
LOC E	PM10, DUST, XYLENE
LOC F	PM10, DUST
LOC G	PM10, DUST
LOC H	PM10, DUST

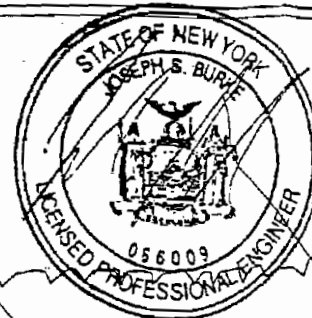
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NO.	DATE	BY	REVISION
<p>LEGEND</p> <ul style="list-style-type: none"> ● EXISTING AIR MONITORING LOCATION ○ SPECIFIC SITE PROPERTY BOUNDARY — IF HIGH SECURITY FENCE ○ ELECTRIC POLE ○ SOIL BORING ○ RECOVERY WELL ○ AIR MONITORING LOCATION 			
<p>30 0 30 60 SCALE FEET</p>			
SIGNATURE		DATE	
REVIEW ENGINEER			
PROJECT ENGINEER			
PROJECT MANAGER			
CLIENT			
<p>GT ENGINEERING 1245 KINGS ROAD SCHENECTADY, NY 12303 (518) 370-5631</p>			
<p>STAUFFER MANAGEMENT COMPANY MAESTRI SITE GEOCER, NEW YORK</p>			
<p>SITE MAP WITH AIR MONITORING AND SAMPLING LOCATIONS</p>			
DESIGNED BY: TPA	DETAILED BY: MLB	CHECKED BY:	
DRAWING DATE: 9/3/97	ACAD FILE:	D531-AIR	
PROJECT NO.:	CONTRACT:		
01110-0531			
DRAWING:	REVISION:		
1			

LEGEND

●—● NEW CONTOURS



EXISTING 8' HIGH SECURITY FENCE

EXISTING GROUND WATER
TREATMENT BUILDING
(TO REMAIN)

EXISTING
CONCRETE
PADS
TO BE REMOVED

EXIST. GRAVEL ACCESS ROAD

RELOCATED FENCE & GATE

EXISTING FENCE AND GATE
TO BE RELOCATED

428
424
426

422

420

418

416

414

412

410

408

406



SPEC PROJECT #98-059

NO.	DATE	REVISION

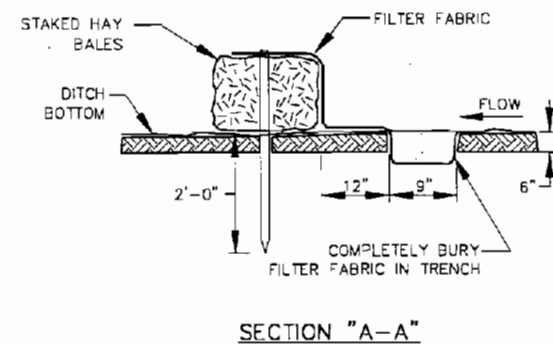
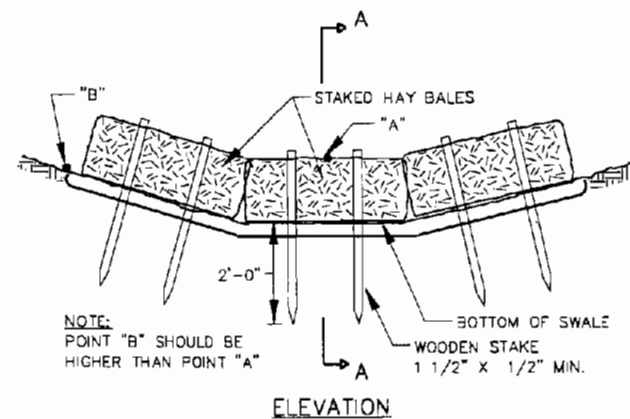
DRAWING STATUS
PRELIMINARY
FOR REVIEW AND COMMENTS
☐ APPROVED
☐ APPROVED AS MARKED
BY _____ DATE _____

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CHECKER	JSB	8/10/99
DRAWN BY	NS	10/10/99
DATE	JSB	10/10/99

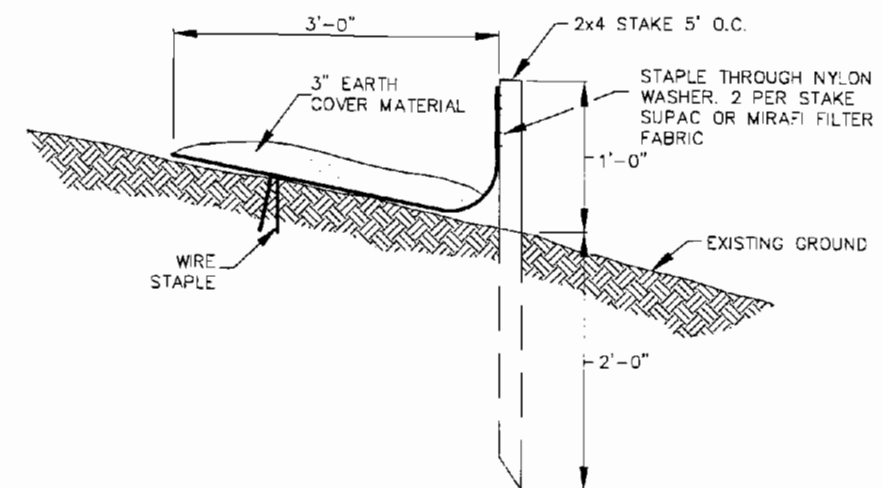
STAUFFER MANAGEMENT COMPANY
MAESTRI SITE GEDDES, NEW YORK
SITE CLOSURE PLAN
FINAL GRADING

SCALE: 1"=30' DRAWING NO. S-1 SHEET 1 OF 1 REV. NO. -

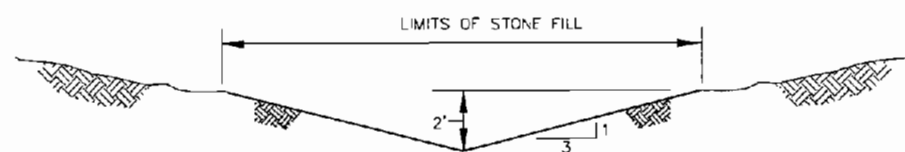
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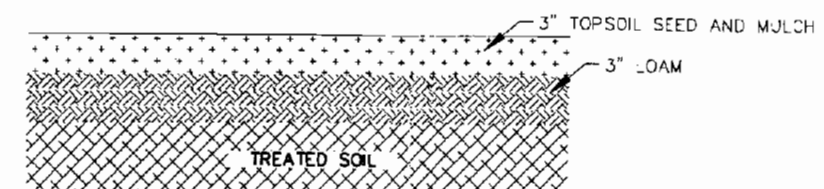
1 HAY BALE
D-1 SILTATION CONTROL DETAIL
NO SCALE



2 SILTATION FENCE DETAIL
D-1 NO SCALE



3 V - DITCH
D-1 NO SCALE



4 BIOCELL SEEDING DETAIL
D-1 NO SCALE

FILE NAME: C:\M\PROJECTS\MAESTRI\2003-1

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SPEC PROJECT #99-059

SPEC CONSULTING
Professional Engineering Services
100 N. 10th St., Suite 200, York, PA 17403
Tel: 717-766-1100 Fax: 717-766-1101

NO.	REVISION	DATE	BY	CHK	APP

PRELIMINARY
FOR PERMIT ACCEPTANCE ONLY
☐ APPROVED
☐ APPROVED AS MARKED
BY: _____ DATE: _____

DESIGNED BY	GA 10/20/99	APPROVED
CHECKED BY	JSB 8/20/99	
DRAWN BY	AR 8/20/99	
CHECKED BY	JSB 8/20/99	

MAESTRI SITE
GEDDES, NEW YORK
BIOCELL CLOSURE DETAILS

SCALE	NTS	DRAWING NO.	D-1	SHEET	1 of 1	REV.	
-------	-----	-------------	-----	-------	--------	------	--

STATE FARM BLVD.

MAP NOTES:

1. ELEVATION DATUM IS NGVD 29.
2. CONTOUR INTERVAL = 1 FT.
3. TOPOGRAPHIC INFORMATION SHOWN HEREON WAS COMPILED FROM AN ACTUAL FIELD SURVEY PERFORMED SEPTEMBER 7, 1999.
4. AREA OF TOPOGRAPHIC SURVEY = 4.33± AC.

LEGEND

- UTILITY POLE W/ OVERHEAD WIRES
 GUY WIRE
 GATE POST
 MW-12 -- MONITOR WELL
 RW-3 -- RECOVERY WELL
 PE-8 -- PIEZOMETER

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CADD FILE NAME: 992102.DWG

DAVID J. UHRINEC
PLS #50052

DATE	REVISIONS RECORD/ DESCRIPTION	DRAFTER	CHECK	APPR.

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C.T. MALE ASSOCIATES P.C.

PROJ. NO: 99.2102

DESIGNED:

DRAFTED: MRM

CHECKED:

MAP OF TOPOGRAPHIC SURVEY MAESTRI SITE PART OF FARM LOT 20 PREPARED FOR SPEC Consulting

TOWN OF GEDDES

ONONDAGA COUNTY, NEW YORK

C.T. MALE ASSOCIATES, P.C.
200 GATEWAY PARK DRIVE, BLDG. C, P.O. BOX 3246
NORTH SYRACUSE, NY 13212-3246
315.458.6425 • FAX 315.458.4427ARCHITECTURE & BUILDING SYSTEMS ENGINEERING • CIVIL ENGINEERING
ENVIRONMENTAL SERVICES • SURVEY & LAND INFORMATION SERVICES

SCALE: 1" = 50'

SHEET 1 OF 1

DATE: 9/8/1999

DWG. NO: 99-406

FROM:

C.T. MALE ASSOCIATES, P.C.
200 Gateway Park Drive, Bldg. C
P.O. Box 3246
North Syracuse, NY 13212-3246
Tel. 315.458.6498
FAX 315.458.4427

**LETTER OF TRANSMITTAL**

DATE: 9/15/99 PROJECT NO.: 99.2102

RE: Maestri Site - State Fair Blvd.

TO:

SPEC Consulting
427 Clifton Corporate Park
Clifton Park, NY 12065

WE ARE SENDING YOU☒ ENCLOSED ☐ UNDER SEPARATE COVER

VIA: Mail

ATTN: Mr. Joseph Burke, P.E.

THE FOLLOWING ITEMS:

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> DRAWINGS | <input type="checkbox"/> SPECIFICATIONS | <input type="checkbox"/> SAMPLES | <input type="checkbox"/> REPORT |
| <input type="checkbox"/> COST ESTIMATE | <input type="checkbox"/> COPY OF LETTER | <input type="checkbox"/> PRODUCT LITERATURE | <input type="checkbox"/> LEGAL DESCRIPTION |
| <input type="checkbox"/> CHANGE ORDER | <input type="checkbox"/> MEETING NOTES | <input type="checkbox"/> APPLICATION | <input type="checkbox"/> CERTIFICATION |
| <input type="checkbox"/> PROJECT MANUAL | <input type="checkbox"/> SHOP DRAWING PRINTS | <input type="checkbox"/> PROJECT NARRATIVE | |
| <input type="checkbox"/> OTHER: 3.5" diskette | | | |

NO. OF ORIG.	NO. OF COPIES	IDENT. NO.	DATE	DESCRIPTION	ACTION CODE
	2	99-407	9/1/1999	Topographic Survey - Maestri Site - Town of Geddes	
1		99.2102	9/13/1999	3.5"diskette - 992102.dwg (ACAD Ver14)	

ACTION CODES: FS-FURNISH AS SUBMITTED FC-FURNISH AS CORRECTED R-REJECTED
RR-REVISE AND RESUBMIT S-SUBMIT SPECIFIED ITEM

FOR: ☐ APPROVAL ☒ REVIEW ☒ YOUR USE ☐ INFORMATION ☐ DISTRIBUTION
☐ OTHER:

REMARKS:

COPIES TO:

SIGNED:

NAME: Michael R. Maltby, PLS

TITLE: Assistant Project Surveyor

STATE FAIR BLVD.

MAP NOTES:

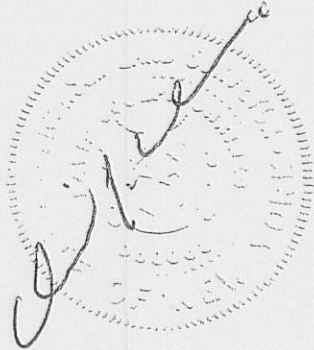
1. ELEVATION DATUM IS NGVD 29.
2. CONTOUR INTERVAL = 1 FT.
3. TOPOGRAPHIC INFORMATION SHOWN HEREON WAS COMPILED FROM AN ACTUAL FIELD SURVEY PERFORMED SEPTEMBER 7, 1999.
4. AREA OF TOPOGRAPHIC SURVEY = 4.33± Ac.
5. ELEVATIONS SHOWN AT MONITOR WELLS ARE AT GROUND.

LEGEND

- OHW --- UTILITY POLE W/ OVERHEAD WIRES
- GUY WIRE
- GP --- GATE POST
- MW-12 --- MONITOR WELL
- RW-3 --- RECOVERY WELL
- PZ-6 --- PIEZOMETER

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DAVID J. UHRINEC
PLS #50052



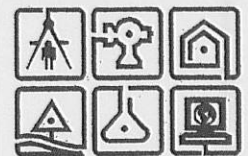
DATE	REVISIONS RECORD/ DESCRIPTION	DRAFTER	CHECK	APPR.	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.
	1				© 1999 C.T. MALE ASSOCIATES P.C.
	2				PROJ. NO: 99.2102
	3				DESIGNED :
	4				DRAFTED : MRM
	5				CHECKED :
	6				
	7				
	8				
	9				

MAP OF TOPOGRAPHIC SURVEY
MAESTRI SITE
PART OF FARM LOT 20
PREPARED FOR
SPEC Consulting

TOWN OF GEDDES

ONONDAGA COUNTY, NEW YORK

C.T. MALE ASSOCIATES, P.C.
200 GATEWAY PARK DRIVE, BLDG. C, P.O. BOX 3246
NORTH SYRACUSE, NY 13212-3246
315.458.6498 * FAX 315.458.4427
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING * CIVIL ENGINEERING
ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES



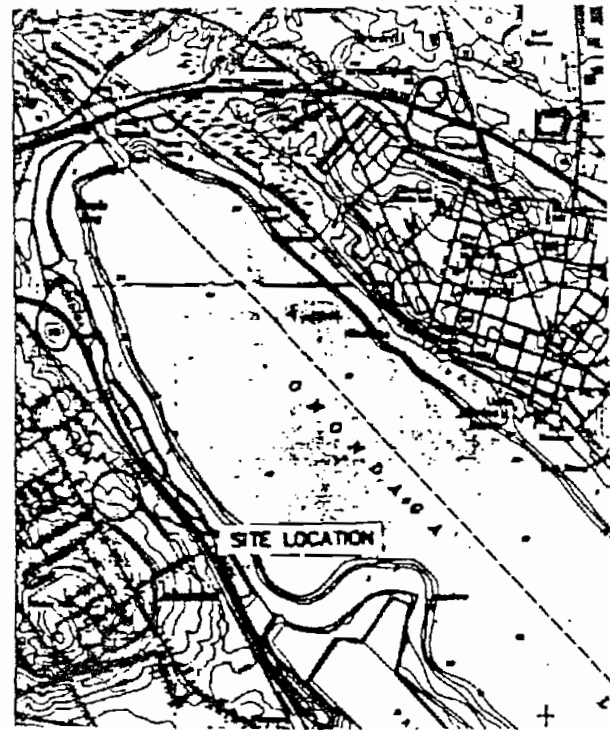
SCALE: 1" = 50'
SHEET 1 OF 1
DATE: 9/8/1999
DWG. NO: 99-406

FILE

COPY

MAESTRI SITE GEDDES, NEW YORK

SOIL REMEDIATION PROJECT



LOCATION MAP
SCALE: 1"=2,000 FEET

JANUARY 12, 1996

STAUFFER MANAGEMENT CO.
WILMINGTON, DELAWARE



O'BRIEN & GERE
ENGINEERS, INC.

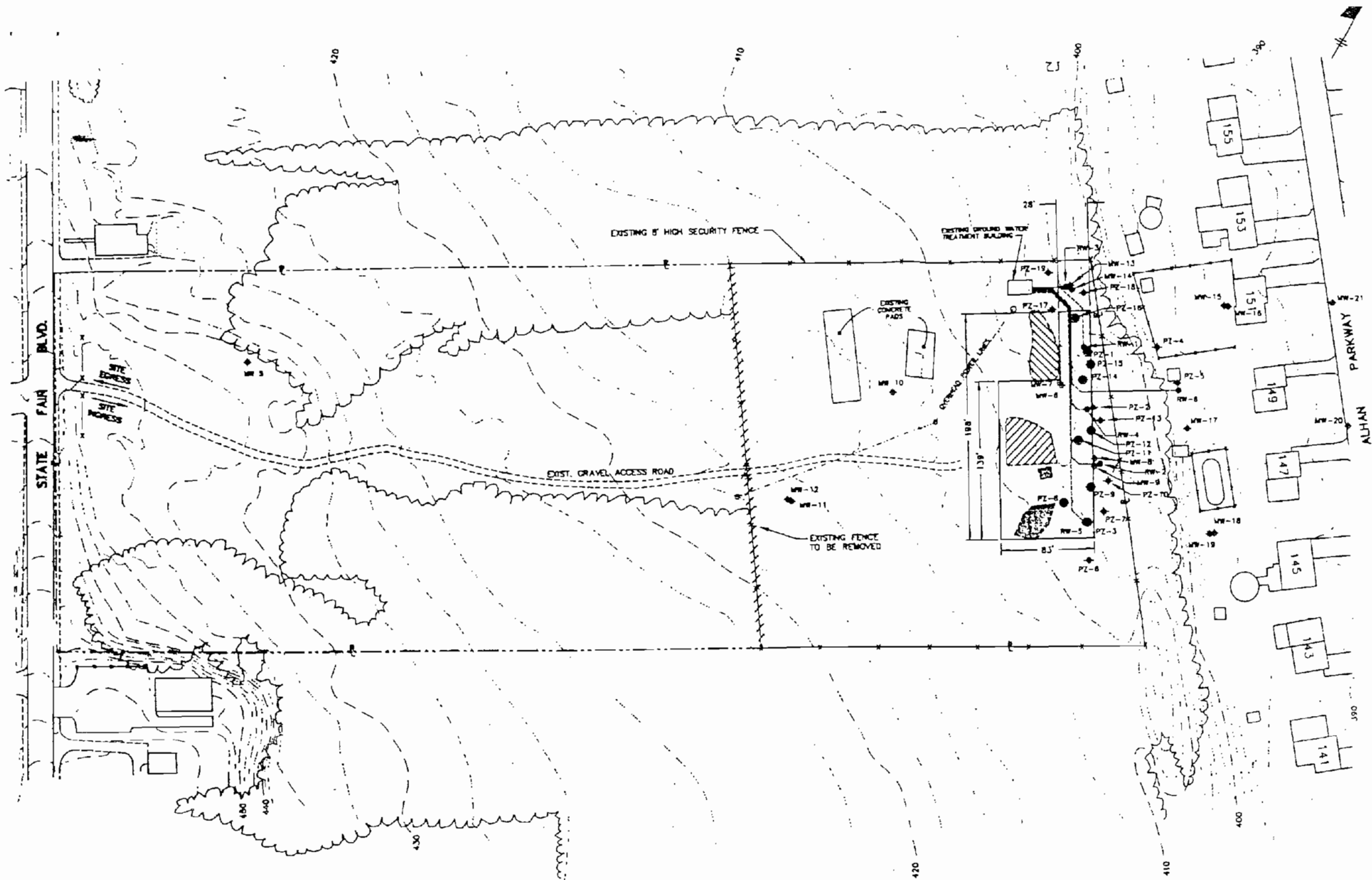


John R. O'Brien

INDEX TO DRAWINGS

TITLE SHEET

- G-1 EXISTING SITE PLAN
- G-2 PROPOSED SOIL TREATMENT PLAN
- G-3 PROCESS SCHEMATICS
- G-4 EXCAVATION SECTIONS
- G-5 BIOPILE PLANS AND SECTION
- G-6 PROFILE, PLANS AND SECTIONS
- G-7 MISCELLANEOUS DETAILS
- G-8 VERIFICATION SAMPLING PLAN
- G-9 SOIL TREATMENT/CONTROL BLDG. PLAN AND SECTIONS
- G-10 MISCELLANEOUS SECTION AND DETAILS
- A-1 SOIL TREATMENT/CONTROL BLDG. PLAN, SECTIONS & GENERAL NOTES
- E-1 POWER PLAN & DETAILS
- E-2 PARTIAL PLAN & DETAILS



1. LIMITS AND AREAS TO BE VERIFIED BY THE CONTRACTOR ARE OF CONSTRUCTION FROM A LIMITED INSTRUMENT SURVEY WAS PERFORMED ONLY TO LOCATE SOIL BORINGS, MONITORING WELLS, PREVIOUS EXCAVATIONS AND SELECTED SITE FEATURES INCLUDING SPOT ELEVATIONS. OTHER SITE DATA SHOWN IS DEVELOPED FROM LAYOUT MAPS WITHOUT FIELD VERIFICATION PROVIDED. OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATIONS, DEPTHS AND EXTENT OF WHICH ARE UNKNOWN. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES WITHIN OR NEAR EXCAVATION AREAS AND NOTIFY THE ENGINEER OF FINDINGS.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL SHEETING, SHORING AND/OR BRACING AND ALL DEWATERING INCIDENTAL AND NECESSARY TO COMPLETE THE WORK. THE STATIC WATER TABLE IN THE VICINITY OF THE PROPOSED WORK AREAS HAS BEEN HISTORICALLY KNOWN TO BE LESS THAN 3 FEET BELOW EXISTING GRADE.
3. LOCATIONS OF ON-SITE STORAGE AND STAGING AREAS, FIELD OFFICE TRAILER(S) ARE TO BE CONFIRMED WITH OWNER PRIOR TO CONSTRUCTION.
4. PROPERTY LINES SHOWN ARE APPROXIMATE. CONTRACTOR TO PERFORM BOUNDARY SURVEY PRIOR TO INSTALLATION OF NEW FENCE.
5. EXISTING FENCE DESIGNATED TO BE REMOVED SHALL NOT BE REMOVED UNTIL NEW FENCE IS CONSTRUCTED AS SHOWN ON DRAWING G-2.
6. WORK LIMITS ARE TO BE WITHIN FENCELINE PROPERTY, UNLESS APPROVED IN WRITING BY STAUFFER MANAGEMENT CO. AHEAD OF TIME. CONTRACTOR SHALL NOT ENTER RESIDENTIAL PROPERTIES WITHOUT APPROVAL OF STAUFFER MANAGEMENT COMPANY.
7. CONTRACTOR IS TO MAINTAIN ACCESS TO AND FROM EXISTING GROUND WATER TREATMENT BUILDING.
8. CONTRACTOR MAY USE EXISTING CONCRETE PADS, HOWEVER, CONTRACTOR SHALL MAKE ANY REQUIRED REPAIRS TO MAKE WATER TIGHT IF PADS ARE TO BE USED AS DECONTAMINATION AREAS.
9. LIMITS OF CLEARING AND GRUBBING SHALL BE WITHIN NEW FENCED IN AREA.
10. SOILS USED TO BACKFILL 1987, 1990, AND 1993 EXCAVATIONS ARE TO BE REMOVED AND STOCKPILED FOR USE AS CLEAN FILL. POLYETHYLENE SHEETING WAS USED TO LINE EXCAVATIONS. CONTRACTOR SHALL NOT USE SOILS BEYOND LINER LIMITS OR BELOW EXISTING WATER TABLE AS CLEAN FILL.
11. ONLY WELLS, PIEZOMETERS, RECOVERY WELLS LOCATED WITHIN THE LIMITS OF THE EXCAVATION SHALL BE REMOVED. IF BOTTOM OF EXCAVATION DOES NOT EXTEND TO BOTTOM OF WELL REMAINING SECTION OF WELL SHALL BE REMOVED AND THE BOREHOLE TREMIED WITH CEMENT/BENTONITE.

LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- 8' HIGH SECURITY FENCE
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- PIEZOMETER TO BE REMOVED
- MONITORING WELL TO BE REMOVED (MW-6, MW-7)
- RECOVERY WELL TO BE REMOVED (RW-1, 4 & 5)
- APPROXIMATE LOCATION OF EXISTING GROUND WATER RECOVERY SYSTEM FORCE MAIN (SEE NOTE 1)
- APPROXIMATE LIMITS OF PROPOSED EXCAVATION
- APPROXIMATE LIMITS OF 1987 EXCAVATION
- APPROXIMATE LIMITS OF 1990 EXCAVATION
- APPROXIMATE LIMITS OF 1993 EXCAVATION
- EXISTING TOPOGRAPHIC SURFACE

MONITORING WELL, PIEZOMETER, RECOVERY WELL	DEPTH OF WELL	SCREENED INTERVAL	MEASURING POINT (+/-) ELEVATION
MW-5	34.51	396.28-413.29	434.50
MW-6	20.40	388.80-401.80	409.28
MW-7	38.27	388.83-378.63	408.99
MW-8	37.04	389.10-379.10	408.02
MW-9	18.20	387.00-397.00	407.51
MW-10	18.48	393.02-403.02	413.92
MW-11	40.48	378.04-388.04	417.46
MW-12	18.18	387.44-407.44	418.36
MW-13	48.44	358.18-368.18	405.68
MW-14	18.83	384.57-394.57	405.18
MW-15	45.03	348.07-358.07	381.04
MW-16	17.82	373.18-383.18	390.57
MW-17	18.10	374.50-384.50	393.28
MW-18	15.85	378.38-388.38	393.58
MW-19	38.96	354.04-364.04	393.28
MW-20	16.72	388.87-378.87	385.88
MW-21	19.08	388.73-378.73	388.58
PZ-1	22.80	382.20-392.20	407.02
PZ-2	19.68	385.84-395.84	407.24

MONITORING WELL, PIEZOMETER, RECOVERY WELL	DEPTH OF WELL	SCREENED INTERVAL	MEASURING POINT (+/-) ELEVATION
PZ-3	20.10	387.70-397.70	409.80
PZ-4	19.50	375.00-385.00	394.50
PZ-5	20.00	373.34-383.34	393.34
RW-1	25.08	383.31-393.31	406.06
RW-2	20.84	386.06-396.06	406.46
RW-3	25.33	381.97-391.97	407.02
RW-4	22.95	386.35-396.35	408.90
RW-5	24.53	388.17-398.17	409.87
RW-6	21.86	374.74-384.74	393.29

NOTE: * PVC
= STAINLESS STEEL

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0	12/19/95	SUBMITTED FOR NYSDEC REVIEW	

APPROX. SCALE IN FEET
1" = 50'
50 0 50 100

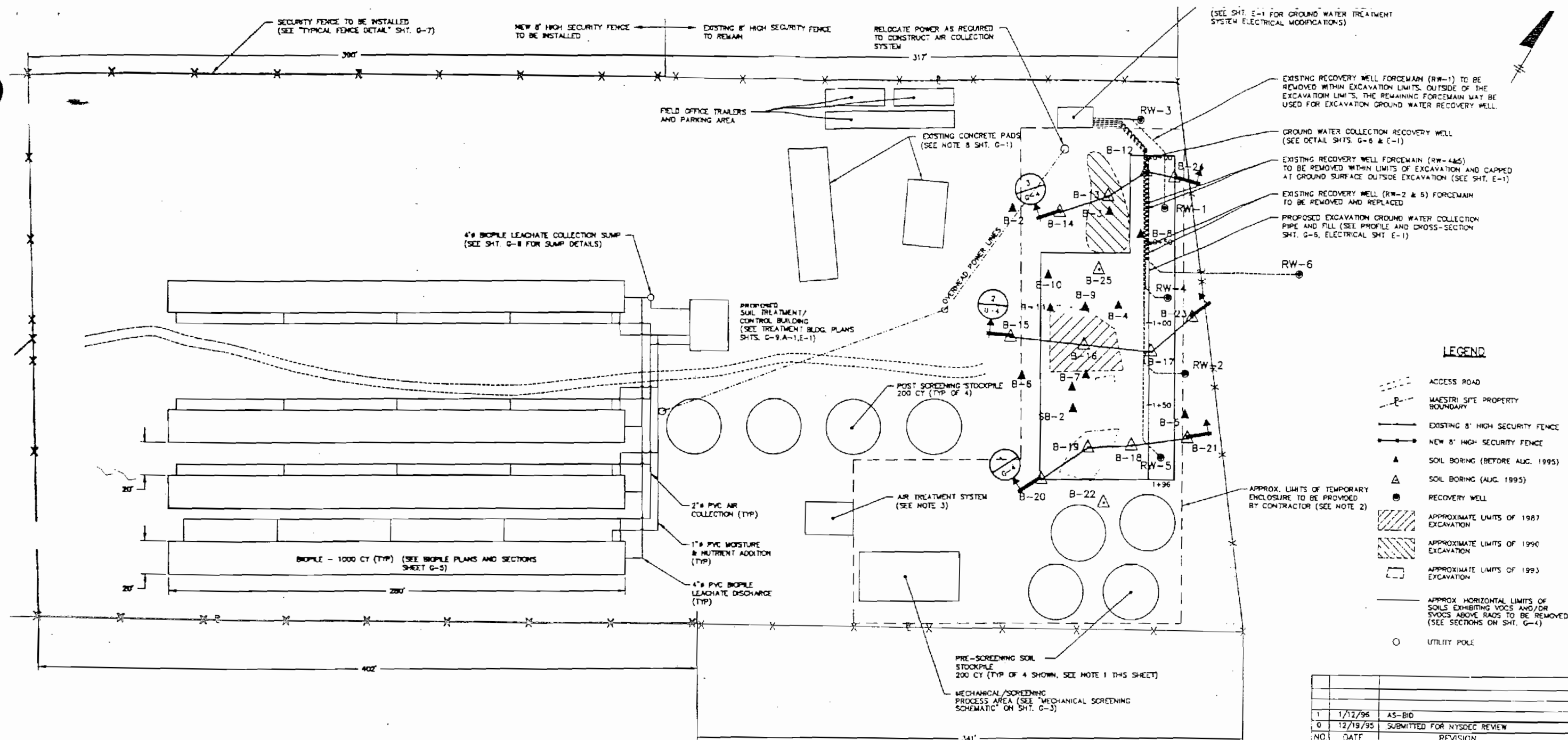


STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE
MAESTRI SITE GEDDES, NEW YORK
SOIL REMEDIATION PROJECT

GENERAL

EXISTING SITE PLAN

In charge of <i>[Signature]</i>	FILE NO.	G-1
Designed by <i>[Signature]</i> Checked by <i>[Signature]</i>	5818.005-22*	
Drawn by <i>[Signature]</i>	DATE	R-1
	DEC 19, 1995	



NOTES

1. ACTUAL LOCATION AND NUMBER OF 200 C.Y. PRE-MECHANICAL SCREENING STOCKPILES TO BE DETERMINED IN THE FIELD BASED ON PLACEMENT AND SIZE OF AIR COLLECTION SYSTEM AND RATE OF SOIL EXCAVATION AND MECHANICAL SCREENING.
2. CONTRACTOR TO FURNISH AND INSTALL TEMPORARY ENCLOSURES OVER EXCAVATION, STOCKPILING, AND MECHANICAL SCREENING PROCESS. THE TYPE, NUMBER, SIZE AND LEVELING OF THE ENCLOSURES AND THE AIR COLLECTION SYSTEM TO BE DETERMINED BY THE CONTRACTOR.
3. LOCATION SHOWN FOR LIMITS OF STRUCTURES, MECHANICAL SCREENING PROCESS AREA AS WELL AS PRE AND POST MECHANICAL SCREENING STOCKPILE AREAS AND AIR TREATMENT SYSTEM ARE CONCEPTUAL ONLY WITH CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD LAYOUT SUBJECT TO PRIOR REVIEW BY ENGINEER.
4. RECOVERY WELL RW-6 & RW-3 SHALL REMAIN OPERATIONAL THROUGH DURATION OF SOIL AND GROUND WATER REMEDIATION PROJECT.

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0	12/19/95	SUBMITTED FOR NYSDEC REVIEW	

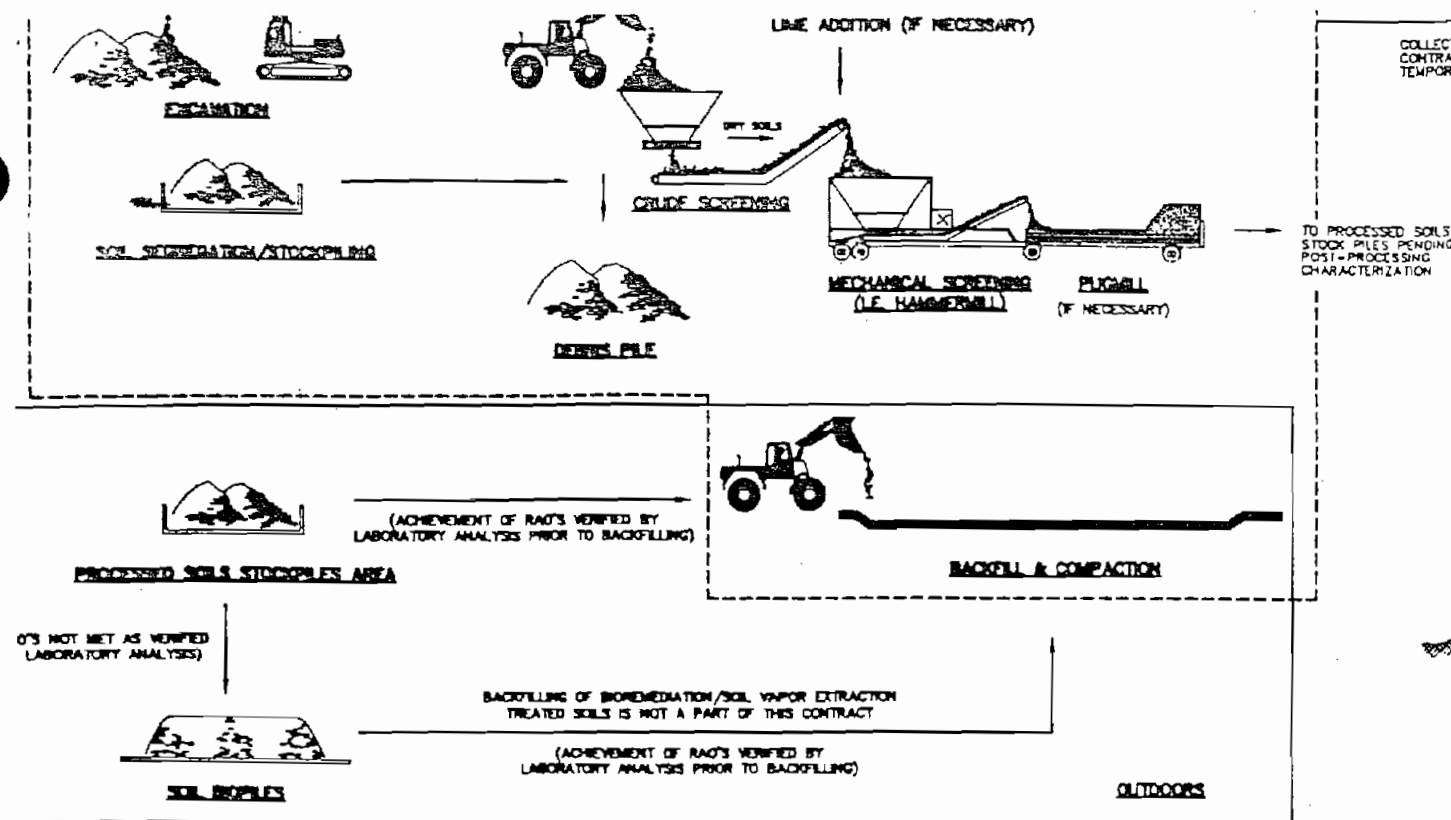
APPROX. SCALE IN FEET
1" = 30'



STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE
MAESTRI SITE GEDDES, NEW YORK
SOIL REMEDIATION PROJECT

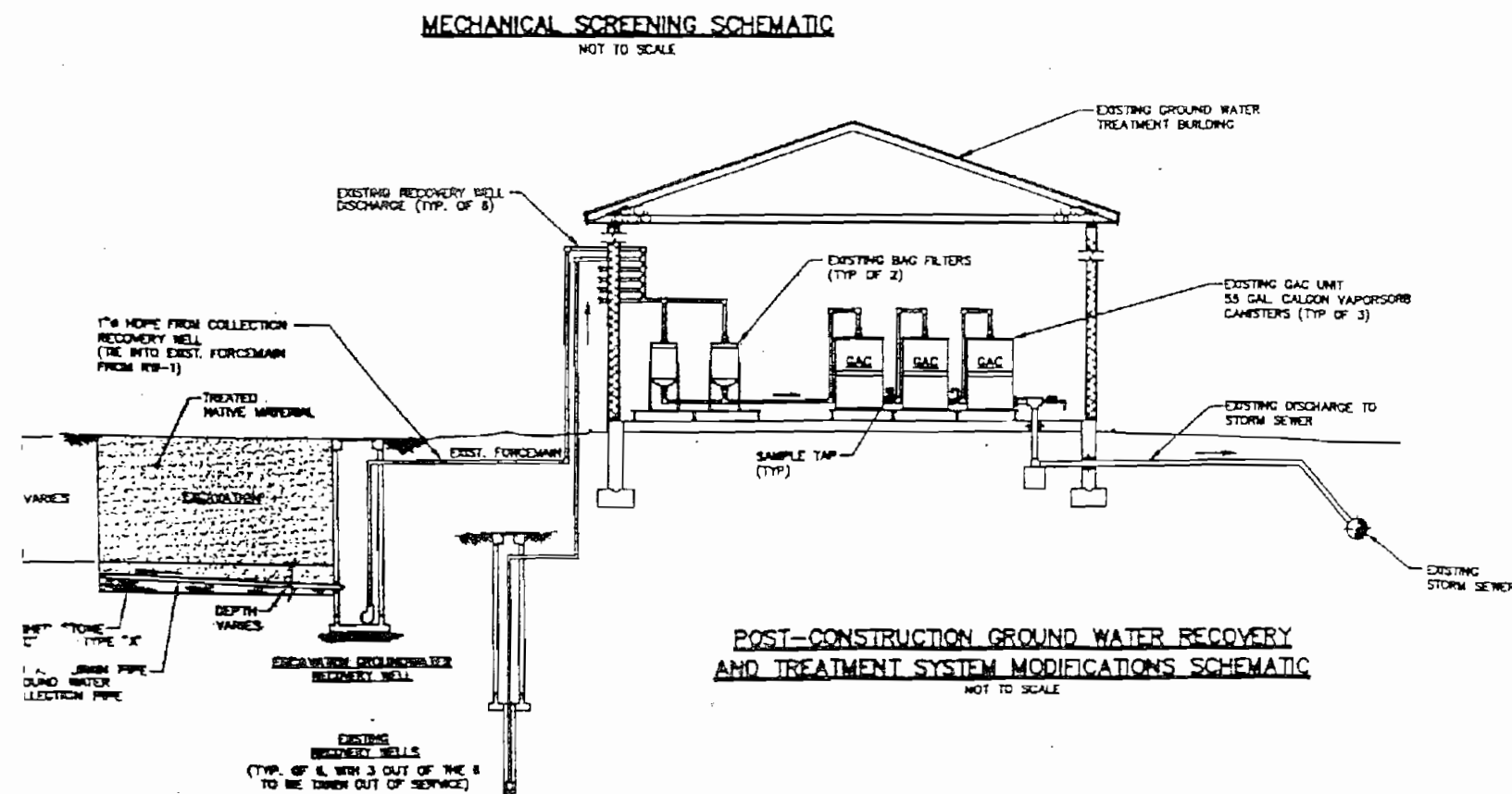
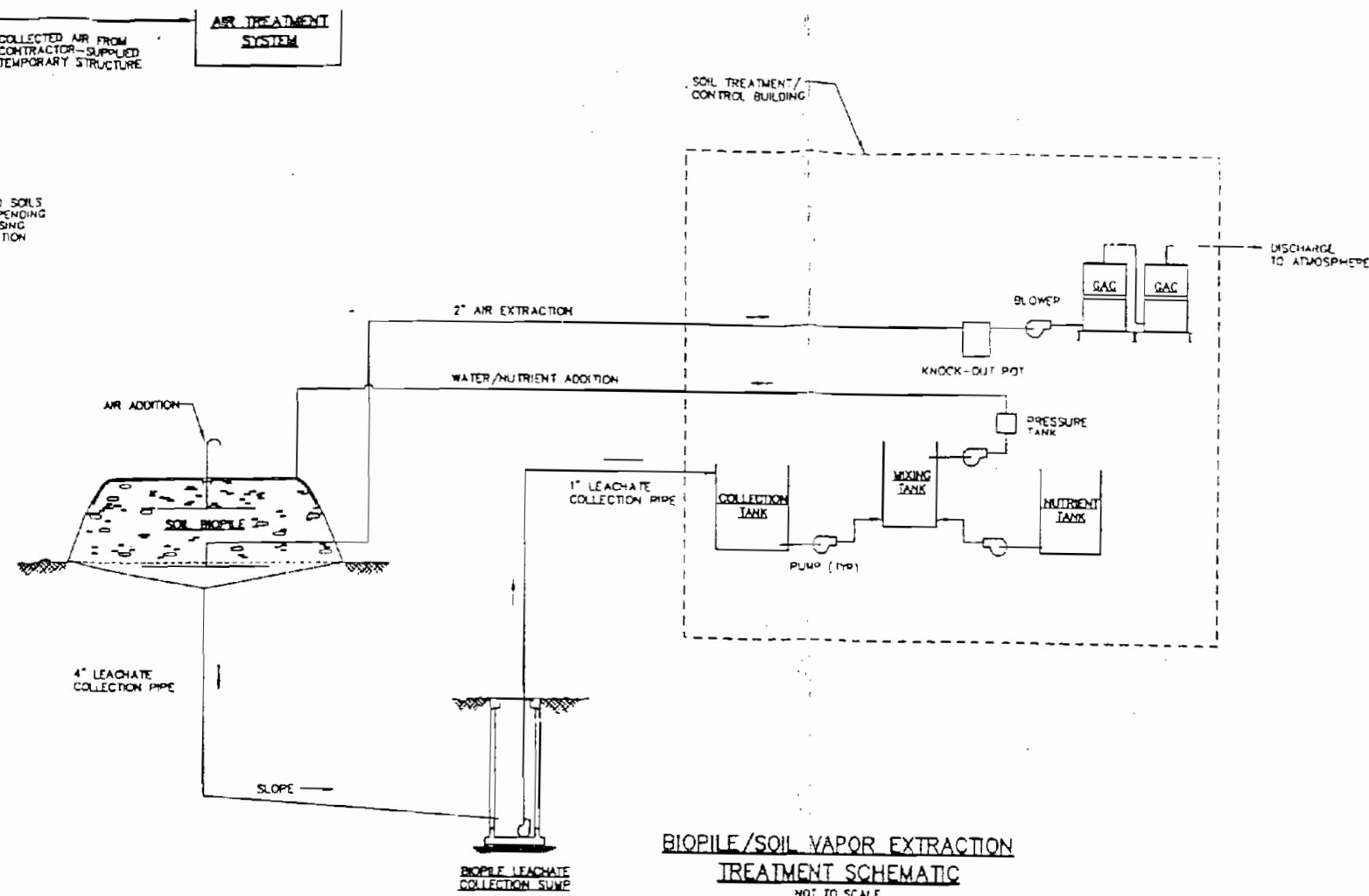
PROPOSED SOIL TREATMENT PLAN

In charge of <i>[Signature]</i>	FILE NO.	G-2
Designed by <i>[Signature]</i> Checked by <i>[Signature]</i>	5618.005-23F	
Drawn by <i>[Signature]</i>	DATE	R-1
	DEC 19, 1995	



NOTES:

1. AIR COLLECTION AND TREATMENT SYSTEM FOR EXCAVATION AND MECHANICAL SCREENING CONSISTING OF ENCLOSURE, OVER EXCAVATION, STOCKPILING, MECHANICAL SCREENING, BLOWERS, PARTICULATE FILTRATION, GRANULAR ACTIVATED CARBON FILTERS, AND FITTINGS NOT SHOWN. AIR COLLECTION AND TREATMENT SYSTEM SHALL BE PROVIDED TO REMOVE DUST AND VOC'S/SVOC'S, AND PRESSURE RELEASE OF DUST AND VOC'S/SVOC'S TO THE ENVIRONMENT OUTSIDE THE ENCLOSURES.
2. EQUIPMENT SHOWN IS CONCEPTUAL AND DOES NOT IDENTIFY MEANS AND METHODS TO BE UTILIZED BY THE CONTRACTOR.



LEGEND

GAC - GRANULAR ACTIVATED CARBON
UNITS (55 GALLONS)

RAO - REMEDIAL ACTION OBJECTIVES

PARAMETER	SOIL CLEAN-UP LEVEL (mg/kg)
BENZENE	0.06
ETHYLBENZENE	2.5
TETRACHLOROETHENE	1.4
TOLUENE	1.5
1-1,2-DICHLOROETHENE	0.3
XYLENE	1.2
TOTAL VOC's	10
2-METHYLPHENOL	0.1
2,4-DIMETHYLPHENOL	0.1
BENZONIC ACID	2.7
4-METHYLPHENOL	0.9
TOTAL SVOC's	500

NE - NONE ESTABLISHED

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4/19/95	ADDENDUM #5	
1 1/12/98	AS-BID	
0 12/19/95	SUBMITTED FOR NYSDEC REVIEW	
NO. DATE	REVISION	

NOT TO SCALE

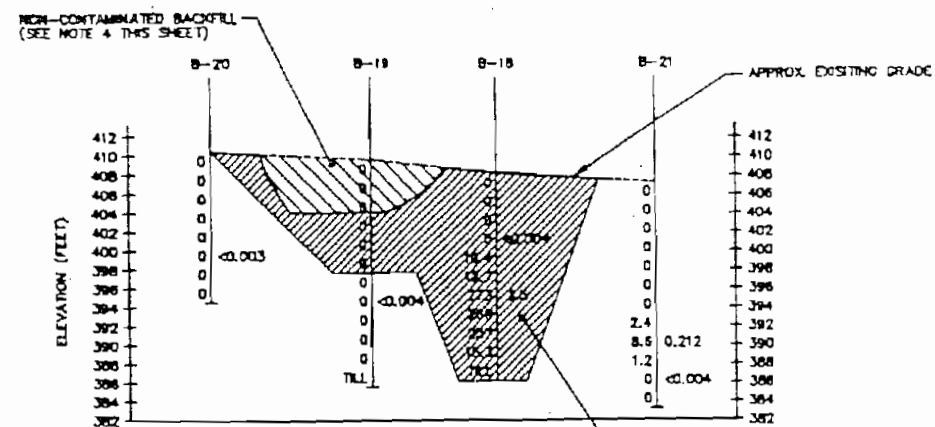


STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE
MAESTRI SITE GEDDES, NEW YORK
SOIL REMEDIATION PROJECT
CONTRACT NO.1

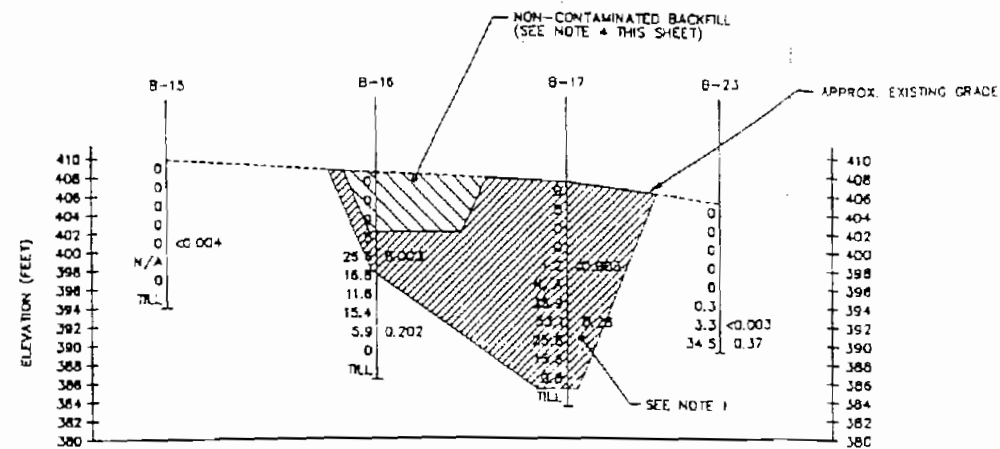
GENERAL

PROCESS SCHEMATICS

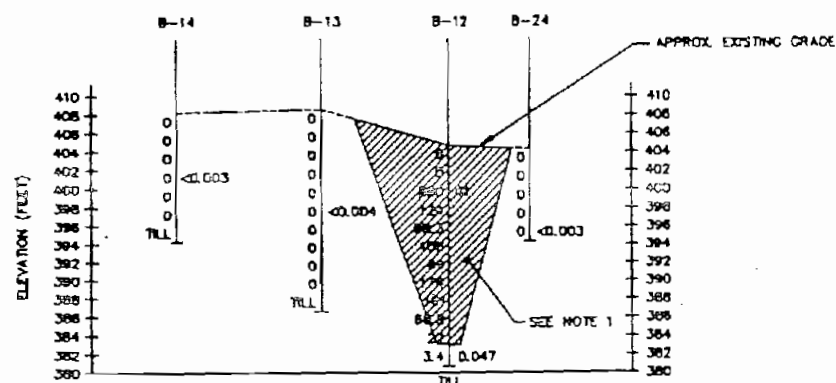
In charge of <u>135-1-244</u>	FILE NO. 5818.005-277	G-3
Designed by <u>CR</u> Checked by <u>??</u>	DATE DEC 19, 1995	R-2
Drawn by <u>THW/14</u>		



SECTION 1
SCALE: HORIZ. 1"=20'
VERT. 1"=10'



SECTION 2
SCALE: HORIZ. 1"=20'
VERT. 1"=10'



SECTION 3
SCALE: HORIZ. 1"=20'
VERT. 1"=10'

NOTES:

1. SECTIONS ARE BASED ON DATA OBTAINED DURING REMEDIAL INVESTIGATION COMPLETED IN 1991 AND PRE-DESIGN INVESTIGATIONS CONDUCTED IN AUGUST 1995. ACTUAL VERTICAL AND HORIZONTAL LIMITS MAY BE SMALLER OR LARGER THAN SHOWN BASED ON EXCAVATION SCREENING AND SOIL SAMPLING AND ANALYSIS. CONTRACTOR TO EXCAVATE SOILS EXHIBITING VOC'S/SVOC'S ABOVE THE RAO'S AS DIRECTED BY ENGINEER TO THE TILL LAYER.
2. HISTORICAL HIGH GROUNDWATER TABLE IS 3 FEET BELOW GROUND SURFACE. CONTRACTOR SHALL DEWATER EXCAVATION AT ALL TIMES DURING SOIL EXCAVATION, SAMPLING, AND BACKFILLING ACTIVITIES.
3. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL RULES AND REGULATIONS PERTAINING TO EXCAVATION AND TREATMENT OF SOILS WITHIN AN ENCLOSURE.
4. CONTRACTOR SHALL EXCAVATE SOILS PREVIOUSLY USED AS BACKFILL FOR 1987, 1990 AND 1993 EXCAVATION AND STOCKPILE ON SITE FOR USE AS CLEAN FILL. THESE SOILS WERE PLACED ON LINERS.
5. PRIOR TO EXCAVATION, NON-CONTAMINATED TOPSOIL TO BE SCRAPED OFF AND STOCKPILED FOR USE AS CLEAN FILL FOLLOWING REMEDIATION.

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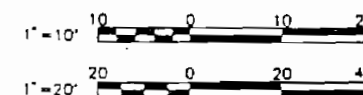
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LEGEND

- RAO'S REMEDIAL ACTION OBJECTIVES
- VOC VOLATILE ORGANIC COMPOUNDS (EPA METHOD 8020)
- 3.5 TOTAL VOC'S CONCENTRATION (MG/KG), DRY WEIGHT
- 0 HEAD-SPACE SCREENING RESULTS (PPMV)
- SOILS THAT MAY EXHIBIT VOC'S OR SVOC'S IN EXCESS OF RAO'S TO BE EXCAVATED (SEE NOTE 1)
- SOILS PREVIOUSLY BROUGHT ON SITE AND USED AS BACKFILL (SEE NOTE 3)

NO.	DATE	REVISION	INIT.
1	1/12/95	AS-BID	RL
2	12/19/95	SUBMITTED FOR NYSDEC REVIEW	RL

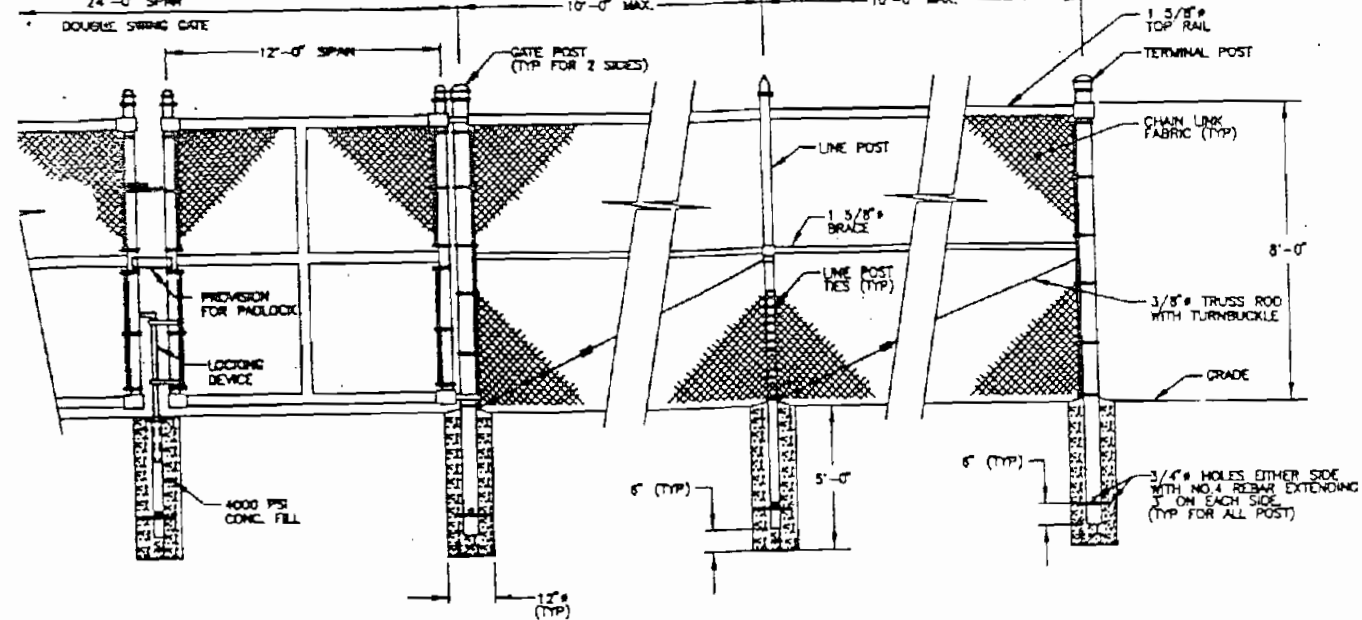


STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE
MAESTRI SITE GEDDOES, NEW YORK
SOIL REMEDIATION PROJECT

GENERAL

EXCAVATION SECTIONS

In charge of <i>Robert B. L. L. L.</i>	FILE NO.	G-4
Designed by <i>RL</i> Checked by <i>RL</i>	5618.005-20F	
Drawn by <i>RL</i>	DATE	R-1
	DEC 19, 1995	

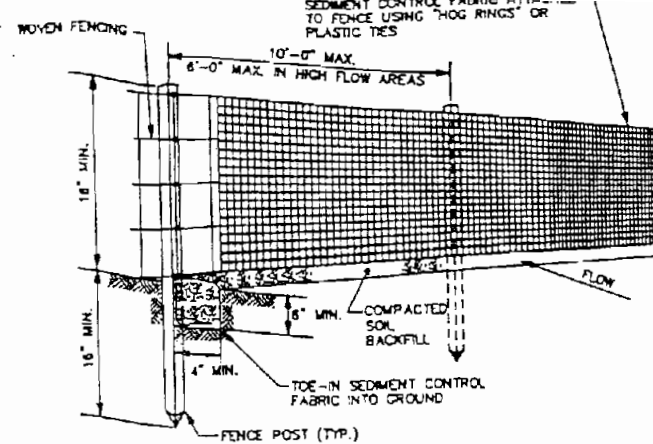


- NOTES:**

1. PROVIDE TERMINAL POST AT EACH TERMINATION AND CHANGE IN HORIZONTAL OR VERTICAL DIRECTION 30' OR MORE. THEY SHALL BE PLUMB WITH TOPS PROPERLY ALIGNED.
2. ALL CHAIN LINK FENCING AND GATES TO BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE HARDENED SECURITY PAD LOCKS, MASTER MODEL, 83277A-101018 (GRANDPRÉ STOCK) OR OF EQUAL QUALITY. KEYS ARE TO BE AS USED ON EACH ACCESS HATCH. ALL KEYS ALIGNED AT ALL GATES. PROVIDE 2 EXTRA LOCK SETS KEYS THE SAME AS THE OTHERS AND (10) KEYS.

CHAIN LINK FENCE & GATE DETAIL

NOT TO SCALE



- NOTES:

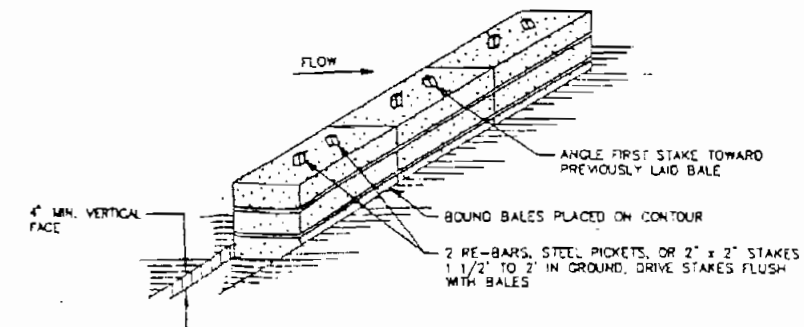
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. SEDIMENT CONTROL FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. CURBED SEDIMENT CONTROL FABRIC MIN 6" INTO GROUND.
3. WHEN TWO SECTIONS OF SEDIMENT CONTROL FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY MIN. SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. FENCE TO BE ALIGNED ALONG CONTOUR AS CLOSELY AS POSSIBLE.

POSTS : STEEL (EITHER "T" OR "U"
TYPE) OR 2" HARDWOOD
ALL MIN. 36" LENGTH

FENCE : WOVEN WIRE: MIN. 14.5 GAUGE
6" MAX MESH OPENING

SEDIMENT CONTROL FABRIC,
MINIMUM TENSILE STRENGTH
OF 120 LBS/100 LBS
(MO/CO) (ASTM D4632)

PREFABRICATED UNIT :
WRAP ENVIROFENCE, OR
APPROVED EQUAL



- ## NOTES

1. BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE BACKMOST END BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. THE STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR PURPOSE, SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.

STRAW BALE DIKE DETAIL

NOT TO SCALE

1	12/12/04	AT 1781	12/12/04
U	12/19/95	SUBMITTED FOR NYSDCL REVIEW	12/19/95
NO	DATE	REVISION	INIT

NOT TO SCALE



are STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE
MAESTRI SITE GEDDOES, NEW YORK
SOIL REMEDIATION PROJECT

MAESTRI SITE GEDDES, NEW YORK
SOIL REMEDIATION PROJECT

SOIL REMEDIATION PROJECT

GENERAL

MISCELLANEOUS DETAILS

in charge of Alber
Designed by 113 Checked by R
Drawn by AWH

Designed by RL Checked by DR
Drawn by AWH

Drawn by A. W. H.

FILE NO.

5418.005-28F

DATE
DEC 19, 1995

DEC 19, 1995

G-7

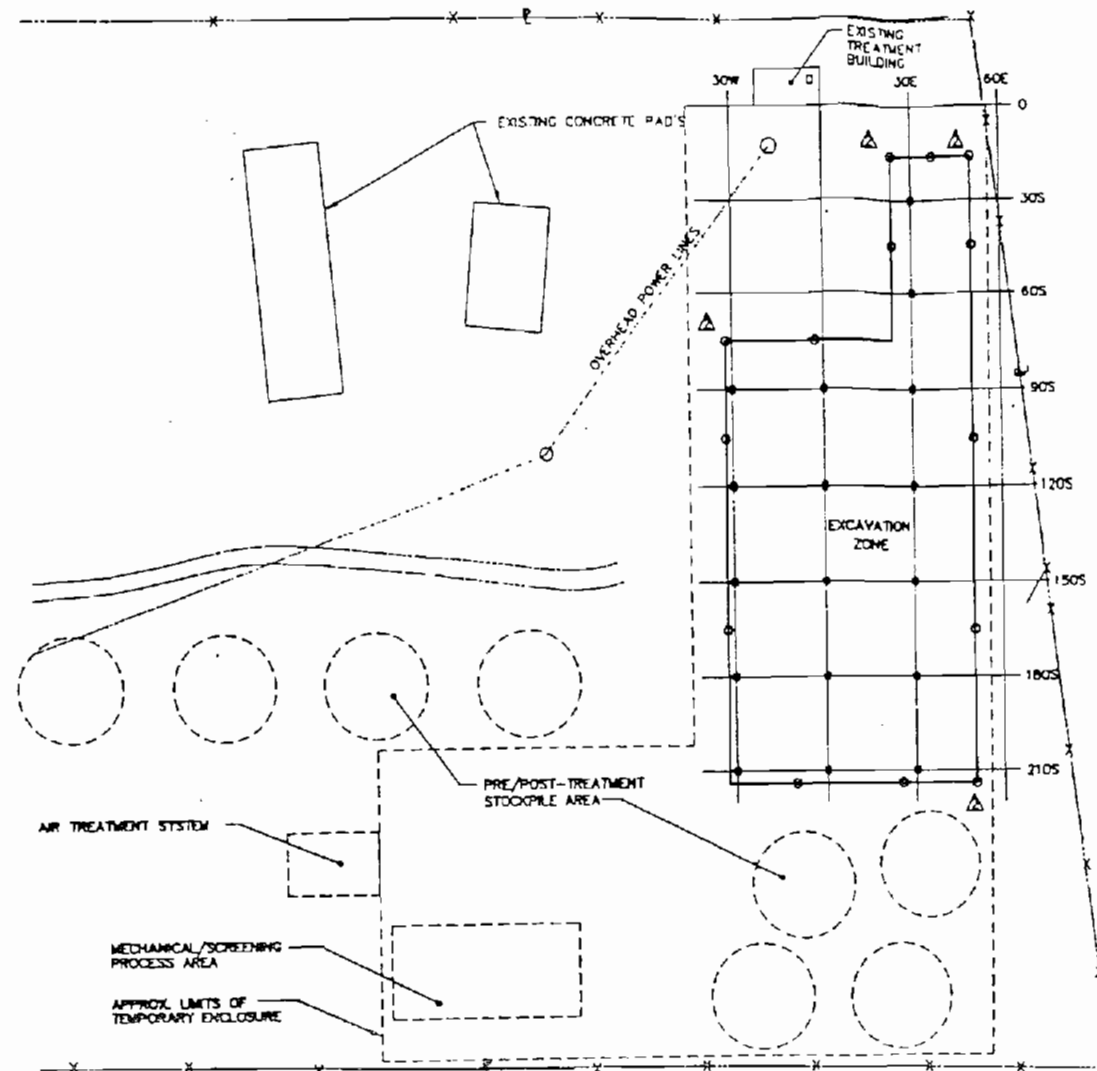
1 R-1



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UWW H: \5618005\71\28f



NOTES:

1. SAMPLING NODES ARE PLACED ON A 30 FOOT SQUARE GRID PATTERN. GRID LINE DESIGNATIONS ARE BASED ON THE DISTANCE FROM THE EAST CORNER OF THE EXISTING TREATMENT BUILDING WHICH SHALL SERVE AS A HORIZONTAL CONTROL POINT FOR DOCUMENTING THE LIMITS OF THE EXCAVATION.
2. DUE TO SITE CONSTRAINTS, THE EASTERN EDGE OF THE EXCAVATION IS LIMITED TO THAT SHOWN ON THIS SHEET. FURTHER EXCAVATION BEYOND THE EASTERN EDGE OF THE EXCAVATION IS OUTSIDE THE SCOPE OF THIS CONTRACT.

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LEGEND

- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- 5' HIGH SECURITY FENCE
- LIMITS OF PROPOSED EXCAVATION
- VERIFICATION SAMPLING NODE
- SIDEWALL SAMPLING NODE

NO.	DATE	REVISION	INIT.
1	4/19/96	ADDENDUM #5	
1	1/12/96	AS-BID	
0	12/19/95	SUBMITTED FOR NYSDC REVIEW	

APPROX. SCALE IN FEET
1"=30'
30 0 30 60



STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE
MAESTRI SITE GEDDES, NEW YORK
SOIL REMEDIATION PROJECT

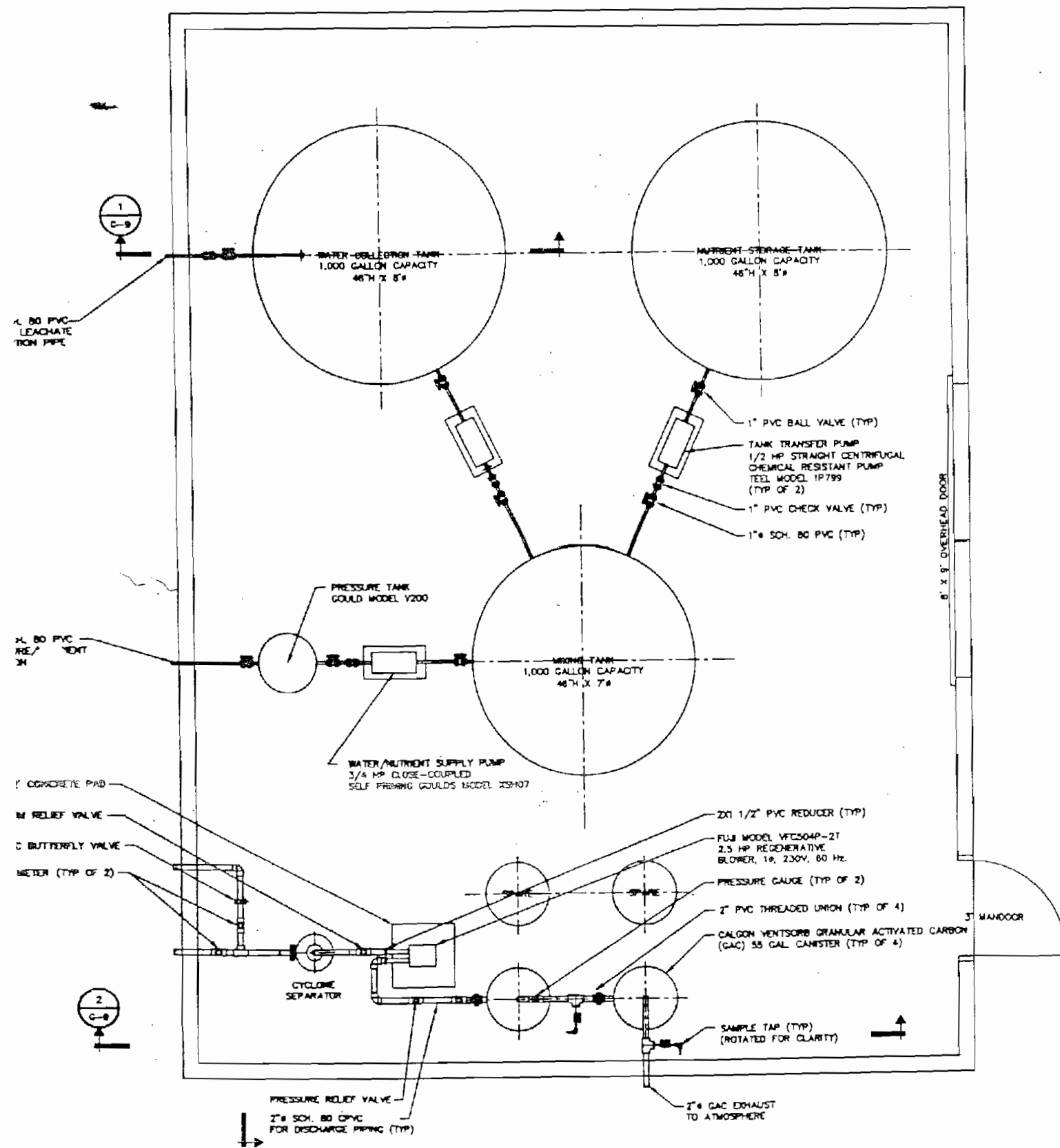
GENERAL

VERIFICATION SAMPLING PLAN

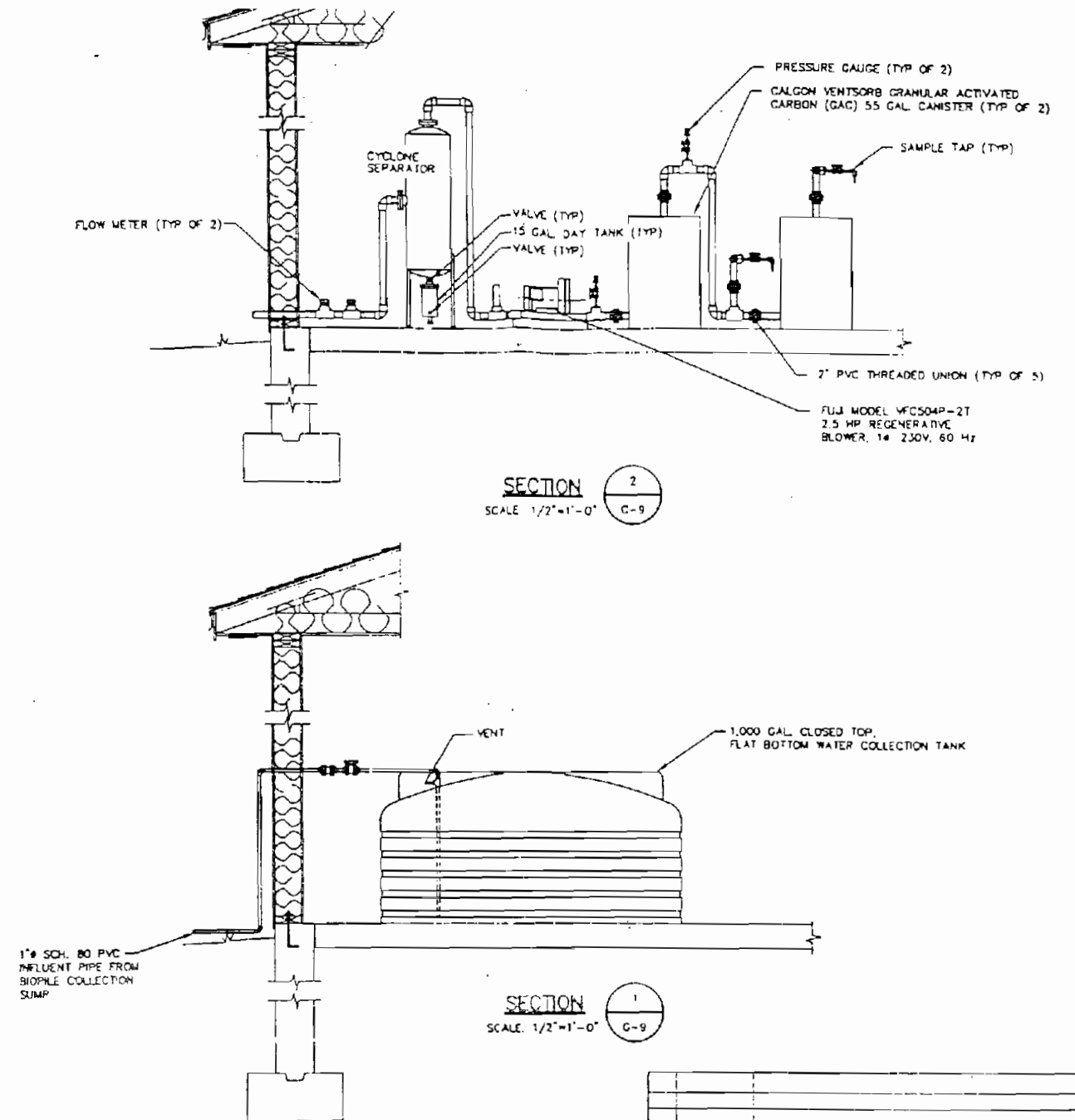
In charge of <i>[Signature]</i>	FILE NO. 5618.005-25F	G-8
Designed by <i>[Signature]</i> Checked by <i>[Signature]</i>	DATE 12/19/95	P-2
Drawn by <i>[Signature]</i>		

ADD. #5

REF. #G-8



BLDG. PLAN
SCALE: 1/2"=1'-0"

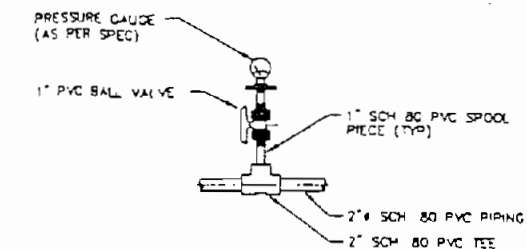
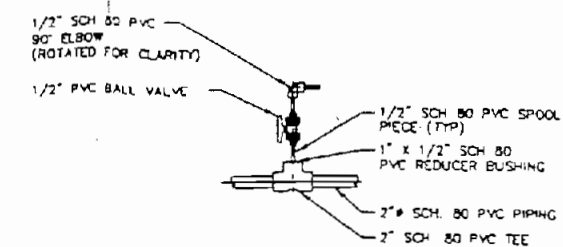
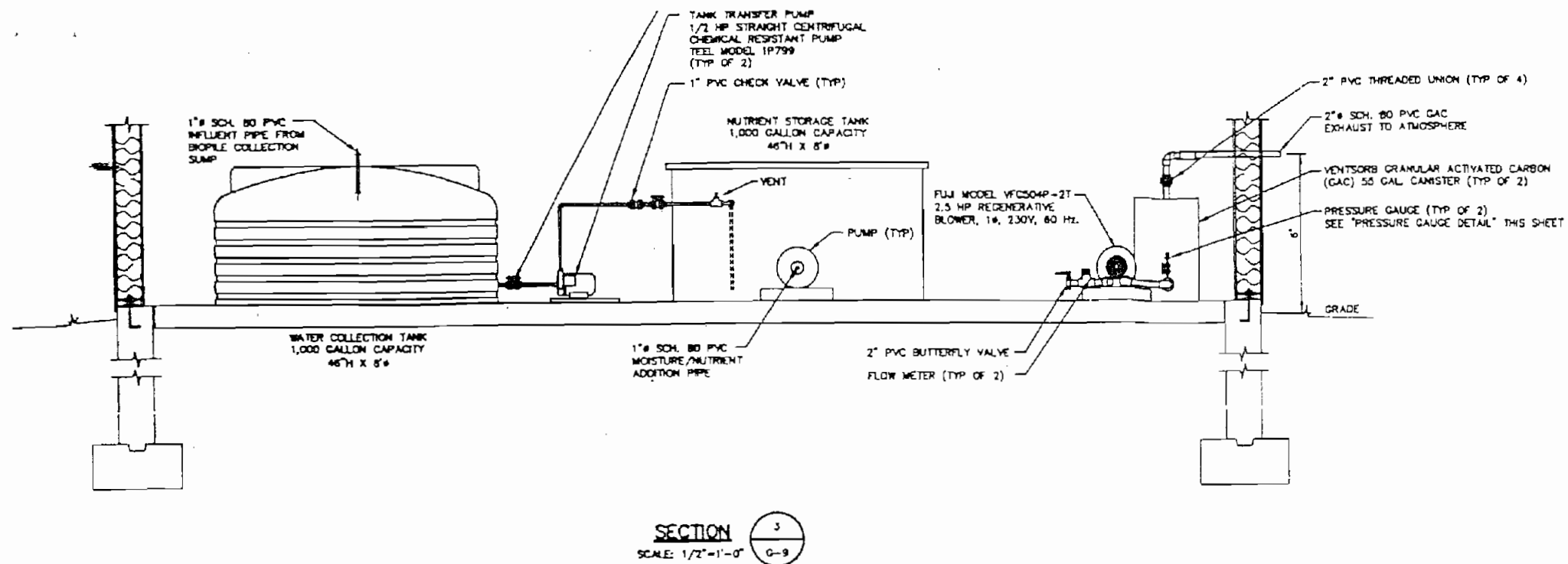


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0	12/19/95	SUBMITTED FOR NYSDEC REVIEW		
NO	DATE	REVISION	BY	UNIT
STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE MAESTRI SITE GEDDES, NEW YORK SOIL REMEDIATION PROJECT				
GENERAL SOIL TREATMENT/CONTROL BLDG. PLAN AND SECTIONS				
In charge of	FILE NO.			
Designed by	5618.003-31F	G-9		
Checked by	DATE			
Drawn by	DEC 19, 1995	R-1		



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0	12/19/95	SUBMITTED FOR NYSDEC REVIEW	JS

1/2"=1'-0" 0 1 2 3 4 5

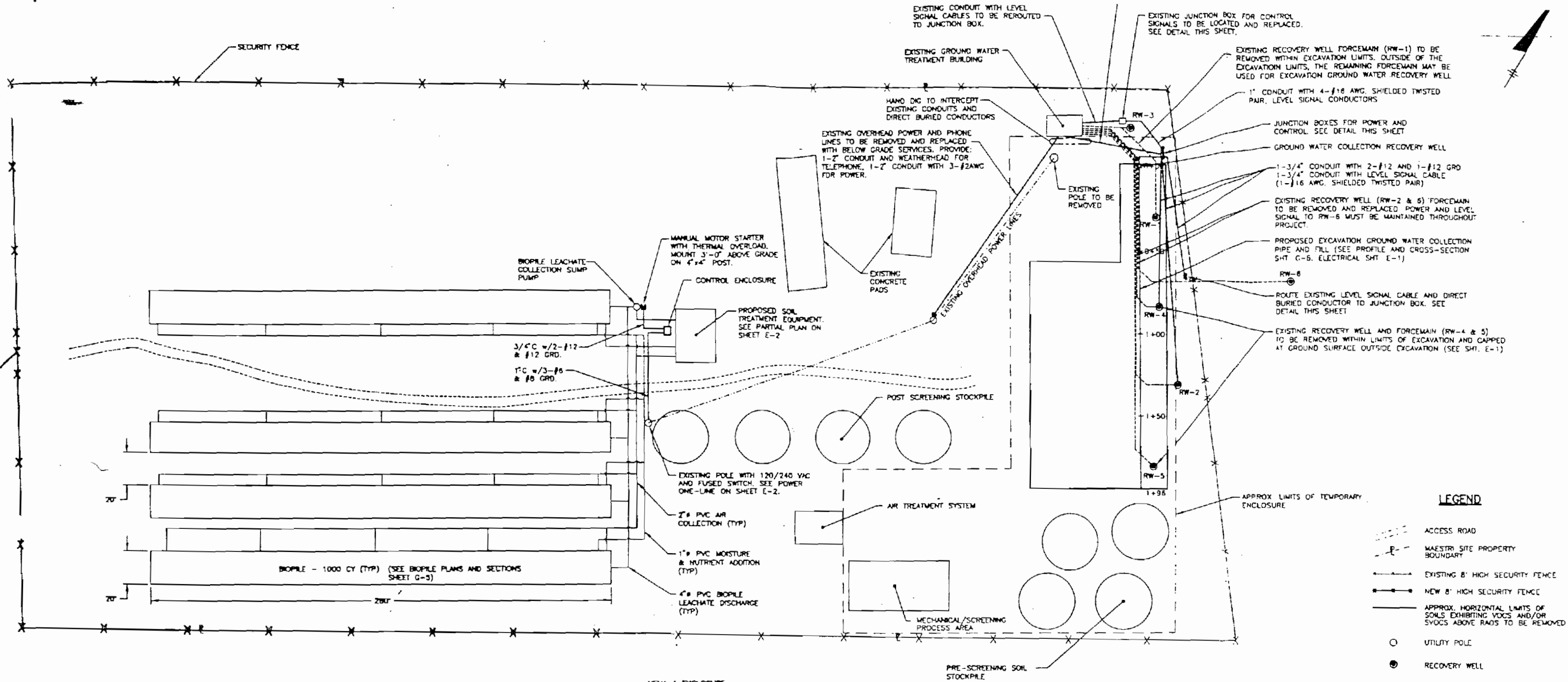
CHADREN & GERE
ENGINEERS, INC.

STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE
MAESTRI SITE GEDDES, NEW YORK
SOIL REMEDIATION PROJECT

GENERAL
**MISCELLANEOUS SECTION
AND DETAILS**

In charge of: <i>[Signature]</i>	FILE NO. 5618.005-328	G-10
Designed by: <i>[Signature]</i> Checked by: <i>[Signature]</i>	DATE DEC 19, 1995	R-1
Drawn by: <i>[Signature]</i>		

In charge of <u>RAE</u>	FILE NO. 5818.005-24F	A-1
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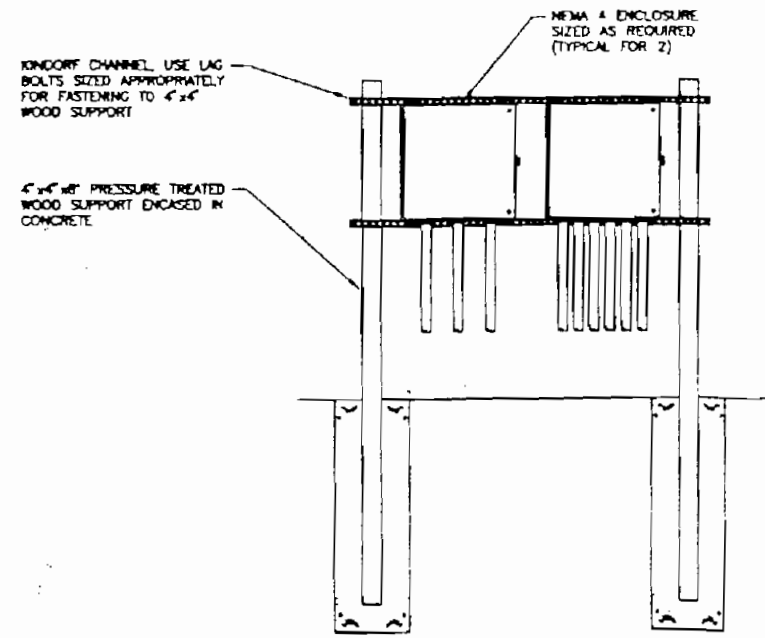


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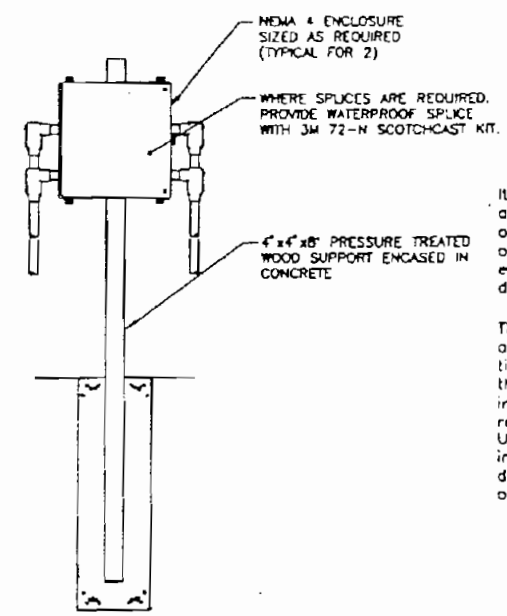
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- EXISTING 8' HIGH SECURITY FENCE
- NEW 8' HIGH SECURITY FENCE
- APPROX. HORIZONTAL LIMITS OF SOILS EXHIBITING VOCs AND/OR SVOCs ABOVE RAOS TO BE REMOVED
- UTILITY POLE
- RECOVERY WELL

NOTES:

1. ALL ELECTRICAL WORK SHOWN IS NEW UNLESS NOTED OTHERWISE.
2. ALL BURIED CONDUIT SHALL BE PVC SCHEDULE 40, UNLESS NOTED OTHERWISE. MINIMUM COVER FOR BURIED CONDUIT SHALL BE 18 INCHES.
3. ALL EXPOSED CONDUIT SHALL BE INTERMEDIATE METALLIC CONDUIT UNLESS NOTED OTHERWISE.
4. ALL ELECTRICAL WORK ASSOCIATED WITH BIOPILES IS CONTINGENT UPON ACTUAL SOIL CONDITIONS. SEE "SPECIAL PROVISIONS" IN CONTRACT. THIS INCLUDES THE CONTROL ENCLOSURE DETAILED ON SHEET E-2 AND ALL EQUIPMENT AND POWER CONNECTED TO IT.
5. REFER TO GENERAL PLANS FOR WORK BY OTHER TRADES.



POWER AND CONTROL JUNCTION BOX DETAIL
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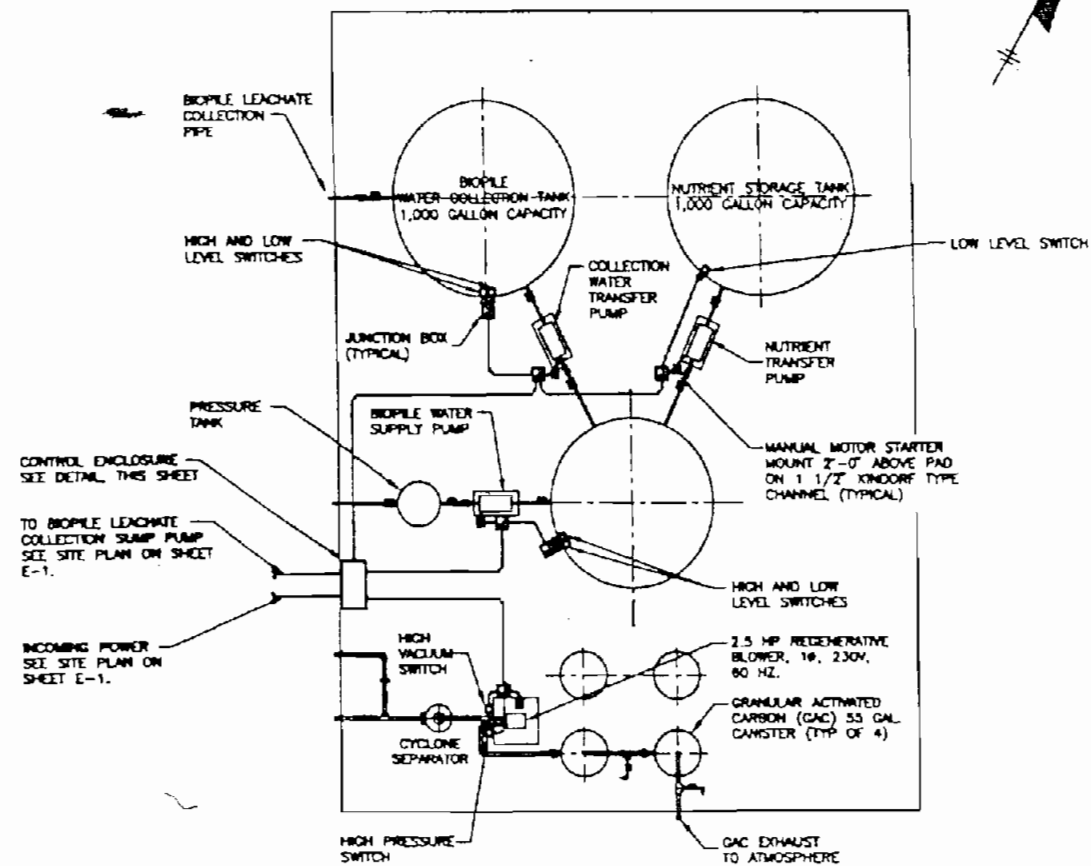
RW-3 & RW-6 JUNCTION BOX DETAIL
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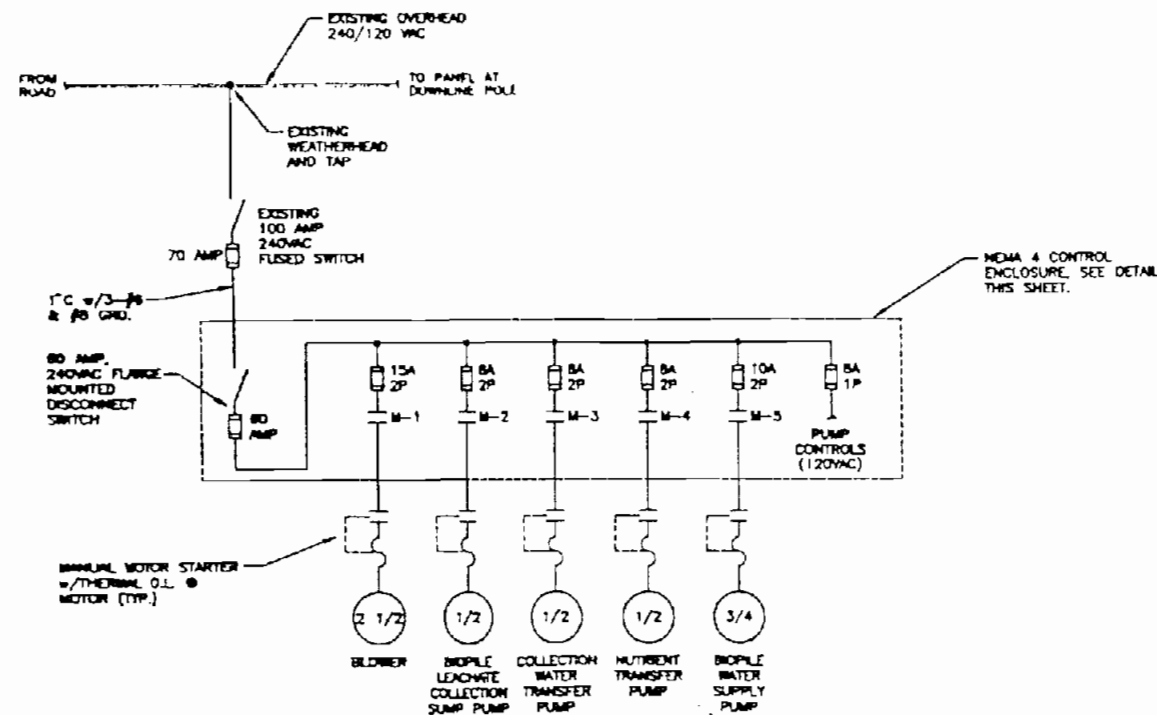
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1	1/12/96	AS-BID	
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NO.	DATE	REVISION	
<p>APPROX. SCALE IN FEET</p> <p>1" = 30'</p>			
<p>O'BRIEN & GERE ENGINEERS, INC.</p>			
<p>STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE MAESTRI SITE GEDDES, NEW YORK SOIL REMEDIATION PROJECT</p>			
<p>ELECTRICAL</p> <p>POWER PLAN AND DETAILS</p>			
In charge of <i>[Signature]</i>	FILE NO.	E-1	
Designed by <i>[Signature]</i> Checked by <i>[Signature]</i>	5018.005-30F		
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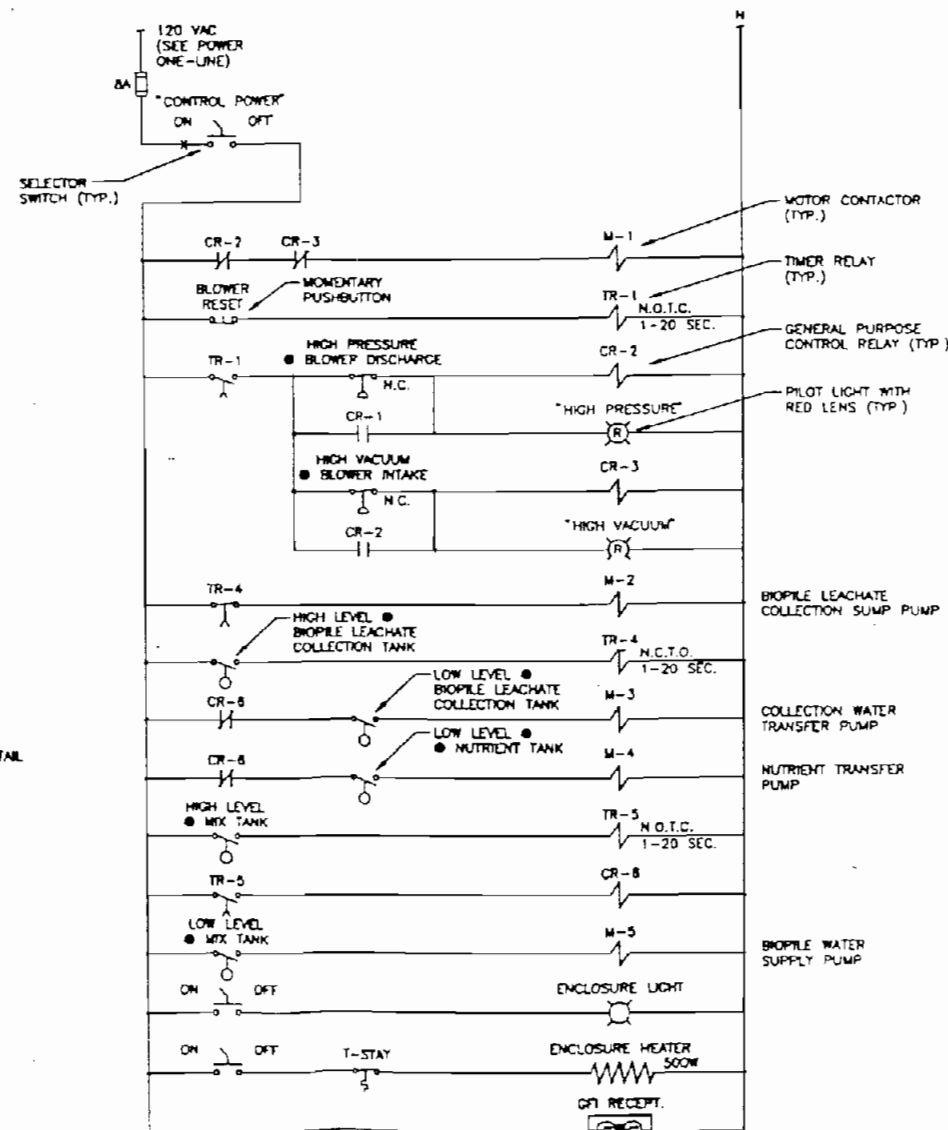
PARTIAL PLAN
SCALE 1/4" = 1'-0"



POWER ONE-LINE

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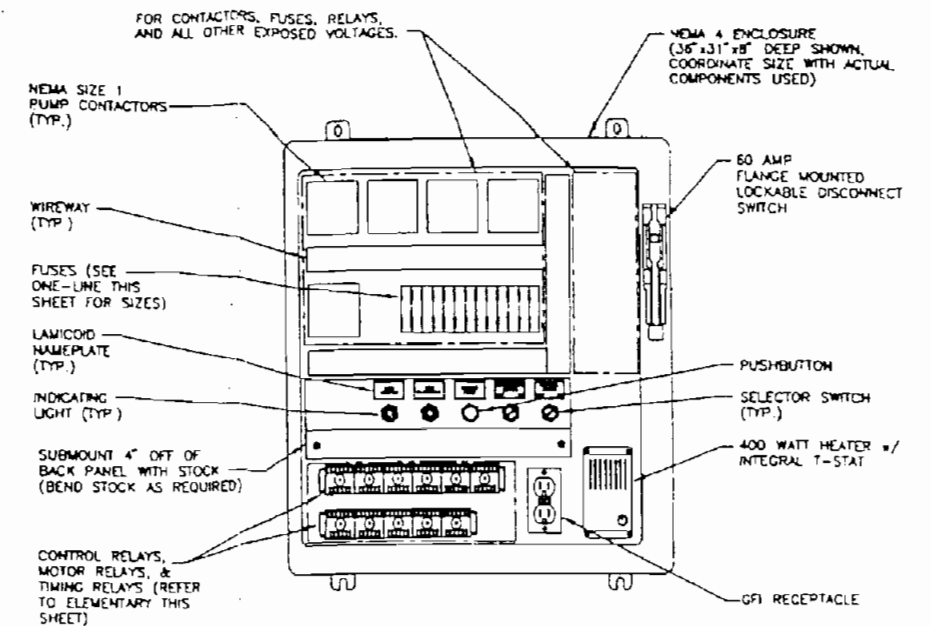
1. ALL ELECTRICAL WORK SHOWN IS NEW UNLESS NOTED OTHERWISE.
2. ALL BURIED CONDUIT SHALL BE PVC SCHEDULE 40, UNLESS NOTED OTHERWISE.
3. ALL EXPOSED CONDUIT SHALL BE INTERMEDIATE METALLIC CONDUIT UNLESS NOTED OTHERWISE.
4. ALL ELECTRICAL WORK ASSOCIATED WITH BIOPILES IS CONTINGENT UPON ACTUAL SOIL CONDITIONS. SEE "SPECIAL PROVISIONS" IN CONTRACT. THIS INCLUDES THE CONTROL ENCLOSURE DETAILED ON THIS SHEET AND ALL EQUIPMENT AND POWER CONNECTED TO IT.
5. REFER TO GENERAL PLANS FOR WORK BY OTHER TRADES.



WIRING DIAGRAM

NOTES:

1. ALL OF THE ABOVE COMPONENTS ARE LOCATED AT THE CONTROL PANEL ENCLOSURE UNLESS OTHERWISE NOTED.
2. PILOT DEVICES SHALL BE SUBPANEL MOUNTED WITHIN CONTROL ENCLOSURE.



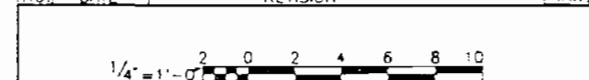
CONTROL ENCLOSURE DETAIL
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NO.	DATE	REVISION	INIT.
1	1/12/98	AS-BID	
0	12/19/95	SUBMITTED FOR NYSDEC REVIEW	



STAUFFER MANAGEMENT CO. WILMINGTON, DELAWARE
MAESTRI SITE GEDDOES, NEW YORK
SOIL REMEDIATION PROJECT

ELECTRICAL
PARTIAL PLAN AND DETAILS

In charge of <i>[Signature]</i>	FILE NO 5818.005-34F	E-2
Designed by <i>[Signature]</i> Checked by <i>[Signature]</i>	DATE	D 1

Appendix B
March 1995 ROD

ZENECA

INTERNAL MEMORANDUM

DATE: March 31, 1995
FROM: J. A. MacARTHUR


TO: B. A. SPILLER

ZENECA Inc.
Wilmington, DE 19897 USA
**ENVIRONMENTAL SERVICES
& OPERATIONS**
Telephone: (302) 886-4257
Facsimile: (302) 886-5933
FILE: ENV-MAESTRI-GWS

cc: J. F. Peter*
L. W. Mette
F. R. McNeice
* - No Attachment

MAESTRI - REMEDIAL DESIGN

Attached for your files is the completed and signed Record of Decision for the Maestri Site. As outlined in the cover letter from Gary Kline this effectively "starts the clock" on our remedial activities. As noted in my previous memo due to the aggressive schedule on this project we should take the full 30 days allotted to respond in order to provide us enough time to complete the Remedial Design Work Plan.



Environmental Engineering Associate

8A - 033195A.MEM

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 Wolf Road, Albany, New York 12233



March 29, 1995

Mr. Frank R. McNeice
Zeneca Inc.
Environmental Services and Operations
Wilmington, Delaware 19897

Re: Maestri Site
Site #7-34-025
Onondaga County

RECEIVED

MAR 30 1995

Environmental & Operations
FILE: CC: TO:

Dear Mr. McNeice

Enclosed for your review are four (4) copies of the executed Record of Decision (ROD) for the Maestri Inactive Hazardous Waste Site. In accordance with the Order On Consent #A7-02226-90-03 Section XI, Stauffer Management within 30 days of its receipt of the ROD must notify this Department whether or not it elects to undertake the remedial actions identified in the ROD. Upon notification of its election to undertake the remedial actions, Section XII of the Order becomes operative and the ROD shall be incorporated into the Order and attached as Appendix "E".

Within 30 days after the ROD is incorporated into the Order, Stauffer is required to submit a Remedial Design Workplan (RD Workplan) outlining the implementation of the NYSDEC selected remedy. The RD Workplan shall include the elements specified in Section XII paragraph 2 of the Order.

We look forward to Stauffer's response and continuing progress on the Maestri Site. If you should have any questions concerning the above please contact me at (518) 457-5636.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gary E. Kline".

Gary E. Kline, P.E.
Maestri Project Manager
Div. of Hazardous Waste Rem.

cc: C. Branagh Reg 7
R. Heerkins DOH-Syr
J. McArthur Zeneca
J. Keliy, Esq Zeneca



Department of Environmental Conservation

Division of Hazardous Waste Remediation

Record of Decision

Maestri Site

Town of Geddes, Onondaga County

Site Number 7-34-025

March 1995

New York State Department of Environmental Conservation
GEORGE PATAKI, *Governor* MICHAEL ZAGATA, *Commissioner*

DECLARATION STATEMENT - RECORD OF DECISION

"Maestri" Inactive Hazardous Waste Site Onondaga County, New York Site No. 7-34-025

Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedial action for the Maestri Inactive Hazardous Waste Disposal Site which was chosen in accordance with the New York State Environmental Conservation Law (ECL). The remedial program selected is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300).

This decision is based upon the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the Maestri Inactive Hazardous Waste Site and upon public input to the Proposed Remedial Action Plan (PRAP) presented by the NYSDEC. A bibliography of the documents included as a part of the Administrative Record is included in Appendix B of the ROD.

Assessment of the Site

Actual or threatened release of hazardous waste constituents from this site, if not addressed by implementing the response action selected in this ROD, presents a current or potential threat to public health and the environment.

Description of Selected Remedy

Based upon the results of the Remedial Investigation/Feasibility Study (RI/FS) for the Maestri Site, and the criteria identified for evaluation of alternatives, the NYSDEC has selected excavation of soil contaminated with Xylene in excess of site cleanup levels followed by on-site treatment utilizing vacuum extraction supplemented by biological treatment. The components of the remedy are as follows:

1. A remedial design program to verify the conclusions of the conceptual design, and provide the details necessary for construction, operation, maintenance and monitoring of the remedial program.
2. Excavation and preparation for treatment of soils that contain contaminants in excess of soil cleanup objectives. This will involve an estimated 8,000 cubic yards of contaminated soil.

3. Treatment of the soil utilizing ex-situ piles that combines vapor extraction and biological degradation of organic contamination, and collection and treatment of air discharges from the soil treatment process.
4. Redeposition of treated soils on-site. Placement of 6 inches of clean top soil over the soil redeposition areas, site regrading, and restoration.
5. Continued operation of the on-site groundwater collection and treatment system with an evaluation annually until concentrations of site contaminants can no longer be effectively removed or cleanup objectives are met. Treatment is by carbon adsorption with discharge to a nearby storm sewer.
6. Monitoring of the soil treatment, water treatment, air discharges and groundwater to ensure compliance with clean up objectives.

New York State Department of Health Acceptance

The New York State Department of Health concurs with the remedy selected for this site as being protective of human health.

Declaration

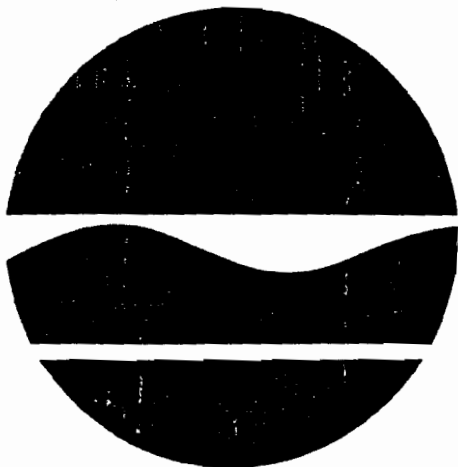
The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

Date

3/23/95

Michael J. O'Toole, Jr.

Michael J. O'Toole, Jr.
Director, Division of Hazardous Waste Remediation



**NEW YORK STATE
DEPARTMENT OF**

**ENVIRONMENTAL
CONSERVATION**

**DIVISION OF HAZARDOUS
WASTE REMEDIATION**

RECORD OF DECISION

MAESTRI SITE

SITE #7-34-025

TOWN OF GEDDES, ONONDAGA COUNTY

March 1995

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APPENDICES

Appendix A: Responsiveness Summary

Appendix B: Administrative Record

RECORD OF DECISION

"MAESTRI SITE"

Town of Geddes, Onondaga County, New York

Site No. 7-34-025

MARCH 1994

SECTION 1: SITE LOCATION AND DESCRIPTION

The Maestri Site, located at 904 State Fair Boulevard in the Town of Geddes, Onondaga County, New York, is approximately 3 miles northwest of Syracuse, New York. A site location map is included as Figure 1. The site, depicted in Figure 2, is approximately 7 acres in area. Onondaga Lake, located 1500 ft. northeast of the site, is the nearest surface water body to the site. Topography of the site is characterized by gently sloping grades which fall to the northeast at slopes up to 5 percent. The site is bordered by State Fair Boulevard to the southwest and the residences along Alhan Parkway to the northeast. Vacant lots that border the site on the northwest and southeast are heavily wooded.

Presently a 2.8 acre portion of the site near Alhan Parkway is cleared and secured with an 8-ft high chained link fence and two locked gates. A gravel road extends from State Fair Boulevard to the secured portion of the site. A ground water treatment building, concrete pads, monitoring wells, recovery wells, piezometers, and former drum disposal areas at the site are indicated on Figure 3.

SECTION 2: SITE HISTORY

2.1 Operational/Disposal History

- * 1970's - Drums containing industrial waste materials allegedly generated by Stauffer Chemical Company were buried at the site.
- * 1987 - The site owner, Mr. Bert Maestri reportedly excavated soil and drums from an area of the site indicated on Figure 3. Following characterization by the New York State Department of Health (NYSDOH), the material was disposed of at an off site secure landfill.
- * 1987 - Samples collected by NYSDOH from a residential basement sump revealed the presence of contaminants from the site. Additional samples collected by NYSDOH from neighboring residential sumps indicated that only the original basement sump was impacted by the site.
- * 1987 - Malcolm Pirnie, Inc. conducted a limited site investigation on behalf of the Onondaga County Health Department (OCHD) to evaluate the environmental effects of the former waste disposal area.

- * 1987 - NYSDEC listed the site on the NYS Registry of Inactive Hazardous Waste Disposal Sites as site # 7-34-025.

2.2 Remedial History

- * October 1988 - NYSDEC and Stauffer Management Company (SMC) executed an Order on Consent for development and implementation of site Interim Remedial Measures (IRM).
- * June 1989 - Site investigations began, which included: soil vapor survey, geophysical survey, monitoring well installation, soil boring completion, air sampling, and sampling of surface soil, subsurface soil, and ground water. A magnetic anomaly discovered during the investigation was identified as buried drums.
- * December 1990 - SMC completed the first drum excavation. Approximately 100 drums are removed from the site
- * February 1991 - An indoor air monitoring program required by NYSDOH for selected residences located on Alban Parkway, downgradient of the site, was implemented by O'Brien & Gere Engineers on behalf of SMC
- * January 1992 - SMC submitted Basis of Design Report to NYSDEC for a ground water recovery and treatment system.
- * May 1992 - Operation of the ground water recovery and treatment system began.
- * September 1992 - SMC submitted a final report on the results of the field investigations and development of the site IRMs.
- * December 1992 - NYSDEC and SMC executed an Order on Consent for performance of a Focused Remedial Investigation/Feasibility Study (RI/FS).
- * December 1993 - Second drum removal occurs. Approximately 200 drums found during the focused RI, and containing industrial waste were excavated and disposed off site by SMC.
- * February 1994 - SMC submitted the Focused Remedial Investigation Report to NYSDEC.
- * September 1994 - SMC submitted the Maestri Site Feasibility Study to NYSDEC.

SECTION 3: CURRENT STATUS

Under terms of an Administrative Order on Consent with the NYSDEC, SMC initiated a Remedial Investigation/ Feasibility Study (RI/FS) in December 1992 to address the residual contamination at the site. Field work for the RI was completed in May 1993. The Focused RI Report was submitted by SMC in February 1994 and the report was approved in July 1994. A public meeting to present the results of the RI was held at the Geddes Town Offices on September 22, 1994. The site FS was submitted on September 24 1994. The Proposed Remedial Action Plan was subject to a public meeting on January 19, 1995.

3.1 Summary of the Remedial Investigation

The purpose of the RI was to define the nature and extent of any residual contamination resulting from previous drum disposal activities at the site.

The focused RI was conducted in a single phase. The field work was conducted between January 1993 and May 1993. A report entitled Maestri Site Focused Remedial Investigation has been prepared describing the field activities and findings of the RI in detail. A summary of the RI follows.

The RI activities consisted of the following tasks completed in accordance with the approved RI Workplan:

- 1) *An on-site passive soil vapor survey to detect potential areas of subsurface soil contamination was conducted.*
- 2) *Two geophysical surveys were conducted, originally one in the area of the soil vapor survey and a second confirmatory survey over the remainder of the site after the detection of an anomaly in the soil vapor area.*
- 3) *12 on-site test pits, located based on the soil vapor and geophysical survey results*
- 4) *Installation of 4 soil borings*
- 5) *On-site and off-site groundwater quality screening, consisting of sampling points GW-1 through GW-16, was performed to evaluate the horizontal extent of groundwater contamination downgradient of the site.*
- 6) *Installation and hydraulic conductivity testing of 2 additional off-site ground water monitoring wells.*
- 7) *Collection and chemical analysis of 18 groundwater samples for site specific parameters.*
- 8) *Completion of a human health risk assessment.*
- 9) *Summary of all RI results, previous investigations, and remedial work performed during the IRM's, including the performance of the groundwater recovery and treatment system, in a Focused RI Report.*
- 10) *A Fish and Wildlife Survey was conducted at the site and documented in the Fish and Wildlife Impact Analysis Report dated July 1994.*

The analytical data obtained from the RI was compared to applicable Standards, Criteria, and Guidance (SCGs) in determining remedial alternatives. Groundwater, drinking water and surface water SCGs identified for the Maestri Site were based on NYSDEC Ambient Water Quality Standards and Guidance Values and on Part V of the NYS Sanitary Code. For the evaluation and interpretation of soil and sediment analytical results, NYSDEC soil cleanup guidelines for the protection of groundwater, and background conditions were used to develop remediation goals for soil.

Based upon the comparison of results of the remedial investigation to the SCGs and evaluation of potential public health and environmental exposures, certain areas and media of the site require remediation.

During the course of the site investigation conducted under the initial IRM (1988) Order with SMC, sufficient data was collected to establish that there are no remaining significant impacts to the site surface soils, surface water, ambient air, or residential indoor air quality resulting from the former drum disposal activities at the site. As a result the RI was focused to delineate the extent of the off site groundwater plume and to determine the vertical and horizontal extent of subsurface soils containing site contaminants in excess of cleanup goals.

Soil sample analytical results indicate the presence of site related contaminants in subsurface soils near the former drum disposal areas (Figure 4). Organic contaminants, predominantly xylene, were detected in the subsurface soils down to the water table (approx. 11 ft. below grade). Xylene concentrations ranged to a high of 7000 parts per million (PPM) in site subsurface soils. Other contaminants detected on site include toluene, ethylbenzene, tetrachloroethene, 2-methylphenol, 2,4-dimethylphenol, and benzoic acid. Concentrations of these contaminants are substantially lower than that of xylene (Table #1).

Results of the groundwater investigations indicate the presence of site related contaminants in the shallow overburden groundwater. Movement of the shallow groundwater is in a northeasterly direction placing the homes on Alban Parkway in the path of the off-site plume. However, all local residences are on public water, and no current or anticipated future uses of groundwater exist in the vicinity of the site. The principal organic contaminant detected in the shallow groundwater was xylene. Concentrations in excess of 30 ppm have been detected in monitoring wells on site immediately down gradient of the former drum disposal areas. No site related contaminants were detected in the bedrock groundwater. Figure 5 delineates the lateral extent of the volatile organic compound groundwater plume. Based on the results of the groundwater screening the existing groundwater recovery and treatment system installed as an IRM and in operation since May 1992 appears to have controlled the migration of the plume.

3.2 Interim Remedial Measures:

Interim Remedial Measures (IRMs) were conducted at the site based on findings as the RI progressed. An IRM is implemented when a source of contamination or exposure pathway can be effectively addressed before completion of the RI/FS.

As previously mentioned an additional cache of buried drums was discovered during the course of the focused RI. To expedite the removal of this additional source of site contaminants an IRM workplan was prepared for removal of the buried drums. The excavation was conducted in November and December 1993 and resulted in removal of 200+ additional drums. Similar to the 1990 removal, most of the 1993 drums were emptied and crushed but a few of the remaining drums did contain liquid waste. The drums were cut, cleaned and stacked on a retaining platform on-site before being disposed off-site. The liquid waste was combined and disposed off-site at a commercial treatment facility. Confirmatory samples were taken from the bottom and side walls of the excavation prior to backfilling with clean soil. Excavated soils were staged on site in covered roll-offs prior to off-site disposal.

The groundwater recovery system installed in 1992 consist of six (6) pumping wells, five on-site and one off-site (Fig.3). The wells pump contaminated groundwater to the on-site treatment system. This system treats the water utilizing activated carbon prior to discharge to a nearby storm sewer. A monitoring network of over twenty (20) monitoring wells and piezometers is also in place. Water level data and groundwater quality sampling is conducted weekly. Results since the system was put in place indicate that the organic groundwater plume has been controlled by the operation of the recovery system.

3.3 Summary of Human Exposure Pathways:

A human health risk assessment was conducted during the focused RI to evaluate current and potential future health risks associated with the site. Under current conditions with restricted site access and with the groundwater recovery and treatment system operating, there are no complete exposure pathways, and the site does not pose an unacceptable risk to human health. Two receptor groups were identified under the future on-site unrestricted residential use scenario. Adult and child residents under this scenario would have complete exposure pathways for soil contact, soil ingestion, indoor vapor inhalation, and ingestion of fruits and vegetables from on-site gardening. The USEPA guidelines for hazard indices and or excess cancer risk are both exceeded for the combined impacts of the four on-site exposure pathways.

3.4 Summary of Environmental Exposure Pathways:

As part of the focused RI a Fish and Wildlife Impact Analysis (FWIA) was conducted for the Maestri Site. The FWIA was conducted in accordance with the NYSDEC Division of Fish and Wildlife's document entitled Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (1991). Specifically, Step I - Site Description and Step IIA - Contaminant-Specific Impact Analysis, Pathway Analysis of the NYSDEC document are addressed in the report.

The FWIA concluded that the majority of the terrestrial portion of the study area is highly developed, resulting in limited biological community composition. Although complete exposure pathways were identified on-site for small mammals, such as the woodchuck, and seed/fruit eating birds, these species are expected to use the site minimally because of the poor habitat in adjacent areas. Therefore any impacts from site related contaminants to wildlife on-site are expected to also be minimal.

Downgradient surface waters (Onondaga Lake) and wetlands present in the FWIA study area are not affected by site related contaminants because migration of the contaminants is prevented by the groundwater recovery and treatment system and no other migration pathways have been identified. Therefore, off-site impacts to fish, wildlife and resources are not expected.

SECTION 4: ENFORCEMENT STATUS

The NYSDEC and the Stauffer Management Company (SMC) entered into a Consent Order on December 16, 1992. The Order obligates the responsible party to implement a full remedial program. Upon issuance of the Record of Decision, SMC has 30 days to notify the NYSDEC that it will implement the selected remedy under provisions of the existing Order on Consent.

The following is the chronological enforcement history of this site.

<u>Date</u>	<u>Index No.</u>	<u>Subject of Order</u>
8/31/88	A7-0139-88-01	IRM Order
12/16/92	A7-0226-90-03	Remedial Program
11/15/93	A7-0226-90-03	Mod.(Drum Removal)

SECTION 5: SUMMARY OF THE REMEDIATION GOALS

Goals for the remedial program have been established through the remedy selection process stated in 6NYCRR 375-1.10. These goals are established under the guideline of meeting all Standards, Criteria, and Guidance (SCGs) and protecting human health and the environment.

At a minimum, the remedy selected should eliminate or mitigate all significant threats to the public health and to the environment presented by the hazardous waste disposed at the site through the proper application of scientific and engineering principles.

The goals selected for this site are:

- *Reduce, control, or eliminate the contamination present within the soils on site.*
- *Eliminate the potential for direct human or animal contact with the contaminated soils on site.*
- *Prevent, to the extent possible, migration of contaminants in on-site soils to groundwater.*
- *Provide for attainment of SCGs for groundwater quality at the limits of the existing site boundary.*
- *Minimize to the maximum extent practicable long-term restrictions to future site usage*

SECTION 6: SUMMARY OF THE EVALUATION OF ALTERNATIVES

Potential remedial alternatives for the Maestri Site were identified, and evaluated in the report entitled "Feasibility Study - Maestri Site; Geddes, N.Y." prepared by O'Brien & Gere Engineers for SMC. The process for development of alternatives includes the development of remedial action objectives, development of general response actions, identification of volumes or areas of contaminated media, identification and screening of remedial technologies and process options, and the assembly of remedial alternatives. Seven remedial alternatives were developed to address the remedial action objectives. The preliminary screening of alternatives step was not performed in the FS because the number of identified alternatives was a manageable number for detailed analysis. The number of alternatives given consideration and evaluated in the PRAP has been further reduced by NYSDEC to three (3) as presented herein.

Fencing, groundwater recovery and treatment, and groundwater monitoring are common components of each remedial alternative for the site. The current ground water system will continue to operate as part of each remedial alternative. There is currently a fence around the site to restrict human access to the site. The fence will be maintained until completion of the site remediation. Monitoring wells that have previously been installed will continue to be used to track contaminant concentrations in site ground water.

Therefore, the assembly of process options and remedial alternatives has focused on the approximately 8,000 cubic yards of contaminated subsurface soils surrounding the former drum disposal and excavation areas on site (Figure 4). A summary of the detailed analysis follows.

6.1 Description of Alternatives

The potential remedies are intended to address the contaminated soils at the site. Approximately 8000 cubic yards of soil from an estimated area of 100 ft. x 200 ft. on-site require remediation. The predominant soil contaminant is xylene, detected in on-site soils at a concentration of up to approximately 7,000 parts per million (ppm).

Xylene concentrations have driven the selection of remedial technologies and alternatives. The NYSDEC has established a cleanup goal of 1.2 ppm for xylene in site soils. The cleanup goal is based on a particular contaminant's ability to partition off soils into groundwater. For xylene the 1.2 ppm soil level would result in concentrations in groundwater less than the 5 parts per billion (ppb) ground water standard. Due to xylene's predominance each remedial technology and alternative was initially evaluated for its ability to treat xylene to cleanup levels. The technologies evaluated for xylene may also be applicable to other site contaminants, and given the disproportion of low concentrations of other contaminants in soil to the high levels of xylene, there is a strong likelihood that the other volatile contaminants would be rendered non-detectable after treatment. This would be verified by sampling for all site contaminants at the limits of the soil excavation and prior to redeposition of treated soil.

No Further Action Alternative #1

The no further action alternative was evaluated as a procedural requirement and as a basis for comparison. This alternative recognizes the remedial work already completed under the previously performed IRMs. Continued operation of the groundwater system, implementation of a groundwater monitoring program, fencing, and recommended site deed restrictions, would be included in the no further action alternative.

This is an unacceptable alternative as the site would remain in its present condition, and human health and the environment would not be adequately protected. Site access and potential use would continue to be restricted. Site soils would continue to be a source of ground water contamination though the off-site impacts are minimized by the operation of the ground water system.

Present Worth:	\$ 1,590,000
Capital Cost:	\$ 20,000
Annual O&M:	\$ 100,000
Time to Implement	30 years

In Situ Soil Vapor Extraction Alternative #2

A series of wells would be installed in the soil to lower the water table and to draw air containing site related organic contaminants from the impacted soils. Since the contamination extends below the water table to an estimated depth of 14 ft. the area would need to be dewatered to allow the passage of air through the full extent of contamination.

The Soil Vapor Extraction (SVE) vacuum unit would draw air through the soil. The air in turn would strip the VOCs from the soil and transport the contaminants to the SVE extraction wells. The off gas from the SVE extraction wells would be directed through a treatment unit such as a carbon adsorption unit. The SVE

vacuum unit would also serve to promote bioventing in the soil. As air is pulled through the soil, oxygen availability to microorganisms would increase, thus enhancing the effectiveness of biodegradation of semi-volatile organics (those site contaminants whose vapor pressure would not be amenable to vapor extraction).

Present Worth: \$1,770,000
Capitol Cost: \$ 710,000
Annual O&M: \$ 150,000
Est. Time To Implement 10 years

Ex Situ Biological Treatment/Ex Situ Soil Vapor Extraction Alternative #3

This alternative includes excavation of all on-site soils with contaminant concentrations in excess of site cleanup goals, on-site ex situ biological/vapor extraction treatment, and replacement of the treated soils. The soil vapor extraction component would address the volatile (VOC) fraction of the site contaminants and the biological enhancement would treat the semi-volatile organic contaminant (SVOC) fraction. Excavated soils would likely require blending and screening inside a controlled process enclosure prior to placement in windrow piles approximately 20 ft. wide and 8 ft. high. The soil piles would be underlined and covered with a flexible membrane to promote proper drainage.

In order to maintain the proper bioreactive environment, three additives to the soil piles would be provided: oxygen, water, and nutrients. Perforated piping would be placed horizontally within the piles to allow for circulation of oxygen. Provisions would be made to add moisture and nutrients to the pile as needed. A vacuum would be used to actively extract organic vapors from the pile. Drawing air through the soil and controlling moisture content and nutrients would promote biodegradation activity of site contaminants. Off gases from both the soil handling enclosure and the vapor extraction process would require treatment prior to discharge.

Treated soil would be redeposited on site and covered with a minimum of six (6) inches of clean soil. The site will then be regraded and restored, and the site fence removed.

Present Worth: \$1,570,000
Capital Cost: \$1,200,000
Annual O&M: \$ 150,000
Est. Time To Implement 5 Years

6.2 Evaluation of Remedial Alternatives

The criteria used to compare the potential remedial alternatives are defined in the regulation that directs the remediation of inactive hazardous waste sites in New York State (6NYCRR Part 375). For each of the criteria, a brief description is provided followed by an evaluation of the alternatives against that criterion. A detailed discussion of the evaluation criteria and comparative analysis is contained in the Feasibility Study.

1. Compliance with New York State Standards, Criteria, and Guidance (SCGs). Compliance with SCGs addresses whether or not a remedy will meet applicable environmental laws, regulations, standards, and guidance.

Alternative #1, through natural attenuation and operating the existing ground water system over many years, may provide for attainment of NYS Class GA ground water standards for the off site groundwater plume. The alternative would not comply with NYSDEC recommended soil cleanup levels for organic contaminants.

Alternative #2 would provide for attainment of ground water standards and is expected to meet cleanup levels for Volatile Organic Contaminants (VOC) in soils over a 7-10 year period. In situ biodegradation of Semi-Volatile Organic Contaminants (SVOC) to levels meeting soil cleanup levels is uncertain for this site due to difficulties in providing sufficient oxygen and nutrients to the heterogeneous soils.

Alternative #3 would provide attainment of both Class GA ground water standards as well as on- site soil cleanup goals for both VOCs and SVOCs in a 3-5 years after the soil cleanup is completed.

2. Protection of Human Health and the Environment. This criterion is an overall evaluation of the health and environmental impacts to assess whether each alternative is protective.

Alternative #1 would be protective of human health and the environment through site use restrictions and fencing that would restrict access and potential for contact. This Alternative would provide for continued control of the groundwater plume, but does not reduce contaminants in soil from migrating to the groundwater. The risks associated with unrestricted use would remain in excess of USEPA guidelines. However, the existing conditions currently pose little potential risk to the environment.

Alternative #2 may reduce concentrations to levels which do not present unacceptable risk to human health. However, the timeframe to attain clean up levels is uncertain and some residual contamination would remain. Site fencing would be maintained throughout the remediation. Alternative #2 does not pose unacceptable risk to the environment.

Alternative #3 would reduce the risks to human health for all exposure scenarios. Concentrations of all contaminants of concern would be reduced to levels which may support future use. The time frame to attain the target clean up levels for groundwater is estimated as 3-5 years after soil cleanup. Site fencing would be maintained throughout the remediation. Following remediation the fence could be removed because access restrictions would no longer be necessary. The alternative does not pose unacceptable risk to the environment.

3. Short Term Effectiveness. The potential short-term adverse impacts of the remedial action upon the community, the workers, and the environment during the construction and implementation are evaluated. The length of time needed to achieve the remedial objectives is also estimated and compared with the other alternatives.

Alternative #1 involves no further remedial action other than (O&M) and monitoring. Workers performing O&M are required to wear personal protective equipment to minimize potential hazards during sampling and maintenance activities. There are no additional short-term impacts to the local community or the environment.

Alternative #2 involves a small amount of soil disturbance. As such there is a limited potential for short-term contact with soils and ground water containing contaminants during installation of the vapor extraction system. Workers would be required to wear personal protective equipment and adhere to safe construction practices

to minimize potential hazards. A network of air monitoring would be set up to ensure community protection. It is expected that the cleanup of both soils and ground water would take 7-10 years.

Alternative #3 involves excavation and handling of contaminated soils. As such, the potential for worker exposure is high. Workers would be required to wear personal protective equipment and adhere to safe construction practices to minimize potential hazards. Potential community exposure to vapors would need to be carefully addressed. An air monitoring network would be set up to ensure community protection from release of both particulate (dust) and VOC's. During design an evaluation would be made as to the feasibility to house the excavation and/or the soil processing and piles. It is estimated that the cleanup of soils would take 1-2 years and groundwater would take 3-5 years thereafter.

4. Long-term Effectiveness and Permanence.

This criterion evaluates the long-term effectiveness of alternatives after implementation of the response actions. If wastes or treated residuals remain on site after the selected remedy has been implemented, the following items are evaluated: 1) the magnitude of the remaining risks; 2) the adequacy of the controls intended to limit the risk; and 3) the reliability of these controls.

Alternative #1 provides for deed restrictions and site access restrictions that minimize the magnitude of the residual risks to site contaminants. Risks associated with off-site migration of contaminated ground water would continue to be mitigated. The existing ground water system is adequate and reliable for collecting and remediating ground water with site contaminants. Potential risks to on-site users would remain.

Alternative #2 has uncertainties whether the in situ soil vapor extraction could minimize risks associated with potential residential use scenario, due to dense tight soils limiting the treatment capability for semi-volatiles. The site conditions create effectiveness and reliability uncertainties. The existing fencing is adequate and reliable for restricting site access, and the existing ground water system is adequate and reliable for collecting and remediating ground water with site contaminants.

Alternative #3 would effectively minimize risks associated with the potential future residential scenario. Risks associated with the off-site migration of ground water continue to be mitigated. Excavation and ex situ biological/vapor extraction treatment of site soils are expected to be adequate and reliable. Existing fencing is reliable in restricting access during remediation. The existing groundwater system is adequate and reliable for collecting and remediating groundwater containing site related contaminants.

5. Reduction of Toxicity, Mobility or Volume. Preference is given to alternatives that permanently and significantly reduce the toxicity, mobility or volume of the wastes at the site.

Alternative #1. The current ground water system would continue to reduce the toxicity, mobility, and volume of site related contaminants in ground water. Reduction of contaminants in site soils above the water table through natural attenuation would be minimal.

Alternative #2. In situ vapor extraction treatment would likely reduce toxicity and mobility of organic contaminants in soils. Both the timeframe and overall ability to reduce toxicity and mobility of VOCs and SVOCs to cleanup levels is uncertain due to dense site soils. The current ground water system would continue to reduce the toxicity, mobility and volume of site related contaminants in ground water. The soil vapor extraction and groundwater treatment systems would be irreversible.

Alternative #3. Ex situ vapor extraction/biological treatment within a soil pile would reduce toxicity, mobility and volume of VOC and SVOC contamination in site soils to target clean up levels. The current groundwater system will continue to reduce the toxicity, mobility, and volume of site related contamination in groundwater. The ex situ vapor extraction/biological soil, and ground- water treatment systems would both be irreversible.

6. Implementability. The technical and administrative feasibility of implementing each alternative is evaluated. Technically, this includes the difficulties associated with the construction, the reliability of the technology, and the ability to monitor the effectiveness of the remedy. Administratively, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc.

Alternative #1 continues the current ground water remedial system and is easily implemented. The existing discharge limits remain in effect. Existing monitoring wells would continue to be used to evaluate the effectiveness of the system. Long term site restrictions and access agreements are required between the site owner and Responsible Party.

Alternative #2, the in-situ vapor extraction system is readily available technology and easily installed. The reliability of the technology is limited by the nature of the contaminants and by the site's low permeability and heterogeneous nature of the soils. The effectiveness of the remedy could be easily monitored by implementation of a general site monitoring program as presented in the FS. Influent and effluent monitoring of the vapor extraction and ground water systems would be required. Substantive compliance with air and water discharge limits would also be required. Coordination and access agreements with the site owner may be necessary to allow operation and maintenance of the treatment systems.

Alternative #3 would include excavation of soils to an approximate depth of 15 feet, which is well within the limits of standard practice and construction equipment. Soils would be excavated, treated in piles, and backfilled into the excavation areas. Appropriate measures would be taken to ensure that the backfilled soils would not come in contact with contaminated soil or groundwater. Groundwater infiltrating into the excavation would be collected and treated. The effectiveness of the remedy is easily monitored by implementation of a general site monitoring plan as presented in the FS. Confirmatory samples from the side walls and bottom of the excavation would determine the limits of the excavation. Influent and effluent monitoring of the ground water and soil treatment systems would be required. Substantive compliance with air and water discharge limits would also be required. Coordination and access agreements with the site owner may be necessary to allow operation and maintenance of the treatment systems.

7. Cost. Capital and operation and maintenance costs are estimated for each alternative and compared on a present worth basis. Although cost is the last balancing criterion evaluated, where two or more alternatives have met the requirements of the remaining criteria, cost effectiveness can be used as the basis for the final decision. The costs for each alternative are presented in Table 2.

8. Community Acceptance - Concerns of the community regarding the RI/FS reports and the Proposed Remedial Action Plan have been evaluated. The NYSDEC and NYSDOH conducted a public meeting regarding the PRAP on January 19, 1995. There were no public objections to the proposed remedy made at the meeting. In general the public was in strong support of the permanent treatment aspect of the remedy. Concerns raised during the meeting focused on the implementation details of the excavation component and how that may affect adjacent homeowners. The NYSDEC accepted written comments on the PRAP though February 11, 1995. One set of written comments was received from the homeowners on Alhan Parkway that

about the site. A "Responsiveness Summary" was prepared that addresses the public comments received and briefly describe what measures could be taken during remediation to address the concerns raised. The Responsiveness Summary is included herein as Appendix A. The final remedy selected does not differ significantly from the proposed remedy.

SECTION 7: SUMMARY OF THE SELECTED REMEDY

Based upon the results of the RI/FS, and the evaluation presented in Section 6, the NYSDEC has selected Alternative #3 as the remedy for this site.

This selection is based upon an evaluation of the two threshold criteria and five balancing criteria as presented in Section 6. Alternatives #1 & #2 are not fully protective of human health and the environment under the unrestricted use scenario. Alternative #2 has difficulties in meeting soil clean up objectives particularly for SVOC contamination, and the timeframe for operating the system is uncertain due to site soil conditions. Alternative #3 is effective in meeting site cleanup objectives, and protective in the long term. Short term impacts would be a potential concern but could readily be mitigated through proper controls on excavation, air monitoring, and the use of personal protective equipment for site workers. Alternative #3 uses readily implementable technology that minimizes the timeframe for remedial action objectives. Alternative #3 will result in greater than 95% reduction of all site contamination contained in both ground water and soils. Though higher in initial capital expenditures Alternative #3 is cost effective in that the time required to operate and then monitor the site is substantially less than for Alternatives #1 & #2. Alternative #3 provides the added benefit of allowing future site use with minimal restriction once all remedial activities are completed.

The estimated present worth cost to implement the proposed remedy is \$1.57 million. The cost to construct this remedy is \$1.20 million and the annual operation and maintenance cost for the 3-5 year operating period is \$150,000/yr.

7.1 The Elements Of The Selected Remedy Are As Follows:

1. A remedial design program to verify the conclusions of the conceptual design, and provide the details necessary for construction, operation, maintenance and monitoring of the remedial program.
2. Excavation and preparation for treatment of soils that contain contaminants in excess of soil cleanup objectives. This would involve an estimated 8,000 cubic yards of contaminated soil.
3. Treatment of the soil utilizing ex-situ piles that combines vapor extraction and biological degradation of organic contamination, and collection and treatment of air discharges from the soil treatment process.
4. Redeposition of treated soils on site. Placement of 6 inches of clean top soil over the soil redeposition areas, site regrading, and restoration.
5. Continued operation of the on-site groundwater collection and treatment system with an evaluation annually until concentrations of site contaminants can no longer be effectively removed or cleanup objectives are met. Treatment will be by carbon adsorption with discharge to a nearby storm sewer.
6. Monitoring of the soil treatment, water treatment, air discharges and groundwater to ensure compliance with clean up objectives.

2 Documentation of Significant Changes

There are no significant changes from the Proposed Remedial Action Plan.

SECTION 8: HIGHLIGHTS OF COMMUNITY PARTICIPATION

Document repositories were established at the following locations for public review of project related material:

* Geddes Town Hall	*NYSDEC	*NYSDEC Region 7 Office
Woods Road	50 Wolf Road	615 Erie Boulevard West
Solvay, N.Y.	Albany, N.Y. 12233-7010	Syracuse, N.Y. 13204
	Attn: Mr. Gary Kline, P.E.	Attn: Mr. Charles Branagh, P.E.

The following citizens participation activities were conducted:

- Fact Sheet, September 1994; Described results from RI activities and identified document repositories.
- Public meeting held September 22, 1994; Presented results of the RI and accepted public inquiry.
- Fact Sheet, December 1994; summarized PRAP and announced public meeting on same.
- Public Meeting held January 19, 1995; Presented results of the FS and PRAP for public comment.
- Public Comment period open from December 29, 1994 through February 11, 1995 to receive comments on the PRAP.

Table 1
SUMMARY OF CONTAMINANTS IN SOIL

Focused Remedial Investigation
Maestri Site
904 State Fair Blvd.
Town of Geddes, NY

Compound	Average Soil Concentration (mg/kg)	Upper Bound Soil Concentration (mg/kg)
PCE	28.4	156
Toluene	7.7	45.3
Ethylbenzene	2.2	11.7
Xylene	1360	7070
2-Methylphenol	1	3.7
2,4-Dimethylphenol	2.3	14.7
Benzoic Acid	12.8	71.5

TABLE 2
COST ESTIMATES FOR REMEDIAL ALTERNATIVES
MAESTRI SITE
SITE # 7-34-025
NOVEMBER 1994

ALTERNATIVE #1-NO FURTHER ACTION

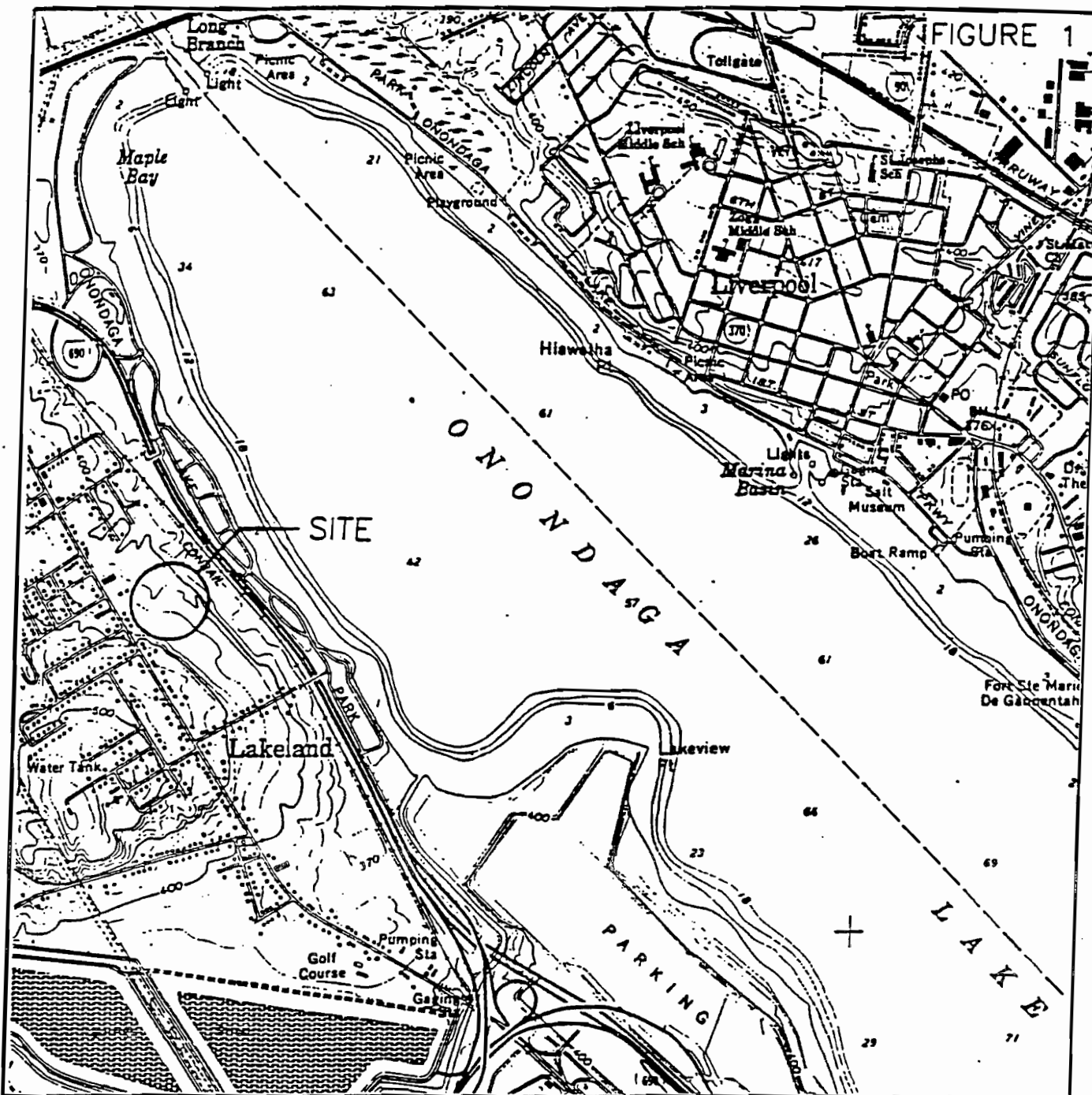
CAPITAL (construction) COST	- \$ 20,000
EST. O&M COST	- \$ 100,000/yr
TIME TO IMPLEMENT	- 30yrs
TOTAL PRESENT WORTH	- \$1,590,000

ALTERNATIVE #2-INSITU SOIL VAPOR EXTRACTION

CAPITAL (construction) COST	- \$ 710,000
EST. O&M COST	- \$ 150,000/yr
TIME TO IMPLEMENT	- 10yrs
TOTAL PRESENT WORTH	- \$1,770,000

ALTERNATIVE #3-EX SITU SOIL VAPOR EXTRACTION w/ BIOREMEDIATION

CAPITAL (construction) COST	- \$1,200,000
EST. O&M COST	- \$ 150,000/yr
TIME TO IMPLEMENT	- 5yrs
TOTAL PRESENT WORTH	- \$1,570,000



FEASIBILITY STUDY
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

SITE LOCATION MAP

0 2000 4000



APPROX. SCALE IN FEET



ADAPTED FROM U.S.G.S. SYRACUSE WEST, NEW YORK QUADRANGLE 7.5 MINUTE SERIES

5618.001-05F
May/09/94

NEW YORK STATE

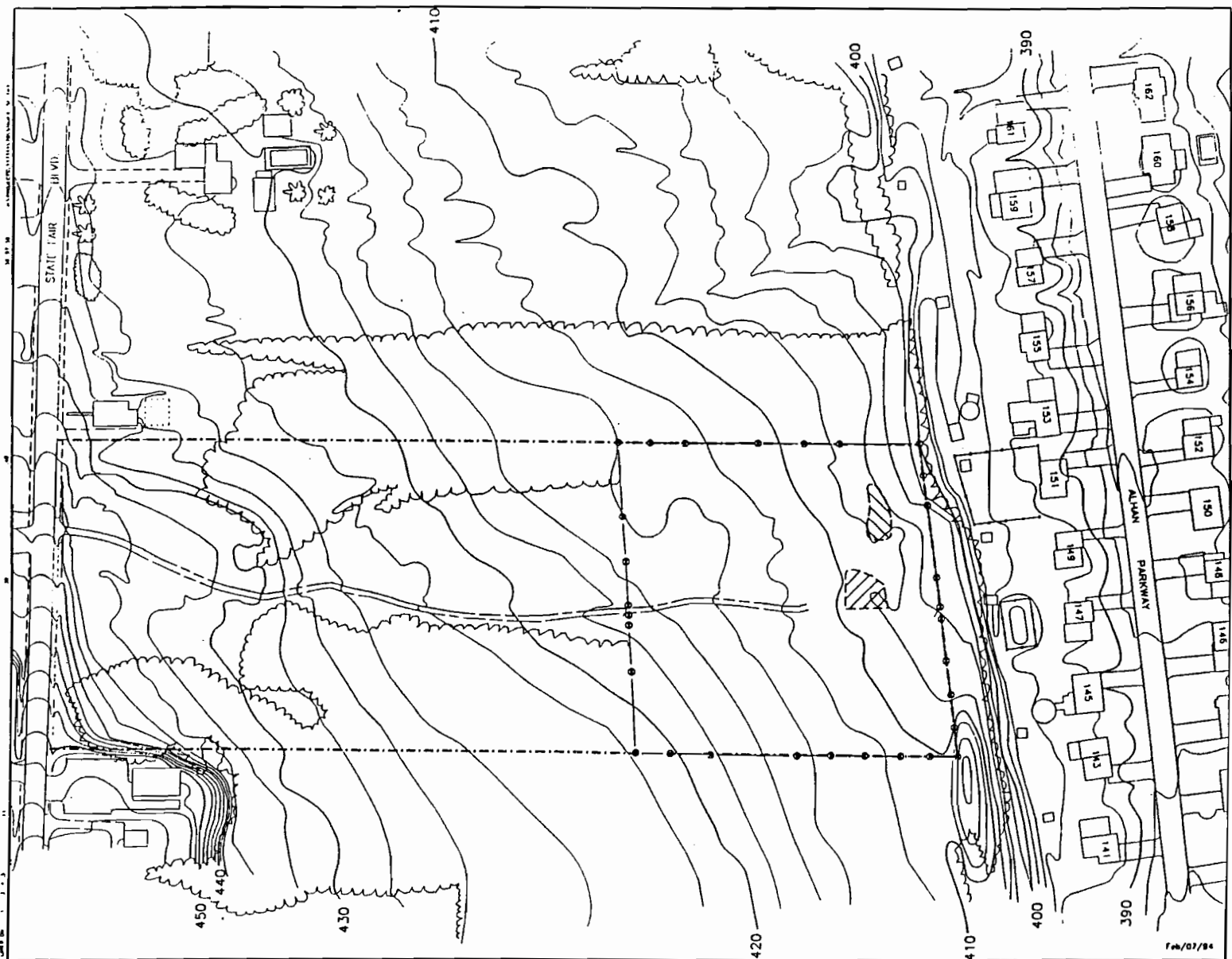


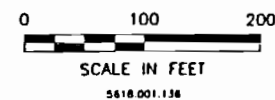
FIGURE 2
FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF CEDDES, NEW YORK

SITE TOPOGRAPHIC MAP



LEGEND

- TREE LINE
- ACCESS ROAD
- FENCE
- 8' HIGH SECURITY FENCE
- MAESTRI SITE PROPERTY BOUNDARY
- RESIDENCE
- APPROXIMATE LIMITS OF 1987 EXCAVATION
- APPROXIMATE LIMITS OF 1990 EXCAVATION



O'BRIEN & GERE
ENGINEERS, INC.

Feb/07/84

FIGURE 3
FEASIBILITY STUDY

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

SITE MAP
(ENLARGED)



FIGURE 4
FEASIBILITY STUDY
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEEDS, NEW YORK
AREA OF POTENTIALLY
IMPACTED SOIL

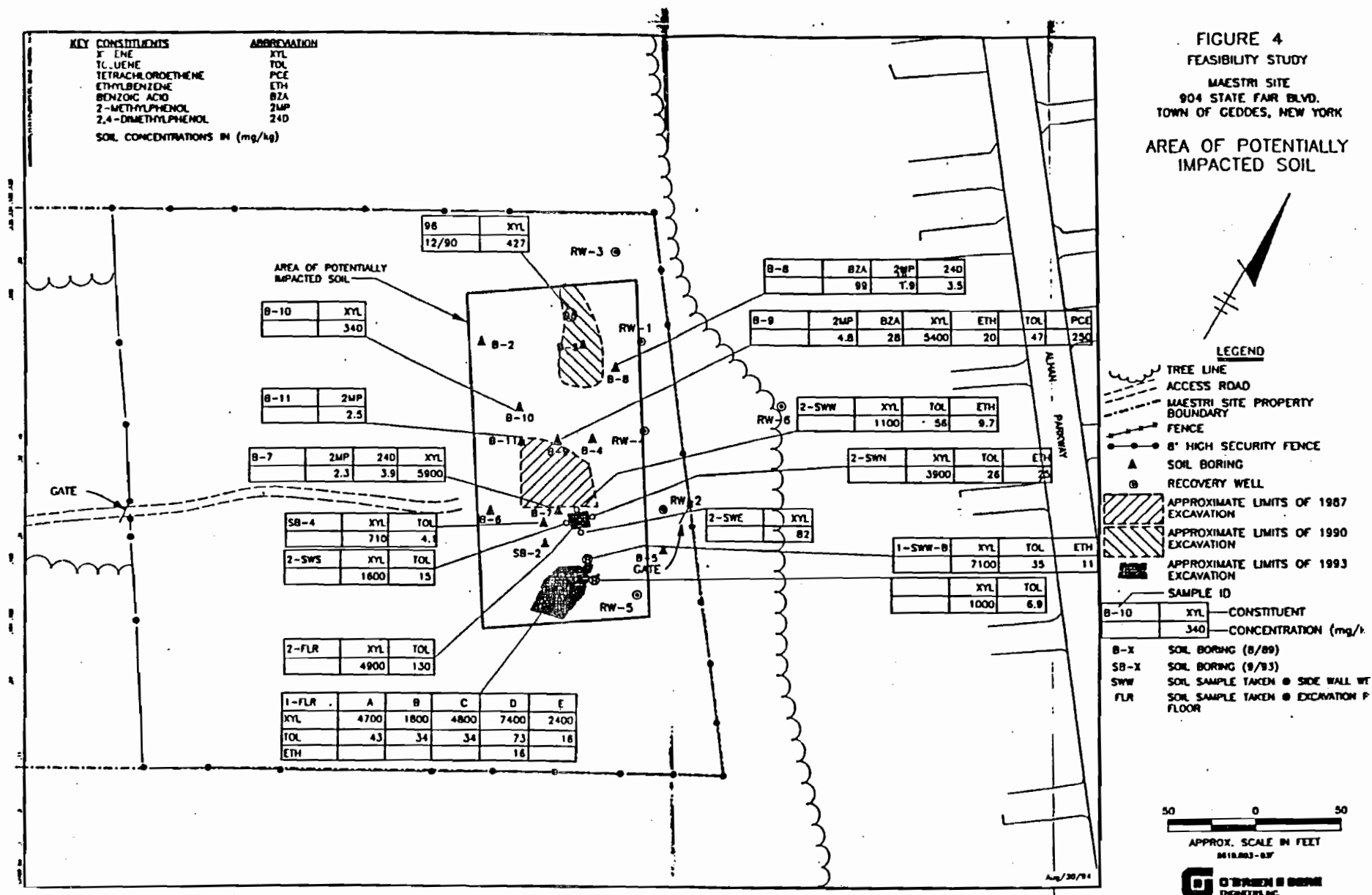
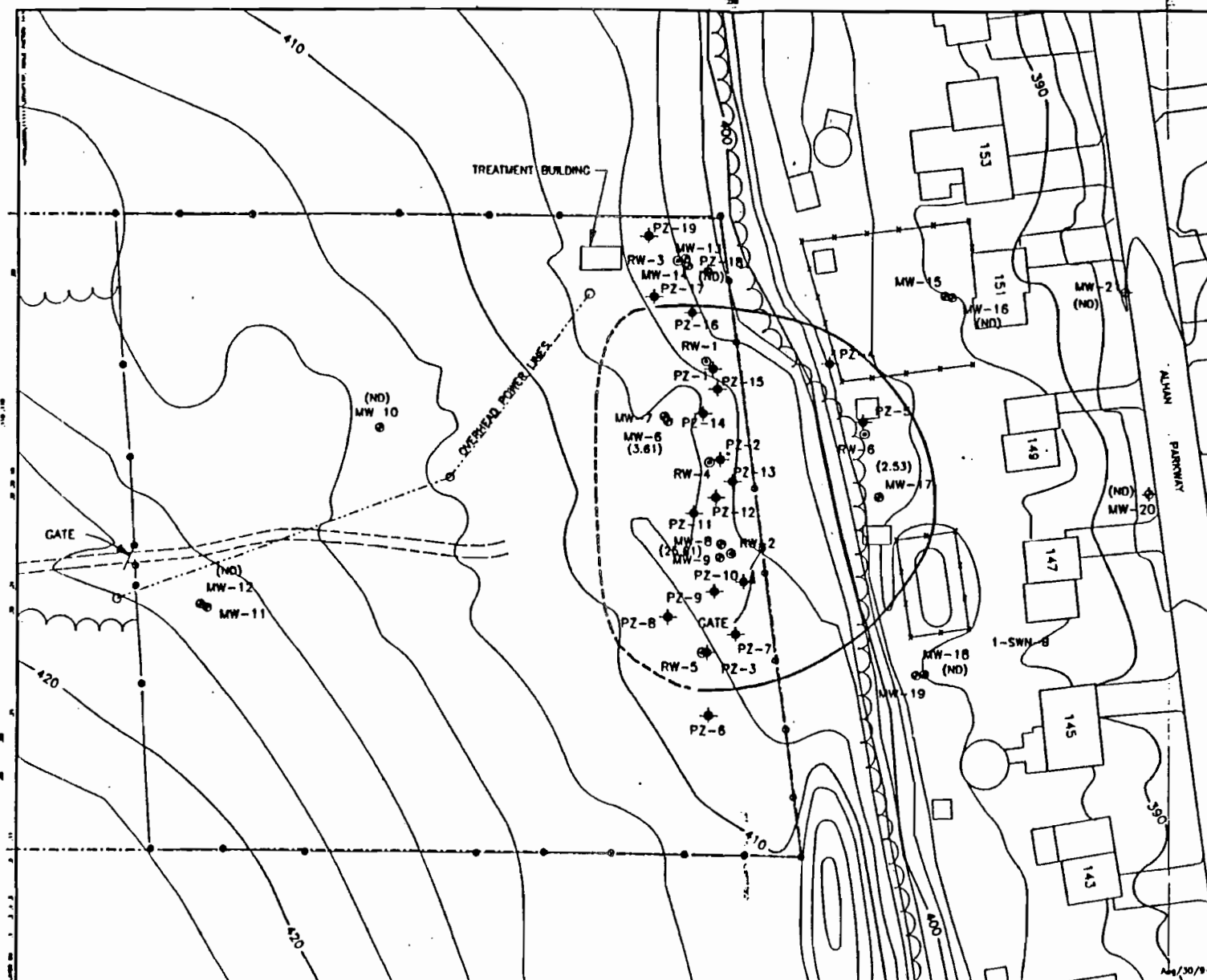


FIGURE 5
FEASIBILITY STUDY

MAESTRI SITE
804 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

VOLATILE ORGANIC COMPOUND
GROUND WATER PLUME
(JUNE 28, 1993)



NOTE: EDGES OF VOC PLUME ARE BASED ON GROUND WATER SCREENING AND GROUND WATER MONITORING WELL SAMPLING RESULTS.

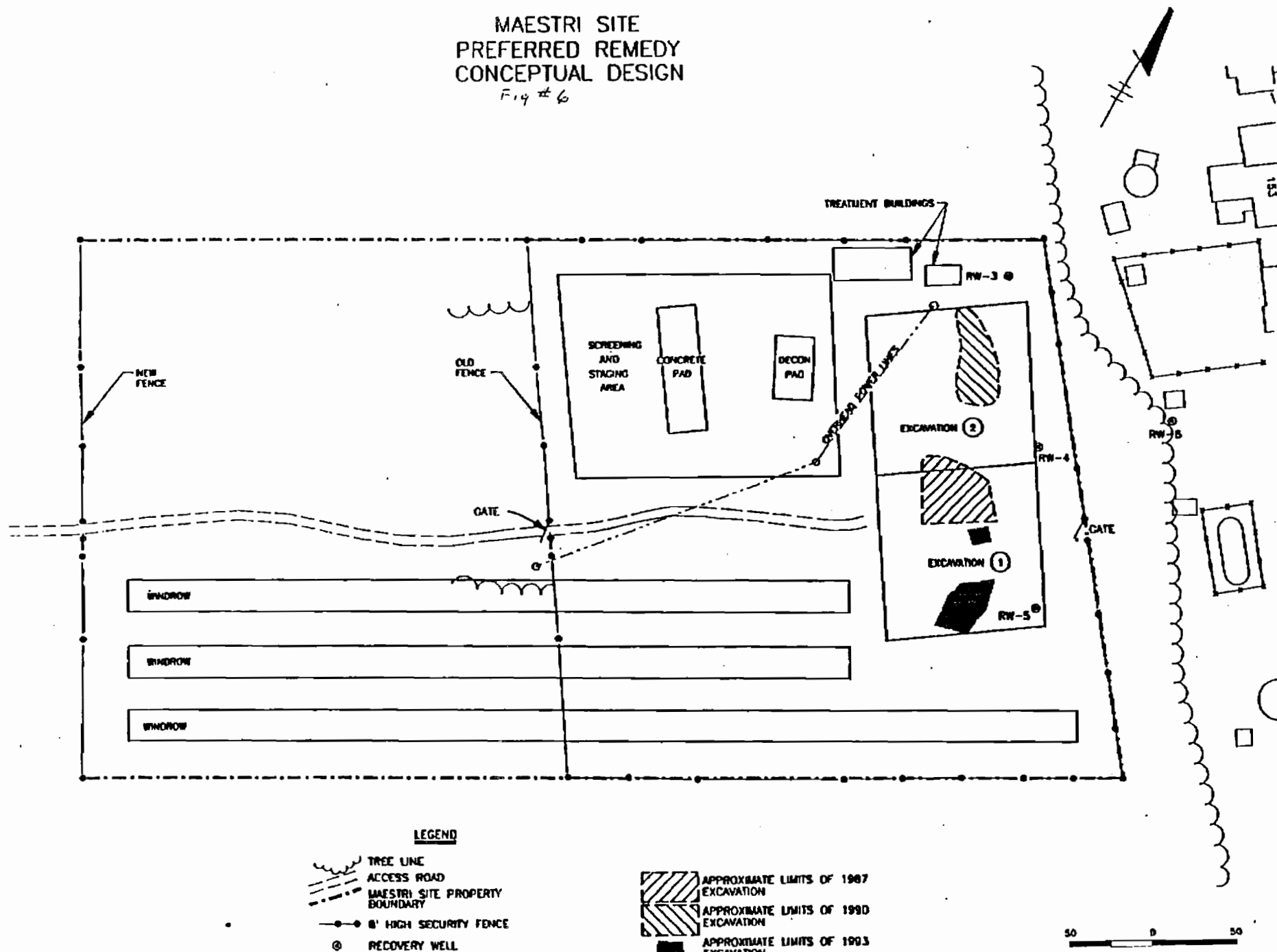
50 0 50
APPROX. SCALE IN FEET

8018.003 - 047

G O'BRIEN & GORE
ENGINEERS, INC.

MAESTRI SITE PREFERRED REMEDY CONCEPTUAL DESIGN

Fig # 6



APPENDIX A

RESPONSIVENESS SUMMARY

INTRO: Attachment number one to this summary is a list of questions submitted by the homeowners on Alhan Parkway during the January 19, 1995 public meeting. The questions and issues raised by the letter are similar to those raised verbally during the public meeting's question and answer session.

Questions from the letter and meeting have been paraphrased and answered by the following Responsiveness Summary.

1. **Q.** Was off-site disposal of contaminated soil evaluated in the Feasibility Study?

 A. Disposal of excavated soil off site in a landfill was evaluated in the Feasibility Study. The option was rejected due to the volume of contaminated soil, approximately 8,000 cubic yards. The cost for off-site disposal would approximately double the cost of remediation.

2. **Q.** What is the proposed location and nature of the process enclosures?

 A. Process enclosures are temporary structures that could house the soil conditioning equipment. Details of this construction is a design consideration, currently there are two additional on-site structures planned that will be equipped with air control systems to prevent migration of airborne contaminants. They will be constructed west of the current groundwater treatment building. The process enclosures are not intended to house the soil piles. The piles will be covered with a heavy plastic sheeting.

3. **Q.** How long will excavation last?

 A. The actual excavation will be short duration approximately 3-4 weeks per campaign. The site soil will be excavated and treated in two campaigns, each lasting for up to six (6) months. Plans call for one half the site to be remediated in 1996 followed by the second half in 1997.

4. **Q.** How will the excavated areas be controlled?

 A. Excavated areas during treatment may require stabilization. The use of off-site and/or on-site backfill will be considered during design. More likely the side slopes will be graded back to allow the hole to remain open and be used as a sump to collect precipitation and contaminated groundwater which

would be periodically pumped out for treatment at the existing on-site groundwater treatment system.

5. Q. What is the schedule for site remediation and will the neighborhood be notified?
- A. The current schedule calls for the first soil campaign to start in the Spring of 1996. The local neighborhood will be provided early notice of an anticipated start of remedial activities.
6. Q. What is the reputation and history of ex-situ bioremediation?
- A. Ex-situ bioremediation (soil piles) has been used extensively throughout the environmental industry. In particular, the oil and gasoline refinery industry has had much success remediating soil contaminated with similar compounds. Typical problems with bioremediation are usually associated with the slow down of biological activity during the cold winter months thus prolonging the remedial program.
7. Q. Will there be contingency plans for the soil treatment system? What if problems arise with odors?
- A. Contingency plans will be developed for both the excavation and treatment processes during the design stage. Air monitoring at the perimeter of the site will insure protection of the adjoining homes. Some nuisance odors during remedial activities are likely to occur. All efforts will be made to minimize problems by tight controls on the excavation through the use of plastic covers and foam, weather and wind awareness and odor control systems on the soil handling facility.
8. Q. Is there a potential for the back embankment to be undermined during the excavation? How can the homeowners be assured that there will be no property damage as a result of the remedial activities?
- A. Based on our current knowledge from past experiences excavating drums on site the embankment is believed to be sufficiently stable. A geotechnical review will be made during design to determine if the embankment and/or excavation require additional support.

9. Q. If the excavation is left open, wouldn't the hole be come saturated with runoff?
- A. The excavation areas if left open will be bermed to prevent runoff from entering and will be continually pumped out. Water will be directed to the existing water treatment system.
10. Q. Will the remediation and final site regrading affect runoff and drainage?
- A. Site regrading will restore the site to approximately its existing conditions. It is not anticipated that drainage or runoff problems will occur.
11. Q. Does soil "cleaned" to 1.2 ppm xylene exhibit any odors?
- A. In accordance with NYSDEC TAGM 4046 soil exhibiting nuisance odor, even if it meets target numerical cleanup levels, will not be considered "clean" and therefore in the case of Maestri will be left on the soil piles for further treatment.
12. Q. How will local homes be protected from odors and contaminants?
- A. A Health and Safety plan has been developed for the site which addresses precautions necessary to control chemical releases during remedial activities. This plan will be updated to meet the requirements for the proposed construction work. Potential exposure to airborne contaminants will be addressed by real time air monitoring of the remedial activities and by the installation of a site perimeter monitoring network. The monitoring network will provide early warning of possible off-site migration of airborne contaminants. Tight engineering controls on the soil excavation and soil handling will reduce the chance of off-site migration. Should exceedences occur, the activities will be either modified or halted and evaluation of the cause be undertaken.

It should be understood that odor threshold, which is one's ability to detect a volatile organic, may occur at concentrations below that which can be routinely monitored. We agree, that these "nuisance" odors are a concern for the neighborhood and efforts will be made to control them. Limiting the exposed excavation, use of plastic covers, foam, and/or water, and weather pattern awareness (temp, wind direction, etc.) are all practices which can be used effectively to limit odors. Furthermore, excavation is expected to occur during the spring and work can be done when children are in school and adults are at work. Adequate notice will be provided before the excavation

begins.

13. Q. When remediation is complete, what will happen to the site?
- A. Plans call for completion of both the soil and groundwater cleanup in 5-6 years. Post remedial monitoring of the groundwater to ensure effectiveness of the program may continue for some time at a select number of wells. Pending the outcome of the remediation and monitoring the site will be either delisted, or reclassified as properly closed. Wells not used for long term monitoring will be decommissioned by pulling the casing and grouting the boreholes. It is expected that the site will be available for use with minimal or no restrictions should the cleanup prove successful.
14. Q. Has Mr. Maestri cooperated in this program?
- A. Mr. Maestri has not been involved during the RI/FS process.
15. Q. What guarantees are there that there are no other barrels?
- A. The investigation has used the best methods available to ascertain the location and subsequent removal of drums. Magnetometer surveys, numerous test pits and test borings have been completed over the entire site during the RI/FS.

Attachment # 1

Was disposal of the excavated soil to a landfill considered?
If it was, why wasn't it chosen?
What would be the cost of off-site disposal?

Describe the "controlled process enclosures".

What materials are they made of?
Are they temporary structures?
Where will they be?
How many will there be?
These will hold 8000 cubic yards of soil?
Will all the soil be excavated at once?
How long will the excavation take?
How will odors be controlled during the excavation process?
What will happen to the excavated areas during treatment?
Will they be backfilled with other soil?
What soil will be used to backfill excavated areas?
Where is the backfill from?
Was the backfill tested for contamination?

What time of year will the excavation happen?
Odors are worse when the weather is warm.
How much notice will the neighborhood have?
If it is planned during the cold winter months, are there alternate dates if the weather is warm?

What is the reputation of the ex-situ treatment?
Where has it been used?
What problems were encountered?
What contingency plans are in place if problems do arise?
(especially with odors)

Has consideration been given to the fact that when severe wet weather occurs the backfilled area may become oversaturated and slide down the hill onto homeowner property possibly causing heavy property damage?

The excavation area is close to the embankment directly behind 147, 149 & 151 Alhan Pkwy.
Does this bank have the structural integrity to retain saturated loose soil behind it?
Should the entire hill be regraded, including the embankment, with a terraced step-like grade?
What protection is going to be provided to homeowners to protect us from mud slides?
We would like to be assured, in writing, that any property damage resulting from the treatment process will be restored to its original form.

When the treatment process is done, the soil will be redeposited and regraded. There has been a history of storm run-off and spring-melt drainage problems in the area. The Town has been approached on several occasions to remedy drainage problems. The Town has responded with regrading and the addition of several catch basins.

How will the regrading effect what the Town has done to help the run-off problem?

Will the regrading cause new run-off problems?

Are additional catch basins planned?

How will the run-off be directed to the basins?

The clean-up level for xylenes is 1.2 ppm in the soil.

Will the cleaned soil contain this concentration?

Does 1.2 ppm of xylene have an odor?

Is there any criteria for acceptable odor levels?

As a homeowner, any odor is unacceptable.

How will exposure to odors be addressed?

What happens 5 years from now when the soil and groundwater treatment is done?

Does everyone pack-up and go home and close the book?

What happens to the monitoring wells?

What guarantees are there that there are no other barrels?

What evidence do you have that leads you to think that there are no other barrels?

Has Mr. Maestri cooperated in this evaluation?

from: Larry Fisher
151 Alton P.

APPENDIX B

ADMINISTRATIVE RECORD

**Maestri Site
Site No. 7-34-025**

1. **Maestri Site Investigation and Development of Interim Remedial Measures Final Report including Appendices A-H; O'Brien and Gere, September - 1992.**
2. **Administrative Order on Consent No. A7-0226-90-03, Site No. 3-34-025: Stauffer Management Company Respondent; Development of Remedial Program.**
3. **Work Plan including Addendum No. 1 for Remedial Investigation/Feasibility Study: Maestri Site; O'Brien and Gere, April - 1992.**
4. **Health and Safety Plan for Remedial Investigation/Feasibility Study: Maestri Site; O'Brien and Gere, revised November - 1992.**
5. **Quality Assurance/Quality Control Plan for Remedial Investigation/Feasibility Study: Maestri Site; O'Brien and Gere, revised November - 1992.**
6. **Administrative Order on Consent No. A7-0226-90-3 Modification No. 1, Site No. 7-34-025: Stauffer Management Company Respondent. Implementation of Interim Remedial Measure.**
7. **Interim Remedial Measure Work Plan Anomaly Excavation and Removal: Maestri Site; O'Brien and Gere, October - 1993.**
8. **Health and Safety Plan Anomaly Excavation and Removal: Maestri Site; O'Brien and Gere, November - 1993.**
9. **Anomaly Excavation and Removal Final Report: Maestri Site; O'Brien and Gere, November - 1994.**

10. **Focused Remedial Investigation Report: Maestri Site; O'Brien and Gere, February - 1994.**
11. **Fish and Wildlife Impact Analysis: Maestri Site; O'Brien and Gere, July - 1994.**
2. **Groundwater Recovery System Performance Test: Maestri Site; O'Brien and Gere, August - 1994.**
3. **Feasibility Study: Maestri Site; O'Brien and Gere, September - 1994.**
4. **Proposed Remedial Action Plan: Maestri Site; NYSDEC, December - 1994.**
5. **Transcript of January 19, 1995 Public Meeting and Responsiveness Summary to Public Meeting: NYSDEC, March - 1995; included as Appendix A to the Record of Decision.**

Appendix C

Stockpile Inventory

MAESTRI-SITE

Soil-Pile Information Data Sheet

Soil Pile-#	Number of screenings		Number of Samples			Lab-Results		Final Destination
	W-O/Lime	W /Lime	PRE	Screened	Rescreen	VOC	SVOC	
# 01	None	None	VO+SVO			OK	OK	Stock Piled
# 02		1	VO+SVO	1		OK	OK	Stock Piled
# 03		2	VO+SVO	1	1	OK	OK	Stock Piled
# 04	None	None	VO+SVO			OK	OK	Stock Piled
# 05		1	VO+SVO	1		OK	OK	Stock Piled
# 06	3			1	2	OK	OK	Stock Piled
# 07	2			1	1	OK	OK	Stock Piled
# 08	2			1	1	OK	OK	Stock Piled
# 09	1	4		PID High	4	Xyl - 4.1	2-Meth.63	Lime Bio-P
# 10	1	5		1	5	OK	OK	Stock Piled
#11		6	VO+SVO	1	5	Xyl -1.9	2-Meth1.9	Lime Bio-P
#12		4		1	3	OK	2-Meth.63	Lime Bio-P
#13		4		1	3	Zyl - 2.8	2-Meth1.0	Lime Bio-P
Reject	1			1		OK	OK	Stock Piled
#14		6		1	5	Zyl - 3.8	2-Meth1.7	Lime Bio-P
#15		4		1	3	Zyl - 3.4	2-Meth2.4	Lime Bio-P
#16		3		1	2	Zyl - 3.7	2-Meth.78	Lime Bio-P
#17		2		1	1	Zyl - 12.0	2-Meth.80	Lime Bio-P
#18		2	VO+SVO	1	1	Zyl - 13.0	2-Meth.86	Lime Bio-P
#19		No Screen	VO+SVO	None	None	Zyl - 260.	2-Meth.50	Lime Bio-P
#20		No Screen	VO+SVO	None	None	Zyl - 3900.	2-Meth.52	Lime Bio-P
						Tolu - 21.0	Ben-A 48.	
						Ethben8.4		
						Ttrchl-5.9		
#21			Glacial Cemented Stone Conglomerate					
#22			Glacial Cemented Stone Conglomerate					
#23	1		VO+SVO			Zyl - 54.	2-Meth.35	Bio-Pile
#24	1		VO+SVO			Zyl - 149.	2-Meth.43	Bio-Pile
#25	1		VO+SVO			Zyl - 127.	2-Meth1.4	Bio-Pile
#26	1		VO+SVO			Zyl - 72.	2-Meth.66	Bio-Pile
#27	1		VO+SVO			Zyl - 147.	2-Meth.47	Bio-Pile
#28	1		VO+SVO			Zyl - 25.	2-Meth1.2	Bio-Pile
#29	1			1		Zyl - 72.	OK	Bio-Pile
#30	1			1		Zyl - 78.	OK	Bio-Pile
#31				1		Zyl - 84.	OK	Bio-Pile
#32				1		Zyl - 25.	OK	Bio-Pile
#33				1		OK	OK	Bio-Pile
#34				1		OK	OK	Bio-Pile
#35				1		Zyl - 4.4	OK	Bio-Pile
#36				1		Zyl - 5.6	OK	Bio-Pile
#37				1		Zyl - 30.	OK	Bio-Pile
#38				1		Zyl - 920.	OK	Bio-Pile
#39				1		Zyl - 109.	OK	Bio-Pile

Project Name:	SMC Maestri 04100-0034
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Pile Inventory Summary

Date: 08/16/96

Number	Pile Size (Yd3)	Pile Location	Moisture Content	Lime?	Soil PID	Screening Iterations						Pass? V/SV
						1	2	3	4	5	6	
1	200	Top 5"	Low		0							Y/Y
2	200	Top 4 feet - no PID	Low		0	0%						Y/Y
3	200	Top 4 feet - no PID	Low	Y	0	99%	32%					Y/Y
4	200	Top 4 feet - no PID	Low		0							Y/Y
5	200	Top 4 feet - no PID	Low	Y	0	67%						Y/Y
6	200	Top 4 feet - PID	High		NA	X	59%	100%				Y/Y
7	200	Top 4 feet - PID	High		NA	X	100%					Y/Y
8	200	Top 4 feet - PID	High		NA	X	96%					Y/Y
9	200	Lower soils	Saturated	Y	NA	X	X	37%	-42%	57%		4.1/N
10	200	Lower soils	Saturated	Y	NA	X	77%	79%	-13%	29%	56%	Y/Y
11	200	Top 4 feet - PID	Saturated	Y	NA	29%	80%	33%	-25%	41%	23%	1.7/N
12	200	Lower soils	Saturated	Y	NA	X	43%	60%	45%			Y/N
13	200	Lower soils	High	Y	NA	X	86%	-220%	79%			2.4/N
RP	200	Reject soils	Low		NA	X						Y/Y
14	200	Lower soils	High	Y	1500	X	51%	68%	73%	54%	53%	3.0/N
15	200	Lower soils	Saturated	Y	722	X	56%	53%	73%			3.0/N
16	200	Lower soils	Saturated	Y	1000	X	56%	75%				3.0/N
17	200	Mid-level soils	High	Y	1217	42%	8/15					10.4/p
18	200	Mid-level soils	High	Y	4	8/19	8/19					p/p

Notes: Soil PID is from an as-removed headspace analysis
 "X" - Pile has been screened, but a reduction percentage was not available.
 "7/18" - or any other date indicates the day analytical results are due.
 Shaded cells indicated that lime was added prior to processing.
 "Pass" column: Y=Yes, p=Pending, ##= remaining VOCs (ppm)

Project Name:	SMC Maestri 04100-0034
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Material Processing Summary

Date: 08/22/96

Date	Yards of Contaminated Soil Removed		Total Soil Removed	Yards of Soil Screened		Yards of Soil Re-Screened		Yards of Soil Mixed With Lime		Weekly SMC Rep. Approval
	Daily	Total		Daily	Total	Daily	Total			
06/18/96	-	-	150	-	-	-	-	-		
06/19/96	-	-	350	-	-	-	-	-		
06/20/96	-	-	600	-	-	-	-	-		
06/21/96	500	500	1,500	-	-	-	-	-		
06/24/96	500	1,000	2,000	150	150	-	-	-		
06/25/96	-	1,000	2,000	250	400	-	-	-		
06/26/96	-	1,000	2,000	200	600	-	-	-		
06/27/96	-	1,000	2,000	75	675	200	200	-		
06/28/96	-	1,000	2,000	-	675	400	600	-		Y
07/01/96	-	1,000	2,000	300	975	-	600	-		
07/02/96	600	1,600	2,600	25	1,000	200	800	-		Y
07/08/96	-	1,600	2,600	200	1,200	-	800	400	400	
07/09/96	300	1,900	2,900	175	1,375	200	1,000	300	700	
07/10/96	-	1,900	2,900	425	1,800	-	1,000	400	1,100	
07/11/96	-	1,900	2,900	200	2,000	200	1,200	400	1,500	
07/12/96	-	1,900	2,900	-	2,000	275	1,475	-	1,500	Y
07/15/96	-	1,900	2,900	75	2,075	125	1,600	-	1,500	
07/16/96	100	2,000	3,000	125	2,200	350	1,950	300	1,800	
07/17/96	200	2,200	3,200	200	2,400	235	2,185	200	2,000	
07/18/96	-	2,200	3,200	-	2,400	415	2,600	-	2,000	
07/19/96	-	2,200	3,200	-	2,400	200	2,800	-	2,000	Y
07/22/96	-	2,200	3,200	(200)	2,200	25	2,825	-	2,000	
07/23/96	-	2,200	3,200	400	2,600	175	3,000	200	2,200	
07/24/96	-	2,200	3,200	-	2,600	800	3,800	-	2,200	
07/25/96	-	2,200	3,200	-	2,600	400	4,200	-	2,200	
07/26/96	-	2,200	3,200	200	2,800	200	4,400	-	2,200	Y
07/29/96	-	2,200	3,200	-	2,800	600	5,000	-	2,200	
07/30/96	-	2,200	3,200	-	2,800	750	5,750	-	2,200	
07/31/96	-	2,200	3,200	-	2,800	550	6,300	-	2,200	
08/01/96	-	2,200	3,200	-	2,800	75	6,375	-	2,200	
08/02/96	-	2,200	3,200	-	2,800	25	6,400	-	2,200	Y
08/05/96	-	2,200	3,200	-	2,800	200	6,600	-	2,200	
08/06/96	-	2,200	3,200	-	2,800	200	6,800	-	2,200	
08/07/96	325	2,525	3,525	-	2,800	300	7,100	200	2,400	
08/08/96	-	2,525	3,525	-	2,800	100	7,200	-	2,400	
08/09/96	-	2,525	3,525	100	2,900	-	7,200	200	2,600	Y
08/12/96	-	2,525	3,525	-	2,900	-	7,200	-	2,600	
08/13/96	-	2,525	3,525	100	3,000	200	7,400	-	2,600	
08/14/96	-	2,525	3,525	100	3,100	-	7,400	200	2,800	
08/15/96	-	2,525	3,525	100	3,200	200	7,600	-	2,800	
08/16/96	-	2,525	3,525	-	3,200	-	7,600	-	2,800	
08/19/96	175	2,700	3,700	-	3,200	-	7,600	-	2,800	

Project Name:	SMC Maestri 04100-0034
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Material Processing Summary

Date: 08/22/96

Date	Yards of Contaminated Soil Removed		Total Soil Removed	Yards of Soil Screened		Yards of Soil Re-Screened		Yards of Soil Mixed With Lime		Weekly SMC Rep. Approval
	Daily	Total		Daily	Total	Daily	Total			
08/20/96	200	2,900	3,900	-	3,200	-	7,600	-	2,800	
08/21/96	-	2,900	3,900	-	3,200	-	7,600	-	2,800	

Dirty: 15
 Total: 20

1st: 16
 total: 18

x: 38
 Lime 14 piles
 7.0 trucks

SMC Maestri

Soil Pile Analytical Results

7/29/96

Pile 09											
Sandy, saturated soils											
"Baking" Time (hrs)											
Pre-Screen Temp (F)											
Sample Temp (F)											
Headspace (ppmv)											
(lower soils)											
	RA05	MSP09-2A	MSP09-2B		MSP09-3A	MSP09-3B		MSP09-4A	MSP09-4B		
Total VOCs	10	7	14	***FAIL***	6	7.3	Pass	14	4.9	***FAIL***	
t-1,2-Dichloroethylene	0.3	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Tetrachloroethylene	1.4	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Benzene	0.06	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Ethylbenzene	5.5	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Toluene	1.5	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Xylene	1.2	7	14	***FAIL***	6	7.3	***FAIL***	14	4.9	***FAIL***	
Total SVOCs	500	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
2-methylphenol (o-Cresol)	0.33	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
4-methylphenol (p-Cresol)	0.9	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
2,4-Dimethylphenol	NA	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
Benzoid Add	2.7	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
Total VOC Reduction							37%			42%	

Jul. 29 1996 11:12AM PB

PHONE NO. : 3154887987

FROM : Fluor Daniel GTI

B. Traub

SMC Maestri

Soil File Analytical Results

7/29/96

Jul. 29 1996 11:12AM P7

PHONE NO. : 3154887907

FROM : Fluor Daniel GTI

Pile 11													
		Sample IDs			Sample IDs (With Lime)			Sample IDs			Sample IDs		
Saturated sand & clay					24	24							
"Baking" Time (hrs)											78	78	
Pre-Screen Temp (F)											78	78	
Sample Temp (F)											222	222	
Pre-Screen (ppmv)											158	158	
Headspace (ppmv)													
(lower soils)	RAOs	MSP11-0A	MSP11-0B		MSP11-1A	MSP11-1B		MSP11-2A	MSP11-2B		MSP11-3A	MSP11-3B	
Total VOCs	10	54	11	***FAIL***	25	21	***FAIL***	5.4	3.6	Pass	2.4	3.6	Pass
t-1,2-Dichloroethylene	0.3	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass
Tetrachloroethylene	1.4	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass
Benzene	0.06	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass
Ethylbenzene	5.5	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass
Toluene	1.5	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass
Xylene	1.2	54	11	***FAIL***	25	21	***FAIL***	5.4	3.6	***FAIL***	2.4	3.6	***FAIL***
Total SVOCs	500	ND	ND	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass
2-methylphenol (o-Cresol)	0.39	ND	ND	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass
4-methylphenol (p-Cresol)	0.9	ND	ND	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass
2,4-Dimethylphenol	NA	ND	ND	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass
Benzoid Acid	2.7	ND	ND	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass	*NA*	*NA*	Pass
Total VOC Reduction					29%					80%			33%

R. Trank

Jul. 29 1996 11:11AM P6

PHONE NO. : 3154887987

FROM : Fluor Daniel GTI

Pile 12		Sample IDs			Sample IDs			Sample IDs			Sample IDs		
Saturated sand & clay		(With Lime)											
"Baking" Time (hrs)		24			NA			NA			NA		
Pre-Screen Temp (F)		24			74			74			75		
Sample Temp (F)					74			74			75		
Headspace (ppmv)					254			83					
(lower soils)		RAOs	MSP12-1A	MSP12-1B		MSP12-2A	MSP12-2B		MSP12-3A	MSP12-3B		MSP12-4A	MSP12-4B
Total VOCs	10		8	9.5	Pass	4.3	5.6	Pass	1.5	2.5	Pass	1.0	1.2
t-1,2-Dichloroethylene	0.3		ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND
Tetrachloroethylene	1.4		ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND
Benzene	0.06		ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND
Ethylbenzene	5.5		ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND
Toluene	1.5		ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	ND	ND
Xylene	1.2		8	9.5	***FAIL***	4.3	5.6	***FAIL***	1.5	2.5	***FAIL***	1.0	1.2
Total SVOCs	500		*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*
2-methylphenol (o-Cresol)	0.33		*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*
4-methylphenol (p-Cresol)	0.9		*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*
2,4-Dimethylphenol	NA		*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*
Benzofl Acid	2.7		*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*
Total VOC Reduction							43%				60%		45%

Soil Pile Analytical Results

B. Topp

PHONE NO. : 3154887907

FROM : Fluor Daniel GTI

Pile 13		Sample IDs					Sample IDs			Sample IDs		
Saturated day		(With Lime)					(Slow processing rate)					
"Baking" Time (hrs)		24	24	24		78	78		75	75		
Pre-Screen Temp (F)						68	68		75	75		
Sample Temp (F)						59.1	59.1		450	450		
Headspace (ppmv)												
(lower soils)	RADs	MSP13-1A	MSP13-1B	MSP13-1C		MSP13-2A	MSP13-2B		MSP13-3A	MSP13-3B		
Total VOCs	10	12	33	28	***FAIL***	3.2	3.6	Pass	8.1	13.7	***FAIL***	
t-1,2-Dichloroethylene	0.3	ND	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Tetrachloroethylene	1.4	ND	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Benzene	0.06	ND	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Ethylbenzene	5.5	ND	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Toluene	1.5	ND	ND	ND	Pass	ND	ND	Pass	ND	ND	Pass	
Xylene	1.2	12	33	28	***FAIL***	3.2	3.6	***FAIL***	3.2	3.6	***FAIL***	
Total SVOCs	500	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
2-methylphenol (o-Cresol)	0.33	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
4-methylphenol (p-Cresol)	0.9	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
2,4-Dimethylphenol	NA	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
Benzoid Acid	2.7	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*	
Total VOC Reduction								86%			220%	

SMC Maestri

Soil Pile Analytical Results

7/29/96

Jul. 29 1996 11:10AM P4

PHONE NO. : 3154887987

FROM : Fluor Daniel GTI

Pile 14		Sample IDs (With lime)				Sample IDs		
Saturated sand & clay								
"Baking" Time (hrs)		24	24	24		NA	NA	
Pre-Screen Temp (F)		75	75	75		75	75	
Sample Temp (F)		80	80	80		80	80	
Pre-screen ppmv		912	912	912		912	912	
Headspace		510	510	510		510	510	
(near small section of exc.)	RAOs	MSP14-1A	MSP14-1B	MSP14-1C		MSP14-1A	MSP14-1B	
Total VOCs	10	640	600	440	***FAIL***	278	270	***FAIL***
t-1,2-Dichloroethylene	0.3	ND	ND	ND	Pass	ND	ND	Pass
Tetrachloroethylene	1.4	ND	ND	ND	Pass	ND	ND	Pass
Benzene	0.06	ND	ND	ND	Pass	ND	ND	Pass
Ethylbenzene	5.5	ND	ND	ND	Pass	ND	ND	Pass
Toluene	1.5	ND	ND	ND	Pass	ND	ND	Pass
Xylene	1.2	640	600	440	***FAIL***	278	270	***FAIL***
Total SVOCs	500	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*
2-methylphenol (o-Cresol)	0.33	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*
4-methylphenol (p-Cresol)	0.9	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*
2,4-Dimethylphenol	NA	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*
Benzoid Add	2.7	*NA*	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*
Total VOC Reduction								
51%								

B. Train

Jul. 29 1996 11:10AM P3

PHONE NO. : 3154887907

FROM : Fluor Daniel GTI

SMC Maestri

Soil Pile Analytical Results

7/29/96

Pile 15		Sample IDs (With lime)			Sample IDs		
Saturated sand & clay							
"Baking" Time (hrs)		24	24				
Pre-Screen Temp (F)		90	90		75	75	
Sample Temp (F)		85	85		75	75	
Pre-screen ppmv		101	101		780	780	
Headspace		250	250		264	264	
(near small section of exc.)	RAOs	MSP15-1A	MSP15-1B		MSP15-1A	MSP15-1B	
Total VOCs	10	72	36	***FAIL***	23	24	***FAIL***
t-1,2-Dichloroethylene	0.3	ND	ND	Pass	ND	ND	Pass
Tetrachloroethylene	1.4	ND	ND	Pass	ND	ND	Pass
Benzene	0.06	ND	ND	Pass	ND	ND	Pass
Ethylbenzene	5.5	ND	ND	Pass	ND	ND	Pass
Toluene	1.5	ND	ND	Pass	ND	ND	Pass
Xylene	1.2	73	36	***FAIL***	23	24	***FAIL***
Total SVOCs	500	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*
2-methylphenol (o-Cresol)	0.33	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*
4-methylphenol (p-Cresol)	0.9	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*
2,4-Dimethylphenol	NA	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*
Benzoid Add	2.7	*NA*	*NA*	*Not Calc.*	*NA*	*NA*	*Not Calc.*

Total VOC Reduction

56%

R. Trann

Appendix D
Correspondence/Documents

**FLUOR DANIEL GTI**

July 24, 1996

Mr. David Chiusano
Environmental Engineer
Bureau of Construction Services
Division of Hazardous Waste Remediation
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, New York 12233-7010

FDGTI Project: 011100531

Subject: SMC Maestri Project - Dust Control Procedures

Dear Dave,

The purpose of this letter is to request official approval for our proposed emergency dust control procedures at the above referenced site.

We propose to use the treated water from the existing water treatment system for any necessary dust control. As per the original plans, this water is currently being used as our equipment decontamination water, and is stored in a 1,100-gallon tank. The existing decontamination water pumps and some additional garden hoses will be utilized to apply the water on the required surfaces. Water will only be applied if excessive dust inside the building causes dangerously low visibility or if outside dust becomes a nuisance. The water removed from the treatment system for dust control and decontamination will be tracked and submitted twice a week to the treatment system operator. We do not anticipate having to apply more than 400 gallons per day to effectively control dust.

The weekly sampling results of the treated water will be provided to Paul Barth, the NYSDEC on-site representative, by SMC as they become available.

Sincerely,
Fluor Daniel GTI, Inc.

Brian M. Trapp
Site Superintendent

mbe

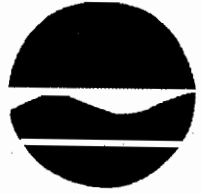
BMT:mbe

c: Chris Goddard, Stauffer Management Company
Mike Sykes, Fluor Daniel GTI
Don Shosky, Fluor Daniel GTI

#62bc/Maestri/0531dust.798

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

July 25, 1996



Michael D. Zagata
Commissioner

Brian M. Trapp, Site Superintendent
Fluor Daniel GTI
1245 Kings Road
Schenectady, NY 12303

RE: Dust Control, SMC Maestri Project
Site # 7-34-025, Geddes, New York

Dear Mr. Trapp:

I have reviewed your letter dated 7/24/96 regarding your request to use treated water from the on-site WWTP for dust control. Based upon my review, and your commitment to provide the Department with weekly, updated sample results for the treated water your request has been approved.

Should you have any further questions on this matter please do not hesitate to contact me at (518) 457-7878.

Sincerely,

David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: Chris Goddard, SMC
Joe Mac Arthur, SMC
Mike Sykes, GTI
Don Shosky, GTI
John May, Region 7 NYSDEC
Dave Albers/Paul Barth, E&E

D. Chiusano

August 5, 1996

Michael D. Zagata
Commissioner

Mr. Everett Rice, Field Inspector
Maestri Site Remediation Project
Stauffer Management Corporation
904 State Fair Boulevard
Geddes, NY 13209

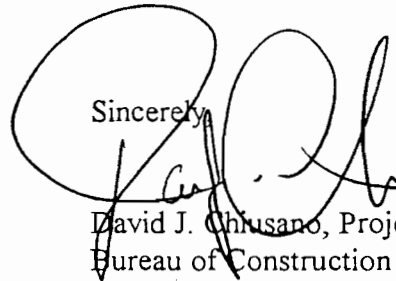
**RE: Sand Bags for Non-Contaminated Covered Piles
Maestri Site, #7-34-025**

Dear Mr. Rice:

In response to your recent request the Department approves the use of "clean" soil for sand bagging of covered sandpiles existing outside of the temporary structure. Clean soil is defined, in this case, as soils that have been screened, analyzed, and determined to contain levels of VOCs and SVOCs below the established criteria for the subject site.

Should you have any further questions on this matter please do not hesitate to contact me at (518) 457-7878.

Sincerely,



David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

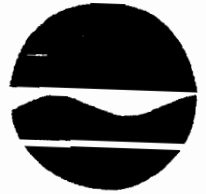
cc: C.Goddard, SMC
D.Shosky, Fluor Daniels GTI
M.Sykes, Fluor Daniels GTI
J. May, Region 7 - NYSDEC
D. Albers/P. Barth, Ecology & Environment

bcc: G.Harris
D.Chiusano (2)
Dayfile

Post-it® Fax Note	7671	Date	8/5/96	# of pages	1
To	Everett Rice	From	D. CHIUSANO		
Co./Dept.	SMC	Co.	MSDEC		
Phone #		Phone #			
Fax #	(315) 488-7907	Fax #			

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

August 6, 1996



Michael D. Zagata
Commissioner

Michael P. Sykes, Project Manager
Fluor Daniels GTI
1245 Kings Road
Schenectady, NY 12303

RE: Contractor's Submittals, Maestri Site, # 7-34-025

Dear Mr. Sykes:

I have reviewed your letter dated July 30, 1996 and I have the following comments:

- 1) Your plan to screen soils as outlined in your response number 16B is acceptable to the Department. However, a plan to stage SVOC contaminated piles prior to being disposed off-site or being placed into bio-piles has not been presented. In light of recent events at the site, extra measures must be taken to prevent vapors, dust, and water run-off from contaminated piles that may be temporarily staged outside of the enclosure.
- 2) Attachment #1, as identified in your response 2a, has not been included within the letter.
- 3) In response 5a, the referenced table has not been included within your letter.
- 4) A revised site figure has not been included as referenced in response 10.
- 5) When will Department expect to receive supplemental information from GTI on construction of biopiles?

Please respond to the above comments as soon as possible. Should you have any questions or comments please do not hesitate to contact me at (518) 457-7878.

Sincerely,

David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

Attachment

cc: Chris Goddard, SMC
Everett Rice, SMC - Maestri Site
Don Shosky, Fluor Daniels GTI
D.Albers/P.Barth, E&E
J.May, Region 7 - NYSDEC

bcc: G.Harris
D.Chiusano (2) ✓
Dayfile

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

August 23, 1996



Michael D. Zagata
Commissioner

Mr. Michael P. Sykes, Project Manager
1245 Kings Road
Schenectady, New York 12303

RE: SMC Maestri Project - Stockpiling of SVOC Soils

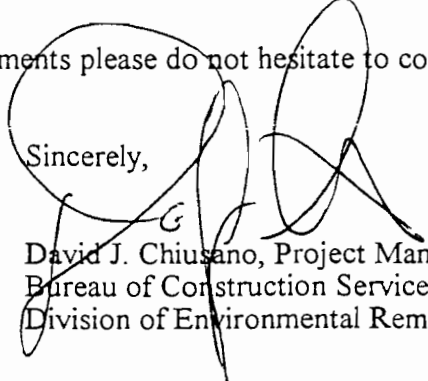
Dear Mr. Sykes:

I have reviewed your letter dated August 6, 1996, which was faxed to me on August 23, 1996, addressing the subject of stockpiling SVE contaminated soils at the subject site. As the result of my review I approve the procedure to temporarily stockpile provided the following minor questions are addressed:

- 1) What material will the berm consist of? How will it be placed? What will happen to the berm following stockpiling?
- 2) The Department will require that GTI use a minimum 6 mil thick poly material to cover the piles.
- 3) The piles must also be routinely monitored for residual odors.
- 4) How long does GTI anticipate on staging piles? Approximate volumes to be stockpiled? Handling procedures (i.e. transportation/equipment/decon from inside building to outside stockpile and from outside stockpile to biopile) needs to be briefly discussed. Dust control measures must be in place.
- 5) In your response, please provide sketch showing proposed location of stockpiles in the southwest section of property. (thought should be given to stockpile in an area not very visible from State Farm Blvd. and/or the residential area if practical/possible).

Should you need clarification on these comments please do not hesitate to contact me at (518)457-7878.

Sincerely,


David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: C. Goddard, SMC
E. Rice, SMC-Maestri Site
D. Shosky, GTI
B. Trapp, GTI-Maestri Site
J. May, Region 7
D. Albers/P. Barth, E&E



FLUOR DANIEL GTI

August 6, 1996

Faxed August 23, 1996

Mr. David Chiusano
Environmental Engineer
Bureau of Construction Services
Division of Hazardous Waste Remediation
New York State Department of
Environmental Conservation
60 Wolf Road
Albany, New York 12233-7010

FDGTI Project: 011100531

Subject: SMC Maestri Project - Stockpiling of SVOC Soils

Dear Dave,

The purpose of this letter is to request official approval for our proposed soil stockpiling procedures.

Since some of the soils at the above referenced site have been screened twice and still contain levels of semi-volatile compounds (SVOCs) above the remedial action objectives (RAOs), they must be temporarily stockpiled.

We propose stockpiling the soils with residual SVOC levels above the RAOs outside of the temporary enclosure in accordance with the previously submitted excavation execution plan. These soils will be protected as follows. Soils will be placed inside an area approximately 74 by 100 feet wide, and surrounded by a one-foot high berm. This berm will serve to divert surface water away from the soil pile. The base of the stockpile area will be covered with four twenty by one hundred foot lengths of ten mil poly sheeting, with each sheet overlapping the other by two feet. Once the soil has been placed inside this area, it will be covered by a four or six mil poly sheet, also twenty feet wide by one hundred feet long, running perpendicular to the bottom sheets of poly. These top sheets will also overlap each other by approximately two feet. At the sides of the pile, where the top and bottom sheets meet, sandbags will be used to anchor the sheeting. It is anticipated that this size pile will hold at least two thousand cubic yards of soil.

The bottom layer will be constructed before any soils are placed, and the top layers will be placed over the soil at the end of each work day. We currently propose to locate this stockpile at the southwest section of the property (across the access road from the clean soil stockpiles).

#62bc/Maestri/05318VOC.888



FLUOR DANIEL GTI

If you have any questions about this plan please do not hesitate to call me at (518) 370-5631.

Sincerely,
Fluor Daniel GTI, Inc.

Michael P. Sykes
Project Manager

BMT:mbe

c: Chris Goddard, Stauffer Management Company
Joe MacArthur, Stauffer Management Company
Brian Trapp, Fluor Daniel GTI
Don Shosky, Fluor Daniel GTI

**FLUOR DANIEL GTI**

August 26, 1996

Mr. David Chiusano
Project Manager
New York State Department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233

FDGTI Project: 011100532

SUBJECT: SMC Maestri Project - Stockpiling of SVOC Soils

Dear Dave,

The following is a response to comments raised in your August 23, 1996 letter. Your August 23, 1996 comments are presented in attachment 1 as a reference.

1. Response: The berm will be constructed of native non-impacted soils. The berm will be placed with use of a bulldozer and front end loader. The berm will be below poly and following the removal of impacted soils the berm area will be regraded to existing grades.
2. Response: 6mil poly will be used to cover the stockpile piles. 10mil poly will be used under the stockpiles.
3. Response: The stockpile will be monitored every 30 minutes during the construction of the pile and 3 times daily thereafter.
4. Response: Temporary staging of SVOC soils is anticipated to last one to two weeks (time to start Bio-piles). Approximately 1,200 - 2,000 cubic yards will be temporarily stockpiled. Soils will be transported from the enclosure to the pile with a 3/4 full front end loader. The loader will be cleaned prior to transporting soils for the day. The loader will enter and exit the enclosure from the southwest entrance only and will not travel to areas beyond the screened soil stockpiles. Dust control through clean water spray and dust monitoring with the on-site field instruments will be used throughout the construction of the stockpile.



FLUOR DANIEL GTI

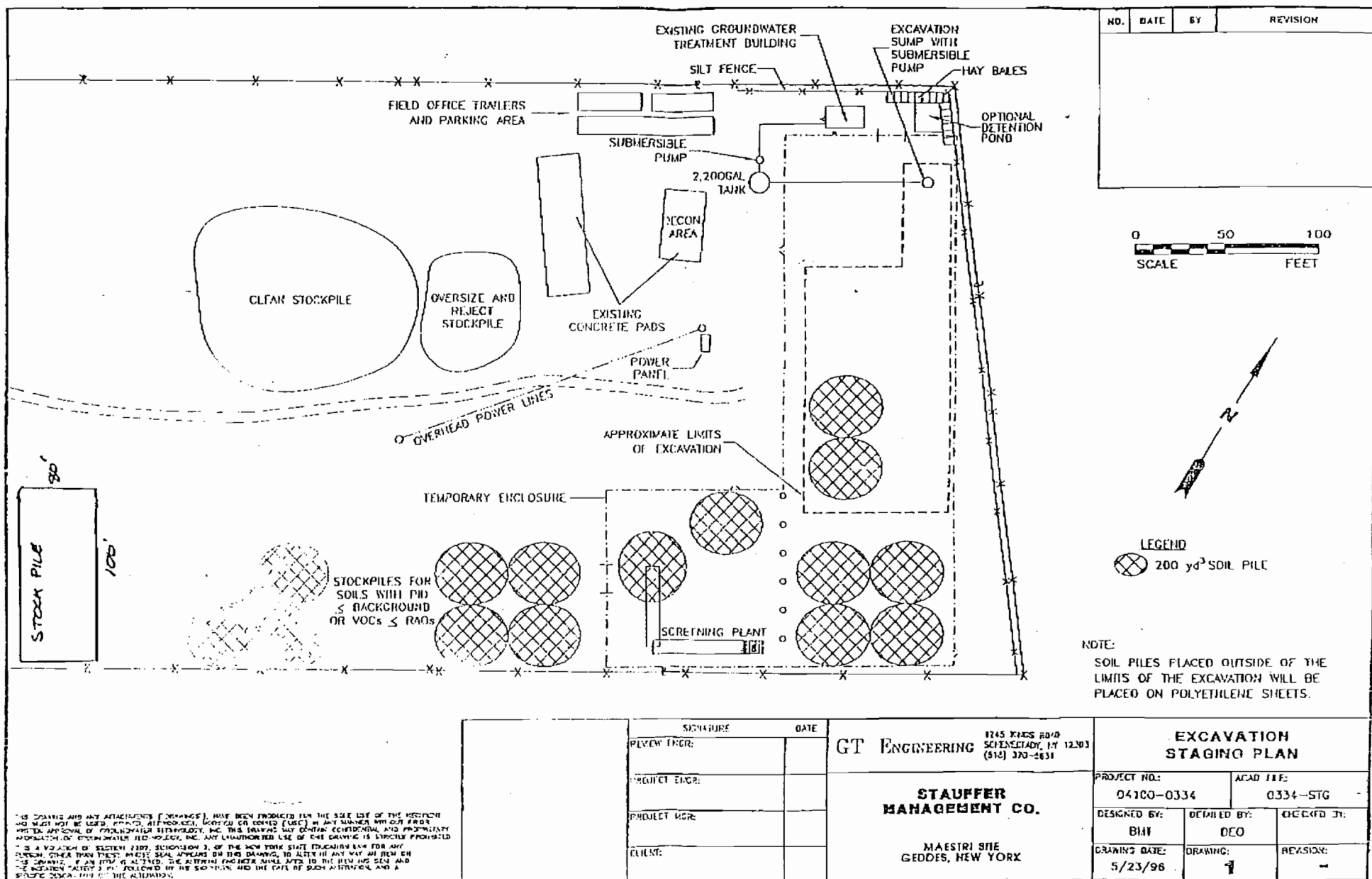
5. See attached sketch.

I hope these responses adequately answer your comments. If you should have any questions or comments, please do not hesitate to contact me at your convenience at (518) 370-5631).

Sincerely,
FLUOR DANIEL GTI, INC.

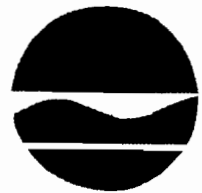
Mike Sykes
Project Manager

Copy: Everett Rice, SMC
 Chris Goddard, SMC
 Joe MacArthur, SMC
 Brian Trapp, FDGTI
 John May, NYSDEC
 Paul Barth



New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

September 3, 1996



Michael D. Zagata
Commissioner

Michael P. Sykes, Project Manager
GT Engineering, P.C.
1245 Kings Road
Schenectady, NY 12303

Mike Sykes

**RE: Bioremediation/Soil Vapor Extraction Soil Piles
Maestri Site Project, Site # 7-34-025, Geddes**

Dear Mr. Sykes:

I have received your August 27, 1996 proposal which briefly outlines specifics surrounding the construction of biopiles at the subject site. Before the plan can be approved a few questions/concerns will need to be addressed to the satisfaction of the Department.

- 1) How has the addition of lime into the soil during the screening process potentially affected the effectiveness of the biopile? (i.e. how can we be sure that bugs will survive within the pile?).

How Does GTI intend to lower the pH of the piles to support bug life?

Will bench scale testing be necessary? How will the piles be mixed with nutrients and/or other additions to ensure homogeneity? The Department may require future sampling to ensure homogeneity and the presence of bug life.

- 2) Justifications for use of substituted materials during biopile construction must be given within plan.
- 3) Monitoring and sampling requirements of the piles must be outlined within GTI's plan.

Please provide a response to these comments as soon as you can since it is understood that construction of the piles (trench work and sub base placement) has begun. Alternately, it is suggested that these issues be discussed at our upcoming 9/6/96 meeting in Albany. In the meantime, please do not hesitate to contact me at (518) 457-7878.

Sincerely,

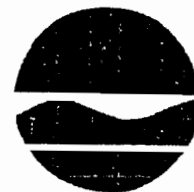
[Signature]
David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: C.Goddard, SMC
D.Albers/P.Barth, E&E
J.May, Region 7 - NYSDEC

Mike Sykes

New York State Department of Environmental Conservation
0 Wolf Road, Albany, New York 12233

September 4, 1996



Michael D. Zagata
Commissioner

Michael P. Sykes, Project Manager
GT Engineering, P.C.
1245 Kings Road
Schenectady, NY 12303

**RE: Bioremediation/Soil Vapor Extraction Soil Piles Plan
Maestri Site Project, Site # 7-34-025, Geddes**

Dear Mr. Sykes:

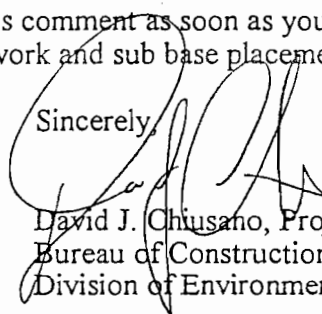
I am providing you with an additional comment received today from our regional staff as a follow up to my previous letter, dated 9/3/96, regarding the subject plan. Basically, their comment was as follows:

- 1) On the figure depicting the cross-section of the proposed bio-pile it indicates that 2" slotted pvc piping will be used as air injection piping and for moisture/nutrient addition. Is GTI confident that this piping will be strong enough in compression to withstand the gravitational forces exerted by the soil on top of it?

If pipe breaks how will it be detected and how will it be repaired? GTI must insure that a broken pipe will not tear the 40 mil liner below the pile.

As before, please provide a response to this comment as soon as you can since it is understood that construction of the piles (trench work and sub base placement) has begun.

Sincerely,


David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: C.Goddard, SMC
D.Albers/P.Barth, E&E
J.May, Region 7 - NYSDEC



FLUOR DANIEL GTI

September 9, 1996

Mr. David Chiusano
Project Manager
New York State Department of Conservation
50 Wolf Road
Albany, New York 12233

**Subject: Recap of September 6, 1996 Progress Meeting
Procedures for Moving Forward - Biopile Construction
SMC - Maestri Project
FDGTI Project: 011100531**

Dear Mr. Chiusano,

We have developed this letter to clearly identify the operations that will be performed at the Maestri site over the next 4 to 6 week period to excavate, screen, and construct biopiles in an effective/efficient manner.

Starting Monday, September 9, 1996, the following activities will take place:

- Soils will be conditioned with the remaining quicklime (approximately 400 cubic yards) and screened in the existing screening plant.
- Soils will be transferred to the Bio/SVE piles following SVOC and VOC laboratory sample collection. Bio/SVE soils will be constructed in 200 cubic yard segments in the Bio/SVE soil pile until laboratory results are received. If soils meet the RAOs they will be moved from the Bio/SVE pile to a different stockpile prior to backfilling.
- Once all existing on-site quicklime has been used then the area in the enclosure will be scraped to remove residual lime. These soils will be sent to the first Bio/SVE soil pile.
- Remaining soils will be excavated and conditioned with vermiculite, wood chips and dry nutrients to improve handling, permeability, and nutrient loading. The soil amendments will be mixed in a pile then screened in the screen plant with the existing 3-inch top deck only.
- Laboratory samples will be collected for VOC and SVOCs (2 samples per 200 cubic yards of soil). Bio/SVE soils will be constructed in 200 cubic yard segments in the Bio/SVE soil pile until laboratory results are received. If soils meet the RAOs they will be moved from the Bio/SVE pile to a different stockpile prior to backfilling.



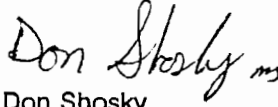
FLUOR DANIEL GTI

Fluor Daniel GTI is committed to completing the excavation Bio/SVE soil pile construction phase of this project within 6 weeks. If any of the above stated methods causes concern or comment please contact us at your earliest convenience at (518) 370 - 5631.

Sincerely,
Fluor Daniel GTI, Inc.


Mike Sykes
Project Manager

Fluor Daniel GTI, Inc.


Don Shosky
Project Director

c: Chris Goddard, Stauffer Management Co.
Joe MacArthur, Stauffer Management Co.
Brian Trapp, Fluor Daniel GTI
Everett Rice, Stauffer Management Co.
Paul Barth, E & E
Rick Gance, Fluor Daniel GTI
Todd Schwendeman, Fluor Daniel GTI



FLUOR DANIEL GTI

FILE

File: Maestri
File Code: 7C-SMC

September 23, 1996

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233-7010

FDGTI Project: 01110-0531

**Subject: Bioremediation/ Soil Vapor Extraction Soil Piles,
Response to Comments Provided in September 4, and 5, 1996 Letters
Technical Basis for Proposed Construction Alternatives
Maestri Site #7-34-025, Geddes, New York**

Dear Mr. Chiusano,

This letter is prepared to respond to comments raised in your above referenced correspondence regarding construction of the bio/SVE soil piles at the Maestri site. We have discussed the bio/SVE soil pile construction in our most recent two project meetings held on September 6 and September 12, 1996. Copies of your referenced correspondence are attached.

September 3, 1996 Correspondence

1. Quicklime addition to the soils was completed in accordance with the approved remediation plans, specifications, and contract documents. It was an effective soil drying agent and aided in Volatile Organic Compound (VOC) removal from the soils. Approximately 1,600 cubic yards of soil was treated with the quicklime. These soils have a current pH from 11 to 12. These soils will be placed into bio/SVE soil piles and ventilated with the bio/SVE blower system. Ph adjustment options of the soils treated with quicklime are currently being evaluated and include:

- A closed loop water injection/collection system is constructed within each bio/SVE soil pile and may be used to introduce a weak acidic solution to the soil pile as it is in operation over the next several months.
- Aluminum Sulphate may be added to the limed soils
- Sodium Bicarbonate may be added to the limed soils

PH sampling from the leachate and the soils will be a part of the operation and maintenance of the bio/SVE piles and will be detailed in an operation and maintenance submittal currently being prepared for your departments review.



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2. Fluor Daniel GTI (FDGTI) has presented three substituted or omitted material changes to the original plans. Justification for each of the changes is presented below:

a. Substitute reject stone for specified pea gravel - Use of on-site stone materials left over from the soil screening process as a drainage layer for the bio/SVE soil piles is recommended to prevent increasing the amount of off-site material brought to the site. The stone reject material has been screened several times and contains stone material greater than 1/4-inch in size and less than 3 inches and would not impact the drainage characteristics of the drainage layer.

b. Omit geogrid materials from construction - The geogrid materials would have to be removed and disposed of off-site (in a landfill most likely) at the completion of the bio/SVE pile operations prior to backfilling the site excavation. The soil type found to date has been a sandy material with some silt and provides adequate stability to construct piles approximately 8 feet high.

c. Bio/SVE soil pile cover material - A lighter weight cover material is proposed for the pile to improve access to the pile, speed up construction time of the pile, and reduce the amount of waste material at the completion of the project. The proposed polyethylene/nylon layered material is chemically compatible, reinforced for strength and constructed in a fashion to completely cover the bio/SVE soil piles with one sheet. The material is lighter in weight than the specified 40-mil low density polyethylene material which will allow for faster construction, improved pile access (for sampling, monitoring, etc.) and less waste for disposal at the completion of the bio/SVE soil pile operation.

3. Monitoring and sampling requirements of the bio/SVE soil piles will be submitted under separate cover within the next week and will be based upon the existing sampling plan, and project specifications.

September 4, 1996

1. The PVC piping in the bottom of the cell will have soil pressures less than 10 psi upon it in the bottom of the 8 foot high soil pile. Fluor Daniel GTI is confident that the slotted pipe will be strong enough to withstand these forces.

Pipe breaks within the pile may be detected by a measured difference in flow characteristics of a particular section of piping. (For example an abnormally high vacuum required to extract air from one section as compared to another.) If this occurs then the pile will be excavated, the piping inspected and repaired as necessary. The piping is bedded with approximately 10-inches of pea stone or project reject stone (a small stone) and is not subject to extreme forces (10 psi), therefore, will not tear the 40 mil bottom liner.



FLUOR DANIEL GTI

Thank you for your continued expeditious review of documents and project issues. It has allowed the project to continue to be productive and efficient. If you have any questions or comments, please don't hesitate to call me at (518) 370-5631.

Sincerely,
Fluor Daniel GTI

Michael P. Sykes
Project Manager

cc: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC
Paul Barth, E&E
John May, Region 7 - NYSDEC
Don Shosky, FDGTI
Brian Trapp, FDGTI



FLUOR DANIEL GTI

MAESTRI
7B
FILE

September 30, 1996

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233-7010

FDGTI Project: 01110-0531

**Subject: Environmental Enclosure Removal and excavation care plan
Maestri Site #7-34-025, Geddes, New York**

Dear Mr. Chiusano,

This letter is prepared to detail site activities proposed in conjunction with the environmental enclosure s decontamination and removal following the excavation and sampling. This letter also details site activities proposed for the care of the excavation on the site during the time that the soil treatment is in operation within the bio/SVE soil piles.

Environmental Enclosure Decontamination

Following excavation and sampling activities an excavation ground water recovery system will be installed in the bottom one foot of the excavation. Decon of the building fabric will begin following construction of the ground water recovery system.

The environmental enclosure fabric material is a polyester material sandwiched between two PVC layers. The enclosure will be cleaned with a pressurized water wash while it is still standing. Treated water from the on-site groundwater treatment system will be pressurized and sprayed onto the fabric of the enclosure with the use of a high volume pressure water spray unit. Only the interior of the enclosure will be cleaned. The ground under the area to be washed will be sloped to the excavation and covered with polyethylene sheathing. Collected decon waters will be directed to the excavation drainage and sump area where they will be collected and pumped to the drainage area. Water collected in the drainage and sump area is pumped to the on-site treatment system. The enclosure fabric will continue to be washed until visually clean. Following cleaning the enclosure will be removed. Any base plates that may have soil on them will be swept visually clean of any soil prior to removal from the site. This decontamination procedure has been reviewed and is acceptable to Universal Structures, the enclosure owner.

Environmental Enclosure Removal

Removal of the enclosure will be completed by the manufacturers trained installation/ dismantling crews supervised by Fluor Daniel GTI and Stauffer Management Company representatives. Removal will begin



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at the southern end of the smaller structure and progress to the north. Removal activities generally will be as follows:

- Finish excavation/ sampling activities
- Removal of screen plant
- Installation of drainage layer and sump
- Decontamination/ Cleaning of enclosure including purlins, fabric and arches
- Removal of building purlins
- Removal of fabric
- Removal of arches (with crane)
- Dismantling of arches
- Removal of base plates
- Backfill any "clear" soils

Excavation Care

Following the removal of the building the remaining excavation will require care and monitoring until the bio/SVE soil piles are ready to use as backfill for the excavation. It is anticipated at this time that the excavation will be approximately 90 feet wide and 200 feet long and approximately 14 feet deep at the time the enclosure is removed. The bottom and sides of the excavation will have been sampled and the majority (if not all) of the sample locations will have met the site specific RAOs. Therefore, volatile organic compound (VOC) concentrations in the air above the excavation should not exceed any health limits. Odors may be present and detectable by smell but concentrations should be well below health risk concentrations. If odors become a problem then the soils may be covered with polyethylene sheathing.

Air monitoring with hand held Photo ionization Detectors (PID) will be completed and recorded once every hour during the removal of the enclosure and one day following complete removal. The existing fence line monitoring program will remain in effect until the enclosure has been down for at least one full day and concentrations are below health based action concentrations.

If there are some areas within the excavation sidewalls that did not meet the project criteria during excavation then they will be excavated following removal of the enclosure.

Following the removal of any remaining soils. The excavation sidewalls will be excavated or filled to a gentle slope (approximate 2 to 1). Soils cut from the sidewall will be compacted in the bottom of the excavation. This will reduce the hazard of falling into the excavation as well as reduce the depth of the excavation. An orange construction fence will be constructed along the top of the excavation. The fence will be approximately 4 feet high, bright orange in color and be set with a metal post approximately every 10 foot along the length of the excavation. The existing eight foot high chain link fence surrounding the site will be maintained and continued to be locked when the site is unoccupied.

When bio/SVE soils are found to be acceptable as backfill the excavation will be filled to its original grade with those soils, covered with topsoil and seeded within accordance of the existing specifications.

Thank you for your continued expeditious review of documents and project issues. It has allowed the



FLUOR DANIEL GTI

project to continue to be productive and efficient. If you have any questions or comments, please don't hesitate to call me at (518) 370-5631.

Sincerely,
Fluor Daniel GTI

Michael P. Sykes
Project Manager

cc: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC
Paul Barth, E&E
John May, Region 7 - NYSDEC
Don Shosky, FDGTI
Brian Trapp, FDGTI



FLUOR DANIEL GTI

FILE

Maestri
IB-DEL

October 1, 1996

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233-7010

FDGTI Project: 01110.0531

**Subject: Alternative Pile Construction for Bio/SVE soil piles on Northern side of property
Maestri Site #7-34-025
Geddes, New York**

Dear Mr. Chiusano,

It is anticipated that more than 4,000 cubic yards of soil will require treatment with the construction of bio/SVE soil piles at the above reference site. The site has very limited area on which to construct soil piles. Under the current soil pile arrangement approximately 4,000 cubic yards of soil could be treated with the current layout of bio/SVE soil piles. It is estimated that approximately 7,000 cubic yards of soil will need treatment with the bio/SVE soil piles. Two 1,000 cubic yard bio/SVE soil piles have been constructed on the southern end of the site. Fluor Daniel GTI proposes to construct one larger 5,000 cubic yard bio/SVE soil pile on the northern end of the site in place of the current plans for two 1,000 cubic yard piles.

The pile will be constructed as shown in the attached detail drawings and will maintain the same design parameters as the existing design that are:

- Air extraction rate between 15 and 30 cubic feet of air per minute for each 1,000 cubic yards of soil
- Moisture & nutrient addition drip lines every 2 feet
- 2-inch diameter air extraction piping every 6 - 8 feet
- 2-inch diameter passive air injection piping every 6 - 8 feet
- Drainage and aeration layer under pile
- 40 mil low density polyethylene bottom liner
- Sand bedding material placed under bottom liner
- Leachate collection piping
- 2-inch diameter monitoring points placed throughout the pile
- Relatively low pile height (10 foot versus 8 foot on smaller piles)

In addition the larger bio/SVE soil pile will be constructed with an additional set of 4-inch diameter slotted air extraction piping placed in the middle of the pile every 6 - 8 feet. This additional piping will allow for greater air access to the soil pile.



FLUOR DANIEL GTI

Soil placed in this larger pile will be preconditioned with vermiculite, woodchips and dry fertilizer during the soil screening process. The conditioned and screened soils will be sampled to verify contamination concentrations every 200 cubic yards. Operation, maintenance and sampling of the pile will be similar to the smaller piles and will be described in the operation and maintenance submittal.

Fluor Daniel GTI (FDGTI) is confident that this larger pile will provide the same level of effectiveness with the opportunity to accept a greater volume of soil from the excavation.

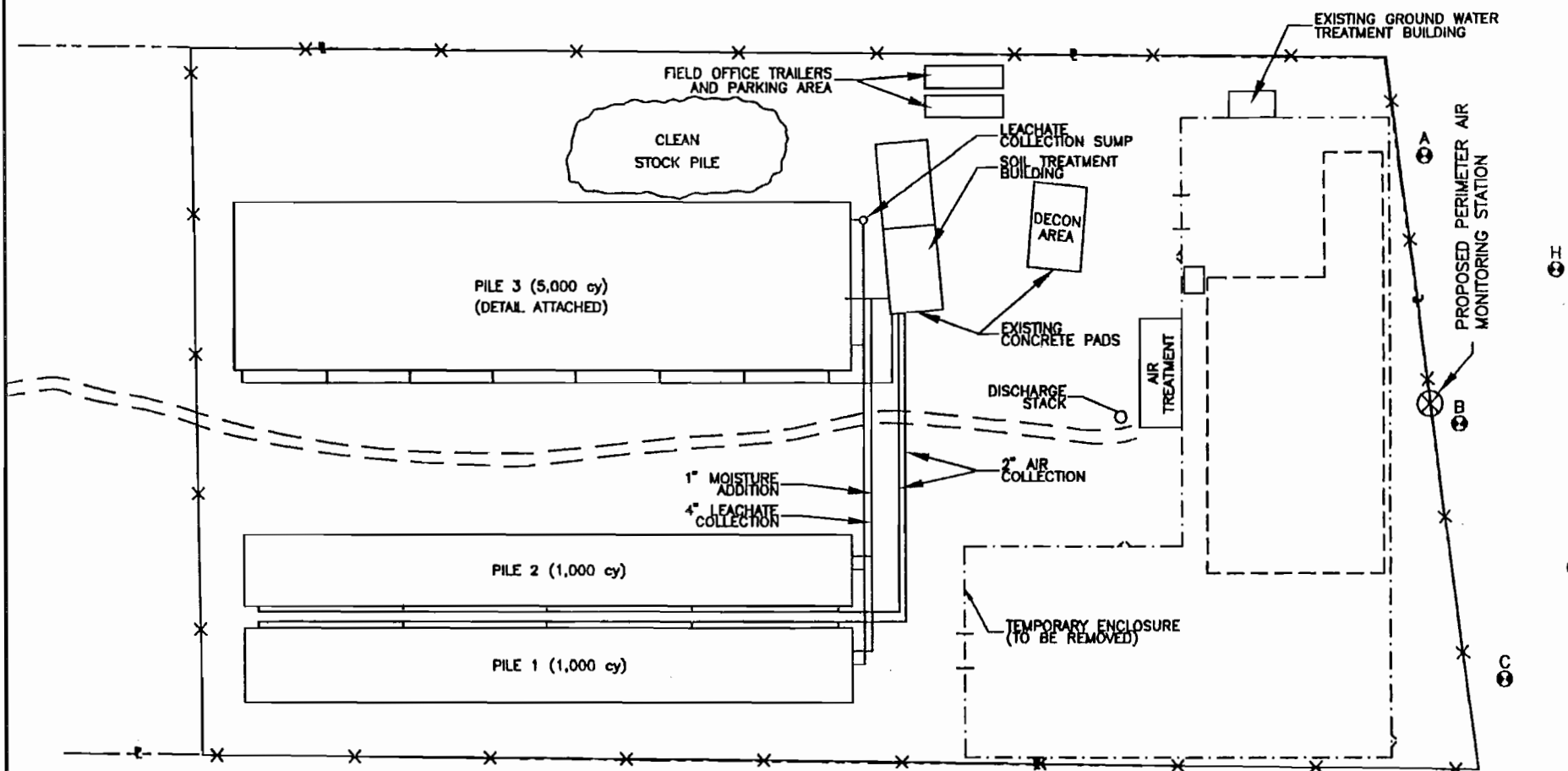
Thank you for your continued expeditious review of documents and project issues. It has allowed the project to continue to be productive and efficient. If you have any questions or comments, please don't hesitate to call me at (518) 370-5631 or Joe Burke, PE at (518) 371-3498.

Sincerely,
Fluor Daniel GTI

Michael P. Sykes
Project Manager

Joe Burke, PE
Professional Engineer
SPEC Consulting

cc: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC
Paul Barth, E&E
John May, Region 7 - NYSDEC
Don Shosky, FDGTI
Brian Trapp, FDGTI



LEGEND

- ⊙ EXISTING AIR MONITORING LOCATION
- == ACCESS ROAD
- t- MAESTRI SITE PROPERTY BOUNDARY
- x-x-x- 8' HIGH SECURITY FENCE
- - - - PROPOSED LIMITS OF EXCAVATION



FLUOR DANIEL QTI

1245 KINGS ROAD
SCHENECTADY, NY 12303
(518) 370-5831

PROJECT NO.: 01110-0531	ACAD FILE: 0531-STA	DRAWING DATE: 9/24/96
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DESIGNED:
BMT

DETAILED:
DEO

CHECKED:

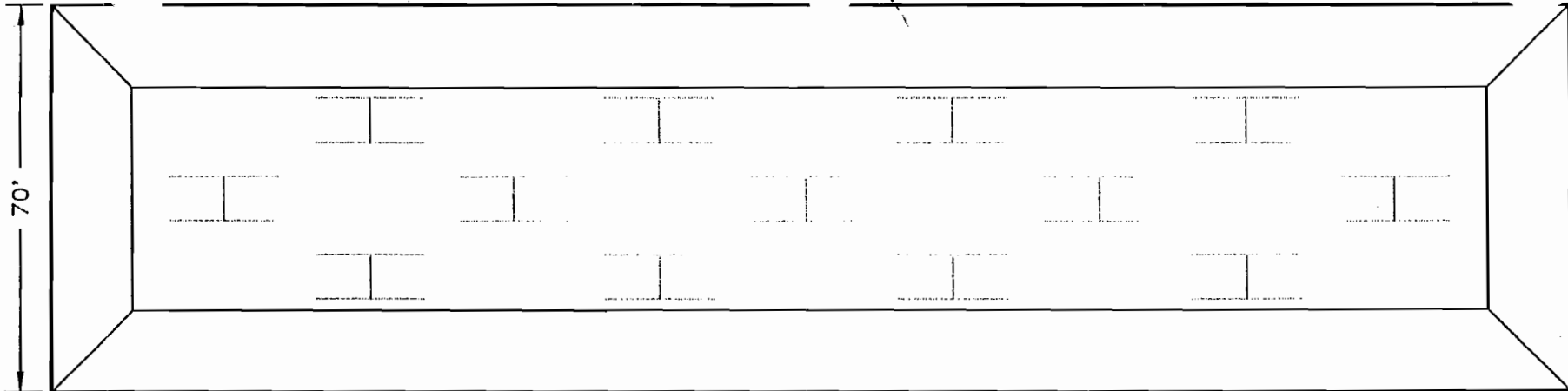
SITE MAP WITH BIO/SVE SOIL PILE LOCATIONS

CLIENT/LOCATION:
SMC/MAESTRI
GEDDES, NEW YORK.

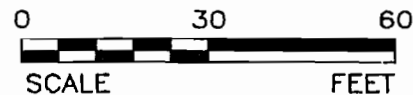
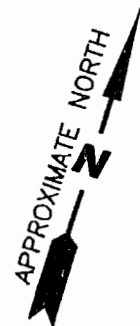
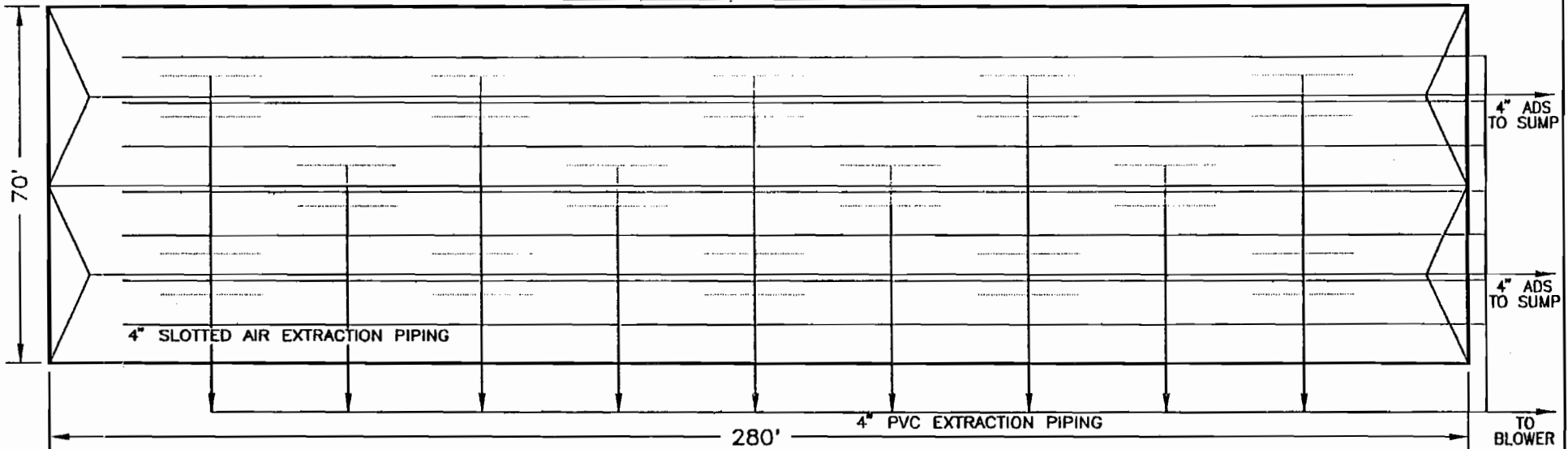
FIGURE:
1

PASSIVE AIR INS.

IN PIPING PLAN



AIR EXTRACTION/LEACHATE PIPING PLAN



FLUOR DANIEL QTI

1245 KINGS ROAD
SCHENECTADY, NY 12303
(518) 370-5831

PROJECT NO.:
01110-0531

ACAD FILE:
0531-PLN

DRAWING DATE:
9/24/96

DESIGNED:

MPS

DETAILED:

DEO

CHECKED:

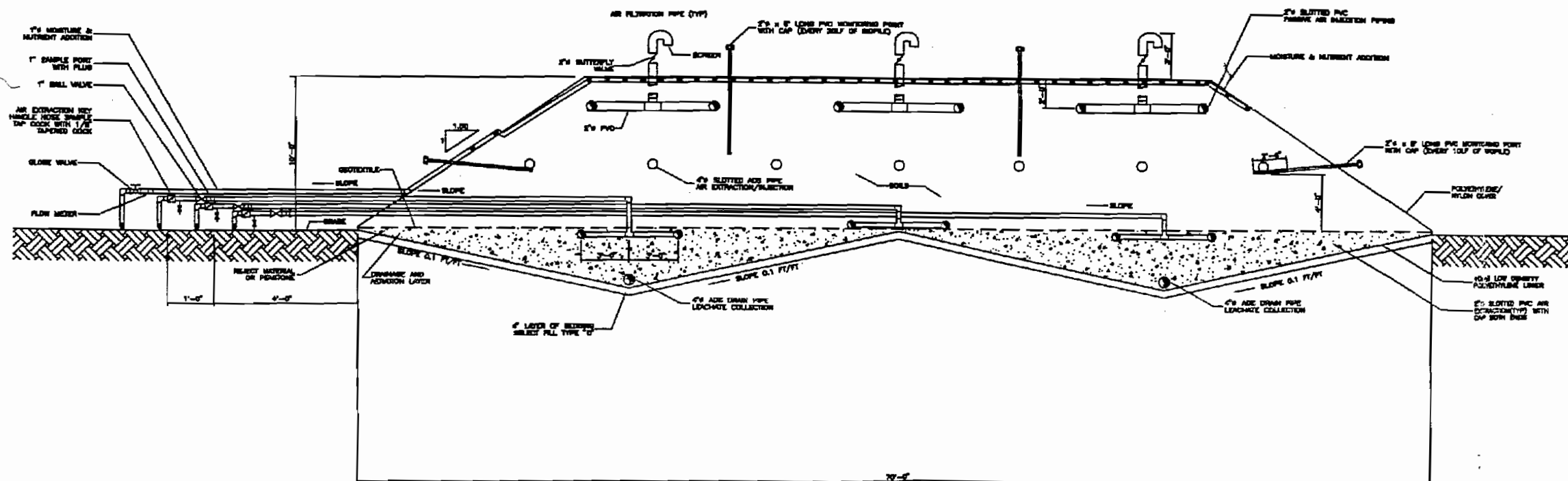
**PIPING DETAIL
BIO/SVE SOIL PILE**

CLIENT/LOCATION:
SMC/MAESTRI
GEDDES, NEW YORK

FIGURE:

2

PROPOSED SVE/BIO SOIL PILE CONSTRUCTION
CROSS-SECTION



NO.	DATE	BY	REVISION

SIGNATURE	DATE

REVIEW ENGINEER	
-----------------	--

PROJECT ENGINEER	
------------------	--

PROJECT MANAGER	
-----------------	--

CLIENT	
--------	--



FLUOR DANIEL GTI

1245 KINGS ROAD
SCHENECTADY, NY 12303 (518) 370-8831

SNC/
MAESTRI

MAESTRI SITE
GEDDES, NEW YORK

BROCELL
CONSTRUCTION DETAIL

DESIGNED BY: MPS	DETAILED BY: DEO	CHECKED BY:
DRAWING DATE: 9/19/98	ACAD FILE: 0531-BIO	PROJECT NO.: 01110-0531
CONTRACT:		REVISION:

DRAWING:

1

THIS DRAWING AND ANY ATTACHMENTS ("DRAWINGS"), HAVE BEEN PRODUCED FOR THE SOLE USE OF THE RECIPIENT AND MUST NOT BE LOANED, REPRODUCED, ADAPTED OR COPIED ("USE") IN ANY MANNER WITHOUT PRIOR WRITTEN APPROVAL OF BROCELL/MAESTRI TECHNOLOGY, INC. THE DRAWING SET CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF BROCELL/MAESTRI TECHNOLOGY, INC. ANY UNAUTHORIZED USE OF THIS DRAWING IS EXPRESSLY PROHIBITED.

October 10, 1996



Michael D. Zagata
Commissioner

Michael P. Sykes, Project Manager
Fluor Daniel GTI
1245 Kings Road
Schenectady, NY 12303

**RE: 9/30/96 Environmental Enclosure Removal and Excavation Care Plan
Maestri Site, #7-34-025, Geddes, New York**

Dear Mr. Sykes:

Ecology and Environment, Inc. and the New York State Department of Environmental Conservation (NYSDEC) have reviewed the subject work plan recently submitted. Our comments have been summarized below. Any additional NYSDOH comments will be forwarded to you immediately once they have been received by the Department.

ENVIRONMENTAL ENCLOSURE DECONTAMINATION:

1. Are there any subsequent work plans that will need to be submitted to the Department for review/approval by GTI for the construction of the drainage/groundwater recovery system? The Department needs to be assured that a water balance evaluation has been done on the current WWTP in order to accommodate water from the ground and additional water from the surface due to snow/rain (i.e. Does the WWTP have the capacity to pump and treat both water sources?).
2. What will be the operating temperature of the pressure washer ? A heated (~ 180 F) water spray is suggested. What will be the source of the water to be used during washing ?
3. If the electrical supply is removed prior to initiating activities what will be the source of lighting inside of the building during deconning ?
4. Does Universal Structures employees need to be OSHA certified in order to perform outlined activities? If the workers taking down the enclosure will be in an exclusion zone, they must have the appropriate HAZWOPER training.

Have they done similar deconning procedures at other projects? Is there or will there be a HASP for them to follow (i.e. icing up of structure /floor, slip/trip/fall, lighting/ electrical hazards, etc.) ? Health and Safety issues should be discussed between all parties before and during all activities conducted by Universal.

5. Will there be any monitoring of indoor contaminant levels during deconning activities ?

6. How will the plastic strip door covers be deconned/disposed of?
7. How will the PE sheathing be anchored into the sides of the excavation during pressure washing?

ENVIRONMENTAL ENCLOSURE REMOVAL:

8. How soon after the enclosure is removed from the site will the excavation of contaminated soils and placement of clean soils at the bottom of the excavation begin? Removal of remaining contaminated soil should be completed immediately after enclosure is removed?

How much soil is anticipated to be removed during the first cut? What will be the turn around times of the confirmatory samples collected? It is recommended that until results are received the area suspected of being contaminated should be covered with PE.

9. Will the clean soils originally stripped from the top of the excavated area also be placed at the base of the excavation on top of the drainage layer? This may be an additional measure taken to control odors and possible freezing of piping within drainage layer.
10. How will the screening plant be removed/deconned, etc.?

EXCAVATION CARE:

11. Please identify "health limits" referred to within this section.
12. Air monitoring must also be conducted within the residential area. Although odors may be present and below "health risk concentrations" at the excavation, any detectable levels in the residential area will not be acceptable to the Department.

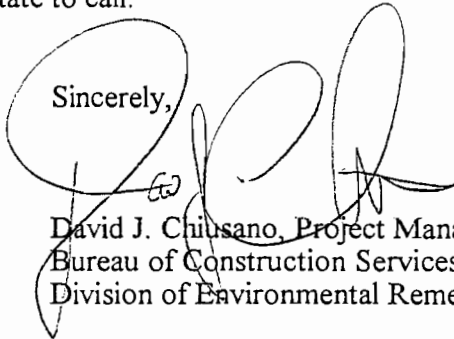
Air monitoring should continue until all intrusive work and handling of contaminated soils is completed. Turn around times for fence line analysis should be expedited so that if elevated levels are detected corrective measures may be taken in a timely manner.

13. Will erosion control measures be needed for the side walls of the excavation? An engineering evaluation may be necessary on the residential side slope to prevent potentially dangerous slides. Moreover, provisions should be made to control stormwater runoff and snow melt that will enter into the excavation.
14. It is suggested that appropriate signage be placed on the orange construction fence. Moreover, the integrity of the existing perimeter fence should be reviewed and repaired as necessary prior to demobilizing from the site and inspecting periodically during the soil treatment phase. Specifically, the front gate may need to be adjusted not to allow trespassers on the site when secured.
15. Coordination activities with the residents must be identified.

16. A routine monitoring/maintenance schedule should be developed to keep an eye on the excavation and the integrity of the orange construction fence.
17. Once soils are remediated, the pH of the soils should be adjusted, if necessary, to closely match existing undisturbed soils in the immediate area.

Please respond directly to me with your responses as soon as possible. Should you have any questions in the meantime please do not hesitate to call.

Sincerely,



David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC - Maestri Site
D. Albers/P. Barth, E&E
John May, Region 7 NYSDEC
H. Hamel, NYSDOH - Syracuse
Don Shosky, GTI
Brian Trapp, GTI - Maestri Site



FLUOR DANIEL GTI

October 11, 1996

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233 - 7010

**Subject: Response to Comments (10/10/96)
Environmental Enclosure Removal and excavation care plan
Maestri Site #7-34-025, Geddes, New York**

Dear Mr. Chiusano,

Thank you for your expedited review of the referenced document. I have prepared this response to comments raised in your 10/10/96 correspondence. A copy of your 10/10/96 correspondence is attached.

1. Calculations have been completed, and are attached for your review. The calculations indicate that 9,250 gallons of water will be collected in the excavation for every inch of rainfall. The 6-inch drainage layer and approximate 3 foot of clean soil on top of the drainage layer can store approximately 40,000 gallons of water. The drainage sump can pump and treat approximately 5 gallons of water per minute (7,200 gallons per day). With the available storage and the pump and treat system long lasting ponding should not occur in the excavation.
2. The enclosure decontamination activities will utilize the following equipment:
 - two cold water pressure washers
 - one 750 gallon hydroseed pressure sprayer
 - one hot water (~180 F) pressure washer
 - one 5,000 gallon stainless steel water tank with city water.

Three 40 hour hazwoper trained, laborers will work to wash the structure. One will use the hot water washer, one the cold water washer and one will operate the hydroseed pressure sprayer. The enclosure interior (fabric and structural aluminum) will be washed until it is visibly clean of dust and dirt. The enclosure exterior will not be washed.

Water from the 5,000 gallon tank listed above will be used to perform the decontamination procedures. Treated water from the on-site treatment system will be used if additional wash waters are required.

3. Lighting inside the building is provided by a portable light plant that operates by diesel power.
4. Decontamination activities will be completed by 40 hour Hazwoper trained workers.



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Because the contaminated soil has been removed or covered (with poly) Fluor Daniel GTI will not require 40 hour hazwoper training for Universal fabric structure workers. The exclusion zone during the enclosure removal (following decontamination activities) will be defined as the areas where workers could reasonably be expected to be exposed to contaminated soil or water and will be areas limited to the water treatment plant and the bio/sve soil piles. During the limited contaminated soil excavation activities the exclusion zone will be redefined to the areas in and around the excavation and transportation of contaminated soils.

All people working on the site must read, sign and adhere to the site specific safety plan that includes procedures and policies for a wide variety of site activities (slip/trip/fall, lighting, electrical etc). Health and Safety is always important to any Fluor Daniel GTI job site. Each morning has and will continue to be started with a safety meeting in order to communicate all potential hazards and to review the day's planned work scope.

5. The existing air monitoring program, for volatile organic compounds (VOCs) will continue during decon activities (inside and outside the enclosure). Fence line monitoring will continue during building removal activities. Air monitoring with a Photo ionization Detector will be completed approximately every 15 minutes during any excavation activity.
6. The plastic door strips will be cleaned with a hot water wash. They will either be stored at Fluor Daniel GTI's Schenectady, New York facility or disposed of in the dumpster and hauled to a local solid waste facility. The decision to store or dispose will be made based on the condition of the strips.
7. Polyethylene sheathing will be held in place by the use of sand bags, rocks and other weighted objects.
8. Removal of the enclosure is expected to take 7 to 10 days. Excavation of remaining contaminated soil areas will begin immediately following enclosure removal. This is currently scheduled for October 28, 1996.
9. This soil in addition to clean soil excavated from the sidewalls to provide a gentler slope will be used as fill to protect against freezing and to reduce any potential odors.
10. The screening plant will be removed following the completion of re-screening reject (rock) material (scheduled for 10/11/96). It will be decontaminated by first scraping dirt and rocks from the unit with shovels. It will then be pressure washed on the decon pad area. Soils under the screening plant and from the additional excavation areas will be excavated and placed in the bio/sve soil pile without screening. Vermiculite, fertilizer and woodchips will be mixed with these



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soils by an excavator or front end loader to improve air permeability.

11. The action levels indicated in the approved site specific health and safety plan are:

- 50 ppm VOCs as measured by a Photo Ionization Detector
- 2.5 mg/M³ dust as measured by a miniram portable dust detector

Other health limits are presented in the MSDS sheets for site specific compounds including:

- 100 ppm is the 1991 OSHA Permissible Exposure Limit for Xylene, (1 ppm is the odor threshold)
- 100 ppm is the 1991 OSHA Permissible Exposure Limit for Toluene, (the odor threshold is a range from less than 1 ppm to 69 ppm)

Field monitoring for vapors/odors will be completed using a PID.

12. Air monitoring will be completed on an hourly basis during excavation activities in the residential area. The area monitored will be the back yards of houses 153, 151 and 149 as shown on sheet G-1 of the project contract documents. Permission to monitor these yards will be sought verbally by Fluor Daniel GTI prior to entering these yards.
13. Side slopes of the excavation will be cut to an approximate 2 to 1 slope. The excavation will be inspected by a professional engineer. The outer limit of the excavation will be bermed to divert water from entering the excavation. At this time, it is anticipated that additional erosion control measures will not be needed.
14. Signs will be placed on the orange construction fence surrounding the excavation that state "Danger Keep Out". An evaluation of the existing perimeter fence will be made next week. Particular attention will be paid to the front gate. Any adjustment required will be completed at that time.
15. A citizen notice will be provided to the residence listing the work items to be completed and phone numbers of contacts. You will be forwarded a copy for review prior to distribution.
16. Routine monitoring and maintenance of the water treatment system is completed every Tuesday and Thursday. Inspection and maintenance of the fence will be included in these weekly inspections.



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17. Soils currently exhibiting high pH values will be adjusted to a more neutral pH (6 - 8) prior to backfilling. Potential remedies to the high pH soils are currently being evaluated by Stauffer Management Company.

I hope this letter satisfactorily answers your questions. If you have any questions or comments, please don't hesitate to call me at (518) 370-5631.

Sincerely,
Fluor Daniel GTI

Michael P. Sykes
Project Manager

cc: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC
Paul Barth, E&E
John May, Region 7 - NYSDEC
Don Shosky, FDGTI
Brian Trapp, FDGTI



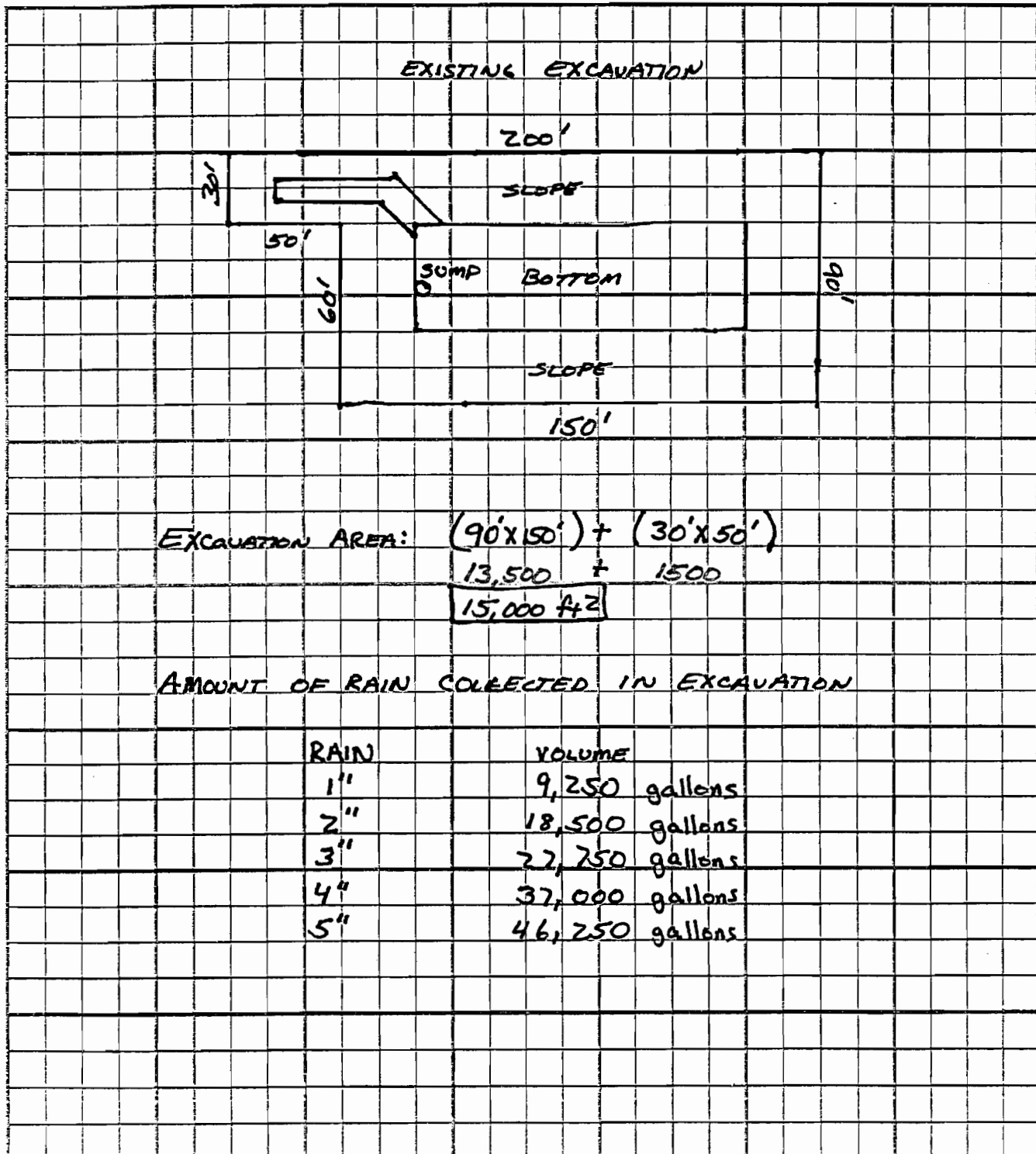
PROJECT SMC - MASTER

PROJECT NUMBER _____

SUBJECT Excavation Rainfall Evaluation

BY _____ DATE 10/10/96

PAGE 1 OF 2





PROJECT SMC - Maestri

PROJECT NUMBER _____

SUBJECT Excavation Rainfall Evaluation

BY _____

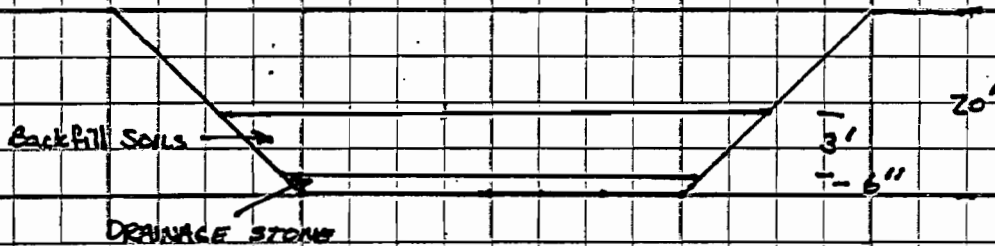
DATE 10/11/96

Storage Capacity of Excavation Soils

PAGE 2

OF 2

Excavation Cross-Section



Assumptions and Constants

Porosity of Drainage Stone : 35%

7.4 gallons / ft³

Porosity of Backfill Soil : 30%

Dimensions

Drainage Stone : 50' Wide, 150' Long, 6" Thick = 3,750 ft³

Backfill Soil : 56' Wide, 156' Long, 3' Thick = 26,208 ft³

STORAGE CAPACITY

Drainage Stone: $(3,750)(.35)(7.4) = 9,712.5$ gallons

Backfill : $(26,208)(.30)(7.4) = 58,182$ gallons

TOTAL STORAGE CAPACITY = 67,894 gallons

7" OF RAIN RAIN TO PONDING



MPS File
Maestri
7B

October 29, 1996

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233 - 7010

FDGTI Project: 011100531

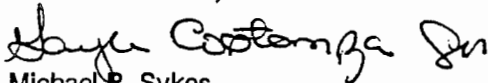
**Subject: Excavation Groundwater Collection Recovery Well Location
Maestri Site #7-34-025, Geddes, New York**

Dear Mr. Chiusano,

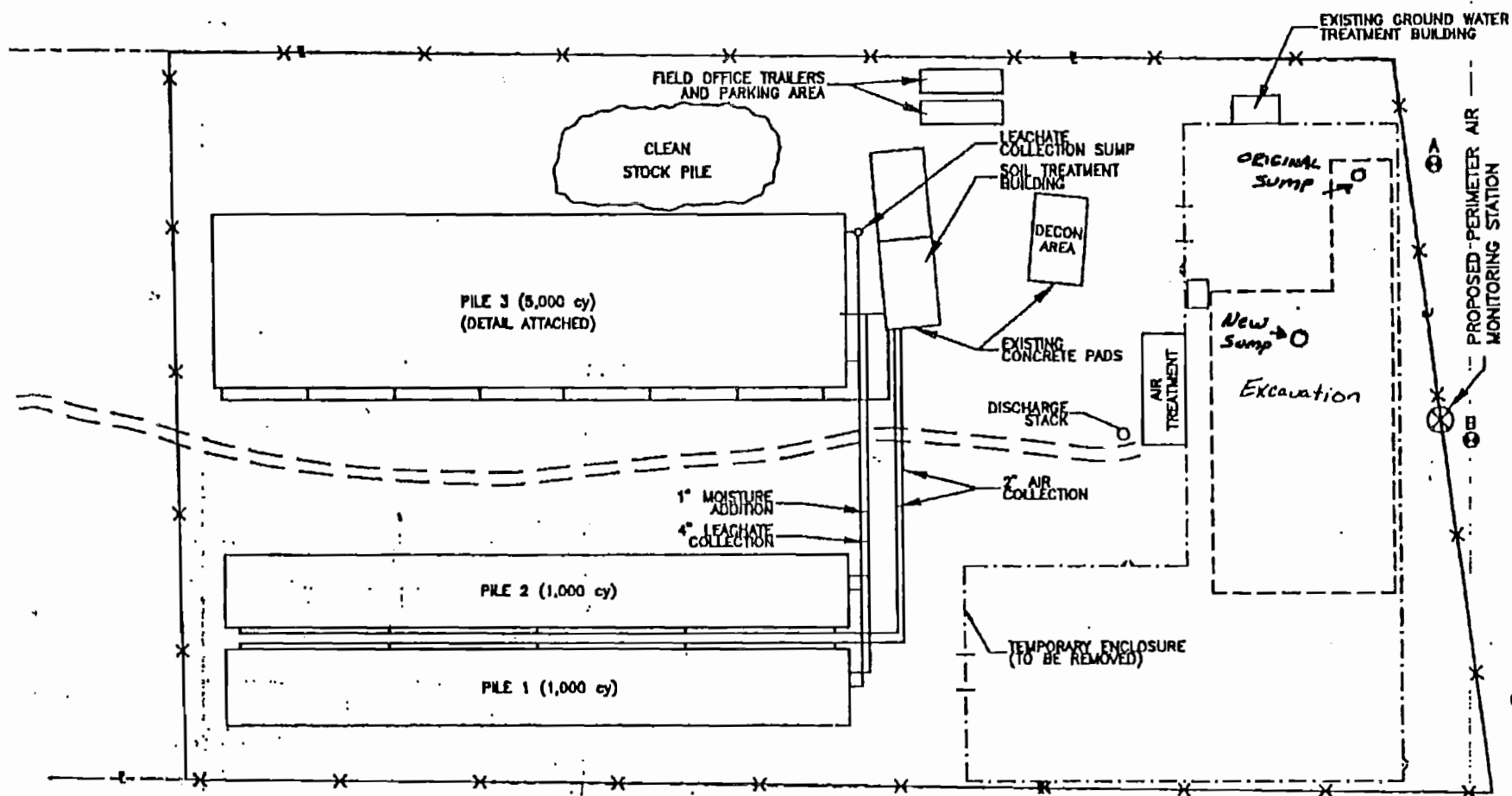
The location of the groundwater collection recovery well location associated with the drainage layer to be set in the bottom of the excavation at the Maestri site is to be moved to the lowest elevation in the excavation. This location is presented of Figure 1 attached. The construction of the recovery well will remain as specified. It is anticipated that construction of the drainage layer and recovery well will commence the week of October 28, 1996.

Thank you for your continued expeditious review of documents and project issues. It has allowed the project to continue to be productive and efficient. If you have any questions or comments, please don't hesitate to call me at (518)370-5631.

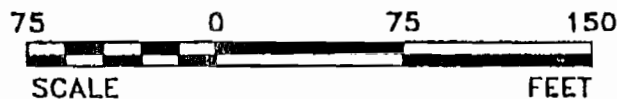
Sincerely,
Fluor Daniel GTI, Inc.


Michael P. Sykes
Project Manager

c: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC
Paul Barth, E & E
John May, Region 7 - NYSDEC
Don Shosky, FDGTI
Brian Trapp, FDGTI

**LEGEND**

- ⊙ EXISTING AIR MONITORING LOCATION
- == ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- x-x-x- 8' HIGH SECURITY FENCE
- - - - - PROPOSED LIMITS OF EXCAVATION

**FLUOR DANIEL NYI**

1245 KINGS ROAD
SCHENECTADY, NY 12303
(518) 370-5631

PROJECT NO.: 01110-0531 ACAD FILE: 0531-STA DRAWING DATE: 9/24/96

DESIGNED:

BMT

DETAILED:

DEO

CHECKED:

SITE MAP WITH BIO/SVE SOIL PILE LOCATIONS

CLIENT/LOCATION:
SMC/MAESTRI
GEDDES, NEW YORK.

FIGURE:

1

D. Chiusano

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233



Michael D. Zagata
Commissioner

December 26, 1996

Michael P. Sykes, Project Manager
GT Engineering, P.C.
1245 Kings Road
Schenectady, NY 12303

**RE: Bio-Pile #1 & #2 Sampling
Maestri Site Project, Site # 7-34-025, Geddes**

Dear Mr. Sykes:

I have received your letter dated 12/23/96 which briefly outlines a plan to sample bio-piles 1&2 at the site during the week of 12/29/96. In short, sampling activities can not be approved by the Department until our previous comments, as outlined within my 11/21/96 letter to you, on this issue are satisfactorily addressed. Specifically, of particular interest are my comments (#18 - #23) from that letter regarding soil sampling and analysis (outlined below).

Section 3.3, Soil Sampling and Analysis:

18. The first sentence is confusing and can be interpreted in a few ways. Does this sentence imply that soil sampling will not start until liquid and air samples meet RAOs? If so, then this sentence does not agree with Table 3 (which simply says "monthly" sampling). Please clarify when the soil sampling will begin, and make the text and table consistent.
19. More detail is needed regarding how soil sampling for determination of attaining clean-up goals is required. First, the locations of the samples should be laid out in this O&M plan (e.g. one from the bottom, two from the sides/6 inches in, etc.). Secondly, what are the criteria to be used to determine that the soil meets RAOs? That all the samples are below RAOs? The average is below RAOs? This should be made clear.

Table 3:

20. The column entitled "Action Level", while providing some useful information, does not present any sort of action levels for any of the rows except for VOC/SVOC analysis of soil. Consider placing information for exhaust and leachate in the "frequency" column.

21. Wording under "Action Level" column within first row is confusing. Apparently some words were inadvertently left out that would explain the use of the Air Guide 1 AGCs. Please revise. Furthermore, it is not clear when "sampling of piles will stop following consecutive not detect results". Is this ND results from before or after the carbon? Please clarify.

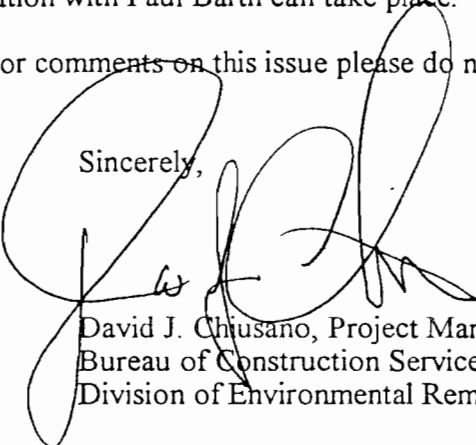
Consider including all referenced "action levels" and "RAOs" in this O&M Manual (in a separate table, perhaps).

22. Within the second column of the third row, "Analysis/Method", an additional analysis should be included for microbe counts using Colony Forming Units (CFU) analysis and Colony Utilizing Population (CUP) analysis (refer to STARS-Memo #2).
23. The entry under "Frequency" for the non-GC analyses for soil is not a frequency. Please indicate sampling frequency for these parameters.

Furthermore, because sufficient time (minimum 2 weeks required) was not given to the Department to allow for proper coordination with our E&E on-site representative for split sampling it is respectfully requested that the proposed sampling activities be postponed until the above issues have been addressed and coordination with Paul Barth can take place.

Should you have any further questions or comments on this issue please do not hesitate to contact me at (518) 457-7878.

Sincerely,


David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: C.Goddard, SMC
D.Albers/P.Barth, E&E
J.May, Region 7 - NYSDEC
H.Hamel, NYSDOH- Syracuse
J.Strang, DER - O&M Section

bcc: G.Harris
D.Chiusano (2) ✓
Dayfile



FLUOR DANIEL GTI

December 23, 1996

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, NY 12233-7010

FDGTI:011100531

**Subject: Sampling Bio/ SVE Soil Piles #1 and #2
Maestri Site #7-34-025, Geddes, New York**

Dear Mr. Chiusano,

Revisions and answers to the Maestri Site Bio/ SVE soil pile sampling, operation and maintenance plan are being completed. Additional contaminated soil volumes have been uncovered through excavation activities on the site. This additional soil volume will be stockpiled on plastic sheathing and covered in plastic sheathing until it a suitable location can be determined for construction of a Bioremediation/ SVE soil pile.

One of the more promising solutions to this problem would be construction in the location of existing soil piles one and two. These 1,000 cubic yard piles were constructed of soils screened several times and amended with quicklime. The starting VOC and SVOC contamination concentrations in the soil at the time of soil pile construction were near the remedial action objectives (RAOs). Since the construction some air movement has been provided to the piles with use of a temporary blower.

We propose to collect five soil samples from each of the two bio/ SVE soil piles and analyze them for VOC and SVOC in accordance with the original sampling plan prepared by OBG for the project work scope. The Bio/ SVE soil pile will be divided into five 200 cubic yard volumes and a sample will be collected from the middle of each 200 yard volume at a depth of 5 feet into the pile. Soil samples will be analyzed by CES laboratories in Syracuse, New York under the same protocol as the previous project samples. We would like to collect these samples on December 30, or 31, 1996 pending any comment regarding this correspondence.

Thank you for your continued expeditious review of documents and project issues. It has allowed the project to continue to be productive and efficient. If you have any questions or comments, please don't hesitate to call me at (518) 370-5631.

✶1gmcreport\Maestri\DECbloa.wpd



FLUOR DANIEL GTI

Sincerely,

Fluor Daniel GTI, Inc.

Michael P. Sykes
Michael P. Sykes

Project Manager

cc: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC
Paul Barth, E&E
John May, Region 7 - NYSDEC
Don Shosky, FDGTI
Brian Trapp, FDGTI



John P. Cahill
Acting Commissioner

January 13, 1997

Mr. Christopher Goddard
Zeneca Engineering
1800 Concord Pike
Wilmington, Delaware 19897

**RE: Excavation Within Pan Handle Area, Maestri Site, #7-34-025
Town of Geddes, Onondaga County, New York**

Dear Mr. Goddard:

Per our 1/10/97 conversation and based upon recent conversations with the Department's construction oversight inspectors for the subject project it has become apparent that additional discussions with SMC and Fluor Daniels will be necessary to resolve potential issues relating to the excavation of soils within the pan handle area. Specifically, it is understood that soil analysis by GTI and the Department from this area has confirmed that contamination, greater than 500 PPM xylenes, currently exists within the pan handle at a location approximately 10-20 feet from the fence bordering the backyards of the residential area. As such, it is also my understanding that SMC and Fluor Daniel GTI will propose to cease excavation in this particular area along the fence line. This proposal appears not to be in accordance with the March 1995 Record of Decision for the site which requires, " **excavation and preparation for treatment of soils that contain contamination in excess of soil cleanup objectives.** "

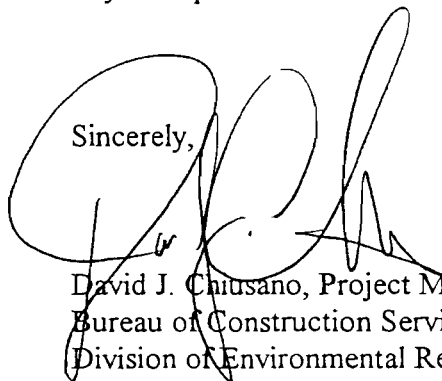
If this will be the proposal being set forth to the Department and the NYSDOH for review it is important to make it clear that a number of issues will need to be evaluated during preparation of the formal proposal by GTI. Major issues that will need to be thoroughly addressed and evaluated must consist, but should not be limited, to the following:

- 1) Before a proper engineering evaluation can take place for these soils the nature and extent of the soil contamination in this area must be clearly defined (i.e. contamination levels determined, lateral and vertical extent of contamination as well as estimated volumes must be clearly defined).
- 2) Once the nature and extent of contamination within these soils has been determined, remedial options must be thoroughly evaluated.
- 3) Will the proposed remedial action constitute a change in the ROD for this site? If so, issues relating to required citizen participation activities with the residents must also be outlined within the proposal (i.e. proposal may need to be brought to the residents for public comment).

- 4) Be aware that any alternate remedial action, other than those outlined within the ROD, must also be reviewed and approved by the NYSDOH to ensure protection of human health now and in the future during O&M activities.

We look forward to resolving this issue and completing the construction phase of the project. Please feel free to call me on this matter should you require further clarification or have any questions.

Sincerely,



David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: H.Hamil, NYSDOH-Syracuse
J.May, Region 7 - NYSDEC
D.Albers/P.Barth, E&E
J.MacArthur, SMC
M.Sykes, GTI
E.Rice, SMC-Maestri Site

bcc: G.Harris
D.Chiusano(2) ✓
Dayfile

STAUFFER MANAGEMENT COMPANY

January 30, 1997

Environmental Services & Operations
Wilmington
Delaware 19897

Telephone (302) 886-3000
Fax (302) 886-5933

Mr. David Chiusano
Construction Services Group
New York State Dept. of Environmental Conservation
50 Wolf Road
Albany, New York 12233-7010

Dear Mr. Chiusano:

Re: SMC Maestri Site
NYSDEC Site No. 7-34-025
Geddes, NY

Per our meeting of January 24, 1997, we are writing to provide the proposed plan for additional information gathering at the Maestri site. We will also identify the near term tasks that will be performed at the site to further stabilize current conditions and progress the project. These were discussed during our telephone conversation on January 29, 1997.

1. Beginning Thursday, January 30 we will take water samples from wells #7 and #8. These will be analyzed for VOCs, specifically xylene, using EPA Method 601/602.
2. After the water samples are pulled, the wells will be cycled 5 times through the waste water treatment system. After cycling, the water will be sampled again by extracting a sample directly from each well. These will be analyzed as above. The full course of cycling and sampling should take 2 weeks at most. The procedure will be coordinated with the NYSDEC representative so split samples may be taken as needed and he may witness all procedures.
3. Once the sampling is done, the two wells will be temporarily connected to the water treatment system so that they may be run. This will help flush any potential ground water contamination and will serve to replace wells that were removed during the excavation.

4. Concurrent with the water sampling, additional borings will be installed along the east side of the excavation. As per the attached sketch, 2 new borings are planned. These points were chosen based on previous boring and well placement testing, water testing results and the sampling results from the excavation. We have concluded that these locations will provide a representative view of any potential contamination remaining off site. An onsite geologist or environmental scientist will supervise the boring and complete field screening of soil samples using an FID will be conducted. Based on FID results and field observations, laboratory samples will be selected for VOC and/or SVOC analysis using the appropriate EPA Methods. The borings will be installed the week of February 3, 1997 and will again be coordinated with the NYSDEC field representative.
5. Beginning today, soil samples will be collected for Biopiles #1 and #2. All sampling and testing will be conducted in accordance with the approved portion of the Biopile O & M Plan in conjunction with recommended modifications per NYSDEC correspondence.
6. If samples meet the agreed RAOs, this soil will be returned to portions of the excavation. It is expected that these soils will require additional pH adjustment before returning them to the excavation. This will be accomplished in the same manner as previously agreed.
7. SMC/FDGTI will also provide additional information on how the soils with high pH levels that were placed in the south end of the excavation will be treated to lower pH levels. This will be done via separate correspondence after sample results from Biopiles #1 & #2 are obtained.
8. Prior to placing soils in the main excavation (except as needed for stabilizing steep slopes) and after reviewing soil and water sample results, SMC will provide a written proposal for completing the project with respect to the east side of the excavation. (We are currently reviewing options for additional treatment in place and/or excavation.) At that time SMC, FDGTI and NYSDEC can agree on the appropriate solution.
9. The excavation of soils around the two drums found last week will be finished per our telephone discussion yesterday. We will excavate a minimal amount on the east side (sample results 1.5 ppm of xylene) and soils to the north (8.7 ppm of xylene). We will then take a sidewall sample on the north side and, based on the results, either excavate more or stop. We anticipate this being the first area to be backfilled with clean soils from Biopiles #1 or #2. Unless additional soils need to be excavated, we do not think we will have to move the power pole.

If you have any questions regarding the issues above, please feel free to call me at 302-886-5528.

Sincerely,



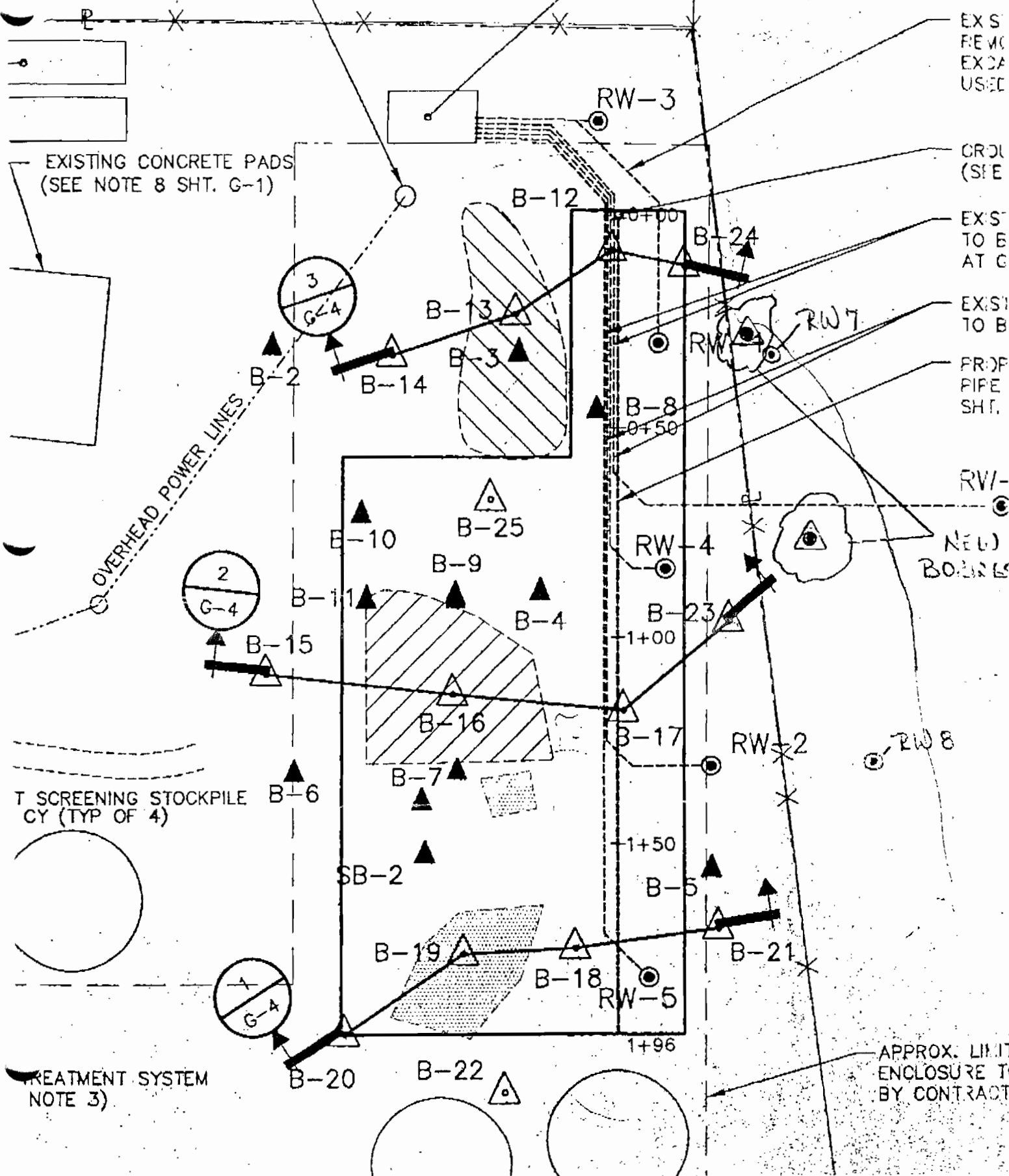
Christopher M. Goddard
SMC Project Manager, Maestri Project

CC: M. Sykes, GTI
Mr. E. Rice, SMC
Zeneca Project Team

E POWER AS REQUIRED
TRUCT AIR COLLECTION

- 317'

SYSTEM ELECTRICAL NO



D. Chiusano



John P. Cahill
Acting Commissioner

February 3, 1997

Mr. Christopher M. Goddard, Project Manager
Stauffer Management Company
Environmental Services & Operations
Wilmington, Delaware 19897

**RE: SMC Maestri Site, Additional Investigative Work
Site # 7-34-025, Town of Geddes**

Dear Mr. Goddard:

Department staff have reviewed your 1/30/97 letter involving additional investigative/design work at the subject site. As a result of that review we have the following comments:

Comment 1: Since these are the first time these wells have been sampled they must be analyzed for the full TCL, which includes VOC's, SVOC's, Pest/PCB, and inorganics.

Samples must be collected using a bailer. Use of a pump to collect the samples will not be allowed by the Department.

Comment 2: Please specify what is meant by a "cycle". Should the term be replaced by "well volumes removed" ? Please indicate in a subsequent report how much water was removed prior to sampling.

Comment 3: O.K.

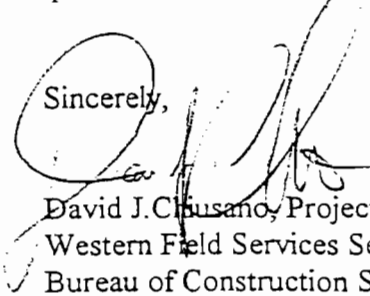
Comment 4: A minimum of three(3) borings will be required. At a minimum, the borings shall be drilled to the top of the till unit (approximately 25' bgs). Split spoon samples shall be collected at a interval 0-5', 5'-10', and continuous from 10' to top of the till. Field screening and lab sampling shall be conducted for VOC's and SVOC's. The locations of the borings should be placed laterally from areas currently existing high levels of contamination on the east wall of the excavation. Provisions must be made for additional borings to the east based on the results of field screening and laboratory analysis.

Comments 5-8: O.K.

Comment 9: It is my understanding that GTI and SMC received confirmatory sample results for SVOC's on 1/31/97. Although VOCs were ND or at low concentrations it is my understanding that SVOCs were detected at levels that may require further excavation to reach the extent of contamination. Please follow up with additional information.

Should you have any questions on this matter please do not hesitate to contact me at (518) 457-7878.

Sincerely,



David J. Chiusano, Project Manager
Western Field Services Section
Bureau of Construction Services
Division of Environmental Remediation

cc: J.May, Region 7
D.Albers/P.Barth, E&E
J.MacArthur, SMC
M.Sykes, GTI
H.Hamel, NYSDOH-Syracuse
E.Rice, SMC-Maestri Site

bcc: G.Harris
G.Kline
D.Chiusano(2)
Dayfile



February 13, 1997

John P. Cahill
Acting Commissioner

Mr. Christopher Goddard
Zeneca Engineering
1800 Concord Pike
Wilmington, Delaware 19897

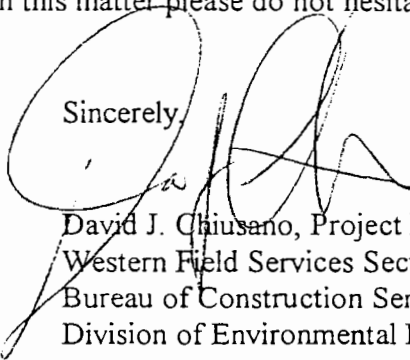
**RE: Backfilling of Drum Excavation Area, Maestri Site #7-34-025
Town of Geddes, Onondaga County, New York**

Dear Mr. Goddard:

This letter confirms a recent conversation with Everett Rice of SMC at the subject site during my site inspection on 2/4/97. During that conversation I gave Mr. Rice verbal approval to backfill the drum area recently excavated east of the open excavation, adjacent to the utility pole. Approval was given based upon review of the confirmatory analytical results from the excavation that were received by SMC and reviewed by us on that day. Furthermore, according to Mr. Rice, the source of the backfill soils was topsoil removed during construction of the access road at the southern end of the site between the excavation and the chain link fence. Finally, it was my observation on that day that backfilling was completed on 2/4/97.

Should you have any further questions on this matter please do not hesitate to contact me at (518) 457-7878.

Sincerely,


David J. Chiusano, Project Manager
Western Field Services Section
Bureau of Construction Services
Division of Environmental Remediation

cc: H.Hamel, NYSDOH-Syracuse
J.May, Region 7 - NYSDEC
D.Albers/P.Barth, E&E
J.MacArthur, SMC
M.Sykes, GTI
E.Rice, SMC-Maestri Site

bcc: G.Harris
D.Chiusano(2)
Dayfile



John P. Cahill
Acting Commissioner

February 13, 1997

Mr. Christopher Goddard
Zeneca Engineering
1800 Concord Pike
Wilmington, Delaware 19897

**RE: Backfilling of Biopiles 1&2, Maestri Site, #7-34-025
Town of Geddes, Onondaga County, New York**

Dear Mr. Goddard:

We have reviewed the analytical data associated with confirmatory analysis of biopiles 1&2. Based upon the results supplied by GTI and split confirmatory analysis collected by Ecology and Environment (E&E) it appears that the soil from these piles contain concentrations of site specific contaminants below the established RAOs. However, these pile also have shown through laboratory analysis by both GTI and E&E to exhibit very high pH levels (11-12) throughout.

As such, SMC will be allowed to backfill the soils from bio-piles 1&2 only after they provide the Department with a plan to lower the pH of these soils outside of the excavation prior to backfilling. The plan should specify in detail how these soils will be mixed, what they will be mixed with, and the sampling protocol necessary to confirm that the pH has been satisfactorily lowered before being placed back into the hole. Also, it is suggested that no soils be backfilled until the extent of contamination within the panhandle area has been delineated, and a plan has been agreed upon to control and/or remove the existing contamination from that area.

Please feel free to call me on this matter should you require further clarification or have any questions.

Sincerely,

David J. Chiusano, Project Manager
Western Field Services Section
Bureau of Construction Services
Division of Environmental Remediation

cc: H.Hamel, NYSDOH-Syracuse
J.May, Region 7 - NYSDEC
D.Albers/P.Barth, E&E
J.MacArthur, SMC
M.Sykes, GTI
E.Rice, SMC-Maestri Site

bcc: G.Harris
D.Chiusano(2)
Dayfile

From: David Chiusano
To: DOH (Syracuse) - Henri Hamel; Kline, Gary; May, John
Subject: Maestri Update

7/9/99

Here's the latest schedule for Maestri according to discussions with SMC on 7/9/99:

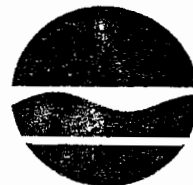
1) Placement of approximately ½ of pile 5 (1000 CY clean soil) into excavation starting week of 7/12. Remaining soils will be spread out (roughly 3-4 feet high to increase surface area and promote remediation. Soil samples on remaining soils from pile 5 to be collected in a couple of weeks.

2) MW sample results due week of 7/12 from SMC

3) Placement of approximately 1800 CY of clean soil from biopile 3 back into excavation starting week of 7/19.

** note: after placement a total of ~ 2200 CY of contaminated soils remain.

4) Removal of RW-5 to begin following backfilling activities. During removal extent of product/contamination in area, found during recent well sampling in June, will be investigated and removed if possible. Clean soils segregated and contaminated soils to be placed in pile 3 area for remediation. Written plan to be received by Department in next week or two.



John P. Cahill
Commissioner

October 20, 1997

Mr. Chris Goddard, Project Manager
Stauffer Management Company
Environmental Services & Operations
Wilmington, Delaware 19897

RE: Biopile Operation and Maintenance, Maestri Site # 7-34-025
(T) Geddes (C) Onondaga

Dear Mr. Goddard:

The Department has reviewed your letter dated October 1, 1997 which proposes to place soils within the western end of bio-pile #3 (from BP3-17 to BP3-28) back into the excavation at the subject site. Your proposal is based on the results of sampling conducted by O'Brien & Gere of the biopiles during early August 1997.

Based on the review of the analytical data presented within your letter the Department approves your proposal to backfill the western end of bio-pile #3 into the excavation. However, if odors are noted during excavation and relocation activities the Department is requesting that activities cease immediately, corrective measures must be undertaken by SMC to eliminate all odors originating from the biopile, and soil sample(s) must be collected and analyzed for VOC's. Subsequent excavation and relocation activities will not be allowed to resume until the results of the soil sample(s) are reviewed and discussed.

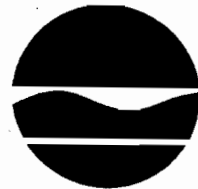
Finally, please give me at least five(5) working days of notification prior to beginning any backfilling activities at the site in order for me to arrange proper Department oversight. Should you have any further questions on this matter please do not hesitate to contact me at (518) 457-7878.

Sincerely,

David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: J. MacArthur, SMC
D. Towers, OB&G
H. Hamel, NYSDOH-Syracuse
J. May, NYSDEC-Region 7

bcc: G. Harris
G. Kline
D. Chiusano
Dayfile



John P. Cahill
Commissioner

December 29, 1997

Mr. Chris Goddard, Project Manager
Stauffer Management Company
Environmental Services & Operations
1800 Concord Pike
Wilmington, Delaware 19897

RE: Treatment Building Enhancement, Maestri Site
Site # 7-34-025, (T) Geddes (C) Onondaga

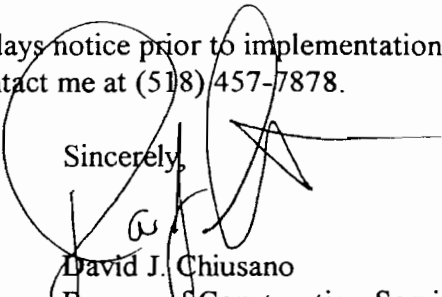
Dear Mr. Goddard:

The Department has received and reviewed your 12/17/97 letter which requests approval for modifications to the existing treatment system at the subject site. Specifically, SMC is requesting approval to install and operate a second blower system to maintain and/or reduce soil moisture content in an effort to enhance the removal of VOCs from the biopiles utilizing warm air. Based upon your letter and the attached sketch your proposal has been approved for implementation.

In the meantime, would like responses to a few minor questions. Specifically, from your proposal it can not be determined if each pile will have it's own gauges to monitor inlet temperature and pressure drops. Also, do we need to insulate the new pvc piping ? When will these changes be implemented ?

Please give me at least five(5) working days notice prior to implementation. Should you have any questions please do not hesitate to contact me at (518) 457-7878.

Sincerely,


David J. Chiusano
Bureau of Construction Services
Division of Environmental Remediation

cc: J.May, NYSDEC-Region 7 (w/attachment)
H.Hamel, NYSDOH-Syracuse (w/attachment)
J.MacArthur, SMC
D.Towers, OBG-Syracuse

bcc: G.Harris (w/attachment)
G.Kline
D.Chiusano
Dayfile

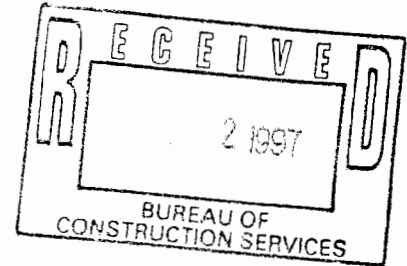
STAUFFER MANAGEMENT COMPANY

Environmental Services & Operations
Wilmington
Delaware 19897

Telephone (302) 886-3000
Fax (302) 886-5933

December 17, 1997

Mr. David Chiusano
Project Manager
New York State Department of Environmental Conservation
50 Wolf Road, Room 267
Albany, New York 12233-7010



Re: Maestri Site
Geddes, New York
NYSDEC File #7-34-025

Dear Mr. Chiusano:

This is to confirm our recent telephone conversations and site meetings with regard to the application of warm air to the remaining soil biopiles at the Maestri site. We are formally requesting the NYSDEC approval of the plan as outlined below and on the attached sketch. We intend to use this arrangement throughout the winter months to maintain and/or reduce soil moisture content. This will enhance the removal of volatile organic compounds (VOCs) from the pile. The VOCs will be captured within the existing air and vapor removal system and treated by the carbon absorption system.

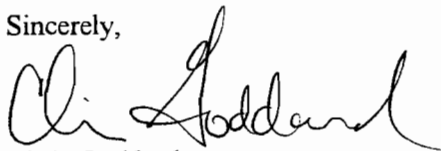
Our proposal is to install a second blower system in the existing treatment building. This will pull in outside air, heat it via the inherent heat of blower operation and then push it through the passive air system into the piles. The blower equipment information indicates a temperature change of +70° F across the blower. The cfm sizing of the blower will be slightly less or equal to the current blower used to extract air from the piles. We will also need to install gauges to check pressure drops and a temperature monitor to check outlet temperature into the piles.

We will install additional PVC piping to connect the new blower to the passive air system. The opposite end of the passive air tubing will be sealed to force the fresh air through the slots in the passive tubing. Valving will be installed to regulate the flow of air into each pile and permit balancing between piles.

After start up we will monitor the piles daily for the first week to verify there is no outward effect on the pile covering. We will then monitor the piles on a monthly basis which is the frequency for the current air extraction system is monitored.

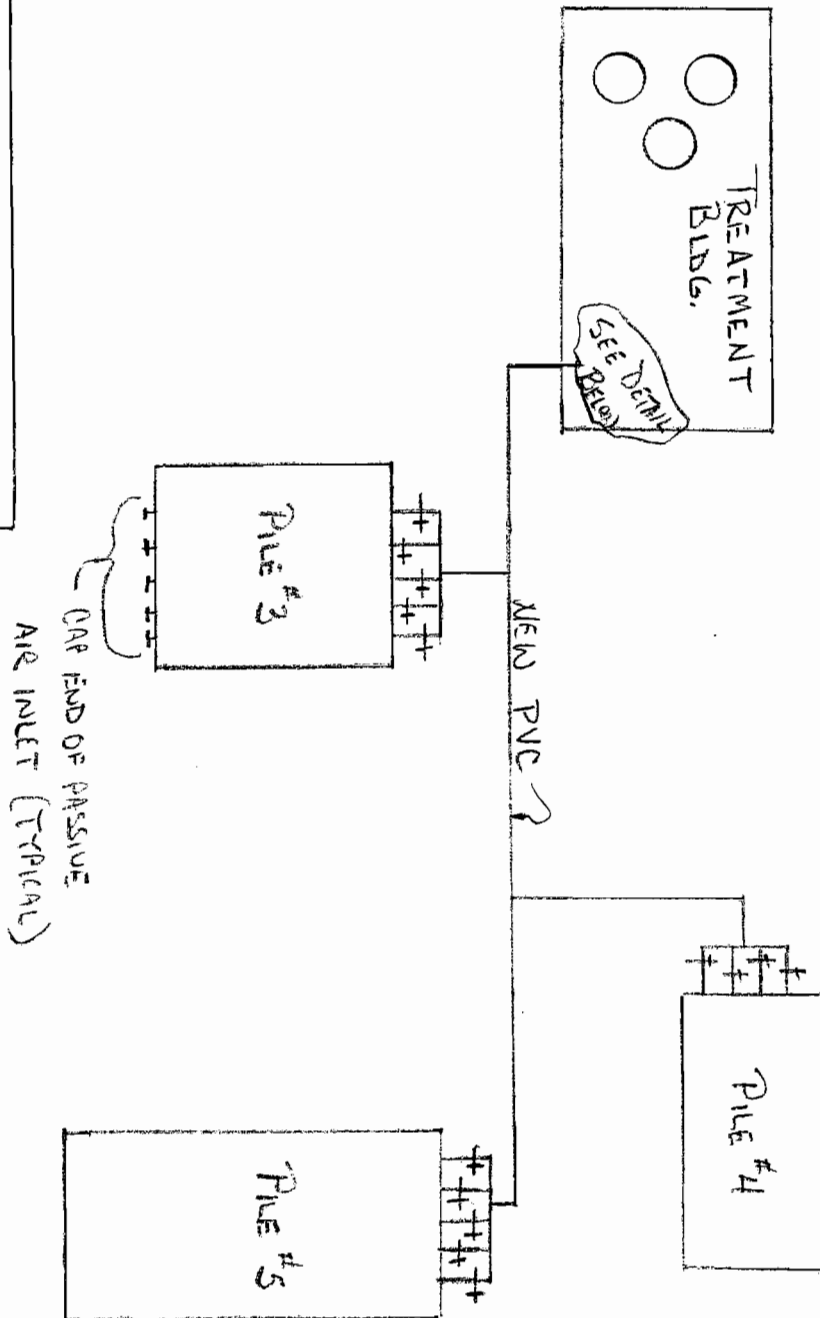
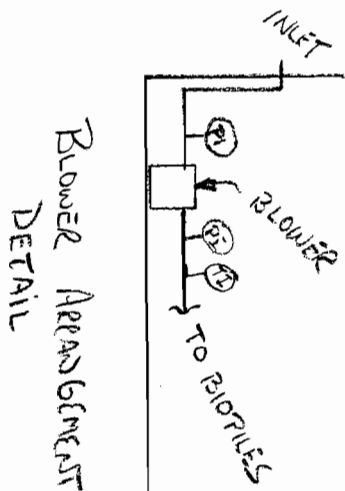
We look forward to the NYSDEC agreement with our request. However, if you should have any questions, feel free to call me at (302) 886-5528 or Joe MacArthur at (302) 886-4257.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Goddard". The signature is fluid and cursive, with the first name "Chris" and last name "Goddard" clearly distinguishable.

Chris Goddard
Project Manager

cc: D. Towers, OBG
J. MacArthur, SMC



NOT TO SCALE

STAUFFER MANAGEMENT COMPANY

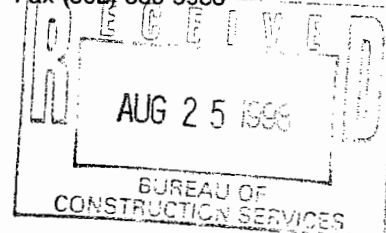
August 21, 1998

Mr. David Chiusano
Project Manager
New York State Department of Environmental Conservation
50 Wolf Road, Room 267
Albany, New York 12233-7010

Environmental Services & Operations
Wilmington
Delaware 19897

Telephone (302) 886-3000

Fax (302) 886-5933



Re: Maestri Site
Geddes, New York
NYSDEC File #7-34-025

Dear Mr. Chiusano:

This is to confirm our recent telephone conversation regarding the way forward for the completion of the project. As we agreed, the following steps will be taken in the coming weeks:

1. We will take preliminary samples of the soil piles (approximately 6 total) to test for VOC concentrations. We will use a standard 2 week turnaround time for the results. Once we receive the results they will be forwarded to your attention.
2. If the preliminary results indicate the soils are reaching the agreed levels, a full round of sampling will be conducted. The protocol used for the previous soil sampling event will be followed. We will provide advance notice to your office so that you can provide oversight and take confirmatory samples as well. We expect this to take place the week of September 14 or the week after.
3. Based on the results of those tests, we will determine which soils may be placed back into the excavation and which will require additional treatment. We will discuss this with you before any actions are taken.
4. If all the soils samples are below the agreed RAOs we will prepare a plan for closing down the operation for your review and comment. This will involve replacing the clean soils into the excavation, grading and seeding the site and removing the new treatment building. We would expect to continue water monitoring operations for a period of time.

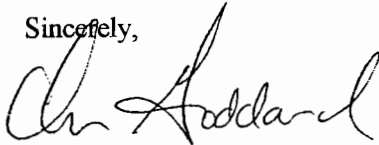
With regard to the soils around Recovery Well No. 2, we are still reviewing the alternatives for attempting to clean up the apparent highly localized pocket of high VOC concentrations seen in the water samples. We are studying your requests regarding the use of a hydrogen peroxide solution to treat the well. We are also awaiting the most recent results of water sampling to see if there has

been any trends. We will discuss this with you further when are review is complete and before any soils are returned to the excavation.

The other issue discussed was the concern over surface water runoff. We have made extensive attempts to maintain surface soil stability and control surface runoff. This was done to avoid excess water buildup in the excavation and erosion of the embankment beyond the north fence line. However, with the initial clearing of the land to the south for future housing, the runoff has increased and erosion has taken place. We have maintained control of the runoff on our part of the site, but we cannot control runoff from outside our fences. We have received calls from concerned neighbors about the situation and have tried to improve the situation as best possible within our limits. We suggest you review the situation with the developer and we can determine the best course of action for us to address the issue.

We look forward to the NYSDEC agreement with our request. However, if you should have any questions, feel free to call me at (302) 886-5528 or Joe MacArthur at (302) 886-4257.

Sincerely,



Chris Goddard
Project Manager

cc: L. Mette, SMC
J. MacArthur, SMC
F. Peter, SMC
B. Spiller, SMC

From: Goddard Chris CM <Chris.Goddard@AGNA.zeneca.com>
To: "'Chiusano, David'" <djchiusa@gw.dec.state.ny.us>
Date: 10/21/98 2:55pm
Subject: Maestri Sampling

David

Attached below are the compiled soil sampling results for the Maestri site. There are also two drawings illustrating where the samples were taken from. We will be sending you a hard copy of this information as well as the actual lab results via registered mail.

As you will see the results indicate good progress has been made towards achieving the RAOs. In fact Biopile #4 and parts of the two other piles have achieved these levels and we would like to return them to the excavation so we can concentrate the ventilation and treatment systems on the other areas.

We will be contacting you shortly with our plans for immediate future regarding this site. In the meantime should you have any questions please contact me or Joe MacArthur.

Chris
Chris Goddard
Engineering Risk Manager

CC: MacArthur Joe JA <Joe.MacArthur@AGNA.ZENECA.com>, ...

Maestri-Site									
Geddes, New York									
Soil Sampling Summary Table									
September 28 & 29, 1998									
VOC Concentrations (mg/kg)				SVOC Concentrations (mg/kg)				Total SVOC	
Sample ID	Depth	Xylene	TCE	2-Methylphenol	4-Methylphenol	Acid	2,4-Dimethylphenol	phthalate	Concentrations
Bio-Pile# 5									
BP5-1A	5-6 FT	0.81	<0.006	<0.39	<0.39	<1.9	<0.39	1.5	1.89
BP5-2A	5-6 FT	12	<0.28						
BP5-3A	5-6 FT	22	<2.9	<0.40	<0.4	<2.0	<0.4	0.88	1.28
BP5-4A	4-5 FT	15	<0.28						
BP5-5A	5-6 FT	9.5	<0.3	0.081	<0.4	<2.0	<0.4	2.4	2.4
BP5-6A	4-5 FT	<0.004	<0.001						
BP5-7A	4-5 FT	0.12	<0.006	<0.38	<0.38	<1.9	<0.38	5.2	5.58
BP5-8A	4-5 FT	<0.004	<0.001						
BP5-9A	4-5 FT	<0.018	<0.006	0.15	<0.4	<2.0	<0.4	1.3	1.7
BP5-10A	4-5 FT	10	<0.29						
BP5-11A	4-5 FT	13	<0.29	<0.39	<0.39	<2.0	<0.39	5.5	5.89
BP5-12A	4-5 FT	18	<0.29						
BP5-13A	4-5 FT	9.3	<0.29	<0.37	<0.37	<1.9	<0.37	1.7	2.07
BP5-14A	4-5 FT	<0.017	<0.006						
BP5-15A	4-5 FT	0.023	<0.006	<0.41	<0.41	<2.1	<0.41	0.65	1.06
BP5-16A	4-5 FT	0.18	<0.006						
BP5-17A	5-6 FT	1.7	<0.3	<0.41	<0.41	<2.0	<0.41	1.3	1.71
BP5-18A	5-6 FT	0.75	<0.006						

Maestri-Site									
Geddes, New York									
Soil Sampling Summary Table									
September 28 & 29, 1998									
VOC Concentrations (mg/kg)				SVOC Concentrations (mg/kg)					Total SVOC
Sample ID	Depth	Xylene	TCE	2-Methylphenol	4-Methylphenol	Acid	2,4-Dimethylphenol	phthalate	Concentrations
Bio-Pile#3									
BP3-1A	6-FT	0.03	<0.006						
BP3-2A	7-FT	3	<0.28						
BP3-3A	8-FT	5	<0.28	0.052	<0.37	<1.9	<0.37	2.8	2.8
BP3-4A	9-FT	1.2	<0.28						
BP3-5A	6-FT	15	<0.28	<0.37	<0.37	<1.9	<0.37	1.3	1.67
BP3-6A	8-FT	12	<0.27	<0.37	<0.37	<1.9	<0.37	2.7	3.07
BP3-7A	6-FT	5.2	<0.28						
BP3-8A	6-FT	22	<0.29	<0.38	<0.38	<1.9	<0.38	1.7	2.08
BP3-9A	6-FT	0.13	<0.001						
BP3-10A	6-FT	9.3	<0.29						
BP3-11A	9-FT	1.7	<0.28	0.18	<0.4	<2	<0.4	2.2	2.2
BP3-12A	6-FT	<0.003	<0.001	<0.38	<0.38	<1.9	<0.38	2.1	2.1
BP3-13A	6-FT	0.3	<0.006						
BP3-14A	6-FT	<0.003	<0.001						
BP3-15A	6-FT	0.018	<0.001	<0.38	<0.38	<1.9	<0.38	0.71	1.09
BP3-16A	6-FT	<0.003	<0.001						
BP3-17A	6-FT	0.009	<0.001	<0.39	<0.39	<1.9	<0.39	0.9	1.29
BP3-18A	6-FT	<0.003	<0.001	<0.37	<0.37	<1.9	<0.37	1.2	1.57
BIO-PILE#4									
BP4-1A	4-5 FT	<0.004	<0.001						
BP4-2A	4-5 FT	<0.004	<0.001	<0.4	<0.4	<2.0	<0.4	1.9	2.3
BP4-3A	4-5 FT	<0.003	<0.001						
BP4-4A	4-5 FT	<0.003	<0.001	0.11	<0.38	<1.9	<0.38	0.94	0.94
BP4-5A	4-5 FT	<0.003	<0.001						

Sheet1

BP4-6A	4-5 FT	<0.003	<0.001	<0.38	<0.38	<1.9	<0.38	1.3	1.68
BP4-7A	4-5 FT	<0.004	<0.001	<0.4	<0.4	<2.0	<0.4	0.56	0.96
BP4-8A	4-5 FT	0.33	<0.006	<0.38	<0.38	<1.9	<0.38	3.2	3.58
BP4-9A	4-5 FT	<0.003	<0.001						

E-MAILED
7/21/99

From: David Chiusano
To: SMC - Chris Goddard; SMC - Everett Rice; SMC - Joe MacArthur
Subject: Maestri BioPile sampling
Place: SMC - Everett Rice

Based on data generated from soil sampling conducted by SMC on 7/19 and my conversation w/ E. Rice on Thurs 7/22 it was agreed to allow SMC to backfill soils from BP5 exhibiting xylene concentrations of .33 ppm and .27 ppm respectfully. Soils exhibiting concentrations of 2.3 ppm and 1.8 ppm xylenes from biopile 5 will be spread out and allowed to further dry for another week. Those soils will be allowed to be placed back into the excavation next without further sampling of those soils. Further treatment and sampling of soils from BP3 (6.6 ppm and 2.8 ppm)will be necessary. Resampling of those soils is necessary and expected to be conducted by SMC next week.

Following further evaluation of historic site data and recent groundwater sampling results a more specific plan to address contamination in and around RW-5 is also expected within next two weeks from SMC. One page notification to residents regarding initiation of additional work will be prepared by SMC.

Copies of the recent data, groundwater sampling results, and historic boring logs and data relevant to RW-5 area was faxed to me on 7/20. Copies of all info/data have been made and forwarded to G.Kline, H.Hamel, and J. May.

Based on observations made by J. May on 7/20 a few items of concern need to be addressed: 1) When will SMC develop final grading plan 2) Now that south pond is nearly full how will surface run off be controlled ? 3) Does SMC plan to haul topsoil in or are they going to try to grow grass on treated soil (SMC should have soil analyzed to see if it can grow grass)? 4) seeding and mulching should now take place on competed areas, and 5) biopiles are now uncovered. are they recovered in anticipation of rain ?

Any questions or clarifications please call. Thanks.

CC: DOH (Syracuse) - Henri Hamel; Kline, Gary; May, John



427 Clifton Corporate Park
Clifton Park, NY 12065

518.371.3498
Fax 518.383.4163

August 16, 1999

Mr. David Chiusano
NYS Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services
50 Wolf Rd.
Albany, NY 12233-7010

Re: Stauffer Management Company (SMC), Maestri Site Final Grading and Site Closure SPEC Project #99-059

Dear Mr. Chiusano:

SPEC Consulting has prepared the following draft grading plan for the SMC Maestri Site in Geddes, NY. This plan reflects the proposed grading and drainage for completion of the site remedial activities including relocation of the fence and gate (back to the pre-construction location) and removal of the concrete decon pad and concrete building slab. The grading is based upon pre-construction grades. Overall, the proposed plan shows an increase in elevation to the site reflecting the increase in cubic yardage from importing material for biocell construction. The proposed plan restores the grading and drainage to the site with an overall west to east flow of surface water. The water will be conveyed via a series of ditches located along the south and north fence lines. The final graded area will be seeded and mulched. The existing hay bale and silt fence will be maintained until the grass is established. Additional hay bales and silt fence will be installed if required to prevent site erosion. It should be noted that the area west of the current fence and gate has been irregularly filled by the current property owner. This area is not part of the site grading or drainage improvements. SMC will prepare a final as-built record survey of the site grading and drainage which will be included in the site construction certification report.

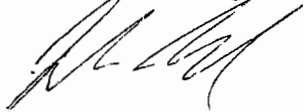
Additionally, SMC is proposing the following post remedial activities to reduce the levels of recently observed contaminants in recovery well #2.

- SMC proposes to inject up to 50% hydrogen peroxide into recovery well #2 using the following procedure. The existing recovery pump will be removed and pumping activities from this well temporarily discontinued. The peroxide will be added to the well, the well will be surged, the water level in the well will be raised by reinjecting treated groundwater, and the well will be surged again to force the peroxide into the surrounding formation. This process will be repeated up to three times over a period of three weeks. At the conclusion of this time, SMC will inject peroxide into MW #9 and PZ #9, #10 and #12 and reactivate recovery well #2 attempting to draw the peroxide from these adjacent wells through the formation and into recovery well #2. Recovery well #2 will then be sampled during the next quarterly sampling event for VOC/SVOC's in accordance with the site sampling plan.

- If this procedure does not result in a substantial reduction in the VOC/SVOC levels, (i.e. VOC/SVOC levels similar to adjacent wells) at recovery Well #2, than recovery well #2 will be over drilled to remove NAPL materials in the sand pack of the well. A new recovery well will be installed at the location and ground water recovery activities again initiated at this location.

Should you have any questions, please do not hesitate to contact me at (518) 371-3498.

Sincerely,
SPEC Consulting



Joseph S. Burke, PE, CSP
Project Engineer

ENC: Dwg S-1 Site Closure Plan

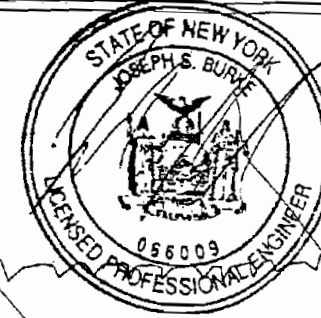
cc: Joe MacArthur - SMC
Chris Goodard - SMC
John May - NYSDEC

C:\Projects4\smc\maestri\DEC letter081699.doc



LEGEND

NEW CONTOURS



EXISTING 8' HIGH SECURITY FENCE

EXISTING GROUND WATER TREATMENT BUILDING (TO REMAIN)

EXISTING CONCRETE PADS TO BE REMOVED

EXIST. GRAVEL ACCESS ROAD

RELOCATED FENCE & GATE

EXISTING FENCE AND GATE TO BE RELOCATED

A28
A26
A24
A22
A20
A18
A16
A14
A12
A10
A08
A06

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SPEC PROJECT #99-059

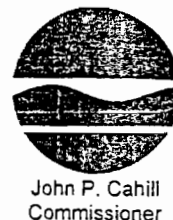


NO.	DATE	REVISION

DRAWING STATUS
PRELIMINARY
FOR REVIEW AND COMMENTS
☐ APPROVED
☐ APPROVED AS MARKED
BY: _____ DATE: _____

NO.	DATE	REVISION
1	8/10/99	APPROVED
2	8/10/99	
3	8/10/99	
4	8/10/99	
5	8/10/99	

STAUFFER MANAGEMENT COMPANY
MAESTRI SITE GEDDES, NEW YORK
SITE CLOSURE PLAN
PLAN, GRADING
SCALE: 1"=30'
DRAWING NO: S-1
SHEET: 1 OF 1
REV. NO: -



AUG 19 1999

Mr. Joseph MacArthur
Project Manager
Stauffer Management Company
1800 Concord Pike
Wilmington, Delaware 19850-5438

Dear Mr. MacArthur:

Re: SMC - Maestri Site, Grading Plan/Chemical Oxidation
Site # 7-34-025, (T) Geddes (C) Onondaga

The Department has reviewed SPEC Consulting's August 16, 1999 letter proposing a grading plan and a plan to chemically treat contaminants in and around recovery well RW-2. Based upon our review and subsequent discussions with Joe Burke on August 17, 1999 we have the following comments:

Grading Plan

- 1) The March 1995 Record of Decision requires placement of six (6) inches of clean top soil over the soil redeposition areas. The Department is willing to accept three (3) inches of loam and three inches of top soil to support vegetation. All treated soil on site must be placed within the specified redeposition area within the site boundaries on the east end of the property. It is understood that the final site grading will result in some mounding of soil on the site. Please revise the plan and drawing accordingly.
- 2) Revised plan must indicate that CT Male will be conducting a ~~pre~~ and post grading survey. Both drawings shall be included within a subsequent report describing site activities.
- 3) Silt fencing and hay bales shall be placed along entire perimeter of site for silt control during and following grading activities.

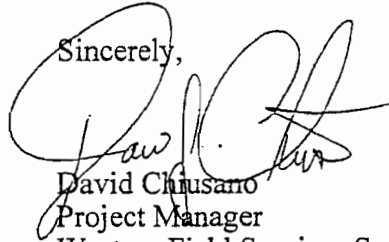
Sept. 7
7:00

Mr. Joseph MacArthur

Page 3

Should you have any questions regarding this matter, please feel free to contact me at (518) 457-7878.

Sincerely,

A handwritten signature in black ink, appearing to read "David Chiusano", written over the printed name.

David Chiusano
Project Manager
Western Field Services Section
Bureau of Construction Services
Division of Environmental Remediation

cc: M. Sykes - IT Corp.
J. Burke - SPEC
J. May - NYSDEC, Region 7
H. Hamel - NYSDOH, Syracuse



Professional Engineering Services

427 Clifton Corporate Par
Clifton Park, NY 1206

518.371.349
Fax 518.383.416

September 6, 1999

Mr. David Chiusano
NYS Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services
50 Wolf Rd.
Albany, NY 12233-7010

**Re: Stauffer Management Company (SMC), Maestri Site
Grading Plan/Chemical Oxidation SPEC Project #99-059**

Dear Mr. Chiusano:

In response to the letter from the Department dated August 19, 1999 regarding the above referenced site, SPEC Consulting will address the items outlined in the letter as follows:

Grading

1. 3" of loam and 3" of top soil will be placed over the soil redeposition areas. These areas will be defined as the limits of the previous excavation. The loam and topsoil will be in accordance with the attached specification.
2. CT Male will be conducting a post grading survey the week of September 6.
3. Silt fencing and hay bales will be placed along the perimeter of the site for silt and sediment control during and following grading activities.
4. Abscope Environmental will be performing grading activities at the site.
5. A specification and drawing for the cover material and seeding are attached.
6. The decon pad will be pressure washed, removed, and disposed of off-site. One foot of soil from under the decon pad will be sampled and left on-site. If the soil is contaminated, it will be excavated and disposed of off-site. Three VOC grab samples will be taken and tested in accordance with EPA 8240. A five point composite sample of the soil will be taken and tested for SVOCs in accordance with EPA 8270. The samples will have a 72 hour turn around. The soils will be staged on a polyethylene liner and covered until the sample results are received. If the soil is found to be contaminated, it will be disposed of off-site. The treatment building slab will be pressure washed, removed, and disposed of off-site. The leachate sump will be removed, washed and disposed of off-site. All off-site materials will

be disposed of at an industrial landfill and all decontamination water will be contained and run through the on-site treatment system.

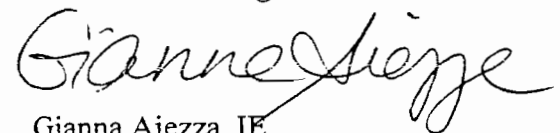
7. The biopile subbase material has been used on site for improving the roadway and other areas of the site.

Chemical Oxidation

1. RW-2 and RW-5 will be overdrilled and rebuilt prior to the introduction of peroxide. Any contaminated soils and debris generated will be properly characterized and disposed of off-site.
2. Wells 3 and 8 will be turned off during the test period. However, we would like to keep wells 6 and 7 running. Since well 6 is far downgradient from wells 2 and 5, and well 7 is in the far north quadrant, it is unlikely that these wells are drawing from the zone of influence of wells 2 and 5. Groundwater elevations will be recorded prior to peroxide introduction.
3. The soil generated during overdrilling will be sampled for VOCs and SVOCs and left on-site. The samples will have a 72 hour turn around. The soils will be staged on a polyethylene liner and covered until the sample results are received. If the soil is found to be contaminated, it will be disposed of off-site. Only the augers used will need to be deconned. They will be deconned on a 10 mil polyethylene liner.

SPEC Consulting, on behalf of SMC, will prepare a fact sheet for the community, which will summarize site activities. The fact sheet will include information on the soil remediation that has been completed, the grading that will be performed and the long term groundwater treatment and monitoring. The grading has been completed and the overdrilling and chemical oxidation will be done at the end of September. Should you have any questions, please do not hesitate to contact me at (518) 371-3498.

Sincerely,
SPEC Consulting



Gianna Aiezza, IE
Project Engineer

cc: Joe MacArthur - SMC
Chris Goddard - SMC
Everett Rice - SMC
Gary Kline - NYSDEC



SECTION 02981
TOPSOIL AND SEEDING

PART 1: GENERAL

1.1 SUMMARY

- A. This Section includes topsoil, fertilizer, seed, mulch, anchorage, and associated work and maintenance required until acceptance.

1.2 REFERENCES

- A. Materials and installation shall be in accordance with the latest revisions of the following codes, standards and specifications, except where more stringent requirements have been specified herein:

1. American Society of Testing and Materials (ASTM)
 - a. ASTM D422 Method for Particle-Size Analysis of Soils
 - b. ASTM D2974 Test Method for Moisture, Ash, and Organic Matter of Feat and Other Organic Materials
 - c. ASTM D4972 Standard Test Method for pH of Soils
 - d. ASTM D5268 Specification for Topsoil used for Landscaping Purposes

1.3 SUBMITTALS

- A. In addition to those submittals identified in the Special Provisions, the following items shall be submitted:

1. Documentation giving location of properties from which the topsoil will be obtained, names and addresses of the owners, and depth to be stripped.
2. Documentation giving the seed vendor's certified statement for the grass seed mixture required, stating common name, scientific name, percentage by weight, and percentages of purity and germination.
3. Documentation giving data concerning hydroseeding equipment (if used), including all material application rates.
4. Documentation regarding test results for particle size, acidity, fertility, and texture performed on representative samples of soil.
5. Affidavit from owner of source and hazardous waste testing results in accordance with the Special Provisions.

PART 2: PRODUCTS

2.1 TOPSOIL

- A. The topsoil shall be unfrozen, natural, fertile, friable, clayey loam soil characteristic of productive soils in the vicinity and shall comply with ASTM D5268. No admixtures of subsoil shall be allowed. Topsoil must be uniform in composition and texture, clean and free from clay lumps, stones, weeds,

sticks, brush, stumps, roots, toxic substances, and debris or similar substances 2-inches or more in greatest dimension.

- B. Prior to and during installation of the topsoil layer, material from the borrow source shall be tested in accordance with the following standards and frequencies:

<u>Parameter</u>	<u>Standard</u>	<u>Minimum Frequency</u>	<u>Criteria</u>
Topsoil Particle Size	ASTM D422	Once per 1500 cy	Monitoring consistency of borrow source
Topsoil pH	ASTM 4972	Once per 1500 cy	pH in the range of 5.5 and 7.6
Topsoil Organic Content	ASTM 2974	Once per 1500 cy	not less than 5% nor more than 20%

2.2 GRASS SEED

- A. Seed mixtures shall be of commercial stock of the current season's crop and shall be delivered in unopened containers bearing the guaranteed analysis of the mix.

- B. Seed Mixture: Pounds Per Acre

<u>Common Name</u>	<u>% By Weight</u>	<u>% Purity</u>	<u>% Germination</u>
Timothy	30	90	90
Clover	20	90	90
Perennial Ryegrass	40	90	90
Annual Ryegrass	10	90	90

2.3 FERTILIZER

- A. Fertilizer shall be a standard quality commercial carrier of available plant food elements. A complete prepared and packaged material containing a minimum of 10 percent nitrogen, 10 percent phosphoric acid and 10 percent potash.
- B. Each bag of fertilizer shall bear the manufacturer's guaranteed statement of analysis.

2.4 MULCH

- A. Mulch shall be unrotted stalks of oats, wheat, rye or other approved crops which are free from noxious weeds, salt, mold, or other objectionable material.
- B. Other sources of mulch may be utilized if approved by the Engineer.

PART 3: EXECUTION

3.1 INSTALLATION

- A. All areas to be topsoiled shall receive a minimum of 3-inches of topsoil on top of 3-inches of loam. The areas to receive topsoil shall be graded to a

depth of not less than 3 inches or as specified below the proposed finished surface. If the depth of topsoil existing prior to construction was greater than 3 inches, the topsoil shall be replaced not less than the greater depth.

1. All debris and inorganic material shall be removed and the surface loosened for a depth of 2 inches prior to the placing of topsoil.
- B. The topsoil shall not be placed until the subgrade is in suitable condition and shall be free of frost and excessive moisture.
- C. Topsoiled surfaces shall be seeded in accordance with this Section. All surfaces shall then be mulched and fertilized in accordance with this section.

3.2 APPLICATION PROCEDURES

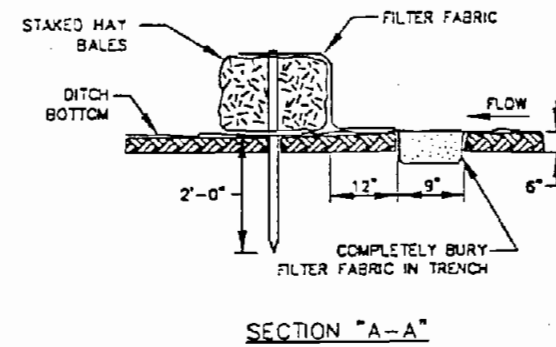
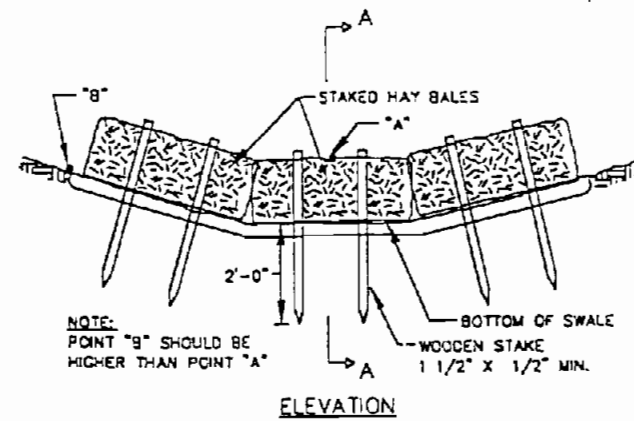
- A. The finished surface shall conform to the lines and grades of the area before disturbed or as shown on the Contract Drawings. Any irregularities shall be corrected before the placement of fertilizer and seed.
- B. The Contractor shall proceed with the complete landscape work as rapidly as portions of the site become available, working within seasonal limitations of each type of work required.
- C. The fertilizer shall be applied uniformly at the rate of 20 pounds per 1000 square feet.
 1. Following the application of the fertilizer and prior to application of the seed, the topsoil shall be scarified to a depth of at least 2 inches with a disc or other suitable method traveling across the slope if possible.
- D. When the topsoil surface has been fine graded, the seed mixture shall be uniformly applied upon the prepared surface with a mechanical spreader at a rate of not less than 8 pounds per 1000 square feet.
 1. The seed shall be raked lightly into the surface and rolled.
 2. Seeding shall be suspended when wind velocities exceed 5 miles per hour or as directed by the Engineer.
- E. Mulch shall be hand or machine spread to form a continuous blanket over the seed bed, approximately 2 inches uniform thickness at loose measurement. Excessive amounts of bunching of mulch will not be permitted.
 1. Mulch shall be anchored by an acceptable method.
 2. Unless otherwise specified, mulch shall be left in place and allowed to disintegrate.
 3. Any anchorage or mulch that has not disintegrated at time of first mowing, shall be removed. Anchors may be removed or driven flush with ground surface.
- F. Seed bed shall be moistened following application of mulch. A muddy soil condition will not be acceptable.

- G. Hydroseeding may be accepted as an alternative method of applying fertilizer, seed and mulch. The Contractor must submit all data regarding materials and application rates to the Engineer for review.
- H. Seeded areas shall be watered as often as required to obtain germination and to obtain and maintain a satisfactory sod growth. Watering shall be in such a manner as to prevent washing out of seed.
- I. The stand of grass resulting from the seeding shall not be considered satisfactory until accepted by the Engineer. An acceptable lawn shall have a minimum of 90% of the area covered with plants of the specified seed mix and no areas greater than one foot square of bare surface. If areas are determined to be unacceptable, the remaining mulch will be removed and all areas shall be re-seeded, re-fertilized and re-mulched as per the above application procedures at the Contractor's expense.

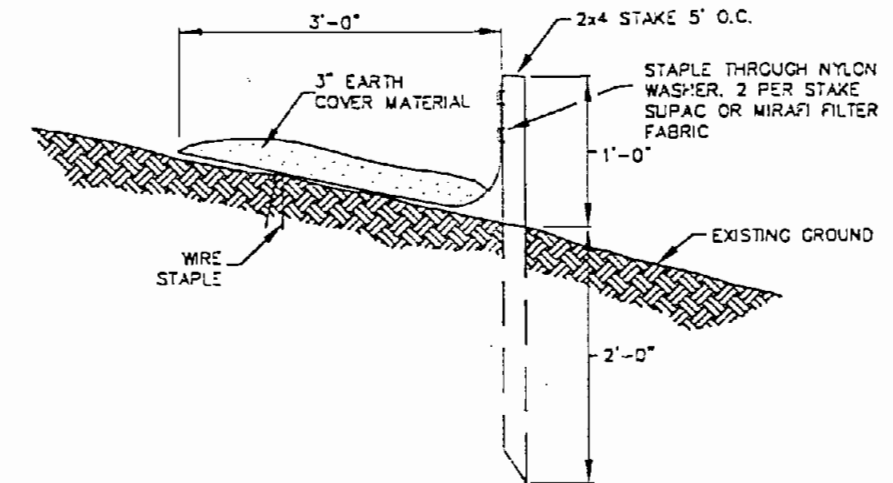
3.3 MAINTENANCE

- A. The Contractor shall begin maintenance period immediately after planting of landscape materials.
- B. The Contractor shall maintain grass areas, for the periods required to establish an acceptable growth, but not less than 60 days after date of substantial completion. If seeded in the fall and not given a full 60 days of maintenance, or if not considered acceptable by the Engineer at that time, continue maintenance during following spring until acceptable, grass stand is established.
- C. Seeded areas shall be watered as often as required to obtain germination and to obtain and maintain a satisfactory sod growth. Watering shall be in such a manner as to prevent washing out of seed.

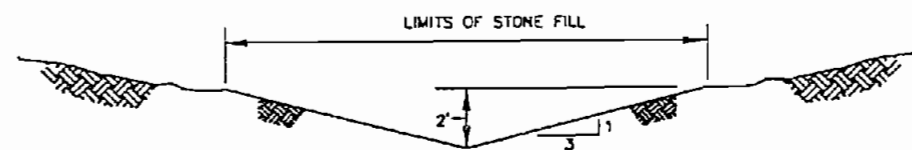
END OF SECTION



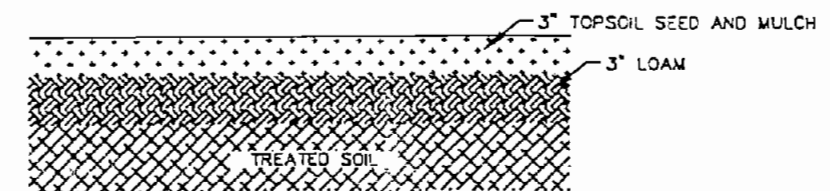
HAY BALE
1 SILTATION CONTROL DETAIL
D-1 NO SCALE



2 SILTATION FENCE DETAIL
D-1 NO SCALE



3 V - DITCH
D-1 NO SCALE



4 BIOCELL SEEDING DETAIL
D-1 NO SCALE

FILE NO. 899-032

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SPEC PROJECT 899-032

SPEC CONSULTING
Professional Engineering Services
1000 West 10th Street, Suite 100
Bismarck, ND 58102
701/781-1111

NO.	REV.	DESCRIPTION	DATE	BY	CHK.	APP.

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 8/20/99
FOR PERMIT ACCEPTANCE ONLY
APPROVED BY: [Signature]
DATE: 8/20/99

NO.	REV.	DESCRIPTION	DATE	BY	CHK.	APP.

MAESTRI SITE
GEDDES, NEW YORK
BIOCELL CLOSURE DETAILS

SCALE	PROJECT NO.	SHEET	TOTAL SHEETS
NTS	D-1	1 OF 1	1

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services, Room 267
60 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-9280 • FAX: (518) 457-7743
Website: www.dec.state.ny.us



SEP 13 1999

Mr. Joseph MacArthur
Project Manager
Stauffer Management Company
1800 Concord Pike
Wilmington, Delaware 19850-5438

Dear Mr. MacArthur:

Re: SMC - Maestri Site, Grading Plan/Chemical Oxidation
Site # 7-34-025, (T) Geddes (C) Onondaga

The Department has reviewed SPEC Consulting's 9/6/99 letter which addresses our previous comments regarding the subject activities at the Maestri site. Based upon our review the overall plan is approved. However there are a few minor comments that still need to be clarified and addressed by SMC.

GRADING:

1) Item six (6) needs to be revised to indicate that the former drum storage pad will also need to be handled similar to the small decon pad to the east that is currently being demolished. A total of three composite SVOC and three VOC grab samples from the soil beneath the pad will need to be collected and analyzed by SMC.

CHEMICAL OXIDATION:

1) Peroxide handling, mixing (buffer, catalyst, acid, peroxide, etc.) and injection procedures must be identified and detailed.

GENERAL:

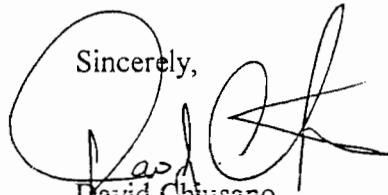
1) Please provide a detailed schedule for overdrilling and chemical oxidation activities to me once it is determined. Please give the Department at least five (5) working days advance notice in order to provide satisfactory oversight.

Mr. Joseph A. MacArthur

Page 2

Finally, please feel free to contact me should you have any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'David Chiusano', written over the word 'Sincerely,'.

David Chiusano
Project Manager
Western Field Services Section
Bureau of Construction Services
Division of Environmental Remediation

Enclosure

cc: C. Goddard, SMC
J. Burke / G. Alezza - SPEC
J. May - NYSDEC, Region 7
H. Hamel - NYSDOH, Syracuse

Appendix E
Community Correspondence

Maestri Site

904 State Fair Boulevard
Geddes, New York 13209

Background

The Maestri site was owned entirely by Bert Maestri until 1995 when he sold a portion of the site to local developer Kelly Ormsby. The seven-acre site, located three miles northwest of Syracuse, is covered by grass, brush, trees, and some cleared areas. Private residences border on the northeast; the rest of the property is bordered by a major highway and wooded areas.

More than 20 years ago, a number of drums containing chemical waste materials were buried at this site by contract haulers who were handling wastes for various New York state manufacturing plants. Some of the waste materials allegedly came from the former Stauffer Chemical Company plant in Skaneateles Falls, New York.

However, Stauffer has consistently contended that if the drums found at the Maestri site were in fact generated at its plant, the disposal at the Maestri site was not conducted with its knowledge or consent.

Stauffer Chemical Company was divested in 1987 and parts of it were acquired by ICI, a diversified chemical company with U.S. headquarters in Wilmington, Delaware. The Maestri Site is currently managed by Stauffer Management Company (SMC), which was formed as a result of Stauffer's divestiture. Zeneca Inc. (formerly ICI Americas) is an affiliate company that provides support services to SMC.

Investigations

A site investigation, completed in the early 1990s, revealed a cache of buried drums (which were removed) and a contaminated groundwater plume. These findings resulted in the installation of an on-site groundwater interceptor/treatment system to prevent contaminated groundwater from leaving the site, and the installation of a ventilation system on a basement sump in a nearby residence as a precautionary measure.

(continued)

Maestri - 2

A Remedial Investigation (RI) was conducted in 1993, concentrating on a 2.8 acre area at the northeast end of the site. As a result of this investigation, a third cache of buried drums was found, then excavated and removed.

Site investigations to date have included surface water and sediment sampling, surface and subsurface soil sampling, passive soil vapor surveys, geophysical surveys, test pits, groundwater quality screening, groundwater sampling and indoor air sampling.

Data from these investigations indicate that there has been no impact to the surface soils, surface water, sediments, bedrock groundwater or residential indoor air quality as a result of the former drum disposal activities. There appear to be no additional drums buried on the site. However, a plume of contaminated groundwater has been identified downgradient of the former drum disposal areas, including in an area not on site property. The plume is being contained by the recovery well network, and has not impacted nearby Onondaga Lake.

Current Status

Site remediation activities have included two drum removal efforts (1992 and 1993), and the installation of a groundwater recovery and treatment system in 1991 and 1992. In addition, a human health risk assessment has concluded that, based on current environmental conditions, the site does not pose an imminent risk to human health.

The 2.8 acre section at the northeast end is cleared and secured by an eight-foot high chainlink fence and locked gates. Within the secured area are a treatment building, two concrete pads, nine monitoring wells, five groundwater recovery wells, and three areas where waste drum caches have been excavated.

Extensive contacts were made with adjacent residential property owners preceeding the installation of the groundwater recovery and treatment system. In 1993, a meeting was held with the property owners to discuss plans to collect shallow groundwater samples in the area downgradient of the site.

The RI report was approved by NYSDEC in 1994; a Feasibility Study was approved in 1995. NYSDEC then issued a Proposed Remedial Action Plan (PRAP), followed by a Record of Decision (ROD) in 1995. Design of a system to remediate contaminated soils is currently underway, with remediation scheduled to begin in the Spring of 1996.

For further information: Joe MacArthur, Project Coordinator for Stauffer Management Company, 302/886-4257.

RECEIVED

APR 24 1996

Environmental Services
& Operations
FILE: CC: TO:

**MAESTRI SITE - TOWN OF GEDDES
SITE #7-34-025
FACT SHEET - APRIL 1996**

Dear Interested Citizen:

Representatives from the New York State Department of Environmental Conservation (NYSDEC) and Health (NYSDOH) will conduct a informational session on the Remedial Action planned for the Maestri Inactive Hazardous Waste Site at 904 State Fair Boulevard. Final Plans and Specifications for the contaminated soil remedial program will be available for public review during the working session.

**The meeting will be held on Wednesday May 1, 1996 7:00PM at the
Geddes Town Hall located at 100 Woods Road, Solvay, N.Y.**

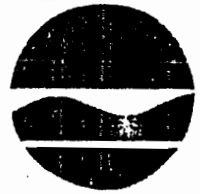
The site responsible party, Stauffer Management Company has completed an agreement with a remedial contractor to implement the soil clean up program that was selected by the DEC and documented in March 1995 Maestri Site Record of Decision (ROD). Within the next few weeks the remedial contractor, Groundwater Technology Inc.(GTI), will begin to mobilize equipment on the site. The remedial activities as currently scheduled will be completed by the end of September. In order to accomplish the remediation with minimal disturbance to the local residents, a temporary structure will be constructed on site to enclose both the soil handling equipment and active excavation area. Off gases and odors from the soil remediation operation will be captured within the structure and treated with carbon thereby reducing public nuisance.

The operations within the enclosure will entail excavation of approximately 8000 cubic yards of contaminated soil, removal of volatile organic contamination via mechanical screening and if necessary supplemental soil conditioning. The plans provide for the soil to be conditioned and placed into onsite bio treatment piles in the event mechanical screening is unable to reduce concentrations to predetermined clean up levels. Groundwater and contaminated surface runoff will be controlled and treated by the existing onsite carbon wastewater treatment system.

Should you have any questions concerning the remediation program for the Maestri Site please contact Mr. Gary E. Kline, P.E., NYSDEC Project Manager at (518) 457-5636. Questions concerning health issues can be made to Mr. Ron Heerkins NYSDOH at (315) 426-7627. Copies of the plans and specifications are available for review at the Geddes Town Hall and at the NYSDEC Region 7 Office 615 Erie Boulevard West, Syracuse.

Copy of letter sent to Residents

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233



August 7, 1996

Michael D. Zagata
Commissioner

Dear Citizen:

The New York State Department of Environmental Conservation (NYSDEC) and Stauffer Management Company (SMC) have recently been informed of the presence of odors in areas adjacent to the Maestri Inactive Hazardous Waste Disposal Site during on-going clean-up actions. While measured concentrations of organic vapors are below the level of any potential health impacts we recognize that the odors present a nuisance problem. The NYSDEC is committed to working with SMC and the site remedial contractors to correct this problem in an expeditious manner. As a result, representatives from the NYSDEC, SMC, and Fluor Daniels GTI (general contractor) have discussed and identified likely sources of these odors, and outlined corrective measures to monitor and better control vapor releases.

As required by the NYSDEC and New York State Department of Health (NYSDOH), air monitoring/sampling inside the temporary building structure and work areas has been routinely performed during soil excavation and soil screening operations. Under NYSDEC observation, the monitoring programs have focused on diesel exhaust compounds (originating from construction equipment), organic vapors (originating from contaminated subsurface soil), and dust. Secondly, perimeter fence line monitoring has been conducted on a once daily schedule during excavation and screening operations. To date, the measured organic vapor concentrations at the fence line have been below corrective action levels established by the NYSDEC and NYSDOH. Furthermore, the air collection/treatment system, designed to collect and treat air within the temporary building structure, has been monitored weekly for organic vapor concentrations. Again, measured organic vapor concentrations were below action levels.

Currently, the NYSDEC and NYSDOH are working with SMC to increase the level of effort in controlling the potential for vapors to escape from the containment building. Actions being taken include the following (also refer to attached site figure):

SOURCE CONTROL / PHYSICAL BARRIERS:

- * Keeping all doors to the temporary structure closed during working hours. Minimize doors open during off working hours.
- * Upgrading and maintaining seals along the bottom perimeter of enclosure.
- * Inspecting the enclosure's ventilation piping daily and correct leaks immediately.
- * Soil piles existing outside the enclosure will be covered to control dust and potential vapor emissions.
- * Off hours and evening inspections of the facility will be conducted.

-over-

MONITORING:

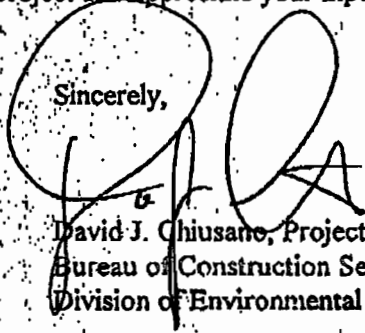
- * Stack samples from the air treatment system will be collected for lab analysis weekly.
- * Fence line monitoring will be increased to three times per day.
- * Two fixed air sampling stations to collect and sample for organic vapors and dust will be established.
- * Offsite monitoring in residential area will continue to be conducted daily.

significantly reduced
The NYSDEC, NYSDOH, and SMC fully anticipate that the above corrective actions will eliminate the presence of nuisance odors currently being detected. However, in the future should you have any questions, concerns, or detect additional odors we encourage you to contact any person identified below:

Everett Rice, SMC (at the on site construction trailer);	(315) 488-8059
Chris Goddard, SMC Construction Project Manager:	(302) 886-5528
Mike Sykes, Fluor Daniels GTI (at construction trailer):	(315) 488-7852
David J. Chiusano, NYSDEC Construction Project Manager:	(518) 457-7878
Henri Hamel, NYSDOH - Syracuse:	(315) 426-7627

We encourage your participation in this project and appreciate your input and continued cooperation.

Sincerely,


David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation



FLUOR DANIEL GTI

To: David

Chiusano

FILE

October 15, 1996

Dear Citizens:

This notice is to update you of upcoming work activities scheduled for the Maestri Inactive hazardous waste site at 904 State Fair Boulevard. These activities (outlined below) have been discussed with and approved by the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH).

Excavation of contaminated soils within the enclosure has been completed to the maximum limits available inside the enclosure. Soil sampling has indicated limited contaminated soils will need to be excavated following the removal of the enclosure. Excavated soils have been moved to covered soil pile locations on the site. These soils will continue to be monitored and sampled for the next six months in accordance with the approved plans. Depending on future analytical results the bio-piles may be backfilled into the excavation or continued to be maintained/monitored as long as necessary to meet the sites cleanup objectives.

The following activities will be performed at the job site over the next few weeks:

- Clean the enclosure.
- Enclosure removal.
- Complete bio-pile treatment system construction.
- Limited additional excavation (the existing air monitoring program, on site and at the fence line, will continue during all excavation activities).
- Backfill excavation with approximately 1,000 cubic yards of clean soil.
- Put up construction fence and appropriate signage around excavation.
- Monitor/ maintain soil treatment piles for six months, longer if necessary depending on future analytical results.
- Sample soil piles to confirm clean-up objectives.
- Backfill excavation with treated soils from soil piles and reseed disturbed areas.
- Continue to monitor/maintain site facilities including, but not limited to , groundwater treatment system and perimeter fences.

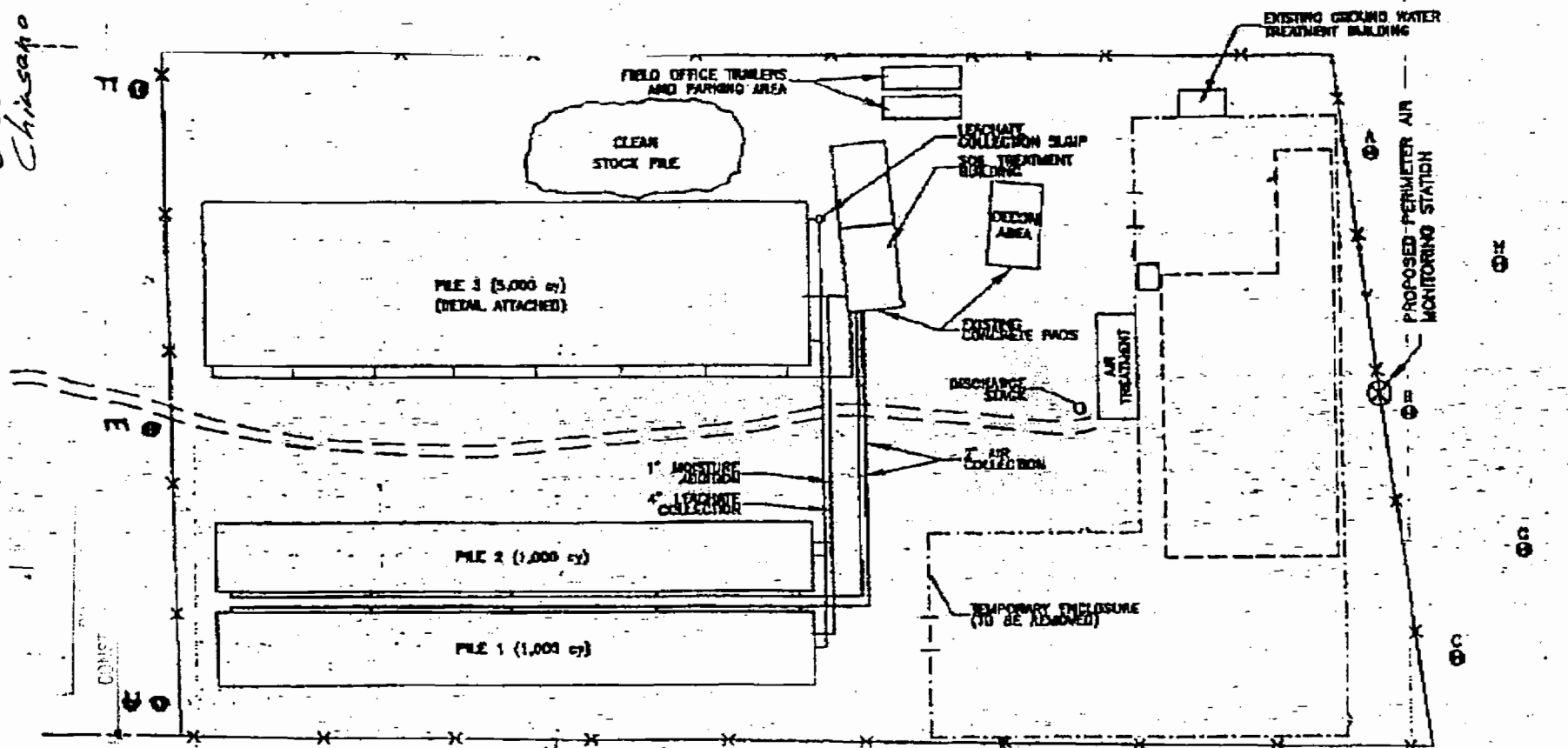
Your input and continued cooperation is appreciated. Any questions you may have regarding this work may be directed to any of the following individuals:

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE NUMBER</u>
Brian Trapp (construction manager)	Fluor Daniel, GTI On-site Field Trailer	(315)488-7852
Mike Sykes (Project Manager)	Fluor Daniel, GTI Office	(518)370-5631
Chris Goddard (Project Manager)	Stauffer Management Co.	(302)886-5528
David Chiusano (Project Manager)	NYSDEC	(518)457-7878
Ron Herkens/Henri Hamel	NYS Department of Health	(315)426-7627

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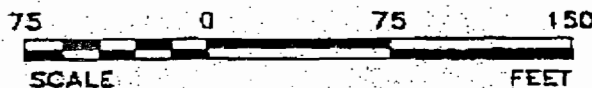
To: Dave
Chisano

■ Air monitoring with hand held Photo ionization detectors (PID) will be completed and recorded once every hour during the removal of the enclosure and at least one day following removal. The existing fence line monitoring program will remain in effect until the enclosure has been down for at least one full day and concentrations are below health based action concentrations.



LEGEND

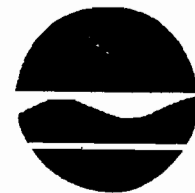
- EXISTING AIR MONITORING LOCATION
- == ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- xxx 6' HIGH SECURITY FENCE
- - - PROPOSED LIMITS OF EXCAVATION



		1245 KINGS ROAD SCHENECTADY, NY 12303 (518) 370-3831	
		FLUOR DANIEL GTI	
PROJECT NO.:	01110-0531	ACAD FILE:	0531-STA
DESIGNED:	BMT	DRAWING DATE:	9/24/96
DETAILED:	DEO	SITE MAP WITH BIO/SVE SOIL PILE LOCATIONS	
CHECKED:			
CLIENT/LOCATION:		FIGURE:	
SMC/MAESTRI GETTYS NEW YORK		1	

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

December 5, 1996



Michael D. Zagata
Commissioner

Mr. Tom Alexander
154 Alhan Parkway
Solvay, NY 13209

RE: Location of Maestri Project Document Repository

Dear Mr. Alexander:

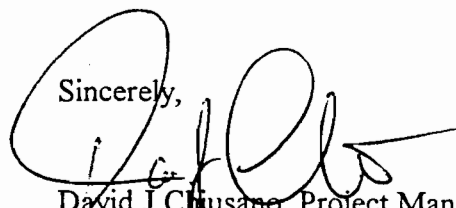
As per our recent conversation at the public meeting for the Maestri Project I am providing you with the location of the document repository. Local repositories were established at the following local locations for public review of project related material:

- 1) Geddes Town Hall
Woods Road
Solvay, NY
- 2) *NYSDEC - Region 7 Office
615 Erie Boulevard West
Syracuse, NY 13204
Attn: Charles Branagh, P.E.
TEL: (315) 426-7551
* Appointment necessary

At the conclusion of the construction phase of the project, SMC will be responsible for issuing a report that summarizes all of the details including, but not limited to, analytical data. Once approved by the Department this document will also be placed into the repositories identified above.

Should you have any questions, comments, or concerns at any time please do not hesitate to contact me at (518) 457-7878. Your interest in this project is appreciated.

Sincerely,



David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: C.Branagh
J.May

bcc: G.Harris
D.Chiusano(2) ✓
Dayfile

**MAESTRI SITE - TOWN OF GEDDES
904 STATE FAIR BOULEVARD
FACT SHEET**

This fact sheet is intended to inform you of upcoming events regarding the Maestri Inactive Hazardous Waste Site at 904 State Fair Boulevard. A site responsible party, Stauffer Management Company, has completed an agreement with a remedial contractor to implement the soil cleanup program that was selected by the New York State Department of Environmental Conservation (NYSDEC) in the March 1995 Record of Decision. You may have already noticed some construction equipment and activities beginning on the site. Equipment mobilization and site preparation including grubbing and clearing is presently underway at the site.

Operations to take place at the site include the following steps:

1. erection of a temporary structure (such as the one shown below) at the site which will enclose the excavation zone, remedial screening equipment, and air collection system;
2. excavation of approximately 8000 cubic yards of contaminated soil;
3. removal of volatile organic compounds (VOCs) from the soil utilizing mechanical screening equipment; and,
4. construction and operation of soil vapor extraction/bioremediation soil piles, if necessary, to further treat the soil. Once soil has been treated sufficiently to within the NYSDEC remedial action objectives, it will be returned to the original excavation; and the site will be regraded and restored.

The environmental structure is intended to enclose the remediation activities at the site so that any VOCs or dust generated during the excavation or mechanical screening process can be contained within this structure and collected for treatment via an air collection and treatment system. The temporary structure will have a fabric roof and sides and be large enough to house the screening equipment, serve as the staging area for excavated soil, extend over the proposed excavation zone (approximately 200 ft x 80 ft). This will allow access to the necessary construction equipment such as dump trucks, frontend loaders, bulldozers and project personnel. It will be very visible from roads and houses, especially those along Alhan Parkway and will be up for approximately three months.

Ground water and surface runoff water will be controlled during the site activities and treated through the existing on-site carbon wastewater treatment system. Also, measures will be taken, as necessary (berms, hay bales, etc.), to control storm water runoff caused by site activities and dust and particulate release.

Any questions you may have regarding this work may be directed to any of the following individuals:

<u>Name</u>	<u>Company</u>	<u>Phone Number</u>
Mike Sykes	Groundwater Technology Inc.	(315)488-7852
Chris Goddard	Stauffer Management Company	(302)886-5528
Gary E. Kline	NYSDEC	(518)457-5636
Ron Heerkens	NYS Department of Health	(315)426-7627



MAESTRI SITE**PUBLIC INFORMATION MEETING**

As part of our ongoing open communication with area residents and other interested parties, there will be a public information session concerning the Maestri Inactive Hazardous waste site located at 904 State Fair Boulevard. The information session will be hosted by Stauffer Management Co. and Fluor Daniel GTI who are the responsible party and general contractor respectively for the site.

The purpose of the meeting is to update citizens on the current status of the project, the projected upcoming activities and the schedule anticipated. An open question and answer session will follow. Due to the hour of the meeting, complimentary hors d'oeuvres and beverages will be served to those attending. The meeting will also be attended by members of the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH).

Following are the details of the meeting:

DATE: Wednesday, December 4, 1996
TIME: 6:00 PM - 8:30 PM
LOCATION: Raphael's Restaurant
930 State Fair Boulevard
Downstairs Banquet Room

Should you have additional questions or wish more information, please call one of the following:

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE NUMBER</u>
Brian Trapp (construction manager)	Fluor Daniel, GTI On-site Field Trailer	(315)488-7852
Mike Sykes (Project Manager) Office	Fluor Daniel, GTI	(518)370-5631
Chris Goddard (Project Manager)	Stauffer Management Co.	(302)886-5528

STAUFFER MANAGEMENT COMPANY

Environmental Services & Operations
Wilmington
Delaware 19897

Telephone (302) 886-3000
Fax (302) 886-5933

February 4, 1997

Mr. and Mrs. K. Cook
149 Alhan Parkway
Syracuse, NY 13209

Dear Mr. and Mrs. Cook:

As you know, Stauffer Management Company is currently in the process of performing remediation activities on contaminated soils at the Maestri Site at 904 State Fair Boulevard. As part of this activity, the New York State Department of Environmental Conservation has requested additional soil samples be taken. These samples will be taken at the top bank of your property using equipment similar to a drilling rig.

The borings will be made at the end of this week. Current plans are for this activity to be completed Thursday and Friday, February 6 and 7. Access for the drilling equipment will be through the gate on the Maestri property. Stauffer Management Company proposes to take these samples in accordance with the terms in our current Access Agreement executed in December 1991 (copy attached).

We would like to thank you for your continued understanding and assistance in completing this project. Should you have any questions concerning these new wells, please do not hesitate to contact me at (302) 886-5528.

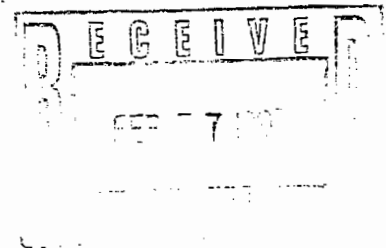
Sincerely,



Christopher M. Goddard
Project Manager
Stauffer Management Company

CMG/nls
Enclosure

cc: E. Rice, SMC
M. Sykes, GTI (no enclosure)
D. Chiusano, NYSDEC (no enclosure)



STAUFFER MANAGEMENT COMPANY

Environmental Services & Operations
Wilmington
Delaware 19897

Telephone (302) 886-3000
Fax (302) 886-5933

February 4, 1997

Ms. J. Guiffrida
147 Alhan Parkway
Syracuse, NY 13209

Dear Ms. Guiffrida:

As you know, Stauffer Management Company is currently in the process of performing remediation activities on contaminated soils at the Maestri Site at 904 State Fair Boulevard. As part of this activity, the New York State Department of Environmental Conservation has requested additional soil samples be taken. These samples will be taken at the top bank of your property using equipment similar to a drilling rig.

The borings will be made at the end of this week. Current plans are for this activity to be completed Thursday and Friday, February 6 and 7. Access for the drilling equipment will be through the gate on the Maestri property. Stauffer Management Company proposes to take these samples in accordance with the terms in our current Access Agreement executed June 19, 1996 (copy attached).

We would like to thank you for your continued understanding and assistance in completing this project. Should you have any questions concerning these new wells, please do not hesitate to contact me at (302) 886-5528.

Sincerely,



Christopher M. Goddard
Project Manager
Stauffer Management Company

CMG/nls
Enclosure

cc: E. Rice, SMC
M. Sykes, GTI (no enclosure)
D. Chiusano, NYSDEC (no enclosure)

STAUFFER MANAGEMENT COMPANY

Environmental Services & Operations
Wilmington
Delaware 19897

Telephone (302) 886-3000
Fax (302) 886-5933

February 4, 1997

Mr. and Mrs. L. Fisher
151 Alhan Parkway
Syracuse, NY 13209

Dear Mr. and Mrs. Fisher:

As you know, Stauffer Management Company is currently in the process of performing remediation activities on contaminated soils at the Maestri Site at 904 State Fair Boulevard. As part of this activity, the New York State Department of Environmental Conservation has requested additional soil samples be taken. These samples will be taken at the top bank of your property using equipment similar to a drilling rig.

The borings will be made at the end of this week. Current plans are for this activity to be completed Thursday and Friday, February 6 and 7. Access for the drilling equipment will be through the gate on the Maestri property. Stauffer Management Company proposes to take these samples in accordance with the terms in our current Access Agreement executed October 1991 (copy attached).

We would like to thank you for your continued understanding and assistance in completing this project. Should you have any questions concerning these new wells, please do not hesitate to contact me at (302) 886-5528.

Sincerely,



Christopher M. Goddard
Project Manager
Stauffer Management Company

CMG/nls
Enclosure

cc: E. Rice, SMC
M. Sykes, GTI (no enclosure)
D. Chiusano, NYSDEC (no enclosure)



John P. Cahill
Commissioner

MAESTRI SITE
GEDDES, NEW YORK
FACT SHEET
July 9, 1997

This fact sheet provides updated information about the soil and ground water cleanup program at the Maestri inactive hazardous waste site, New York State Department of Environmental Conservation (NYSDEC) Site #7-34-025, located at 904 State Fair Boulevard in Geddes, New York (refer to Figure 1). Stauffer Management Company (SMC) has been conducting remediation activities at the site to address the cleanup of soil and ground water. Attached to this sheet is a sketch showing the current conditions of the site (refer to Figure 2). The site is currently in an operations and maintenance phase which is being monitored by SMC with oversight by NYSDEC and the New York State Department of Health (NYSDOH).

Background:

Formerly farmland, drums containing industrial waste materials were buried on the site in the 1970's, and later excavated and removed in 1987, 1990, and 1993. Investigations conducted since that time have detected the presence of volatile organic compounds (VOCs), primarily xylene, and semi-volatile organic compounds (SVOCs) in the ground water and in the soils in the portion of the site used to bury the drums. To correct this problem, measures have been taken to prevent off-site migration of affected ground water and to remove VOCs from the affected soils as described below. In addition, an eight foot high chain link fence was erected enclosing a section of the site in order to restrict public access.

Remedial Activities:

From April 1996 to March 1997, approximately 14,000 cubic yards (CY) of soil were excavated for on-site treatment. Soils which were determined to contain VOCs and/or SVOCs above NYSDEC clean up goals were treated on site by mechanical screening within a temporary building structure. This process is generally described as the churning and mixing of soil to promote soil breakdown into very fine particles which allows volatile compounds contained within the soil to be removed. The air containing the volatilized VOCs was collected, treated on site to remove VOCs, and discharged to the atmosphere in accordance with NYSDEC guidelines.

Soil piles 1 and 2, which were determined to be within NYSDEC soil clean up goals, have already been backfilled within the excavation area. Soils which did not comply with NYSDEC goals were placed into soil piles (identified as piles 3, 4, and 5 on Figure 2) for further treatment. Since March of 1996, approximately 11,000 CY of soil have been placed within the three piles located on the site. In addition, the soil was placed on protective liners and also covered with liners to keep it contained within the piles. The piles will be used to degrade and remove the contaminants within the soil by using natural or introduced micro-organisms ("bugs"). These piles were designed and constructed with features necessary to provide enhancements to speed up this process.

As on-site treatment continues the air which leaves the soil piles is being collected, treated on site and discharged to the atmosphere. Soil and air samples from the piles are collected periodically and tested for the presence of site-related compounds in order to make an evaluation of when the soil is suitable for backfilling. When the remaining soil piles have been treated to meet NYSDEC clean up goals, these soil piles will be backfilled into the remaining excavation. Regrading and seeding of the site area will then take place.

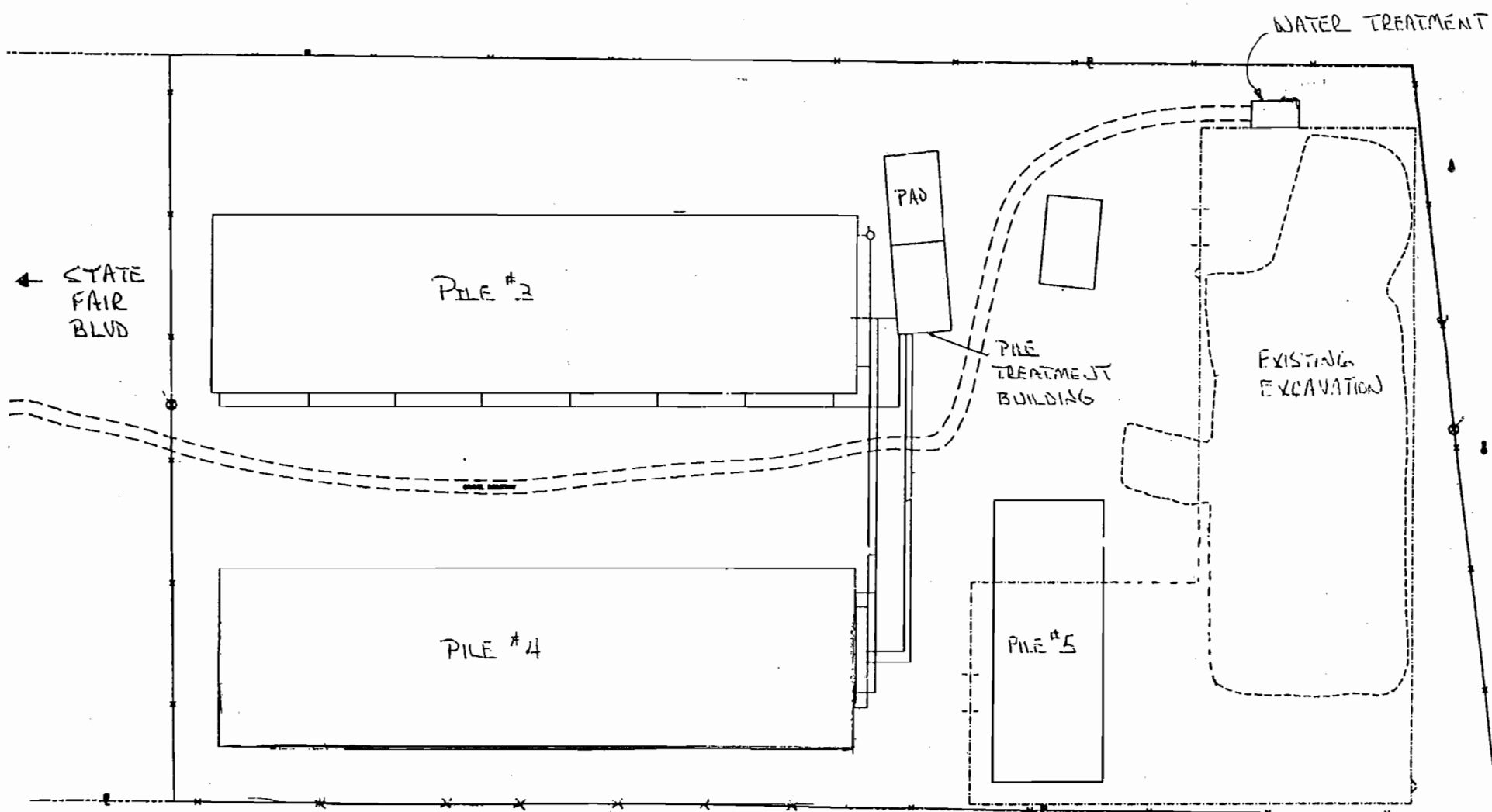
Currently, backfilling and seeding is anticipated during the Fall of 1997. Until backfilling and seeding is completed, an open excavation measuring approximately 90 ft. wide by 220 ft. long exists. The excavation varies in depth from approximately 18 ft. to 25 ft. deep. In addition to the chain link fence around the site, an orange construction safety fence has been placed around the excavation. Any water collecting in the open excavation is captured in the existing ground water recovery/treatment system. Following final backfilling and seeding activities, a report detailing the specifics of the remediation activities will be prepared and submitted by SMC to NYSDEC. Once finalized, the report will be made available to the public thru the established site document repositories.

Contacts for Additional Information:

Any questions you may have regarding this work may be directed to any of the following individuals:

<u>Name</u>	<u>Organization</u>	<u>Phone Number</u>
Joseph MacArthur	SMC	(302) 886-4257
Chris Goddard	SMC	(302) 886-5528
David Chiusano	NYSDEC (Albany)	(518) 457-7878
Henri Hamel	NYSDOH (Syracuse)	(315) 426-7613

Figure 2





FLUOR DANIEL GTI

September 11, 1996

Subject: Saturday work at the Maestri Site

Dear Citizens:

For your information Fluor Daniel GTI, Inc. (clean up contractor) will be working Saturdays starting September 14, 1996 through mid-October 1996 (four or five weeks), in an effort to expedite the work currently underway at the Maestri Site in Geddes, New York. Work hours on Saturdays will not begin before 8:00 am and will be complete by dusk. We feel these extended work days are necessary to complete the work within this construction season. The currently existing required level of safety and air monitoring will be maintained and continued during any work on Saturdays.

If you have any questions, comments or concerns please contact us at:

Site Phone Number:	(315) 488 - 7852
Contact:	Brian Trapp, Site Superintendent
Fluor Daniel GTI Office Number:	(518) 370 - 5631
Contact:	Mike Sykes, Project Manager
Stauffer Management Company	(302) 886 - 5528
Contact:	Chris Goddard, Project Manager
NYSDEC	(518) 457 -7878
Contact:	David Chiusano, Project Manager

Your continued understanding and cooperation during the completion of this project is appreciated.

Sincerely,
Fluor Daniel GTI, Inc.

Michael P. Sykes
Project Manager

MPS:mbe

#63bc/maestri/0531sat.ltr

STAUFFER MANAGEMENT COMPANY

October 24, 1997

Dear Neighbor:

This notice is to update you of upcoming work activities scheduled for the Maestri inactive hazardous waste site at 904 State Fair Boulevard. These activities (outlined below) have been discussed with and approved by the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH).

Sampling and analysis of the aboveground biopiles at the site which was performed in August indicates that discrete portions of the piles currently meet the required cleanup standard. These portions of the biopiles will be dismantled and the clean soil (approximately 2000 yd³) will be backfilled into the excavation over the next several weeks. At this time some areas around the excavation will be regraded and lines from the existing groundwater recovery wells will be buried. All activities will occur on-site or at the top of the embankment on the east end of the site. Work will only be performed during daylight hours and not on weekends. These activities are expected to last for approximately four weeks.

The remaining biopiles have shown improvement towards meeting cleanup objectives and will continue to be operated through the winter.

Your input and continued cooperation is appreciated. Any questions that you may have regarding this work may be directed to any of the following individuals:

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE NUMBER</u>
Everett Rice (Construction Manager)	Stauffer Management Co.	(315)488-8059
Chris Goddard (Project Manager)	Stauffer Management Co.	(302)886-5528
David Chiusano (Project Manager)	NYSDEC	(518)457-7878
Ron Heerkens/Henri Hamel	NYSDOH	(315)426-7627

**NEW YORK STATE
DEPARTMENT OF**



**ENVIRONMENTAL
CONSERVATION**

Dear Interested Citizen:

We hope this Fact Sheet will help bring you up to date on activities at this site. If you have any questions or would like further information, please do not hesitate to contact:

Mr. David Chiusano
NYSDEC

Construction Project Manager
50 Wolf Road
Albany, NY 12233-7010
(518) 457- 7878

or

Mr. Chris Goddard
Stauffer Management Co.
1800 Concord Pike
Wilmington, DE 19850
(302) 886- 5528

or

for health related questions, contact the New York State Department of Health (NYSDOH) at the following:

Ms. Henriette Hamel
Regional Toxics Coordinator
NYSDOH, Syracuse
217 South Salina Street
Syracuse, NY 13202
(315) 426-7627

or

Mr. Mark VanDuesen
Health Liaison Program
NYSDOH
Flanigan Square, 547 River St.
Troy, NY 12180
1(800) 458-1158

FACT SHEET

MAESTRI SITE

Hazardous Waste Site # 7-34-025

State Fair Boulevard, Geddes, N.Y.

September 8, 1999

INTRODUCTION

This fact sheet has been prepared to outline completed, current and future activities associated with the Remedial Action (RA) of the Maestri Inactive Hazardous Waste Site in the Town of Geddes, Onondaga County, New York. The Maestri Site is located at 904 State Fair Boulevard. Cleanup of the site was necessary to address volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs) detected in soil and groundwater at the site.

The first phase of remediation began in 1996 and involved on-site soil remediation. Contaminated soils from the former drum disposal area were excavated and staged on-site for treatment in vented piles.

BACKGROUND

The site was used by a waste hauler to dispose of chemicals allegedly originating from the former Stauffer Chemical Company (SMC). An undisclosed number of drums were buried at the site in 1977. Some of the drums were removed in 1987. In 1988, a legal agreement between SMC and the New York State Department of Environmental Conservation (NYSDEC) was signed for an Interim Remedial Measure (IRM), and approximately 400 drums were excavated and removed from the property. A groundwater pump and treat system was constructed at that time and is still being operated and monitored. During the Remedial Investigation/Feasibility Study (RI/FS) more than 200 additional drums were found and disposed of off-site in 1994. A Record of Decision (ROD) for the site was signed on March 17, 1995. A Remedial Design was completed, and the soils were excavated and treated on-site. The on-site treatment of the soils was completed last month.

CURRENT ACTIVITIES

As the soils have now reached the remediation goals outlined within the ROD, the treated soil is being returned to the excavated areas and the site is being re-graded. Six (6) inches of clean soil will be placed over the site after re-grading and the area will then be seeded. Hay bales and silt fence will be placed around the site for erosion control. Several structures used during remedial construction activities on the site are being removed. These activities will be completed in September 1999. The groundwater pump and treat system will continue to operate and be maintained. The groundwater is currently being monitored and will continue to be monitored after the pump and treat system is shut down.

PLANNED FUTURE ACTIVITIES

Towards the end of September, two groundwater recovery wells on site will be replaced and treated for a small, remaining source area of contamination with a diluted mixture of hydrogen peroxide. The hydrogen peroxide mixture will chemically destroy the site contaminants. The chemical treatment process will be repeated in the spring of 2000 during higher groundwater table conditions. The sites monitoring and recovery wells will be sampled and monitored to ensure that there is no longer contamination. The groundwater treatment system will continue to operate until groundwater cleanup levels are achieved.

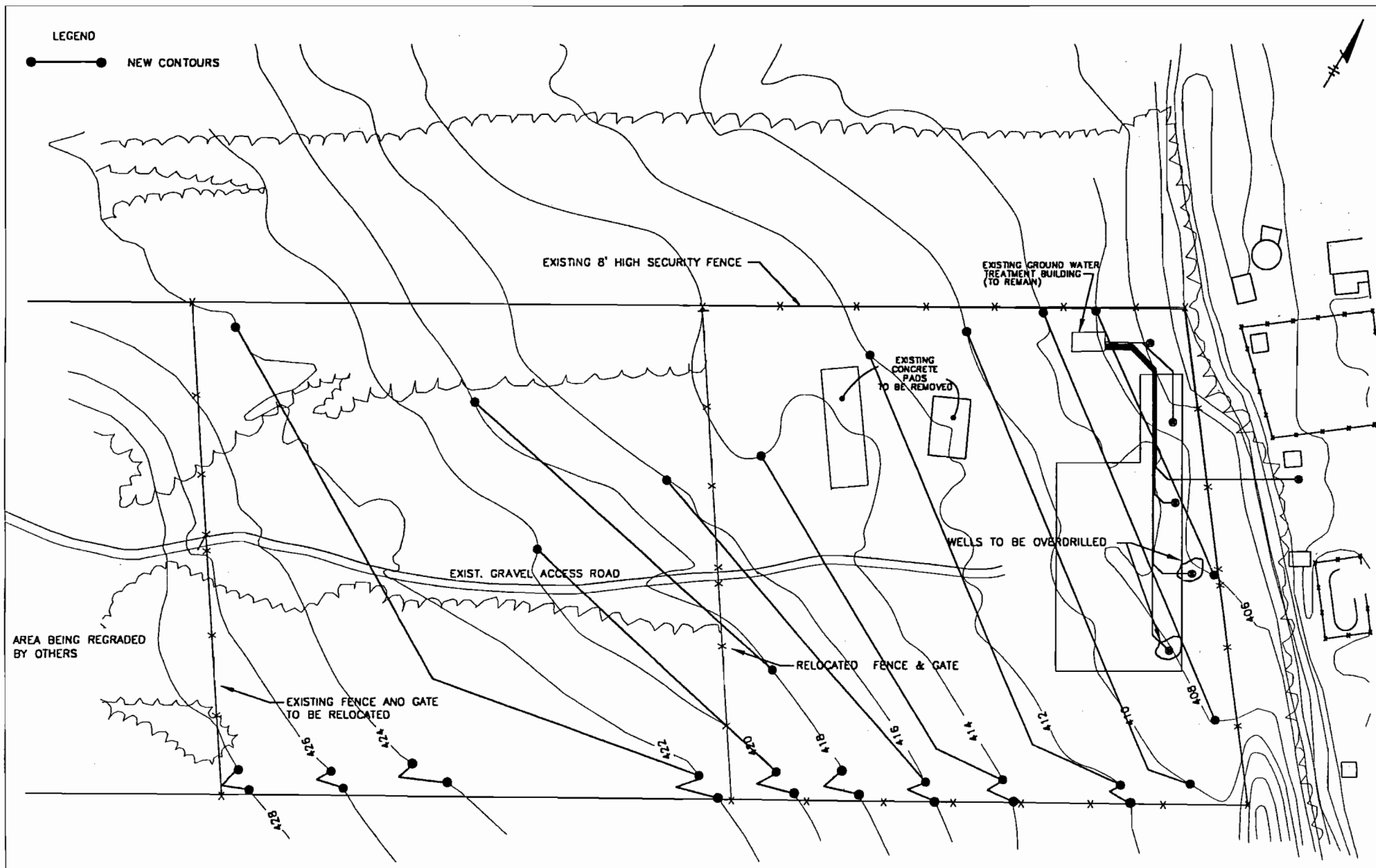
FOR MORE INFORMATION

We invite you to contact us at the addresses listed on the front of this sheet. In addition, we urge you to visit the sites Document Repositories where the ROD and other site related documents are available for your review. The Document Repositories that the NYSDEC has established for this site are located at the following locations:

NYSDEC - Region 7 Office
615 Erie Blvd. West
Syracuse, NY 13204
ATTN: John May
(315) 426-7551 (By Appointment)

NYSDEC - Central Office
Division of Environmental Remediation
50 Wolf Rd
Albany, NY 12233-7010
ATTN: David Chiusano
(518) 457-7878 (By Appointment)

Stauffer Management Company
1800 Concord Pike
Wilmington, DE 19850
ATTN: Chris Goddard
(302) 886-5528



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DATE: 08/18/99



NO.	REVISION	DATE	BY	CHKD.	APPD.
1	ISSUED	08/18/99	JLB	NS	JLB

DRAWING STATUS
PRELIMINARY
FOR REVIEW AND COMMENTS
O APPROVED
O APPROVED AS NARRATIVE
BY: DATE:

DATE	BY	CHKD.	APPD.
08/18/99	JLB	NS	JLB
08/18/99	NS	NS	JLB
08/18/99	NS	NS	JLB

STAUFFER MANAGEMENT COMPANY
MAESTRI SITE GEDDES, NEW YORK
SITE CLOSURE PLAN
FLAM, GRADING
SCALE: 1"=30'
DRAWING NO.: S-1
SHEET: 1 OF 1

Appendix F

Ambient Air Sampling and Monitoring



FLUOR DANIEL GTI

**STAUFFER MANAGEMENT COMPANY
AMBIENT AIR SAMPLING AND MONITORING
MAESTRI SITE, GEDDES, NEW YORK**

#3GMCReport\Maestr\airrpt.997

1245 Kings Road / Schenectady, NY 12303 USA (518) 370-5631 FAX (518) 370-5864



FLUOR DANIEL GTI

September 5, 1997

Mr. Christopher Goddard
Project Manager
Stauffer Management Company
1800 Concord Pike
Wilmington, DE 19850

**Subject: Ambient Air Sampling and Monitoring
Maestri Site, Geddes, New York**

Dear Mr. Goddard:

As per your request on Friday August 29, 1997 this letter details the site specific ambient air samples and monitoring results for the Maestri site during excavation of impacted soils and construction of the aboveground biopiles. Ambient air sampling results for total Volatile Organic Compounds (VOC), air borne particles, and Xylene detections in the ambient air have been transcribed onto spread sheets and graphs which are included as an attachment.

The on site real time monitoring consisted of two fundamental tasks. The initial task consisted of monitoring for Volatile Organic Compounds within the immediate vicinity of the excavation work zone. This was accomplished through the use of a Photoionization Detector (PID) and conducted three times daily at eight locations. As per the site specific Health and Safety Plan (HASP) a reading of 50 ppm or greater was the action level triggering a change in work protocol at the Maestri site. Illustrated in Table 1 and Graph A, it is shown that the highest level recorded for the eight locations over the approximate 28 weeks of site activity was 7.9 ppm. At no time during excavation or construction was the 50 ppm action level approached. The attached site map indicates the locations where air monitoring was performed.

The second real time monitoring activity consisted of monitoring for air borne particles (dust). This was accomplished through the use of a Miniram dust monitor. As designated in the HASP, the Maestri action level for dust was 2.5 mg/m³. Illustrated in Table 1 and Graph B, it is shown that the highest dust level recorded for the eight locations over the approximate 28 weeks of site activity was 1.06 mg/m³. At no time during excavation or construction was the 2.5 mg/m³ action level approached.

During excavation ambient air samples were taken daily at monitoring locations E and B (on the site map) to monitor xylene concentrations. Each sample was collected over an eight hour period using a pump which maintained a constant flow of air through the charcoal sampling tube. Tubes were then sent to Wisconsin Occupational Health Laboratories (WOHL) for analysis. The OSHA and NIOSH Permissible Exposure Limit (PEL) for xylene is 100 ppm over an eight hour period. Illustrated in Table 2, Graphs C and D it is shown that the PEL was never exceeded. The NYSDEC also has a regulatory standard for xylene concentrations which is published in the 1994 NYSDEC Air Guide 1 regulatory guide. The Maestri air sample data is also well below the required NYSDEC Short-term Guidance Concentration (SGC) of 22.6 ppm. The site air sample results and regulatory limits are illustrated in Table 2, Graphs C and D and clearly indicate that the SGC was never exceeded.

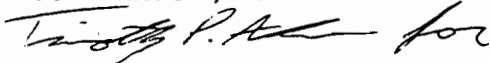
In addition to the attached tables and graphs I have included the xylene material safety data sheet (MSDS), 1994 Air Guide 1 regulatory tables and analytical data. The xylene MSDS was used to obtain

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the OSHA and NIOSH PEL and the analytical data applies to the charcoal collection tubes. Upon your review of the attached information do not hesitate to contact me should you have any questions or desire the data be assembled into some other presentation format.

Sincerely:

Fluor Daniel GTI, Inc.



Michael P. Sykes, P.E.
Project Manager

Attachment

c: Joe MacArthur, Stauffer Management Company
Todd Schwendeman, Fluor Daniel GTI, Inc.
Rick Gance, Fluor Daniel GTI, Inc.
Tim Ahrens, Fluor Daniel GTI, Inc.

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7. Analytical Data

**OUTSIDE-PERIMETER
AIR MONITORING DATA**

MAESTRI SITE
Geddes, New York
Air Monitoring - Outside Perimeter

Date	Time	Date+Time	Location A PID(ppm)	Location B PID(ppm)	Location C PID(ppm)	Location D PID(ppm)	Location E PID(ppm)	Location F PID(ppm)	Location G PID(ppm)	Location H PID(ppm)	PID Limits Level D	Location A ust(mg/m3)	Location B ust(mg/m3)	Location C ust(mg/m3)	Location D ust(mg/m3)	Location E ust(mg/m3)	Location F ust(mg/m3)	Location G ust(mg/m3)	Location H ust(mg/m3)	Dust Level D
Date	Time	Date+Time	Location A PID(ppm)	Location B PID(ppm)	Location C PID(ppm)	Location D PID(ppm)	Location E PID(ppm)	Location F PID(ppm)	Location G PID(ppm)	Location H PID(ppm)	PID Limits Level D	Location A ust(mg/m3)	Location B ust(mg/m3)	Location C ust(mg/m3)	Location D ust(mg/m3)	Location E ust(mg/m3)	Location F ust(mg/m3)	Location G ust(mg/m3)	Location H ust(mg/m3)	Dust Level D
06/18/96	05:30	35234.23	0	0	0	0	0	0			50									2.5
06/19/96	08:00	35235.33	0	0	0	0	0	0			50									2.5
06/19/96	17:00	35235.71	0	0	0	0	0	0			50									2.5
06/20/96	07:30	35236.31	0	0	0	0	0	0			50									2.5
06/20/96	16:00	35236.67	0	0	0	0	0	0			50									2.5
06/21/96	07:30	35237.31	0	0	0	0	0	0			50									2.5
06/21/96	16:00	35237.67	0	0	0	0	0	0			50									2.5
06/24/96	08:30	35240.35	0	0	0	0	0	0			50									2.5
06/24/96	16:00	35240.67	0	0	0	0	0	0			50									2.5
06/25/96	08:00	35241.33	0	0	0	0	0	0			50									2.5
06/25/96	16:00	35241.67	0	0	0	1.5	1.5	0.6			50									2.5
06/26/96	08:00	35242.33	0	0	0	0	0	0			50									2.5
06/26/96	16:00	35242.67	4.1	4.4	7.9	1.1	0	0			50									2.5
06/27/96	08:00	35243.25	0	0	0	0	0	0			50									2.5
06/27/96	15:00	35243.63	0.9	1.2	0.7	0	0	0			50									2.5
06/28/96	07:00	35244.29	0	0	0	0	0	0			50									2.5
06/28/96	15:00	35244.63	0	0	0	0	0	0			50									2.5
07/01/96	09:30	35247.4	0	0	0	0	0	0	0.2	0.5	50									2.5
07/02/96	12:00	35248.5	0	0	0	0	0	0	0	0	50									2.5
07/08/96	18:00	35254.67	0	0	0	0	0	0	0	0	50									2.5
07/09/96	08:00	35255.33	0	0	0	0	0.1	0	0	0	50									2.5
07/10/96	08:00	35256.33	0.5	0.8	0	0	0	0	0	0	50									2.5
07/11/96	16:40	35257.69	0	0	0	0	0	0	0	0	50									2.5
07/12/96	16:00	35258.67	0	0	0	0	0	0	0	0	50									2.5
07/15/96	18:15	35261.76	0	0	0	0	0	0	0	0	50									2.5
07/16/96	17:30	35262.73	0	1.1	0	0	0	0	0	0	50									2.5
07/17/96	18:00	35263.75	0	0	0	0	0	0	0	0	50									2.5
07/18/96	15:30	35264.65	0	0	0	0	0	0	0	0	50									2.5
07/19/96	07:00	35265.29	0	0	0	0	0	0	0	0	50									2.5
07/23/96	16:30	35269.69	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
07/24/96	15:30	35270.65	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
07/25/96	15:30	35271.65	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
07/26/96	14:00	35272.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
07/29/96	16:00	35275.67	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
07/30/96	15:00	35276.83	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
07/31/96	11:00	35277.46	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/01/96	12:00	35278.5	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/01/96	17:00	35278.71	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/02/96	10:30	35279.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0.1	0	0	2.5
08/02/96	14:25	35279.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/02/96	16:00	35279.67	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/05/96	13:15	35282.55	0	0	0	0	0	0			50	0.08	0.11	0.06	0.13	0.09	0.06			2.5
08/05/96	15:30	35282.65	0	0.1	0	0	0	0.1			50	0	0	0	0.09	0.13	0.11			2.5
08/05/96	17:15	35282.72	0	0	0	0	0	0.7			50	0	0	0	0.06	0.15	0.06			2.5
08/06/96	09:15	35283.39	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/06/96	13:15	35283.55	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/06/96	17:00	35283.71	0	0	0	0	0	0	0	0	50	0	0	0	0.06	0.14	0.04	0	0	2.5
08/07/96	08:00	35284.33	0	0	0	0	0	0			50	0	0	0	0	0	0			2.5
08/07/96	13:15	35284.55	0	0	0	0	0	0			50	0	0	0	0	0	0			2.5
08/07/96	17:00	35284.71	0	0	0	0	0	0			50	0	0	0	0	0	0			2.5
08/08/96	08:15	35285.34	0	0	0	0	0	0			50	0	0	0	0	0	0			2.5
08/08/96	12:45	35285.53	0	0	0	0	0	0			50	0	0	0	0	0	0			2.5
08/08/96	18:45	35285.78	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/09/96	09:00	35286.38	0	0	0	0	0	0	0	0	50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.5
08/09/96	11:30	35286.48	0	0	0	0	0	0	0	0	50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.5
08/09/96	15:30	35286.65	0	0	0	0	0	0	0	0	50	0	0	0	0.01	0.01	0.01	0	0	2.5

MAESTRI SITE
Geddes, New York
Air Monitoring - Outside Perimeter

Date	Time	Date+Time	Location A PID(ppm)	Location B PID(ppm)	Location C PID(ppm)	Location D PID(ppm)	Location E PID(ppm)	Location F PID(ppm)	Location G PID(ppm)	Location H PID(ppm)	PID Limits Level D	Location A ust(mg/m3)	Location B ust(mg/m3)	Location C Dust(mg/m3)	Location D Dust(mg/m3)	Location E Dust(mg/m3)	Location F Dust(mg/m3)	Location G Dust(mg/m3)	Location H Dust(mg/m3)	Dust Level D
08/12/96	09:00	35289.38	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/12/96	13:30	35289.56	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/12/96	15:00	35289.63	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/13/96	09:00	35290.38	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
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08/13/96	15:00	35290.63	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/14/96	08:00	35291.33	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/14/96	15:00	35291.63	0	0	0	0	0	0	0	0	50	0	0.01	0	0	0	0	0	0	2.5
08/14/96	17:30	35291.73	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/15/96	09:30	35292.4	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/15/96	13:30	35292.56	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/15/96	17:00	35292.71	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/19/96	07:30	35296.31	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/19/96	16:50	35296.7	0	0	0	0	0	0	0	0	50	0	0	0	0.01	0.01	0.01	0	0	2.5
08/19/96	18:35	35296.77	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/20/96	10:30	35297.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0.02	0.12	0	0	2.5
08/20/96	14:20	35297.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/20/96	16:40	35297.69	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/21/96	12:00	35298.5	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/21/96	13:40	35298.57	2	2	2	2	2	2	2	2	50	0	0	0	0	0	0	0	0	2.5
08/21/96	16:30	35298.69	2	2	2	2	2	2	2	2	50	0	0	0	0	0	0	0	0	2.5
08/23/96	09:15	35300.39	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/23/96	12:45	35300.63	0	0	0	0.7	0	0.7	0	0	50	0	0	0	0	0	0	0	0	2.5
08/23/96	15:15	35300.64	0	0	0	0.08	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/26/96	12:00	35303.5	1	1	1	0.7	0.7	0.7	0.5	0.5	50	0	0	0	0	0.1	0	0	0	2.5
08/26/96	17:40	35303.74	1	1	1	0.7	0.7	0.7	0.5	0.5	50	0	0	0	0	0.1	0	0	0	2.5
08/27/96	07:20	35304.31	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/27/96	13:00	35304.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/27/96	17:45	35304.74	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/28/96	10:15	35305.43	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/28/96	12:45	35305.53	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/28/96	18:15	35305.78	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/29/96	08:15	35306.34	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/29/96	13:15	35306.55	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/29/96	16:45	35306.7	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/30/96	11:30	35307.48	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
08/30/96	16:30	35307.69	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/03/96	08:00	35311.33	1.8	1.5	1.5	0.9	0.9	0.9	0	0	50	0.07	0.05	0.05	0	0.05	0.05	0.2	0.02	2.5
09/03/96	13:00	35311.54	0.09	0.09	0.09	0.3	0.3	0.6	0	0	50	0	0	0	0	0	0	0	0	2.5
09/04/96	08:05	35312.34	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	50	0	0	0	0	0	0	0	0	2.5
09/04/96	14:35	35312.61	0	0.3	0.7	0.7	1.6	1.1	0.7	0.5	50	0.91	0.89	0.87	0.81	0.89	0.91	0.94	0.89	2.5
09/04/96	18:30	35312.77	0	0.4	0	0	0.4	0	0	0	50	0	0	0	0.06	0	0	0	0	2.5
09/05/96	08:00	35313.33	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	50	0	0	0	0	0	0	0	0	2.5
09/05/96	14:30	35313.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	50	0	0	0	0	0	0	0	0	2.5
09/05/96	17:45	35313.74	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.6	50	0	0	0	0	0	0	0	0	2.5
09/06/96	09:05	35314.38	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/06/96	12:30	35314.52	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/06/96	17:25	35314.73	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/09/96	08:15	35317.34	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/09/96	14:15	35317.59	0	0	0	0	0	0	0	0	50	0	0.68	0.68	0.64	0.62	0.62	0.64	0.64	2.5
09/09/96	18:00	35317.75	0	0	0	0	0	0	0	0	50	0.98	1.01	1	1.06	1.06	1.04	0.98	0.94	2.5
09/10/96	07:40	35318.32	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/10/96	14:00	35318.58	0	0	0	0	0	0	0	0	50	0.24	0.28	0.39	0.18	0.12	0.09	0.22	0.28	2.5
09/10/96	17:36	35318.73	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/11/96	12:00	35319.5	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/16/96	08:00	35324.33	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/16/96	13:00	35324.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/16/96	18:30	35324.77	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/18/96	09:15	35326.39	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/18/96	13:15	35326.55	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/18/96	18:15	35326.76	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/19/96	09:05	35327.38	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/19/96	14:45	35327.61	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/19/96	18:15	35327.76	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5

MAESTRI SITE
Geddes, New York
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Date	Time	Date+Time	Location A PID(ppm)	Location B PID(ppm)	Location C PID(ppm)	Location D PID(ppm)	Location E PID(ppm)	Location F PID(ppm)	Location G PID(ppm)	Location H PID(ppm)	PID Limit Level D	Location A ust(mg/m3)	Location B ust(mg/m3)	Location C Dust(mg/m3)	Location D Dust(mg/m3)	Location E Dust(mg/m3)	Location F Dust(mg/m3)	Location G Dust(mg/m3)	Location H Dust(mg/m3)	Dust Level D
09/20/96	07:20	35328.31	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/20/96	11:10	35328.47	0	0	0	0	0	0	0	0	50	0	0	0	0	0.34	0	0	0	2.5
09/21/96	08:20	35329.35	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/21/96	11:30	35329.48	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/21/96	14:30	35329.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/23/96	08:30	35331.4	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/23/96	13:00	35331.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/23/96	17:30	35331.73	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/24/96	07:15	35332.3	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/24/96	11:45	35332.49	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/24/96	16:30	35332.89	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/25/96	07:30	35333.31	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/25/96	13:00	35333.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/25/96	16:00	35333.67	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/26/96	09:00	35334.38	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/26/96	12:00	35334.5	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/26/96	13:30	35334.56	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/27/96	00:00	35342	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/27/96	00:00	35348	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/27/96	17:30	35335.73	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/30/96	10:30	35338.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/30/96	14:30	35338.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
09/30/96	16:30	35338.69	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/01/96	09:00	35339.38	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/01/96	14:00	35339.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/03/96	09:37	35341.4	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/03/96	11:30	35341.48	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/03/96	17:40	35341.74	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/04/96	16:00	35342.67	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/04/96	18:00	35342.75	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/07/96	12:30	35345.52	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/07/96	17:30	35345.73	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/07/96	18:50	35345.83	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/08/96	08:00	35346.33	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/08/96	14:30	35346.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/08/96	18:20	35346.76	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/09/96	08:00	35347.33	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/09/96	13:00	35347.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/09/96	17:30	35347.73	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/10/96	11:00	35348.46	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/10/96	14:30	35348.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/10/96	18:30	35348.77	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/11/96	10:30	35349.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/11/96	14:00	35349.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/11/96	18:00	35349.75	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/14/96	11:00	35352.46	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/14/96	15:00	35352.63	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/14/96	18:30	35352.77	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/15/96	10:00	35353.42	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/15/96	14:30	35353.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/15/96	18:30	35353.77	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/16/96	10:00	35354.42	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/16/96	14:00	35354.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/16/96	18:00	35354.75	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/17/96	11:00	35355.46	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/17/96	14:00	35355.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/17/96	17:00	35355.71	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/18/96	08:30	35356.35	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/18/96	14:00	35356.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/18/96	17:30	35356.73	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/21/96	10:30	35359.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/21/96	14:30	35359.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/21/96	18:00	35359.75	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/22/96	10:30	35360.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/22/96	13:30	35360.56	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/22/96	16:00	35360.67	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5



MAESTRI SITE
Geddes, New York
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Date	Time	Date+Time	Location A PID(ppm)	Location B PID(ppm)	Location C PID(ppm)	Location D PID(ppm)	Location E PID(ppm)	Location F PID(ppm)	Location G PID(ppm)	Location H PID(ppm)	PID Limits Level D	Location A ust/(mg/m3)	Location B ust/(mg/m3)	Location C Dust(mg/m3)	Location D Dust(mg/m3)	Location E Dust(mg/m3)	Location F Dust(mg/m3)	Location G Dust(mg/m3)	Location H Dust(mg/m3)	Dust Level D
10/23/96	10:15	35361.43	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/23/96	14:30	35361.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/23/96	15:30	35361.65	0	0	0	3	3	3	0	0	50	0	0	0	0	0	0	0	0	2.5
10/24/96	10:00	35362.42	0.2	0.2	0	0.2	0.3	0.2	0	0	50	0	0	0	0	0	0	0	0	2.5
10/24/96	14:30	35362.6	0.2	0.3	0	0	0.2	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/24/96	16:30	35362.69	0.2	0.2	0.2	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/25/96	10:35	35363.44	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	50	0	0	0	0	0	0	0	0	2.5
10/25/96	13:25	35363.56	2.5	2.5	2.5	3	3	3	2.5	2.5	50	0	0	0	0	0	0	0	0	2.5
10/25/96	15:10	35363.63	3	3	3	3	3	3	2.5	2.5	50	0	0	0	0	0	0	0	0	2.5
10/28/96	17:00	35366.71	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/28/96	19:30	35366.81	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
10/29/96	11:00	35367.46	2	2	2	2	2	2	2	2	50	0	0	0	0	0	0	0	0	2.5
10/29/96	14:00	35367.58	2	2	2	2	2	2	2	2	50	0	0	0	0	0	0	0	0	2.5
10/29/96	17:30	35367.73	2	2	2	2	2	2	2	2	50	0	0	0	0	0	0	0	0	2.5
10/30/96	10:00	35368.42	2	2	2	2	2	2	2	2	50	0	0	0	0	0	0	0	0	2.5
10/30/96	14:30	35368.6	2	2	2	2	2	2	2	2	50	0	0	0	0	0	0	0	0	2.5
10/30/96	17:00	35368.71	2	2	2	2	2	2	2	2	50	0	0	0	0	0	0	0	0	2.5
10/31/96	11:15	35369.47	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
10/31/96	15:30	35369.65	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
10/31/96	17:20	35369.72	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/01/96	11:00	35370.46	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/01/96	14:15	35370.59	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/01/96	17:30	35370.73	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/02/96	11:15	35371.47	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/02/96	14:30	35371.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/02/96	15:45	35371.66	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/04/96	13:00	35373.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/05/96	10:20	35374.43	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/05/96	14:15	35374.59	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/05/96	17:00	35374.71	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/06/96	12:30	35375.32	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/06/96	14:40	35375.61	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/06/96	15:30	35375.65	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/07/96	10:30	35376.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/07/96	13:45	35376.57	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/07/96	14:50	35376.62	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/08/96	08:00	35377.33	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/12/96	09:00	35381.38	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/12/96	10:00	35381.42	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/12/96	11:15	35381.47	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/12/96	12:45	35381.53	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/12/96	13:30	35381.56	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/12/96	14:20	35381.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/12/96	15:30	35381.65	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/13/96	08:30	35382.35	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/13/96	09:00	35382.38	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/13/96	10:00	35382.42	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/13/96	10:30	35382.44	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/13/96	11:30	35382.48	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/13/96	12:35	35382.52	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/13/96	13:40	35382.57	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/13/96	14:45	35382.61	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50	0	0	0	0	0	0	0	0	2.5
11/14/96	10:00	35383.42	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/14/96	11:00	35383.46	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/14/96	12:00	35383.5	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/14/96	13:00	35383.54	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/14/96	14:00	35383.58	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/14/96	15:00	35383.63	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/14/96	16:00	35383.67	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5

MAESTRI SITE
Geddes, New York
Air Monitoring - Outside Perimeter

Date	Time	Date+Time	Location A PID(ppm)	Location B PID(ppm)	Location C PID(ppm)	Location D PID(ppm)	Location E PID(ppm)	Location F PID(ppm)	Location G PID(ppm)	Location H PID(ppm)	PID Limits Level D	Location A ust(mg/m3)	Location B ust(mg/m3)	Location C Dust(mg/m3)	Location D Dust(mg/m3)	Location E Dust(mg/m3)	Location F Dust(mg/m3)	Location G Dust(mg/m3)	Location H Dust(mg/m3)	Dust Level D
11/15/96	09:00	35384.38	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/15/96	10:00	35384.42	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/15/96	11:00	35384.46	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0.01	0	0	2.5
11/15/96	12:00	35384.5	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/15/96	14:00	35384.58	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/15/96	15:00	35384.63	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/15/96	16:00	35384.67	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/15/96	17:00	35384.71	1	1	1	1	1	1	1	1	50	0	0	0	0	0.01	0	0	0	2.5
11/16/96	09:00	35385.38	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/16/96	10:00	35385.42	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/16/96	11:00	35385.46	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/16/96	12:00	35385.5	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/16/96	13:00	35385.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/16/96	14:00	35385.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/16/96	15:00	35385.63	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/17/96	09:00	35386.38	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/17/96	10:00	35386.42	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/17/96	11:10	35386.47	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/17/96	12:00	35386.5	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/17/96	13:00	35386.54	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/17/96	14:00	35386.58	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/18/96	09:00	35387.38	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/18/96	10:00	35387.42	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/18/96	11:15	35387.47	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/18/96	12:20	35387.51	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/18/96	13:30	35387.56	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/18/96	14:30	35387.6	1	1	1	1	1	1	1	1	50	0	0	0	0	0	0	0	0	2.5
11/19/96	09:30	35388.4	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	10:30	35388.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	11:00	35388.46	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	11:30	35388.48	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	12:00	35388.5	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	12:30	35388.52	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	13:00	35388.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	13:30	35388.56	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	14:00	35388.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	14:30	35388.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	15:00	35388.63	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	15:30	35388.65	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	16:00	35388.67	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/19/96	16:30	35388.69	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	08:00	35389.33	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	08:30	35389.35	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	09:00	35389.38	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	09:30	35389.4	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	10:00	35389.42	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	10:30	35389.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	11:00	35389.46	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	11:30	35389.48	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	12:00	35389.5	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	12:30	35389.52	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	13:00	35389.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	13:30	35389.56	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	14:00	35389.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	14:30	35389.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	15:00	35389.63	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/20/96	15:30	35389.65	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/21/96	08:15	35390.34	0	0	0	0	0	0	0	0	50	0.93	0.3	0	0	0	0	0	0	2.5
11/21/96	11:30	35390.48	1.75	1.75	1.75	1.5	1.5	1.5	1.5	1.5	50	0	0	0.04	0	0	0	0.04	0.01	2.5



MAESTRI SITE
Geddes, New York
Air Monitoring - Outside Perimeter

Date	Time	Date+Time	Location A PID(ppm)	Location B PID(ppm)	Location C PID(ppm)	Location D PID(ppm)	Location E PID(ppm)	Location F PID(ppm)	Location G PID(ppm)	Location H PID(ppm)	PID Limits Level D	Location A ust(mg/m3)	Location B ust(mg/m3)	Location C Dust(mg/m3)	Location D Dust(mg/m3)	Location E Dust(mg/m3)	Location F Dust(mg/m3)	Location G Dust(mg/m3)	Location H Dust(mg/m3)	Dust Level D
11/22/96	09:00	35391.38	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/22/96	09:30	35391.4	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/22/96	10:00	35391.47	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/22/96	10:30	35391.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/22/96	11:00	35391.46	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/22/96	11:30	35391.48	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/22/96	12:00	35391.5	0	0	0	0	0	1.5	0	0	50	0	0	0	0	0	0	0	0	2.5
11/22/96	13:00	35391.54	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/22/96	13:30	35391.56	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/25/96	10:30	35394.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/25/96	14:15	35394.59	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/25/96	16:30	35394.69	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/26/96	11:15	35395.47	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/26/96	14:30	35395.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/26/96	15:00	35395.63	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
11/27/96	16:00	35396.67	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/02/96	17:00	35401.71	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/03/96	12:00	35402.5	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/03/96	15:00	35402.63	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/03/96	17:00	35402.71	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/04/96	10:45	35403.45	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/04/96	14:30	35403.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/04/96	15:40	35403.65	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/09/96	11:40	35408.49	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/09/96	14:30	35408.6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/09/96	17:00	35408.71	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/10/96	11:15	35409.47	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/10/96	14:00	35409.58	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/10/96	15:30	35409.65	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/11/96	10:40	35410.44	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/11/96	13:30	35410.56	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/11/96	15:00	35410.63	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/12/96	13:30	35411.56	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/12/96	14:45	35411.61	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5
12/12/96	15:30	35411.65	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2.5



AMBIENT AIR SAMPLING DATA

Table 2

Field ID #	Date	Analyte	Concentration (ppm)	Permissible Exposure Limit ppm
MDW01	08/02/97	Benzene	ND	1.00
		Toluene	ND	100
		Ethyl Benzene	ND	100
		Xylene	ND	100
MUW01	08/02/97	Benzene	ND	1.00
		Toluene	ND	100
		Ethyl Benzene	ND	100
		Xylene	ND	100
MAAN	08/08/96	Xylene	ND	100
MAAS	08/08/96	Xylene	ND	100
MAAP	08/08/96	Xylene	0.022	100
MAAN	08/15/96	Xylene	0.040	100
MAAS	08/15/96	Xylene	ND	100
MAAN	08/21/96	Xylene	ND	100
MAAS	08/21/96	Xylene	ND	100
MAAN	08/29/96	Xylene	ND	100
MAAS	08/29/96	Xylene	ND	100
MAAN	09/06/96	Xylene	ND	100
MAAS	09/06/96	Xylene	ND	100
MAAN	09/11/96	Xylene	ND	100
MAAS	09/11/96	Xylene	0.037	100
MAAN	09/16/96	Xylene	0.022	100
MAAS	09/16/97	Xylene	ND	100
MAAN	09/21/96	Xylene	ND	100
MAAS	09/21/96	Xylene	ND	100
MAAN	10/17/96	Xylene	0.005	100
MAAS	10/17/96	Xylene	ND	100
MAAN	10/22/96	Xylene	0.017	100
MAAS	10/22/96	Xylene	ND	100
MAAN	10/31/96	Xylene	ND	100
MAAS	10/31/96	Xylene	0.006	100
MAAN	11/05/96	Xylene	ND	100
MAAS	11/05/96	Xylene	ND	100
MAAN	11/12/96	Xylene	ND	100
MAAS	11/12/96	Xylene	ND	100
MAAN	11/18/96	Xylene	ND	100
MAAS	11/18/96	Xylene	ND	100
MAAN	11/25/96	Xylene	ND	100
MAAS	11/25/96	Xylene	ND	100
MAAN	12/03/96	Xylene	ND	100
MAAS	12/03/96	Xylene	ND	100
MAAN	12/10/96	Xylene	ND	100
MAAS	12/10/96	Xylene	ND	100
MAAN	12/18/96	Xylene	ND	100
MAAS	12/18/96	Xylene	ND	100
MAAN	12/23/96	Xylene	0.065	100
MAAS	12/23/96	Xylene	ND	100
MAAN	01/02/96	Xylene	ND	100
MAAS	01/02/96	Xylene	ND	100

MAAS= Maestri Ambient Air South

MAAN= Maestri Ambient Air North

MAAP= Maestri Ambient Air P.M.

MDW01= Maestri Down Wind -01

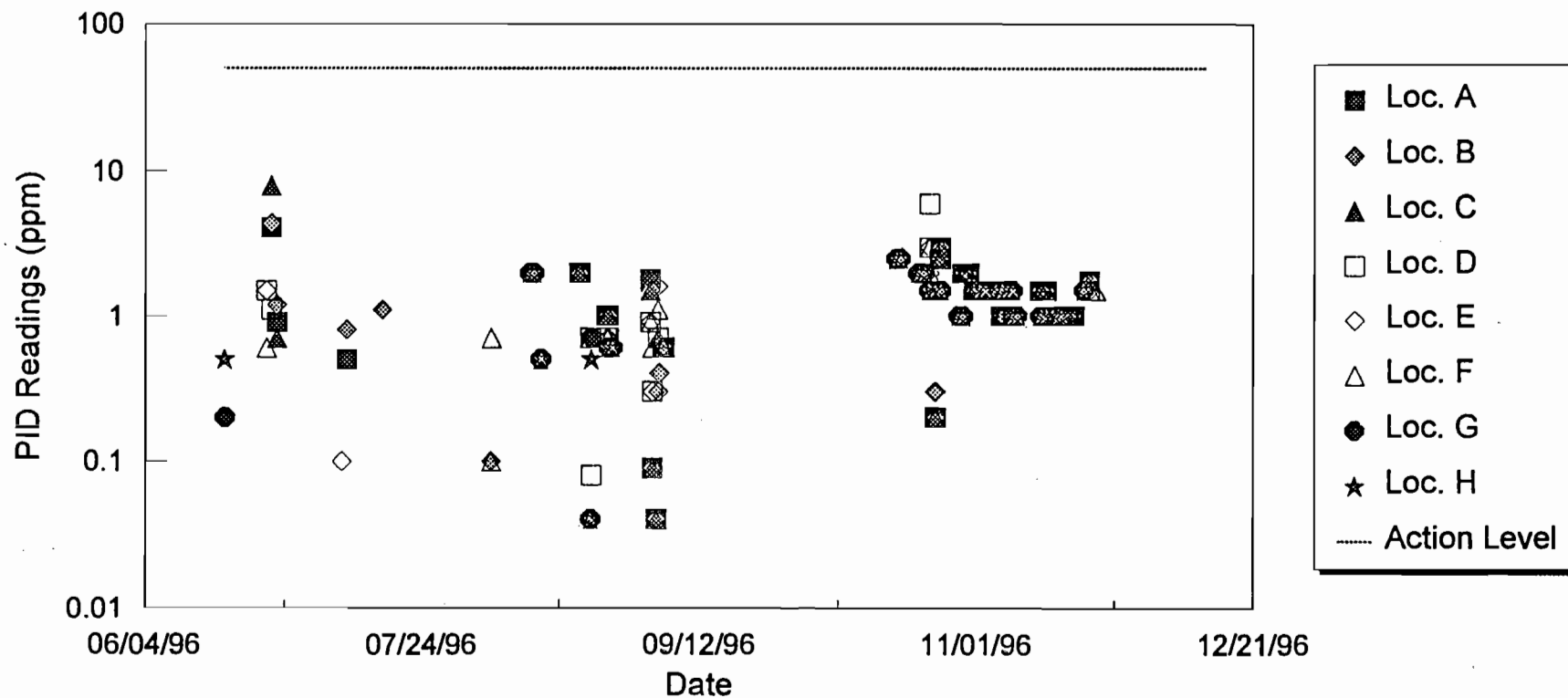
MUW01= Maestri Up Wind -01



GRAPHS

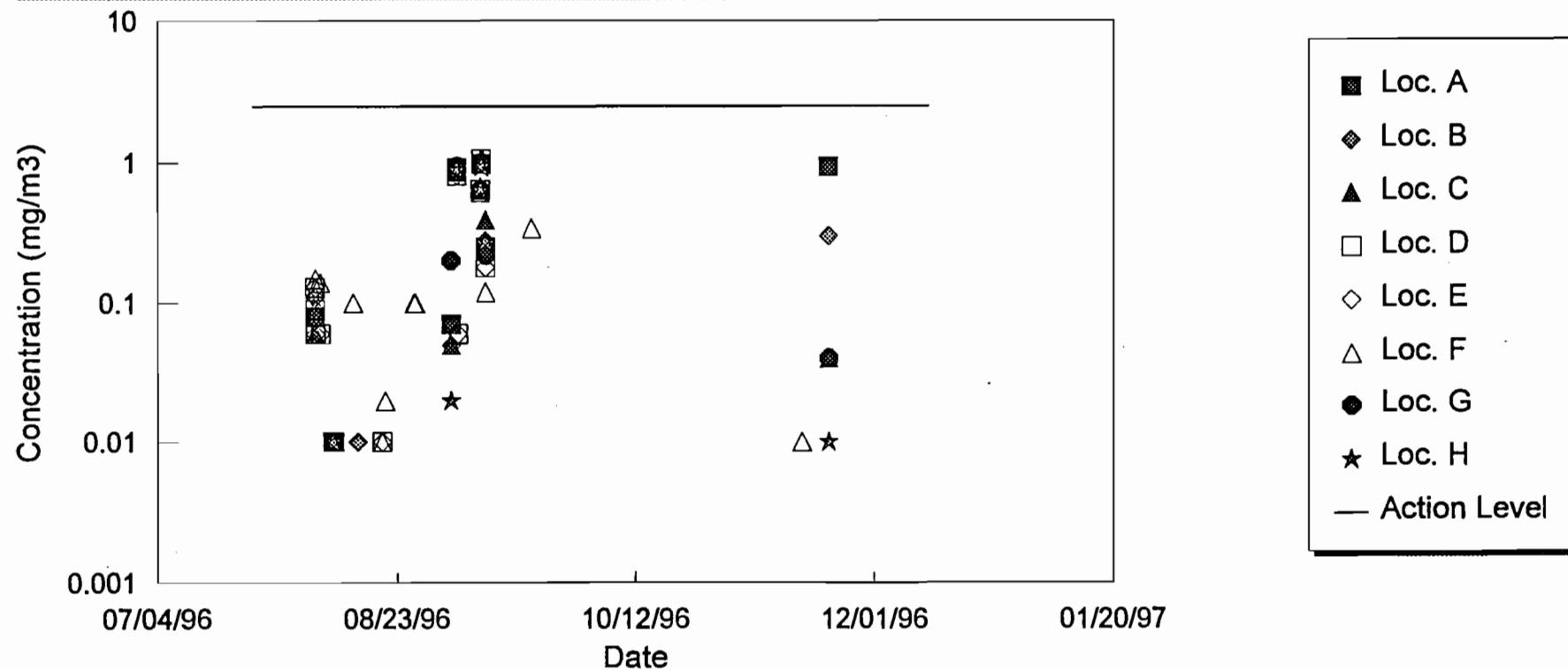
GRAPH A - MAESTRI SITE, GEDDES, NEW YORK

PID AIR MONITORING DATA



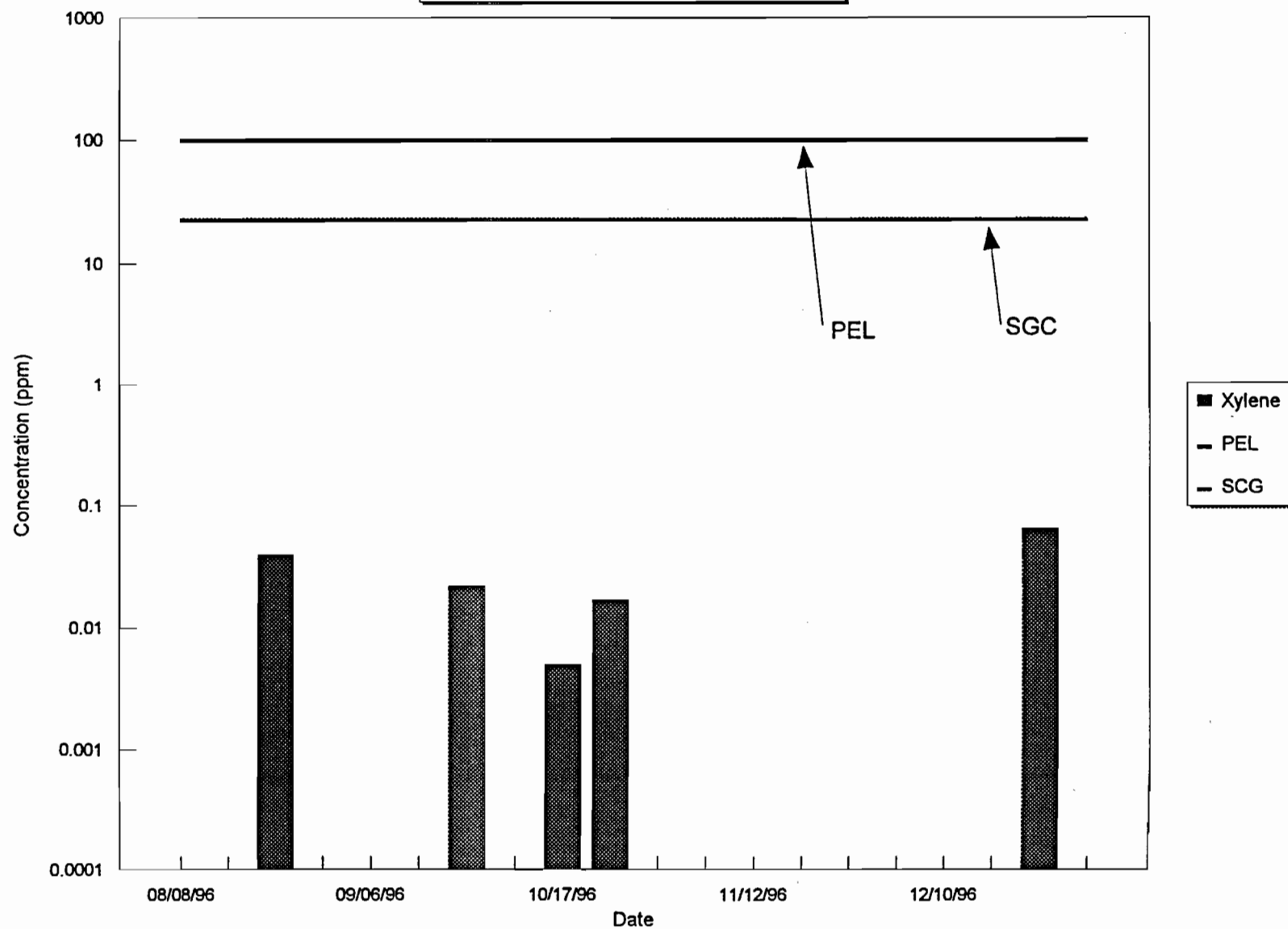
GRAPH B - MAESTRI SITE, GEDDES, NEW YORK

DUST AIR MONITORING DATA



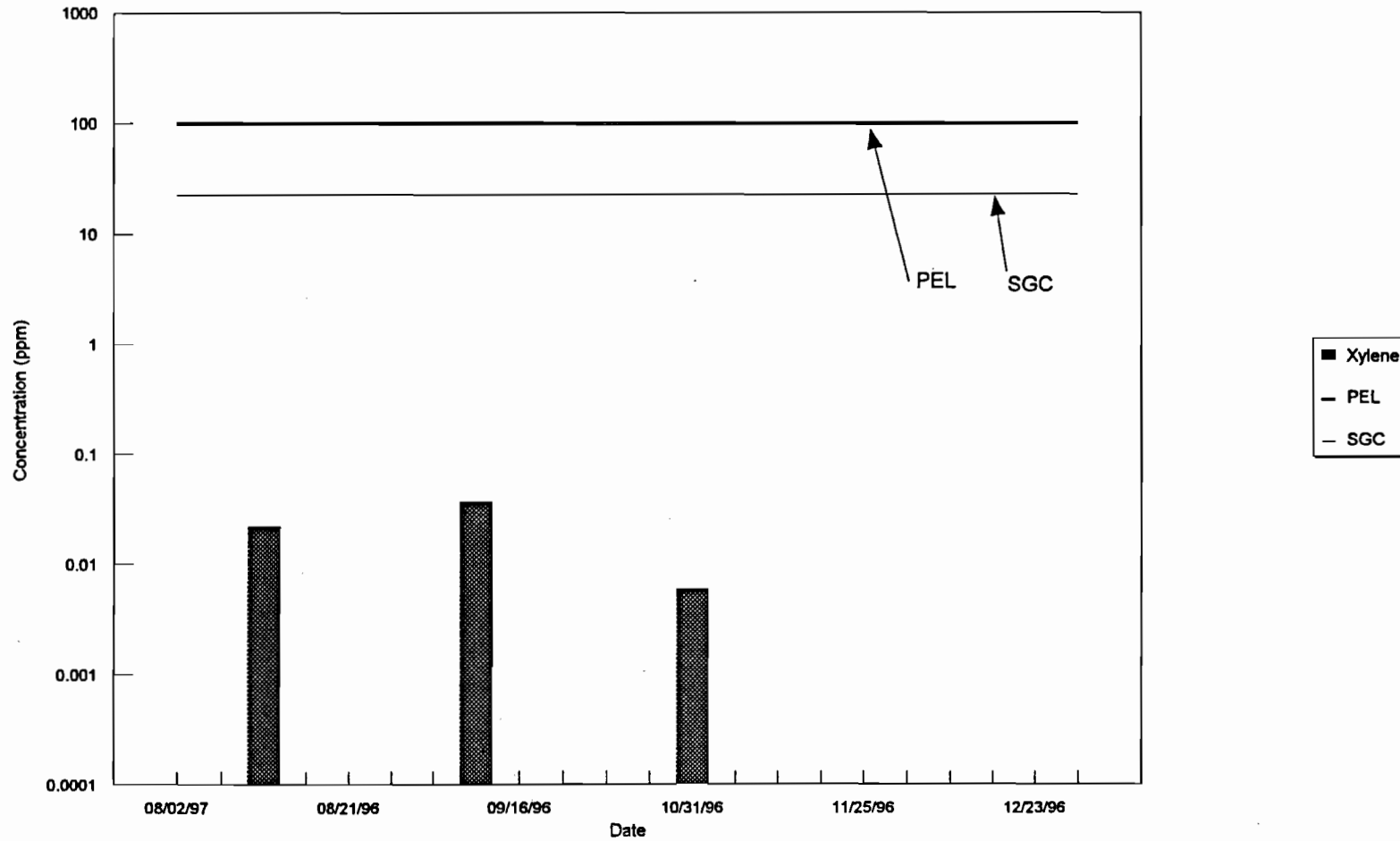
Graph C

Maestri Ambient Air Samples at North Location

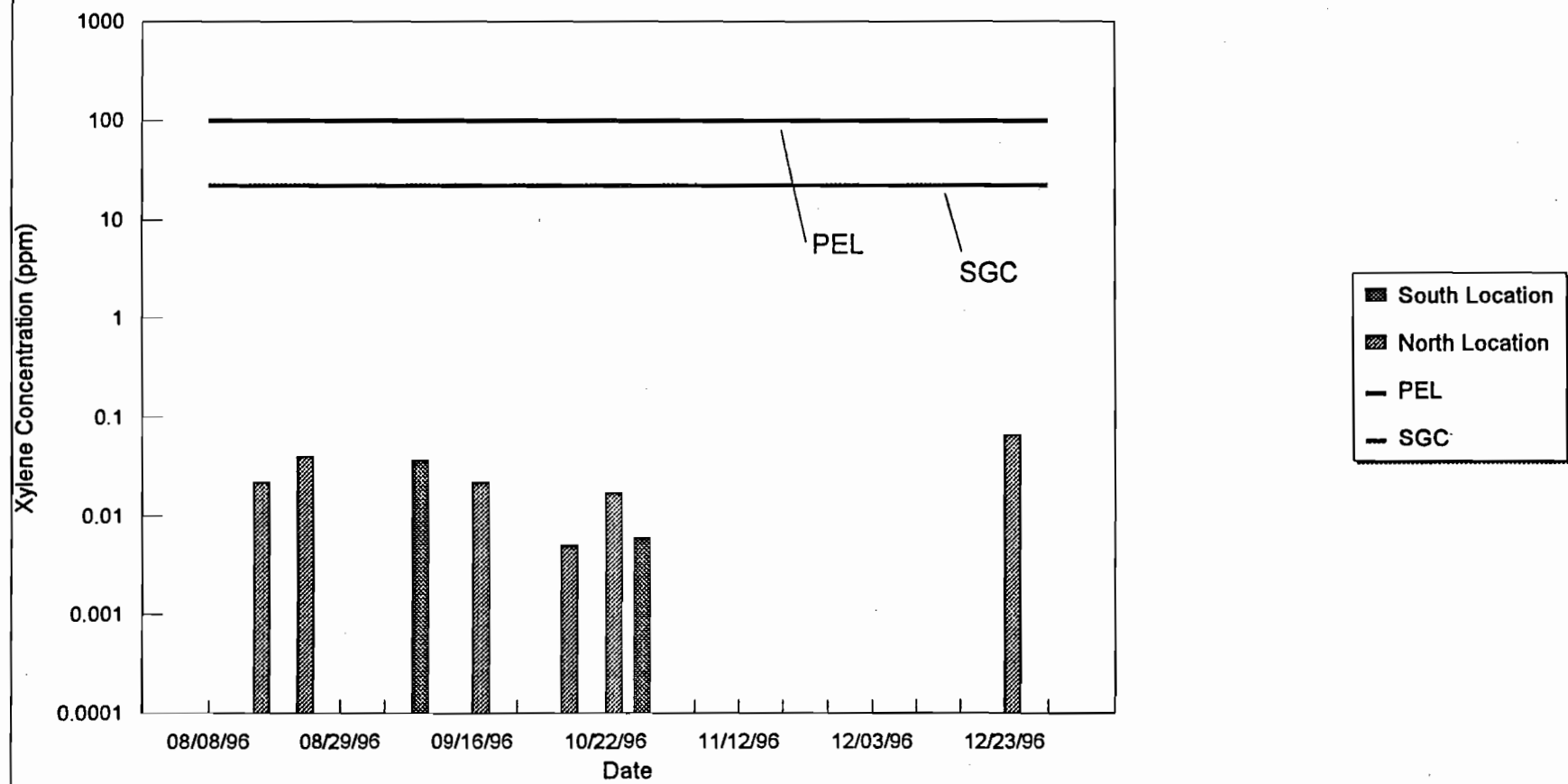


Graph D

Maestri Ambient Air Samples at South Location



Graph E - North and South Locations



MONITORING LOCATION MAP

XYLENE MSDS SHEET



Genium Publishing Corporation

One Genium Plaza
Schenectady, NY 12304-4690 USA
(518) 377-8854

Material Safety Data Sheets Collection:

Sheet No. 318
Xylene (Mixed Isomers)

Issued: 11/80 Revision: E. 9/92 Errata: 12/94

Section 1. Material Identification

Xylene (Mixed Isomers) (C_8H_{10}) Description: The commercial product is a blend of the three isomers (*ortho*-(*o*-), *meta*-(*m*-), *para*-(*p*-)) with the largest proportion being *m*-xylene. Xylene is obtained from coal tar, toluene by transalkylation, and pseudocumene. Used in the manufacture of dyes, resins, paints, varnishes, and other organics; as a general solvent for adhesives, a cleaning agent in microscope technique; as a solvent for Canada balsam microscopy; as a fuel component; in aviation gasoline, protective coatings, sterilizing catgut, hydrogen peroxide, perfumes, insect repellants, pharmaceuticals, and the leather industry; in the production of phthalic anhydride, isophthalic, and terephthalic acids and their dimethyl esters which are used in the manufacture of polyester fibers; and as an indirect food additive as a component of adhesives. Around the home, xylene is found as vehicles in paints, paint removers, degreasing cleaners, lacquers, glues and cements and as solvent/vehicles for pesticides.

Other Designations: CAS No. 1330-20-7 [95-47-6; 108-38-3; 106-42-3 (*o*-, *m*-, *p*-isomers)], dimethylbenzene, methyltoluene, NCI-C55232, Violet 3, xylol.

Manufacturer: Contact your supplier or distributor. Consult latest *Chemical Week Buyers' Guide*⁽⁷³⁾ for a suppliers list.

Cautions: Xylene is an eye, skin, and mucous membrane irritant and may be narcotic in high concentrations. It is a dangerous fire hazard.

R	1	NFPA
I	2	
S	2	
K	3	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 3 2 0 - </div>		
HMIS		
H	2†	
F	3	
R	0	
PPE ‡		
† Chronic Effects		
‡ Sec. 8		

Section 2. Ingredients and Occupational Exposure Limits

Xylene (mixed isomers): the commercial product generally contains ~ 40% *m*-xylene; 20% each of *o*-xylene, *p*-xylene, and ethylbenzene; and small quantities of toluene. Unpurified xylene may contain pseudocumene.

1991 OSHA PELs

8-hr TWA: 100 ppm (435 mg/m³)
15-min STEL: 150 ppm (655 mg/m³)

1990 IDLH Level

1000 ppm

1990 NIOSH RELs

TWA: 100 ppm (435 mg/m³)
STEL: 150 ppm (655 mg/m³)

1992-93 ACGIH TLVs

TWA: 100 ppm (434 mg/m³)
STEL: 150 ppm (651 mg/m³)
BEI (Biological Exposure Index): Methylhippuric acids in urine at end of shift: 1.5 g/g creatinine

1990 DFG (Germany) MAK

TWA: 100 ppm (440 mg/m³)
Category II: Substances with systemic effects
Half-life: < 2 hr
Peak Exposure: 200 ppm, 30 min, average value, 4 peaks per shift

1985-86 Toxicity Data*

Human, inhalation, TC_{Lo}: 200 ppm produced olfaction effects, conjunctiva irritation, and other changes involving the lungs, thorax, or respiration.
Man, inhalation, LC_{Lo}: 10000 ppm/6 hr; toxic effects not yet reviewed.
Human, oral, LD_{Lo}: 50 mg/kg; no toxic effect noted.
Rat, oral, LD₅₀: 4500 mg/kg; toxic effect not yet reviewed.
Rat, inhalation, LC₅₀: 5000 ppm/4 hr; toxic effects not yet reviewed.

* See NIOSH, RTECS (XE2100000), for additional toxicity data.

Section 3. Physical Data

Boiling Point Range: 279 to 284 °F (137 to 140 °C)*
Boiling Point: *ortho*: 291 °F (144 °C); *meta*: 281.8 °F (138.8 °C);
para: 281.3 °F (138.5 °C)
Freezing Point/Melting Point: *ortho*: -13 °F (-25 °C);
meta: -53.3 °F (-47.4 °C); *para*: 55 to 57 °F (13 to 14 °C)
Vapor Pressure: 6.72 mm Hg at 70 °F (21 °C)
Saturated Vapor Density (Air = 1.2 kg/m³): 1.23 kg/m³, 0.077 lbs/ft³

Appearance and Odor: Clear, sweet-smelling liquid.

* Materials with wider and narrower boiling ranges are commercially available.

Molecular Weight: 106.16
Specific Gravity: 0.864 at 20 °C/4 °C
Water Solubility: Practically insoluble
Other Solubilities: Miscible with absolute alcohol, ether, and many other organic liquids.
Octanol/Water Partition Coefficient: logKow = 3.12-3.20
Odor Threshold: 1 ppm
Viscosity: <32.6 SUS

Section 4. Fire and Explosion Data

Flash Point: 63 to 77 °F (17 to 25 °C) CC | Autoignition Temperature: 982 °F (527 °C) (*m*-) | LEL: 1.1 (*m*-, *p*-); 0.9 (*o*-) | UEL: 7.0 (*m*-, *p*-); 6.7 (*o*-)

Extinguishing Media: For small fires, use dry chemical, carbon dioxide (CO₂), water spray or regular foam. For large fires, use water spray, fog or regular foam. Water may be ineffective. Use water spray to cool fire-exposed containers. Unusual Fire or Explosion Hazards: Xylene vapors or liquid (which floats on water) may travel to an ignition source and flash back. The heat of fire may cause containers to explode and/or produce irritating or poisonous decomposition products. Xylene may present a vapor explosion hazard indoors, outdoors, or in sewers. Accumulated static electricity may occur from vapor or liquid flow sufficient to cause ignition. Special Fire-fighting Procedures: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode. Structural firefighter's protective clothing will provide limited protection. If feasible and without risk, move containers from fire area. Otherwise, cool fire-exposed containers until well after fire is extinguished. Stay clear of tank ends. Use unmanned hose holder or monitor nozzles for massive cargo fires. If impossible, withdraw from area and let fire burn. Withdraw immediately in case of any tank discoloration or rising sound from venting safety device. Do not release runoff from fire control methods to sewers or waterways.

Section 5. Reactivity Data

Stability/Polymerization: Xylene is stable at room temperature in closed containers under normal storage and handling conditions. Hazardous polymerization cannot occur. Xylene is easily chlorinated, sulfonated, or nitrated. Chemical Incompatibilities: Incompatibilities include strong acids and oxidizers and 1,3-dichloro-5,5-dimethyl-2,4-imidazolidindione (dichlorohydrantoin). Xylene attacks some forms of plastics, rubber, and coatings. Conditions to Avoid: Avoid heat and ignition sources and incompatibles. Hazardous Products of Decomposition: Thermal oxidative decomposition of xylene can produce carbon dioxide, carbon monoxide, and various hydrocarbon products.

Section 6. Health Hazard Data

Carcinogenicity: The IARC⁽¹⁶⁴⁾ NTP⁽¹⁶⁹⁾ and OSHA⁽¹⁶⁴⁾ do not list xylene as a carcinogen. Summary of Risks: Xylene is an eye, mucous membrane, and respiratory tract irritant. Irritation starts at 200 ppm; severe breathing difficulties which may be delayed in onset can occur at high concentrations. It is a central nervous system (CNS) depressant and at high concentrations can cause coma. Kidney and liver damage can occur with xylene exposure. With prolonged or repeated cutaneous exposure, xylene produces a defatting dermatitis. Chronic toxicity is not well defined, but it is less toxic than benzene. Prior to the 1950s, benzene was often found as a contaminant of xylene and the effects attributed to xylene such as blood dyscrasias are questionable. Since the late 1950s, xylenes have been virtually benzene-free and blood dyscrasias have not been associated with xylenes. Chronic exposure to high concentrations of xylene in animal studies have demonstrated mild reversible decrease in red and white cell counts as well as increases in platelet counts.

Continue on next page

Section 6. Health Hazard Data, continued

menstrual irregularity was reported in association with workplace exposure to xylene perhaps due to effects on liver metabolism. Xylene crosses the human placenta, but does not appear to be teratogenic under conditions tested to date. Medical Conditions Aggravated by Long-Term Exposure: CNS, respiratory, eye, skin, gastrointestinal (GI), liver and kidney disorders. Target Organs: CNS, eyes, GI tract, liver, kidneys, and skin. Entry Routes: Inhalation, skin absorption (slight), eye contact, ingestion. Acute Effects: Inhalation of high xylene concentrations may cause dizziness; nausea, vomiting, and abdominal pain; eye, nose, and throat irritation; respiratory tract irritation leading to pulmonary edema (fluid in the lungs); drowsiness; and unconsciousness. Direct eye contact can result in conjunctivitis and corneal burns. Ingestion may cause a burning sensation in the oropharynx and stomach and transient CNS depression. Chronic Effects: Repeated or prolonged skin contact may cause drying and defatting of the skin leading to dermatitis. Repeated eye exposure to high vapor concentrations may cause reversible eye damage, peripheral and central neuropathy, and liver damage. Other symptoms of chronic exposure include headache, fatigue, irritability, chronic bronchitis, and GI disturbances such as nausea, loss of appetite, and gas.

RST AID Emergency personnel should protect against exposure. Eyes: Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush immediately and continuously with flooding amounts of water until transported to an emergency medical facility. Consult a physician immediately. Skin: Quickly remove contaminated clothing. Rinse with flooding amounts of water for at least 15 min. Wash exposed area with soap and water. For reddened or blistered skin, consult a physician. Carefully dispose of contaminated clothing as it may pose a fire hazard. Inhalation: Move exposed person to fresh air and support breathing as needed. Monitor exposed person for respiratory distress. Ingestion: Never give anything by mouth to an unconscious or convulsing person. Contact a poison control center and unless otherwise advised, do not induce vomiting! If spontaneous vomiting should occur, keep exposed person's head below the hips to prevent aspiration (breathing liquid xylene into the lungs). Aspiration of a few millimeters of xylene can cause chemical pneumonitis, pulmonary edema, and hemorrhage. Note to Physicians: Hippuric acid, the ether glucuronide of ortho-toluic acid may be useful in diagnosis of meta-, para- and ortho-xylene exposure, respectively. Consider gastric lavage if a large quantity of xylene was ingested. Proceed gastric lavage with protection of the airway from aspiration; consider endotracheal intubation with inflated cuff.

Section 7. Spill, Leak, and Disposal Procedures

Spill/Leak: Notify safety personnel, evacuate all unnecessary personnel, remove all heat and ignition sources, and ventilate spill area. Cleanup personnel should protect against vapor inhalation and skin or eye contact. If feasible and without undue risk, stop leak. Use appropriate foam to blanket release and suppress vapors. Water spray may reduce vapor, but does not prevent ignition in closed spaces. For small spills, absorb on paper and evaporate in appropriate exhaust hood or absorb with sand or some non-combustible absorbent and place in containers for later disposal. For large spills, dig a dike far ahead of liquid to contain. Do not allow xylene to enter a confined space such as sewers or drains. On land, dike to contain or divert to impermeable holding area. Apply water spray to control flammable vapor and remove material with pumps or vacuum equipment. On water, contain material with natural barriers, booms, or weirs; apply universal gelling agent; and use suction hoses to remove spilled material. Report any release in excess of 1000 lb. Follow applicable OSHA regulations (29 CFR 1910.120). Environmental Transport: Little bioconcentration is expected. Biological oxygen demand 5 (after 5 days at 20 °C): 0.64 (no stated isomer). Ecotoxicity values: LD₅₀ Goldfish, 13 mg/L/24 hr, conditions of bioassay not specified, no specific isomer. Environmental Degradation: In the atmosphere, xylenes degrade by reacting with photochemically produced hydroxyl radicals with a half-life ranging from 1-1.7 hr. in the summer to 10-18 hr in winter or a typical loss of 67-86% per day. Xylenes are resistant to hydrolysis. Soil Absorption/Mobility: Xylenes have low to moderate adsorption to soil and when spilled on land, will volatilize and leach into groundwater. Disposal: As a hydrocarbon, xylene is a good candidate for controlled incineration. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Designations
A Extremely Hazardous Substance (40 CFR 355): Not listed
Listed as a SARA Toxic Chemical (40 CFR 372.65)

Listed as a RCRA Hazardous Waste (40 CFR 261.33): No. U239, F003 (spent solvent)

Listed as a CERCLA Hazardous Substance* (40 CFR 302.4): Final Reportable Quantity (RQ), 1000 lb (454 kg) [* per Clean Water Act, Sec. 311(b)(4); per RCRA, Sec. 3001]

OSHA Designations

Listed as an Air Contaminant (29 CFR 1910.1000, Table Z-1-A)

Section 8. Special Protection Data

Goggles: Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Because contact lens use in industry is controversial, establish your own policy. **Respirator:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. For concentrations >1000 ppm, use any chemical cartridge respirator with organic vapor cartridges; any powered, air-purifying respirator with organic vapor cartridges; any supplied-air respirator; or any self-contained breathing apparatus. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. **Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.** Other: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent all skin contact. With breakthrough times > 8 hr, consider polyvinyl alcohol and fluorocarbon rubber (Viton) as materials for PPE. **Ventilation:** Provide general and local exhaust ventilation systems to maintain airborne concentrations below the OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.⁽¹⁰³⁾ **Safety Stations:** Make available in the work area emergency eyewash stations, safety/quick-drench showers, and flushing facilities. **Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder contaminated work clothing before wearing. Remove this material from your shoes and clean PPE. **Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9. Special Precautions and Comments

Storage Requirements: Store in clearly labelled, tightly closed, containers in a cool, well-ventilated place, away from strong oxidizing materials and heat and ignition sources. During transferring operations, electrically ground and bond metal containers. **Engineering Controls:** To reduce potential health hazards, use sufficient dilution or local exhaust ventilation to control airborne contaminants and to maintain concentrations at the lowest practical level. Use hermetically sealed equipment, transfer xylene in enclosed systems, avoid processes associated with open evaporating surfaces, and provide sources of gas release with enclosures and local exhaust ventilation. Use Class I, Group D electrical equipment. **Administrative Controls:** Establish air and biological monitoring programs and evaluate regularly. Consider preplacement and periodic medical examinations including a complete blood count, a routine urinalysis, and liver function tests. Consider hematologic studies if there is any significant contamination of the solvent with benzene. If feasible, consider the replacement of xylene by less toxic solvents such as petrol (motor fuel) or white spirit. Before carrying out maintenance and repair work, steam and flush all equipment to remove any xylene residues.

Transportation Data (49 CFR 172.101)

DOT Shipping Name: Xylenes

DOT Hazard Class: 3

Id.: UN1307

Packing Group: II

DOT Label: Flammable Liquid

Special Provisions (172.102): T1

Packaging Authorizations

a) Exceptions: 173.150

b) Nonbulk Packaging: 173.202

c) Bulk Packaging: 173.242

Quantity Limitations

a) Passenger, Aircraft, or Railcar: 5L

b) Cargo Aircraft Only: 60L

Vessel Stowage Requirements

a) Vessel Stowage: B

b) Other: -

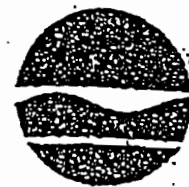
SDS Collection References: 26, 73, 89, 100, 101, 103, 124, 126, 127, 132, 133, 136, 139, 140, 148, 149, 153, 159, 163, 164, 167, 171, 174, 176, 180.

Prepared by: MJ Wurth, BS; Industrial Hygiene Review: PA Roy, MPH, CIH; Medical Review: W Silverman, MD

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NEW YORK STATE AIR GUIDE 1





Langdon Marsh
Acting Commissioner

April 4, 1994

MEMORANDUM

TO: Air Guide-1 Software Program User's
FROM: Eric Wade, Bureau of Application Review and Permitting (BARP)
SUBJECT: Complete Listing of AGCs, SGCs & Air Quality Standards.

Attached to this memo are two printouts of the AGC/SGC guideline values used by the Air Guide-1 software program. One of these printouts is sorted alphabetically by contaminant name; the other sorted numerically by CAS number. Both printouts include all AGCs, SGCs & air quality standards listed, or incorporated by reference, in Air Guide-1. The listing is currently up-to-date as it was derived from the most recent toxicological data and includes the 1993-94 ACGIH TLV-TWA values.

Please note, the attached listings include some unofficial interim AGC & SGC values and bogus CAS numbers (e.g., "FLUORIDE"). These bogus CAS numbers are used for structure-activity analogies or cross-referencing by the AGC/SGC assignment program. Excluding the Moderate Toxicity *de minimis* value, all unofficial interim AGC/SGC assignments are identified by lower case letters (o, s, u) describing "HOW" the AGC, or SGC, was derived. Also unofficial, is the software program's High Toxicity *de minimis* value. The High Toxicity *de minimis* value was chosen so that almost all sources emitting the contaminant would fail the AG-1 screening procedures.

The critical differences between the attached printouts and the official Appendix C listing are discussed below. These differences are also discussed in Section III.F.1 of the User's Guide for the Air Guide-1 software program.

(1) Air Quality Standards. (S)

Sources of contaminants must meet all Federal and State Air Quality Standards. These standards are excluded from Tables II, III and IV of Appendix C because they are not guideline values. As such, they are listed in Table I of the same document. The NYS hydrocarbon standard is excluded from Table I as it has been targeted for repeal.

In the AG-1 software program, it makes no difference whether a criteria value is a standard or guideline limit. Appendix C separates the standards and guideline values to emphasize the difference. Standards must be maintained, whereas guideline values represent limits for determining control requirements. Either way, both must be assessed.

When a standard for a specific contaminant exists, that standard is listed in the attached printouts if based on an hourly or annual averaging period. For example, both the hourly carbon monoxide and annual sulfur dioxide standards are listed in the attached printouts and are identified by the capital letter "S" (HOW derived).

When a standard exists for a group of contaminants (e.g., particulate or fluorides), both the standard and contaminant specific AGC/SGC apply. However, one of these values is critical. That critical value is listed

DATE: 04/05/94

AIR GUIDE-1 AGCs/SGCs

Page 19

-----codes-----

111111

W.T 123456789012345

CHEMICAL NAME	CAS NUMBER	NEOS CODE	TOXIC ELEMENT	SGC ug/m3	W	AGC ug/m3	W.T
TRICHLOROACETIC ACID	00076-03-9	4		1600.0	T	16.0	T
TRICHLOROETHANE, 112	00079-00-5	4		13000.0	T	6.0E-02	E H U
TRICHLOROETHYLENE	00079-01-6	4		33000.0	R	4.5E-01	D H U
TRICHLOROFLUOROMETHANE	00075-69-4	6		560000.0	T	700.0	E L C
TRICHLORONAPHTHALENE	01321-65-9	4		1200.0	T	12.0	T
TRICHLOROPHENOL, 245	00095-95-4	6		---		350.0	o
TRICHLOROPHENOL, 246	00088-06-2	6		---		3.2E-01	U. U
TRICHLOROPROPANE, 123	00096-18-4	4		14000.0	T	140.0	T
TRIDECANE	00629-50-5	4		250000.0	A	18000.0	D L R
TRIETHANOLAMINE	00102-71-6	4		1200.0	T	12.0	T
TRIETHYLAMINE	00121-44-8	4		980.0	P	9.8	P
TRIETHYLENETETRAAMINE	00112-24-3	4		1000.0	A	10.0	A H RR
TRIFLUOROBROMOMETHANE	00075-63-8	4		1500000.0	T	14000.0	T
TRIFLURALIN	01582-09-8	4		---		1.0E-01	d H
TRIMELLITIC ANHYDRIDE	00552-30-7	4		4.0	T	9.5E-02	T C
TRIMETHOXYSILOXANE	02487-90-3	4		1400.0	A	14.0	A H RR
TRIMETHYL BENZENE	25551-13-7	4		29000.0	T	290.0	T H
TRIMETHYL PHOSPHITE	00121-45-9	4		2400.0	T	24.0	T
TRIMETHYLAMINE	00075-50-3	4		2900.0	T	29.0	T
TRIOXYTHIOCRESTYL PHOSPHATE	00078-30-8	4		24.0	T	2.4E-01	T
TRIPHENYL AMINE	00603-34-9	4		1200.0	T	12.0	T
TRIPHENYL PHOSPHATE	00115-86-6	4		710.0	T	7.1	T
TRITON-X114 APA	09036-19-5	4		---		200.0	D L
TUNGSTEN W	07440-33-7	1	W	240.0	T	2.4	T K
TUNGSTEN W	WINSOLUBL	1	W	370.0	R	12.0	T
TURPENTINE	08006-64-2	6		130000.0	T	13000.0	T L
ULTEM	61128-46-9	4		---		1.0E-01	d H
URANIUM	07440-61-1	1	U	48.0	T	4.8E-01	T
UREA	00057-13-6	4		---		1.0E-01	d H
URETHANE	00051-79-6	4		---		1.0E-01	d H
VALERALDEHYDE	00110-62-3	4		42000.0	T	420.0	T
VANADIUM	07440-62-2	1		100.0	R	2.0E-01	H H
VANADIUM CARBIDE	11130-21-5	1		240.0	R	2.4	R
VANADIUM OXIDE V2O5	01316-62-1	1		12.0	T	1.2E-01	T I
VINYL ACETATE	00108-05-4	4		1500.0	R	36.0	R C
VINYL BROMIDE	00593-60-2	4		2200.0	T	3.0E-02	E H U B
VINYL CHLORIDE	00075-01-4	4		1300.0	T	2.0E-02	E H U A
VINYL CYCLOHEXENE	00100-60-3	4		95.0	T	370.0	D H B
VINYL CYCLOHEXENE DI	00106-87-6	4		14000.0	T	140.0	T B
VINYL FLUORIDE	00075-02-5	4		5200.0	A	23.0	D H R
VINYL PYRROLIDINONE	00088-12-0	4		---		70.0	D L
VINYL TOLUENE	25013-15-4	4		58000.0	T	580.0	T
VINYLDIENE CHLORIDE	00075-35-4	4		2000.0	T	2.0E-02	E H U
VN&P NAPHTHA	08032-32-4	4		330000.0	T	33000.0	T L
WARFARIN	00081-81-2	4		24.0	T	2.4E-01	T
XYLENE o,p-DIAMINE:H	01477-55-0	4		10.0	T	2.4E-01	T C
XYLENE, H, O&P MIXT.	01330-20-7	4		100000.0	T	300.0	I H
XYLENE, H-	00108-38-3	4		100000.0	T	700.0	E H
XYLENE, O-	00095-47-6	4		100000.0	T	700.0	E H
XYLENE, P-	00106-42-3	4		100000.0	T	300.0	E H
XYLIDINE	01300-73-8	4		600.0	T	6.0	T H B
YTTTRIUM Y	07440-65-5	1	Y	240.0	T	2.4	T
ZINC	07440-66-6	1		---		50.0	S L

ANALYTICAL DATA



Wisconsin Occupational
Health Laboratory

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Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

August 13, 1996

BRIAN TRAPP
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY, NY 12303

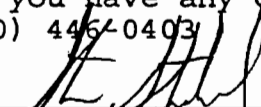
Company #: 4883

PROJ SMC MAESTRI

The results for the samples received by the lab on 08/09/96
are as follows:

Lab#	Field#	ug/sample	MG/M3	PPM	Analyte
592114	MAAN080896	ND <0.40	ND <0.017	ND <0.004	xylene
592115	MAAS080896	ND <0.40	ND <0.017	ND <0.004	xylene

If you have any questions about these results, please call the lab at
(800) 445-0403


Steve Strebel, Organic Supervisor


Mark Hudziak



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORT

Chemist Initials: MH

Date of Report: 08 - 13 - 96

Equipment Code: 105F

Equipment Description:

HP GAS CHROM (F-FRONT)

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

----- CORRECT -----

REPORTED VALUES ARE CORRECT FOR SAMPLES: 55555 AND 55556
Results are within 1 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
55555	870.000	865.000	ug/samp	1.0058	1	2460	Toluene
55556	1781.000	1730.000	ug/samp	1.0295	1	2460	Toluene

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

----- KEY : COLUMN HEADINGS -----

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.



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August 13, 1996

4883

BRIAN TRAPP
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY, NY 12303

GENERAL SOLVENTS

These substances are analyzed using a method based on NIOSH 1500. NIOSH has various other methods for different classes of compounds, but all are essentially the same.

The collection media is either a SMALL or LARGE Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes (or 3 ml for LARGE tubes) of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary column is a SP-1000 Capillary or a Nukol Capillary.

The Confirming column(s) is:

Carbopack C C/0.1% SP-1000 and/or VoCol 105M Capillary

Minimum Detection Limits are specific for each substance

Mark Hudziak

Analyst

Steve Strebel

Organic Supervisor

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To FLOR DAMEL GTI
1245 KINGS RD
Schenectady NY 12303

Contact Person BRIAN TRAPP

Send Results To BRIAN TRAPP
1245 Kings Rd
Schenectady NY 12303

P.O. # _____

Phone (315) 488-7852

Sampling Date 8/8/96

Phone (518) 370-5631

Project SMC Maestri

WOHL COMP # 4883

pls fax results to → FAX (315) 488-7907

Turnaround Time (Please Circle): RUSH

PRIORITY NORMAL

• Rush and priority requests must be prearranged.

★COMMENTS★

Pls fax me results, and call with any questions! Thanks!

•PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS. •

FOR WOHL USE ONLY		CUSTOMER FIELD #	SAMPLING MEDIA	TIME		TOTAL (MIN)	FLOW RATE	VOLUME (LITERS)	ANALYSIS REQUESTED & SPECIAL INSTRUCTIONS
CODE #	LAB #			ON	OFF				
9902 S	592114	MAAN 080896	SK0226	905	1702	477	50.15	23.92	Xylene (NIOSH 1500/1501)
	592115	MAAS 080896	"	900	1655	475	50.55	24.0	"

CHAIN OF CUSTODY: Relinquished

[Signature]

Date

8/8/96

Received

M. Schuman

Date

8/9/96

MAIL SAMPLES AND FORM TO:

Wisconsin Occupational Health Lab
 979 Jonathon Drive
 Madison, WI 53713

Phone

608 263-6550

800 446-0403

FAX

608-263-6551



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

August 14, 1996

BRIAN TRAPP
FLUOR DANIEL GTI
1245 KINGS RD
SCHENECTADY, NY 12303

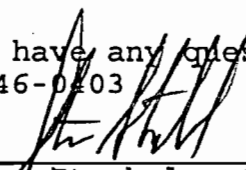
Company #: 4883

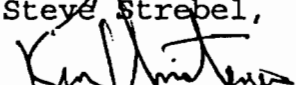
PROJ 01110053109

The results for the samples received by the lab on 08/05/96
are as follows:

Lab#	Field#	ug/sample	MG/M3	PPM	Analyte
591297	MDW01	ND <0.40	ND <0.017	ND <0.005	Benzene
		ND <0.40	ND <0.017	ND <0.004	Toluene
		ND <0.40	ND <0.017	ND <0.004	Ethyl Benzene
		ND <0.40	ND <0.017	ND <0.004	Xylene
591298	MUW01	ND <0.40	ND <0.018	ND <0.006	Benzene
		ND <0.40	ND <0.018	ND <0.005	Toluene
		ND <0.40	ND <0.018	ND <0.004	Ethyl Benzene
		ND <0.40	ND <0.018	ND <0.004	Xylene

If you have any questions about these results, please call the lab at
(800) 446-0203


Steve Strebel, Organic Supervisor


Ken Christensen

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To Fluor Daniel GTI
1275 Kings Rd
Schenectady NY 12303

Contact Person Brian Trapp
 Phone 315 488 7852

Send Results To Brian Trapp

P.O. # _____

Sampling Date 8/2/96

Phone 315 488 7852

Project 01110-0531-09

WOHL COMP # 4883

FAX 315 488 7907

Turnaround Time (Please Circle): **RUSH**

PRIORITY **NORMAL**

• Rush and priority requests must be prearranged.

★COMMENTS★

• PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS. •

FOR WOHL USE ONLY		CUSTOMER FIELD #	SAMPLING MEDIA	TIME		TOTAL (MIN)	FLOW RATE	VOLUME (LITERS)	ANALYSIS REQUESTED & SPECIAL INSTRUCTIONS
CODE #	LAB #			ON	OFF				
9902 S	591297	MDW01	226-01	1121	1320	119	200	23.8	(NIOSH 1500/1501 method) Xylene, Toluene, Ethylbenzene, Benzene
	591298	MUW01	226-01	1134	1325	111	202	22.422	"

CHAIN OF CUSTODY: Relinquished

[Signature]

Date 8/2/96

Received

[Signature]

Date 8/5/96

MAIL SAMPLES AND FORM TO:

Wisconsin Occupational Health Lab
 979 Jonathon Drive
 Madison, WI 53713

Phone

608 263-6550

FAX

800 446-0403

608-263-6551



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

August 14, 1996

4883

BRIAN TRAPP
FLUOR DANIEL GTI
1245 KINGS RD
SCHENECTADY, NY 12303

GENERAL SOLVENTS

These substances are analyzed using a method based on NIOSH 1500. NIOSH has various other methods for different classes of compounds, but all are essentially the same.

The collection media is either a SMALL or LARGE Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes (or 3 ml for LARGE tubes) of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary column is a SP-1000 Capillary or a Nukol Capillary.

The Confirming column(s) is:

Carbopack C C/0.1% SP-1000 and/or VoCol 105M Capillary

Minimum Detection Limits are specific for each substance

Ken Christensen

Analyst

Steve Strebel

Organic Supervisor



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORT

Chemist Initials: KMC

Date of Report: 08 - 10 - 96

Equipment Code: 99F

Equipment Description:

HP GAS CHROM (F-FRONT)

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

----- CORRECT -----
REPORTED VALUES ARE CORRECT FOR SAMPLES: 55853 AND 55854
Results are within 2 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
55853	45.900	43.700	ug/samp	1.0503	2	320	Benzene
55854	135.500	131.100	ug/samp	1.0336	1	320	Benzene

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.



Wisconsin Occupational
Health Laboratory

RECEIVED

110esw
8A
979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

September 3, 1996

BRIAN TRAPP
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY, NY 12304

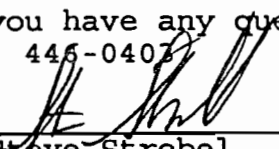
Company #: 4883

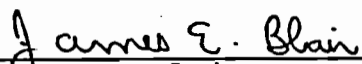
PROJ SMC MAESTI

The results for the samples received by the lab on 08/21/96
are as follows:

Lab#	Field#	ug/sample	MG/M3	PPM	Analyte
594209	MAAP080896	2.2	0.094	0.022	xylene
Comments: Breakthrough of xylene in this sample.					
594210	MAAN081596	4.0	0.18	0.040	xylene
Comments: Air volume used is 22.54 L					
594211	MAAS081596	ND <0.40	ND <0.018	ND <0.004	xylene
Comments: Air volume used is 22.38					
Air volumes not given for last 2 samples. Rates and times were used.					

If you have any questions about these results, please call the lab at
(800) 446-0407


Steve Strebels, Organic Supervisor


James Blair

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To Fluor Daniel GTI
1245 Kings Rd
Schenectady NY 12304

Contact Person Brian Trapp
 Phone 518 370 5631

Send Results To Brian Trapp
1245 Kings Rd
Schenectady NY 12304

P.O. # _____

Sampling Date 8/8, 8/15

Phone 315 488 7852

Project SMC Maestri

WOHL COMP # 4883

FAX 315 488 7907

Turnaround Time (Please Circle): **RUSH**
 ★COMMENTS★

PRIORITY **NORMAL**

●Rush and priority requests must be prearranged.

315-488-7852

Set 120

●PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS.●

FOR WOHL USE ONLY		CUSTOMER FIELD #	SAMPLING MEDIA	TIME		TOTAL (MIN)	FLOW RATE	VOLUME (LITERS)	ANALYSIS REQUESTED & SPECIAL INSTRUCTIONS
CODE #	LAB #			ON	OFF				
S9902	594209	MAAP 080896	226-01	2215 1015	0605 1405	470	49.1	23.08	Please analyse for xylenes by 1500/1501
	594210	MAAN 081596	226-01	0930	5100 1700	450	50.1	22.54	
	594211	MAAS 081596	226-01	0933	1704	454	49.3	22.38	
						7132			

CHAIN OF CUSTODY: Relinquished _____ Date _____ Received _____ Date _____

MAIL SAMPLES AND FORM TO: Wisconsin Occupational Health Lab
 979 Jonathon Drive
 Madison, WI 53713

Phone 608 263-6550
 800 446-0403
 FAX 608-263-6551



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

September 3, 1996

4883

BRIAN TRAPP
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY, NY 12304

GENERAL SOLVENTS

These substances are analyzed using a method based on NIOSH 1500. NIOSH has various other methods for different classes of compounds, but all are essentially the same.

The collection media is either a SMALL or LARGE Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes (or 3 ml for LARGE tubes) of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary column is a SP-1000 Capillary or a Nukol Capillary.

The Confirming column(s) is:

Carbopack C C/0.1% SP-1000 and/or VoCol 105M Capillary

Minimum Detection Limits are specific for each substance

James Blair

Analyst

Steve Strebel

Organic Supervisor



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORT

Chemist Initials: JEB Date of Report: 08 - 27 - 96 Equipment Code: 106F
Equipment Description: HP GC SERIES II (F-FRONT)

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

----- CORRECT -----
REPORTED VALUES ARE CORRECT FOR SAMPLES: 56179 AND 56180
Results are within 1 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
56179	1728.000	1734.000	ug/samp	.9965	1	2460	Toluene
56180	3460.000	3468.000	ug/samp	.9977	1	2460	Toluene

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
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FAX: (608) 263-6551

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University of Wisconsin

September 12, 1996

B. TRAPP
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY, NY 12303

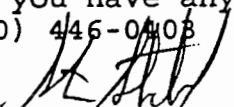
Company #: 4883

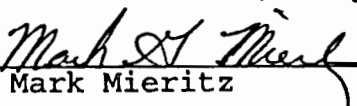
PROJ 01110053106

The results for the samples received by the lab on 09/03/96
are as follows:

Lab#	Field#	ug/sample	MG/M3	PPM	Analyte
596558	MAAN82196	ND <0.40	ND <0.020	ND <0.005	xylene
596559	MAAS82196	ND <0.40	ND <0.020	ND <0.005	xylene
596560	MAAN82996	ND <0.40	ND <0.015	ND <0.004	xylene
596561	MAAS82996	ND <0.40	ND <0.016	ND <0.004	xylene

If you have any questions about these results, please call the lab at
(800) 446-0408


Steve Strebel, Organic Supervisor


Mark Mieritz

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To Brian Trapp c/o Fluor Daniel GTI Contact Person B. Trapp Send Results To Bill to address,
1245 Kings Rd Plus FAX to
Schenectady NY 12303 Phone (315) 488 7852

P.O. # _____ Sampling Date _____ Phone _____
 Project 01110-0531-06 WOHL COMP # 4883 → FAX 315 488 7907

Turnaround Time (Please Circle): RUSH PRIORITY NORMAL • Rush and priority requests must be prearranged.

★ COMMENTS ★

Please send more COCS re: SMC Maestri Site
901 State Fair Blvd
Geddes, NY, 13209

• PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS. •

FOR WOHL USE ONLY		CUSTOMER FIELD #	SAMPLING MEDIA	TIME		TOTAL (MIN)	FLOW RATE	VOLUME (LITERS)	ANALYSIS REQUESTED & SPECIAL INSTRUCTIONS
CODE #	LAB #			ON	OFF				
<u>59902</u>	<u>596558</u>	<u>MAAN</u> <u>082196</u>	<u>Charcoal</u> <u>tube</u>	<u>12:00</u>	<u>6:49</u>	<u>409</u>	<u>50.1</u>	<u>20.10</u>	<u>Xylene (NIOSH 1500/1510)</u>
	<u>596559</u>	<u>MAAS</u> <u>082196</u>	<u>"</u>	<u>12:07</u>	<u>6:48</u>	<u>401</u>	<u>49.3</u>	<u>19.63</u>	<u>"</u>
	<u>596560</u>	<u>MAAN</u> <u>082196</u>	<u>"</u>	<u>8:15</u> <u>8:30</u>	<u>4:45</u>	<u>510</u>	<u>49.4</u>	<u>25.93</u>	<u>"</u>
	<u>596561</u>	<u>MAAS</u> <u>082996</u>	<u>"</u>	<u>8:00</u>	<u>4:30</u>	<u>510</u>	<u>50.9</u>	<u>24.66</u>	<u>"</u>

CHAIN OF CUSTODY: Relinquished [Signature] Date 8/30/96 Received [Signature] Date 9-3-96

MAIL SAMPLES AND FORM TO: Wisconsin Occupational Health Lab Phone 608 263-6550
 979 Jonathon Drive 800 446-0403
 Madison, WI 53713 FAX 608-263-6551



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

September 12, 1996

4883

B TRAPP
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY, NY 12303

GENERAL SOLVENTS

These substances are analyzed using a method based on NIOSH 1500. NIOSH has various other methods for different classes of compounds, but all are essentially the same.

The collection media is either a SMALL or LARGE Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes (or 3 ml for LARGE tubes) of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary column is a SP-1000 Capillary or a Nukol Capillary.

The Confirming column(s) is:

Carbopack C C/0.1% SP-1000 and/or VoCol 105M Capillary

Minimum Detection Limits are specific for each substance

Mark Mieritz

Analyst

Steve Strebel

Organic Supervisor



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORT

Chemist Initials: MM

Date of Report: 09 - 09 - 96

Equipment Code: 105

Equipment Description: HP GC SERIES II

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

CORRECT

REPORTED VALUES ARE CORRECT FOR SAMPLES: 55867 AND 55868

Results are within 1 standard deviation. ~

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
55867	42.880	43.700	ug/samp	.9812	1	320	Benzene
55868	135.010	131.100	ug/samp	1.0298	1	320	Benzene

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.



Wisconsin Occupational
Health Laboratory

Maestri 8A
979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

September 24, 1996

BRIAN TRAPP
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY NY 12303

Sept 20 1996
Smc Maestri
6A

Company #: 4883

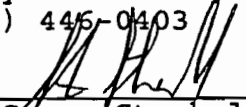
PROJ 01110053106

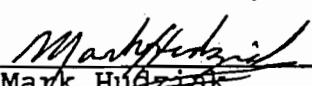
The results for the samples received by the lab on 09/16/96
are as follows:

Lab#	Field#	ug/sample	MG/M3	PPM	Analyte
598962	MAAN090696	ND <0.40	ND <0.022	ND <0.005	Xylene
598963	MAAS090696	ND <0.40	ND <0.026	ND <0.006	Xylene
598964	MAAN091196	ND <0.40	ND <0.013	ND <0.003	Xylene
598965	MAAS091196	5.1	0.16	0.037	Xylene

Comments: Results are calculated based on the air volumes submitted with the
samples. Air volumes submitted differ from air volumes calculated from
the time and flow rate data listed on the sample submission form.

If you have any questions about these results, please call the lab at
(800) 446-0403


Steve Strebel, Organic Supervisor


Mark Hudziak

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To Floor Daniel GTI
1245 Kings Rd.
Schenectady NY 12303

Contact Person B. Trapp
 Phone 518 370 5631

Send Results To same as billing
but fax to Brian Trapp at

P.O. # _____
 Project [REDACTED]

Sampling Date 9/6/96 9/11/96
 WOHL COMP # 4883

Phone _____
 → FAX (315) 488 7907

Turnaround Time (Please Circle): RUSH

PRIORITY NORMAL

• Rush and priority requests must be prearranged.

★COMMENTS★

pls fax results to:

• PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS. •

FOR WOHL USE ONLY		CUSTOMER	SAMPLING	TIME	TIME	TOTAL	FLOW	VOLUME	ANALYSIS REQUESTED &
CODE #	LAB #	FIELD #	MEDIA	ON	OFF	(MIN)	RATE	(LITERS)	SPECIAL INSTRUCTIONS
59902	598962	MAAN 090696	226-D	2:07	17:11	258 ¹⁸⁴	49	18.03	Xylene (NIOSH 1520/1501)
	598963	MAAS 090696	"	12:09	17:13	304	51	15.47	"
	598964	MAAN 091196	"	945	2036 ²⁰³⁶	651	49	31.83	"
	598965	MAAS 091196	226-D	949	2030	641	49	31.34	"

CHAIN OF CUSTODY: Relinquished [Signature] Date 9/13/96 Received [Signature] Date 9-16-96

MAIL SAMPLES AND FORM TO: Wisconsin Occupational Health Lab
 979 Jonathon Drive
 Madison, WI 53713

Phone 608 263-6550
 800 446-0403
 FAX 608-263-6551



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
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FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

September 24, 1996

4883

BRIAN TRAPP
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY NY 12303

GENERAL SOLVENTS

These substances are analyzed using a method based on NIOSH 1500. NIOSH has various other methods for different classes of compounds, but all are essentially the same.

The collection media is either a SMALL or LARGE Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes (or 3 ml for LARGE tubes) of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary column is a SP-1000 Capillary or a Nukol Capillary.

The Confirming column(s) is:

Carbopack C C/0.1% SP-1000 and/or VoCol 105M Capillary

Minimum Detection Limits are specific for each substance

Mark Hudziak

Analyst

Steve Strebel

Organic Supervisor



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORT

Chemist Initials: MH Date of Report: 09 - 20 - 96 Equipment Code: 105F
Equipment Description: HP GAS CHROM (F-FRONT)

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

----- CORRECT -----
REPORTED VALUES ARE CORRECT FOR SAMPLES: 56515 AND 56516
Results are within 2 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
56515	3609.000	3468.000	ug/samp	1.0407	2	2460	Toluene
56516	903.000	867.000	ug/samp	1.0415	2	2460	Toluene

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

October 3, 1996

BRIAN TRAPP
FLUOR DANIEL GTI
1245 KINGS RD
SCHENECTADY NY 12303

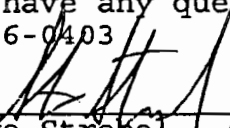
Company #: 4883

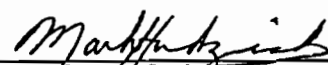
PROJ 01110 0531

The results for the samples received by the lab on 09/26/96
are as follows:

Lab#	Field#	ug/sample	MG/M3	PPM	Analyte
600610	MAAN091696	2.2	0.097	0.022	Xylene
600611	MAAS091696	ND <0.40	ND <0.018	ND <0.004	Xylene
Comments: Reported air volume (22.5 liters) does not match calculated air volume (481 min @ 49 mls/min=23.6 liters). Results are based on the reported air volume.					
600612	MAAN092196	ND <0.40	ND <0.027	ND <0.006	Xylene
600613	MAAS092196	ND <0.40	ND <0.027	ND <0.006	Xylene

If you have any questions about these results, please call the lab at
(800) 446-0403


Steve Streb, Organic Supervisor


Mark Hdzick

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To Fluor Daniel GTI
1245 Kings Rd
Schenectady NY 12303

Contact Person Brian Trapp
 Phone 515 370 5631

Send Results To B. Trapp
1245 Kings Rd

P.O. # 011

Sampling Date 9/16/96 9/21/96

Phone (315) 488-7852

WOHL COMP # 4883

FAX (315) 488-7907

Turnaround Time (Please Circle): RUSH

PRIORITY NORMAL

•Rush and priority requests must be prearranged.

★COMMENTS★

Pls FAY results to

•PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS. •

FOR WOHL USE ONLY		CUSTOMER FIELD #	SAMPLING MEDIA	TIME ON	TIME OFF	TOTAL (MIN)	FLOW RATE	VOLUME (LITERS)	ANALYSIS REQUESTED & SPECIAL INSTRUCTIONS
CODE #	LAB #								
9902 S	600610	MAAN 091696	226-1	1014	1808	474	49	23.2	Xylene
	600611	MAAS 091696	"	1021	1802	481	49	22.5	"
	600612	MAAN 092196	"	900	1400	300	50	15	"
	600613	MAAS 092196	"	904	1402	298	49.5	14.75	"

CHAIN OF CUSTODY: Relinquished [Signature] Date 9/25/96 Received [Signature] Date 9/26/96

MAIL SAMPLES AND FORM TO: Wisconsin Occupational Health Lab
 979 Jonathon Drive
 Madison, WI 53713

Phone 608 263-6550
 800 446-0403
 FAX 608-263-6551



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

October 3, 1996

4883

BRIAN TRAPP
FLUOR DANIEL GTI
1245 KINGS RD
SCHENECTADY NY 12303

GENERAL SOLVENTS

These substances are analyzed using a method based on NIOSH 1500. NIOSH has various other methods for different classes of compounds, but all are essentially the same.

The collection media is either a SMALL or LARGE Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes (or 3 ml for LARGE tubes) of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary column is a SP-1000 Capillary or a Nukol Capillary.

The Confirming column(s) is:

Carbopack C C/0.1% SP-1000 and/or VoCol 105M Capillary

Minimum Detection Limits are specific for each substance

Mark Hudziak

Analyst

Steve Strebel

Organic Supervisor



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORT

Chemist Initials: MH Date of Report: 10 - 01 - 96 Equipment Code: 105F
Equipment Description: HP GAS CHROM (F-FRONT)

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

----- CORRECT -----
REPORTED VALUES ARE CORRECT FOR SAMPLES: 56529 AND 56530
Results are within 1 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
56529	1722.000	1734.000	ug/samp	.9931	1	2460	Toluene
56530	2622.000	2601.000	ug/samp	1.0081	1	2460	Toluene

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.



Wisconsin Occupational
Health Laboratory

8A
979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

November 7, 1996

University of Wisconsin

BRIAN TRAPP
FLUOR DANIEL GTI
1245 KINGS RD
SCHENECTADY NY 12303

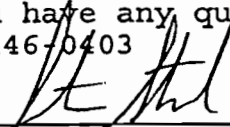
Company #: 4883

PROJ 01110 0531

The results for the samples received by the lab on 11/01/96
are as follows:

Lab#	Field#	ug/sample	MG/M3	PPM	Analyte
606604	MAAN101796	<=0.70	<=0.022	<=0.005	Xylene
Comments: 606604 also contains toluene and traces of petroleum distillates. Results for 606604 are based on a volume of 32.25 liters.					
606605	MAAS101796	ND <0.40	ND <0.014	ND <0.003	Xylene
606606	MAAN102296	2.2	0.073	0.017	Xylene
606607	MAAS102296	ND <0.40	ND <0.016	ND <0.004	Xylene
Comments: The activated charcoal in 606607 was very wet before sample preparation. 606607 also contains traces of petroleum distillates. Results for 606607 are based on a volume of 24.95 liters.					

If you have any questions about these results, please call the lab at
(800) 446-0403


Steve Strebel, Organic Supervisor


Shari Schwabe

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To Fluor Daniel GTI
1245 Kings Rd
Schenectady NY 12303

Contact Person Brian Trapp

Send Results To Brian Trapp

P.O. # _____

Phone (315) 488-7852

Sampling Date 10/30

Phone _____

Project 608-263-6550

WOHL COMP # 4883

FAX (315) 488-7907

Turnaround Time (Please Circle): **RUSH**

PRIORITY **NORMAL**

•Rush and priority requests must be prearranged.

★COMMENTS★

•PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS. •

FOR WOHL USE ONLY		CUSTOMER	SAMPLING	TIME	TIME	TOTAL	FLOW	VOLUME	ANALYSIS REQUESTED & SPECIAL INSTRUCTIONS
CODE #	LAB #	FIELD #	MEDIA	ON	OFF	(MIN)	RATE	(LITERS)	
MAA 59902	606604	MAAN 101796	226-1	730	600	630	51.2	32.22 ^{32.25}	Xylenes (MOSH 1500/1501)
	606605	MAAS 101796	226-1	730	600	630	46.7	29.42	"
	606606	MAAN 102296	226-1	730	430	540	55.3	29.86	"
	606607	MAAS 102296	226-1	730	430	540	46.2	26.76	"
								24.95	SS 11-7

CHAIN OF CUSTODY: Relinquished [Signature] Date 10/30/96 Received [Signature] Date 11-1-96

MAIL SAMPLES AND FORM TO: Wisconsin Occupational Health Lab
 979 Jonathon Drive
 Madison, WI 53713

Phone 608-263-6550
 800-446-0403
 FAX 608-263-6551



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

November 7, 1996

4883

BRIAN TRAPP
FLUOR DANIEL GTI
1245 KINGS RD
SCHENECTADY NY 12303

GENERAL SOLVENTS

These substances are analyzed using a method based on NIOSH 1500. NIOSH has various other methods for different classes of compounds, but all are essentially the same.

The collection media is either a SMALL or LARGE Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes (or 3 ml for LARGE tubes) of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary column is a SP-1000 Capillary or a Nukol Capillary.

The Confirming column(s) is:

Carbopack C C/0.1% SP-1000 and/or VoCol 105M Capillary

Minimum Detection Limits are specific for each substance

Shari Schwabe

Analyst

Steve Strebel

Organic Supervisor



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORT

Chemist Initials: SLS Date of Report: 11 - 04 - 96 Equipment Code: 108F
Equipment Description: HP GC SERIES II (F-FRONT)

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

CORRECT

REPORTED VALUES ARE CORRECT FOR SAMPLES: 54865 AND 54866
Results are within 2 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
54865	5057.000	5300.000	ug/samp	.9542	2	1730	Methylene chloride
54866	3772.000	3975.000	ug/samp	.9489	2	1730	Methylene chloride

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

January 17, 1997

MIKE SYKES
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY NY 12303

RECEIVED

Route To: _____

Company #: 4883

JAN 22 1997

Proj: _____

File Code: _____

The results for the samples received by the lab on 01/08/97
are as follows:

Lab#	Field#	ug/sample	MG/M3	PPM	Analyte
616736	MAAN103196	ND <0.40	ND <0.013	ND <0.003	xylene
Comments: Samples 616736-738 contain traces of other volatile organic compounds.					
616737	MAAS103196	<=0.70	<=0.024	<=0.006	xylene
616738	MAAN110596	ND <0.40	ND <0.015	ND <0.003	xylene
616739	MAAS110596	ND <0.40	ND <0.016	ND <0.004	xylene
Comments: Samples 616739-755 contain other volatile organic compounds.					
616740	MAAN111296	ND <0.40	ND <0.012	ND <0.003	xylene
616741	MAAS111296	ND <0.40	ND <0.012	ND <0.003	xylene
616742	MAAN111896	ND <0.40	ND <0.016	ND <0.004	xylene
616743	MAAS111896	ND <0.40	ND <0.016	ND <0.004	xylene
616744	MAAN120396	ND <0.40	ND <0.026	ND <0.006	xylene
616745	MAAS120396	ND <0.40	ND <0.026	ND <0.006	xylene
616746	MAAN121096	ND <0.40	ND <0.015	ND <0.003	xylene
616747	MAAS121096	ND <0.40	ND <0.015	ND <0.003	xylene
616748	MAAN121896	ND <0.40	ND <0.015	ND <0.003	xylene
616749	MAAS121896	ND <0.40	ND <0.015	ND <0.003	xylene
616750	MAAN112596	ND <0.40	ND <0.017	ND <0.004	xylene



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

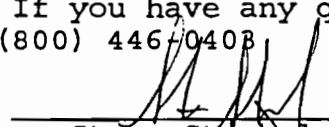
Wisconsin State Laboratory of Hygiene
FLUER DANIEL GTI

January 17, 1997

University of Wisconsin
page 2

Lab#	Field#	ug/sample	MG/M3	PPM	Analyte
616751	MAAS112596	ND <0.40	ND <0.017	ND <0.004	xylene
616752	MAAN122396	3.3	0.28	0.065	xylene
616753	MAAS122396	ND <0.40	ND <0.030	ND <0.007	xylene
616754	MAAN010296	ND <0.40	ND <0.017	ND <0.004	xylene
616755	MAAS010296	ND <0.40	ND <0.016	ND <0.004	xylene

If you have any questions about these results, please call the lab at
(800) 446-0408


Steve Strebels, Organic Supervisor


Adam Bednarek



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

January 17, 1997

4883

MIKE SYKES
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY NY 12303

GENERAL SOLVENTS

These substances are analyzed using a method based on NIOSH 1500. NIOSH has various other methods for different classes of compounds, but all are essentially the same.

The collection media is either a SMALL or LARGE Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes (or 3 ml for LARGE tubes) of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary column is a SP-1000 Capillary or a Nukol Capillary.

The Confirming column(s) is:

Carbopack C C/0.1% SP-1000 and/or VoCol 105M Capillary

Minimum Detection Limits are specific for each substance

Adam Bednarek

Analyst

Steve Strebel

Organic Supervisor



Wisconsin Occupational
Health Laboratory

979 Jonathon Drive
Madison, WI 53713-3226
Phone: (608) 263-6550
FAX: (608) 263-6551

Wisconsin State Laboratory of Hygiene

University of Wisconsin

January 17, 1997

4883

MIKE SYKES
FLUER DANIEL GTI
1245 KINGS RD
SCHENECTADY NY 12303

GENERAL SOLVENTS (GC/MS)

These substances are analyzed using a method based on NIOSH 1500. NIOSH has various other methods for different classes of compounds, but all are essentially the same.

The collection media is either a SMALL or LARGE Activated Charcoal Tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes (or 3 ml for LARGE tubes) of carbon disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary Column is a SP-1000 Capillary or a Nukol Capillary.

The Confirming column(s) is:
Carbopack C C/0.1% and/or VoCOL 105M Capillary

Some substances in the samples are also confirmed on a Model 5972 Hewlett-Packard Gas Chromatograph-Mass Spectrometer (GC/MS) containing a glass capillary Supelcowax 10 column.

Minimum Detection Limits are specific for each substance.

Adam Bednarek

Analyst

Steve Strebel

Organic Supervisor

Wisconsin State Laboratory of Hygiene

University of Wisconsin

LABORATORY QUALITY CONTROL REPORTChemist Initials: AB Date of Report: 01 - 10 - 97 Equipment Code: 108R
Equipment Description: HP GC SERIES II (R-REAR)

The following samples were analyzed for QUALITY COMPLIANCE along with normal FIELD samples.

These results meet WOHL Lab Quality Control criteria.

----- CORRECT -----
REPORTED VALUES ARE CORRECT FOR SAMPLES: 58081 AND 58082
Results are within 1 standard deviation.

Q-C Sample#	Reported Value(R)	Actual Value(A)	Units	Ratio (R/A)	Std Dev	S-Code	Substance Name
58081	876.000	889.000	ug/samp	.9854	1	T306	1,2,4-trimethyl benzene
58082	1809.000	1778.000	ug/samp	1.0174	1	T306	1,2,4-trimethyl benzene

The Quality Control limits are calculated based on 1, 2, and 3 STANDARD DEVIATIONS derived from historical data for a particular analyte. The MEAN values are adjusted to 1 in order to avoid any positive or negative bias.

KEY : COLUMN HEADINGS

Q-C Sample# : Laboratory prepared Quality Control sample number.
Reported Value : Analyst's results.
Actual Value : Amount of analyte applied to the QC sample.
Ratio : Ratio of Reported/Actual.
Std Dev : Number of Standard Deviations from the MEAN value.
S-Code : Substance (analyte) code.

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To FLUOR DANIEL GTI
1245 KINGS RD
SCHUYLER NY 12303

Contact Person Mike Sykes
 Phone 515 370 5631

Send Results To _____

P.O. # _____

Sampling Date _____

Phone _____

Project _____

WOHL COMP # 4883

FAX 515 370 5864

Turnaround Time (Please Circle): **RUSH**

PRIORITY **NORMAL**

•Rush and priority requests must be prearranged.

★COMMENTS★

PG 1/3

•PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS. •

FOR WOHL USE ONLY		CUSTOMER	SAMPLING	TIME	TIME	TOTAL	FLOW	VOLUME	ANALYSIS REQUESTED &
CODE #	LAB #	FIELD #	MEDIA	ON	OFF	(MIN)	RATE	(LITERS)	SPECIAL INSTRUCTIONS
59912	616736	MAAN 103196	226	730	1730	600	44.9	29.91	Xylenes (1501)
	616737	MAAS 103196		130	1730	600	47.7	28.62	
	616738	MAAN 110596		800	1700	540	50	26.97	
	616739	MAAS 110596		800	1700	540	46.9	25.33	
	616740	MAAN 111296		700	1715	615	52.7	32.41	
	616741	MAAS 111296		700	1715	615	53.9	33.15	
	616742	MAAN 111596		700	1500	450	51.0	24.46	
	616743	MAAS 111596		700	1500	450	50.8	24.36	

CHAIN OF CUSTODY: Relinquished [Signature] Date 11/7/97 Received [Signature] Date 1-8-97

MAIL SAMPLES AND FORM TO: Wisconsin Occupational Health Lab
 979 Jonathon Drive
 Madison, WI 53713

Phone 608 263-6550
 800 446-0403
 FAX 608-263-6551

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To Fluor Daniel GTI

Contact Person _____

Send Results To _____

Phone _____

P.O. # _____

Sampling Date _____

Phone _____

Project _____

WOHL COMP # _____

FAX _____

Turnaround Time (Please Circle): **RUSH**

PRIORITY

NORMAL

•Rush and priority requests must be prearranged.

★COMMENTS★

PG 2/3

•PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS. •

FOR WOHL USE ONLY		CUSTOMER FIELD #	SAMPLING MEDIA	TIME		TOTAL (MIN)	FLOW RATE	VOLUME (LITERS)	ANALYSIS REQUESTED & SPECIAL INSTRUCTIONS
CODE #	LAB #			ON	OFF				
	616744	MAAN 120396	226	1700	1700	300	51.7	15.5	Xylenes (1501)
	616745	MAAS 120396		1200	1700	300	50.6	15.17	
	616746	MAAN 121096		800	1700	540	50.3	27.2	
	616747	MAAS 121096		800	1700	540	49.2	26.6	
	616748	MAAN 121596		800	1700	540	50	27.0	
	616749	MAAS 121596		800	1700	540	50	27.0	
	616750	MAAN 12/25/96		915	1700	5465	51.1	23.7	
	616751	MAAS 12/25/96		915	1700	465	49.8	23.2	✓

CHAIN OF CUSTODY: Relinquished

[Signature]

Date

1/7/97

Received

[Signature]

Date

1-8-97

MAIL SAMPLES AND FORM TO:

Wisconsin Occupational Health Lab
979 Jonathon Drive
Madison, WI 53713

Phone

608 263-6550

FAX

800 446-0403

608-263-6551

WISCONSIN OCCUPATIONAL HEALTH LABORATORY (WOHL) SAMPLE SUBMISSION FORM

Bill To Fluor Daniel GTI Contact Person _____ Send Results To _____

 P.O. # _____ Sampling Date _____ Phone _____
 Project _____ WOHL COMP # _____ FAX _____

Turnaround Time (Please Circle): **RUSH** **PRIORITY** **NORMAL** •Rush and priority requests must be prearranged.
 ★COMMENTS★

313

•PLEASE GROUP SAMPLES BY MEDIA USED AND ANALYSIS REQUESTED. BULK AND WIPE SAMPLES SHOULD NOT BE COLLECTED IN PLASTIC BAGS. •

FOR WOHL USE ONLY		CUSTOMER	SAMPLING	TIME	TIME	TOTAL	FLOW	VOLUME	ANALYSIS REQUESTED &
CODE #	LAB #	FIELD #	MEDIA	ON	OFF	(MIN)	RATE	(LITERS)	SPECIAL INSTRUCTIONS
	616752	MAAN 122396	226	800	1200	240	49.0	11.7	Xylenes
	616753	MAAS 122396	↓	800	1200	240	55.5	13.3	↓
	616754	MAAN 010296	↓	800	1600	480	49.5	23.8	↓
	616755	MAAS 010296	↓	800	1600	480	52.4	25.2	↓
			↓						

CHAIN OF CUSTODY: Relinquished [Signature] Date 1/7/97 Received [Signature] Date 1-8-97

MAIL SAMPLES AND FORM TO: Wisconsin Occupational Health Lab
 979 Jonathon Drive
 Madison, WI 53713
 Phone 608 263-6550
 800 446-0403
 FAX 608-263-6551

Daily Air Monitoring Report

(Not part of Ambient Air Report)

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored	Page:	2 of 2
Project Number:	04100-0334	By: <i>ADUC</i>	Date:	2/17/96

Indoor Air Monitoring (every hour)

Calibrated? (Y/N)	Gastech: Y	PID: Y	Miniram: Y (once per week)			
Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
730	7.8	0	20.9	0	0	4.2
800	10.2	0	20.9	0	0	7.05
830	14.5	0	20.7	0	0	2.07
900	17.8	0	20.7	0	0	2.07
930	12.1	0	20.9	0	0	2.81
1000	12.4	0	20.9	0	0	2.81
1030	15.1	0	20.7	0	0	4.22
Level D Limits:	<50 ppm	<10% LEL	19.5 < O ₂ < 22	<17.5 ppm	<2.5 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5 < O ₂ < 22	<17.5 ppm	<2.5 ppm	<50 mg/m ³

Air Treatment System Monitoring (three times/day)

Time:	700	1200	1815
Wind Direction:	NE	NW	NW
Wind Speed:	0.5	2.0	5
Temperature:	67	86	81
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Flowrate (cfm):	287	2770	2780
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-3} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	1800	Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	NW	A	0	E	0
Wind Spd. (mph):	5	B	0	F	0
Temp. (deg C.):	81 °F	C	0	G	0
(see map in trailer for locations)		D	0	H	0

Daily NO₂ Exposure Badges

Name:	0409	0409	0409		
Reading: (ppm-hrs)	8-13	8-13	8-13		
Exp. Time (hrs)	10	10	8		

Temp before screen
110°
88°

Temp after screen
90°
76°

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored		Page:	8 of 2
Project Number:	04100-0334	By: <i>Dino</i>		Date:	7/12/96

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By:	ARON DAVE	Page:	1 of 1
Project Number:	04100-0334	By:	DAVE	Date:	07/16/96

Indoor Air Monitoring (every hour)

Calibrated? (Y/N)	Gastech: Y	PID: Y	Miniram: Y	(once per week)		
Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
600	0.0	0	20.9	0	0	.08
530	0.0	0	20.9	0	0	.08
500	12.8	0	20.7	0	0	.74
530	18.9	0	20.6	0	0	1.07
1000	21.1	0	20.5	0	0	1.07
1030	7.9	0	20.9	0	0	1.07
1100	34.8	1	20.7	0	0	4.23
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<50 mg/m ³

Air Treatment System Monitoring (three times/day)

Time:	700	1315	1840
Wind Direction:	N.E	N/E	N
Wind Speed:	0.5	5	1
Temperature:	67	81	82
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Flowrate (cfm):	2.78	2770	2790
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-3} \times (\text{ppmv}) \times (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:			Location	PID (ppm)	Location	PID (ppm)
Wind Direction:			A	0	E	0
Wind Spd. (mph):			B	1.1	F	0
Temp. (deg C.):			C	0	G	0
			D	0	H	0

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:	DAVE	JIM	ARON		
Reading: (ppm-hrs)	5-8	5-8	3-5		
p. Time (hrs)	10h	8h	10h		

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored	ARON	Page:	2 of
Project Number:	04100-0334	By:	DAVE	Date:	07/16/98

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By:	ARON	Page:	1 of 2
Project Number:	04100-0334	By:	ARON	Date:	7/15/96

Indoor Air Monitoring (every hour)

Calibrated? (Y/N)	Gastech: Y	PID: Y	Miniram: Y	(once per week)		
Time	PID (ppm)	LEL (%)	O ₂ (%)	CO (ppm)	NO ₂ (ppm)	Dust
845	9.7	1	20.8	0	0	0.04
910	SHUTDOWN DUE TO LIGHTNING, T-STORM					
1055	8.4	0	20.9	0	0	0.39
1123	9.8	0	20.8	0	0	0.45
1156	6.5	0	20.8	1	0	0.55
1320	6.2	0	20.8	0	0	0.57
1352	1.8	0	20.8	0	0	0.63
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<50 mg/m ³

Air Treatment System Monitoring (three times/day)

Time:	845	1315	
Wind Direction:	CALM	CALM	
Wind Speed:	0	0	
Temperature:	70	70	
Effluent PID (ppmv):	0	0	
Effluent Air Flowrate (cfm):	2760	2770	
Effluent Air Loading (lbs/hr):	0	0	
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	1815					
Wind Direction:	NW				E	0
Wind Spd. (mph):	5				F	0
Temp. (deg C.):	65				G	0
(see map in trailer for locations)						
			D	0	H	0

Daily NO₂ Exposure Badges

Name:	ARON	Dave			
Reading: (ppm-hrs)	0.5-1.5	0.5-1.5			
Exp. Time (hrs)	8 hrs	8 hrs			

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored		Page:	<u>2</u> of <u>2</u>
Project Number:	04100-0334	By:	AARON	Date:	7/15/96

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By:	Brian Trapp	Page:	1 of 2
Project Number:	04100-0334			Date:	7 / 12 / 96

Indoor Air Monitoring (every hour)

Calibrated? (Y/N)	Gastech: Y	PID: Y	Miniram: Y	(once per week) ^{BMT}		
Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
800	4.9	0	20.9	0	0	0.08
830	1.9	1	20.7	1	0	0.77
900	2.1	1	20.1	1	0	0.49
930	0.0	1	20.2	1	0	0.77
1000	1.2	0	20.9	1	0	0.97
1100	0.9	1	20.9	1	0	1.49
1200	0.0	1	20.5	1	0	2.91
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³

Air Treatment System Monitoring (three times/day)

Time:	1000	1450	1615
Wind Direction:	N	N	N
Wind Speed:	0.5	0.5	0.5
Temperature:	80	80	85
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Flowrate (cfm):	3500	3970	3700
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	1600	Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	W	A	0	E	0
Wind Spd. (mph):	0.5	B	0	F	0
Temp. (deg C.):	85	C	0	G	0
		D	0	H	0

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:	Dave Cook				
Reading: (ppm-hrs)	0.5 - 1.5				
Exp. Time (hrs)	7:30 - 4:30 05-19				

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By:	B. TRAPP	Page:	2 of 2
Project Number:	04100-0334			Date:	7/12/96

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By: <i>0904</i>	Page: <i>1 of 2</i>
Project Number:	04100-0334	Date: <i>7/11/96</i>	

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
800	28.2	0	20.9	0	0	0.0
830	32.1	1%	20.9	1	0	0.0
900	35.4	10%	20.9	1	0	2.01
930	37.2	20%	20.7	2	0	1.18
1000						
1030	22.5	1%	20.6	1	0	0.69
1100	24.9	1%	20.7	1	0	0.86
1130	16.8	1%	20.8	2	0	0.77
1200	17.4	1%	20.9	1	0	0.69
1230	8.3	0%	20.9	2	0	1.01
Level D Limits:	<50 ppm	<10% LEL	19.5 < O ₂ < 22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5 < O ₂ < 22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech: Y	PID: Y	Minim: Y	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:	800	130	500
Wind Direction:	SW	SW	SW
Wind Speed:	0.10	0.10	0.10
Temperature:	64	78	78
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Flowrate (cfm):	281	282	282
Effluent Air Loading (lb/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lb/hr) = $1.52 \times 10^{-5} \times (\text{ppmv}) \times (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	1640	Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	SW	A	0.0	E	0.0
Wind Spd. (mph):		B	0.0	F	0.0
Temp. (deg C.):	85°F	C	0.0	G	0.0
(see map in trailer for locations)		D	0.0	H	0.0

Daily NO₂ Exposure Badges

Name:	Chavez	Ward			
Exposure? (Y/N)	N	N			
	0.5-1.5 8hrs	0.5-1.5 8hrs			

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By:	DAVE COOK	Page:	2 of 2
Project Number:	04100-0334	Date:	7/11/96		

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
100 ^{P21}	7.8	0.0	20.9	1.0	0	0.91
130	11.1	0.0	20.9	1.0	0	1.08
200	15.6	0.1	20.9	2.0	0	2.11
230	16.8	0.0	20.9	3.0	0	2.35
300	4.9	0.0	20.9	1.0	0	2.78
330	10.8	0.1	20.9	2.0	0	3.32
400	6.7	0.0	20.9	1.0	0	2.98
430						
500	4.9	0.0	20.6	1.0	0	4.58
600	4.5	0.0	20.9	1.0	0	2.10
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Minutest:	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Effluent PID (ppmv):			
Effluent Air Flowrate (cfm):			
Effluent Air Loading (lb/hr):			
Effluent Action Level (ppmv):		117.9	117.9

Note: Effluent Air Loading (lb/hr) = $1.52 \times 10^{-6} \times (\text{ppmv}) \times (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:			Location	PID (ppm)	Location	PID (ppm)
Wind Direction:					E	
Wind Spd. (mph):			B		F	
Temp. (deg C.):			C		G	
			D		H	

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:			
Exposure? (Y/N)			

Daily Air Monitoring Report

1083 (P2)

Project Name:	SMC Maestri	Monitored By:	COOK	Page:	1 of 2
Project Number:	04100-0334	By:	COOK	Date:	7/10/96

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
7:30	10.2	1%	20.9	0	0	0.0
8:00	49.7	10%	20.4	0	0	0.6
8:30	24.9	10%	20.9	0	0	0.2
9:00	23.8	10%	20.9	0	0	0.2
9:30	16.8	10%	20.8	1	0	1.7
10:00	34.8	10%	20.8	1	0	1.2
10:30	26.1	1%	20.7	0	0	0.8
11:00	26.8	1%	20.7	1%	0	0.9
11:30	25.9	1%	20.7	1	0	0.15
12:00	11.6	1%	20.8	1	0	0.7
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Mintram:	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:	6:30	18:00	
Wind Direction:	SE	SE to S	
Wind Speed:	0-5	0-5	
Temperature:	64	75	
Effluent PID (ppmv):	0.0	0.0	
Effluent Air Flowrate (cfm):	341	295	
Effluent Air Loading (lbs/hr):	0	0	
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:		A	0.5	E	0.0
Wind Spd. (mph):		B	0.8	F	0.0
Temp. (deg C.):		C	0.0	G	0.0
(see map in trailer for locations)		D	0.0	H	0.0

Daily NO₂ Exposure Badges

Name:	Charlie	Wyle			
Exposure? (Y/N)	0.5-1.5	0.5-1.5			

8hrs

8hrs

Daily Air Monitoring Report

2 of 3 ②

Project Name:	SMC Maestri	Monitored By: <i>Choe</i>	Page:	2 of 2
Project Number:	04100-0334	By: <i>COO</i>	Date:	7/10/96

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
13:05	6.8	1%	20.9	0	0	0.7
13:30	Missed - cleaning clogged up power screen					
14:00	37.9	1%	20.8	0	0	0.8
14:30	18.9	0%	20.6	0	0	0.7
15:00	30.7	1%	20.8	0	0	0.11
15:30	18.2	1%	20.8	0	0	0.10
16:00	19.4	0%	20.8	0	0	0.17
16:30	23.9	1%	20.8	0	0	0.10
17:00	21.2	1%	20.7	0	0	0.12
17:30	13.1	0%	20.8	0	0	0.8
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(once per week)		

④ Change PID battery. Not recalibrated

Air Treatment System Monitoring (three times/day)

Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Effluent PID (ppmv):			
Effluent Air Flowrate (cfm):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 1.52×10^{-3} (ppmv) (cfm)

Perimeter Air Monitoring (once daily)

Time:		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:		A		E	
Wind Spd. (mph):		B		F	
Temp. (deg C.):		C		G	
		D		H	

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:					
Exposure? (Y/N)					

Daily Air Monitoring Report

3 of 3 ²⁸

Project Name:	SMC Maestri	Monitored By:	Paul Chadd	Page: 3	1 of 3
Project Number:	04100-0334	Date:	7/10/96	7/10/96	

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
18:35 18:35	4.5	1%	20.9	0	0	0.00
19:00 19:00	19.5	1%	20.9	0	0	0.00
19:30 19:30	14 *	1%	20.9	0	0	0.01
20:00 20:00	—	1%	20.9	0	0	0.01
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(once per week)		

* better run low

Air Treatment System Monitoring (three times/day)

Time:	
Wind Direction:	
Wind Speed:	
Temperature:	
Effluent PID (ppmv):	
Effluent Air Flowrate (cfm):	
Effluent Air Loading (lbs/hr):	
Effluent Action Level (ppmv):	117.9 117.9 117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:		A		E	
Wind Spd. (mph):		B		F	
Temp. (deg C):		C		G	
(see map in trailer for locations)		D		H	

Daily NO₂ Exposure Badges

Name:	
Exposure? (Y/N)	

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored		Page:	2 of 2
Project Number:	04100-0334	By: <i>Al Ac Coor</i>		Date:	7/9/96

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
730		0	20.9	0	0	2.42
800		0	20.5	0	0	2.56
830		0	20.7	0	0	2.59
900		0	20.4	0	0	3.28
930		0	20.5	0	0	3.59
1000		Break				
1030	10.3	0	20.7	0	0	3.52
1100	25.7	0	20.5	0	0	3.27
1130	27.6	10.4	20.4	0	0	3.27
1230						
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech: Y	PID: Y	Miniram: Y	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:	700	1230	
Wind Direction:	Calim	SW	
Wind Speed:	0.5	0.5	
Temperature:	64	74°	
Effluent PID (ppmv):	00	00	
Effluent Air Flowrate (cfm):	338	332	
Effluent Air Loading (lbs/hr):	0	0	
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	8:00		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	NW		A	0	E	0.1
Wind Spd. (mph):	0.5		B	0	F	0
Temp. (deg C.):	80		C	0	G	0
(see map in trailer for locations)			D	0	H	0

Daily NO₂ Exposure Badges

Name:	Charlie	Wayne	Dave		
Exposure? (Y/N)	Am: 1/4 ppm Pm: 1/4 ppm	Am: 1/4 ppm Pm: 1/4 ppm	Am: 0 Pm: 0		

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By:	[Signature]	Page:	2 of 2
Project Number:	04100-0334	By:	COO	Date:	7/9/96

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
100	12.6	1%	20.7	1	0	2.13
130	18.5	2%	20.5	3	0	3.52
200	21.2	3%	20.5	3	0	3.67
230	20.1	2%	20.9	0	0	3.87
300	20.2	2%	20.9	0	0	3.98
330	15.7	2%	20.7	0	0	4.10
400	20.5	1%	20.4	0	0	4.01
430	21.1	2%	20.5	0	0	4.02
500	19.7	1%	20.9	2	0	4.15
600	12.4	1%	20.9	1	0	3.50
Level D Limits:	<50 ppm	<10% LEL	19.5 < O ₂ < 22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5 < O ₂ < 22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech: Y	PID: Y	Miniram: Y	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:	
Wind Direction:	
Wind Speed:	
Temperature:	
Effluent PID (ppmv):	
Effluent Air Flowrate (cfm):	
Effluent Air Loading (lbs/hr):	
Effluent Action Level (ppmv):	117.9 117.9 117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:		A		E	
Wind Spd. (mph):		B		F	
Temp. (deg C.):		C		G	
		D		H	

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:	
Exposure? (Y/N)	

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By: <i>Dave Cook</i>	Page: <i>1</i> of <i>2</i>
Project Number:	04100-0334	Date: <i>7/18/96</i>	

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
800 AM	20.2	1%	20.4	0	0	6.00
900	19.2	1%	20.5	0	0	4.01
1000	18.7	1%	20.4	0	0	2.95
1030	19.8	1%	20.5	0	0	2.51
1100	19.7	1%	20.4	0	0	4.21
1130	19.9	1%	20.5	0	0	4.25
1200	L	4 A	C A	1 PPM	0	5.13
1230						
100	19.9	1%	20.2	1 PPM	0	5.13
130	22.1	1%	20.1	7 PPM	0	5.21
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:	800	100	600
Wind Direction:			Calm
Wind Speed:	0.5	0.5	0-5
Temperature:	67	74	80
Effluent PID (ppmv):	00	00	00
Effluent Air Flowrate (cfm):	342	341	342
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	600 AM	Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	Calm	A	0.0	E	0.0
Wind Spd. (mph):	0.5	B	0.0	F	0.0
Temp. (deg C.):	80	C	0.0	G	0.0
(see map in trailer for locations)		D	0.0	H	0.0

Daily NO₂ Exposure Badges

Name:	ARVO	CHAMBER	WILSON		
Exposure? (Y/N)	N (1/100)	N (1/100)	N (1/100)		
	(15 ppm)	(15 ppm)	(15 ppm)		

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By:	0400	Page:	2 of 2
Project Number:	04100-0334	By:	COOY	Date:	7/8/96

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
200	17.2	10%	20.4	7 ppm	2 ppm	4.52
230	15.7	10%	20.4	0	2 ppm	
300	10.1	0%	20.5	0	0	3.10
330	13.3	2%	20.4	0	0	5.04
400	10.2	1%	20.7	0	0	5.07
430	9.4	1%	20.8	1 ppm	0	4.58
500	9.2	1%	20.7	1 ppm	0	4.89
STOP WORK FOR DAY						
600	6.9	0%	20.6			
700	6.5	1%	20.7			
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<10 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(check per week)		

STOP WORK

Air Treatment System Monitoring (three times per day)

Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Effluent PID (ppmv):			
Effluent Air Flowrate (cfm):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (ppmv):		117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \times (\text{ppmv}) \times (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:		A		E	
Wind Spd. (mph):		B		F	
Temp. (deg C.):		C		G	
		D		H	

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:	
Exposure? (Y/N)	

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored MARK	Page: 1	1 of 2
Project Number:	04100-0334	By: ARCIDIA	Date: 7-2-96	7/2/96

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
7:30	10.0	0	20.6	0	0	.36
8:00	10.9	0	20.8	0	0	.38
8:30	10.1	0	20.9	0	0	.45
9:00	18.2	0	20.7	1	0	.53
9:30	12.8	0	20.6	1	2	.63
10:00	0.0	0	20.8	0	0	.25
10:30	10.0	0	20.6	1	0	.84
11:00	23.1	0	20.5	1	0	.45
11:30	22.0	0	20.4	2	0	.69
12:00	11.0	0	20.5	3	0	.54
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:	7:00	1:30	3:30
Wind Direction:	-	N	-
Wind Speed:	0	Breeze	calm
Temperature:	65°	85°	95°
Effluent PID (ppmv):	0.1	0.0	0.0
Effluent Air Flowrate (cfm):	3.11	3.00	3.00
Effluent Air Loading (lbs/hr):			
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \times (\text{ppmv}) \times (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	12:00		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	E		A	1	E	0
Wind Spd. (mph):	514. Breeze		B	0	F	0
Temp. (deg.C.):	80°		C	0	G	0
(see map in trailer for locations)			D	0	H	0

Daily NO₂ Exposure Badges

Name:	Charlie	Wayne	Mark		
Exposure? (Y/N)	N	N	N		

*Pulled out - stopped work - checked again in 1/2 hr.

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored	Page: 2	2 of 2
Project Number:	04100-0334	By: <i>Y. L. A. S. P. A. S. O. L.</i>	Date: 7-2-96	7/2/96

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
1:00	18.1	0	20.4	0	0	.53
1:30	16.0	0	20.4	2	0	.56
1:45	17.3	0	20.4	0	1	.58
2:00	17.5	0	20.5	0	0	.58
2:30	19.5	0	20.3	0	0	.59
3:00	14.0	0	20.3	10	0	.59
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Effluent PID (ppmv):			
Effluent Air Flowrate (cfm):			
Effluent Air Loading (lb/hr):			
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lb/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:			Location	PID (ppm)	Location	PID (ppm)
Wind Direction:			A		E	
Wind Spd. (mph):			B		F	
Temp. (deg C.):			C		G	
(see map in trailer for locations)			D		H	

Daily NO₂ Exposure Badges

Name:					
Exposure? (Y/N)					

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored	Page: 1 of 2
Project Number:	04100-0334	By: MANK	Date: 7-1-96

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
8:00	1.7	2				.10
↓ ↓	Changing Screen in Hopper					
10:30	11.0	1	20.7	0	0	.08
11:00	18.0	1	20.6	1	0	.25
11:30	20.1	1	20.6	2	0	.30
12:30	13.1	0	20.5	0	0	.06
1:00	22.1	0	20.6	0	0	.05
1:30	17.1	0	20.5	0	0	.06
2:00	23.3	1	20.5	1	0	.30
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:	8:00	12:00	4:00
Wind Direction:	E	E	E
Wind Speed:	Breeze	5 mph	Breeze
Temperature:	65	80	85
Effluent PID (ppmv):	2.8	0.3	0.0
Effluent Air Flowrate (cfm):	3,250	3,250	3,050
Effluent Air Loading (lbs/hr):	0.138	0.015	0.0
Effluent Action Level (ppmv):	0.5	—	—

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	9:30		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	2		A	0	E	0
Wind Spd. (mph):	Breeze		B	0	F	0
Temp. (deg C.):	70		C	0	G	0.2
			D	0	H	0.5

Daily NO₂ Exposure Badges

Name:				
Exposure? (Y/N)				

Daily Air Monitoring Report

Project Name:	SMC Maestr	Monitored	Page: 2	2 of 2
Project Number:	04100-0334	By: Mark Arcidialondo	Date: 7-1-96	7/1/1996

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
2:30	30.0	1	20.4	2	0	.32
3:00	40.0	0	20.6	1	0	.23
3:30	21.2	0	20.4	0	0	.38
4:00	29.0	0	20.4	3	0	.23
4:30	30.2	0	20.4	2	0	.17
5:00	N/A 23.5	0	20.5	3	0	.45
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<1 ppm	<50 mg/m ³
Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(once per week)		

Air Treatment System Monitoring (three times/day)

Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Effluent PID (ppmv):			
Effluent Air Flowrate (cfm):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (ppmv):			

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:		A		E	
Wind Spd. (mph):		B		F	
Temp. (deg. C.):		C		G	
		D		H	

Daily NO₂ Exposure Badges

Name:	MARK ARCIDIALONDO	Charlie	Wayne	
Exposure? (Y/N)	N	N	N	

M. Arcidialondo 7-1-96

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 2
Date:	6/28/96
Monitored By:	Davis COO4

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
7:30	10.2	00	20.9	000	.19
8:00	9.5	00	20.8	000	.19
8:30	6.9	00	20.7	001	.22
9:00	10.9	00	20.5	004	.26
9:30	9.5	01%	20.9	0ppm	.18
10:00	8.3	01%	20.9	0ppm	.12
10:30	DOWN	Plat	hopper		
11:00					
11:30					
12:00					
12:30					
1:00	2.9				
Level D Limits:	<50 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Baseline Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
NO	Reading	0.1	1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	6:30	1:00	5:30
Wind Direction:	Cal	Cal	N E
Wind Speed:	0-2	0-2	0-5
Temperature:	64°	72°	74°
Influent PID (ppmv):	0.0	0.0	0.0
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Velocity (fps):	308 cfm	308 cfm	308 cfm
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	0.0
Wind Speed (mph):	B	0.0
Temperature (deg C.):	C	0.0
	D	0.0
	E	0.0
	F	0.0

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	2 of 2
Date:	6/28/96
Monitored By:	DOU COO

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
130	9.7	1%	20.9	0	18
200	9.4	1%	20.9	0	12
230	9.6	1%	20.9	0	28
300	9.2	1%	20.7	0	28
330	clean	9.2	COUP + PID	20.5	28
400	clean	9.2	COUP + PID	20.5	28
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

gAP/gy
Screen

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Influent PID (ppmv):			
Effluent PID (ppmv):			
Effluent Air Velocity (fps):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	
Wind Speed (mph):	B	
Temperature (deg C.):	C	
	D	
	E	
	F	

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 2
Date:	6/27/96
Monitored By:	D. Smith COO

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
730	10.8	0.0	20.9	000	.02
800	Set up	Break	line to screen machine		
830					
900					
930	Break				
1000	9.1	0.0	20.7	003	.09
1030	10.4	0.0	20.5	005	.02
1100	10.1	0.0	20.4	006	.19
1130	10.2	0.0	20.5	006	.19
1200					
1230	Line in	clean screen			
100	9.8	0.0	20.7	002	.19
Level D Limits:	<50 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Badger Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
NO	NO		1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	720	1145	430
Wind Direction:	NW	NW	NW
Wind Speed:	0.5	0.5	0.5
Temperature:	62°	70°	74°
Influent PID (ppmv):	0.0	0.2	0.2
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Velocity (fps):	308 cfm	308 cfm	308 cfm
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fpm * Effluent ppmv If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	00
Wind Speed (mph):	B	00
Temperature (deg C.):	C	00
	D	00
	E	00
	F	00

600 RA

502
05
1.2
07
00
00
00

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	2 of 2
Date:	6/27/96
Monitored By:	DAVID COOK

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
130	22.9	00	20.5	002	.21
200	50 samples seen				
230	STOP WORK	WORK			
300					
330					
400					
430					
500					
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Influent PID (ppmv):			
Effluent PID (ppmv):			
Effluent Air Velocity (fps):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10×10^{-4} * fps * Effluent ppmv. If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	
Wind Speed (mph):	B	
Temperature (deg C.):	C	
	D	
	E	
	F	

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 1
Date:	6 / 18 / 96
Monitored By:	BMT

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
2:30	0	0	20.6	0	0.00
3:00	0	0	20.6	0	0.04
3:30	0	0	20.5	0	0.83
4:00	0	0	20.6	0	1.62
4:30	001	001	20.4	0	0.55
5:00	000	001	20.5	0	0.44
5:15	000	000	20.4	0	0.53
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	Not	Not	5:00 PM
Wind Direction:	SW	Not	SW
Wind Speed:	0.4	0.4	0.5 mph
Temperature:			79
Influent PID (ppmv):	1.1	1.1	
Effluent PID (ppmv):			0.0
Effluent Air Velocity (fps):			5650
Effluent Air Loading (lbs/hr):			0
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	5:30	Location	PID (ppm)
Wind Direction:	SW	A	0.0
Wind Speed (mph):	0.5 mph	B	0.0
Temperature (deg C.):	79	C	0.0
		D	0.0
		E	0.0
		F	0.0

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 2
Date:	6/19/98
Monitored By:	Dave COOK

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
7:00	0	0	20.5	0	4.7
NOVA ON RAIN DRAINAGE					
10:00	0.0	0.0	20.6	0	.44
10:30	0.0	0	20.7	0	.44
11:00	0.0	0.0	20.8	.003	.44
11:30	0.0	0.0	20.7	.005	1.05
11:50	0.0	0.0	20.5	.006	1.24
12:00-12:30	Lunch				
12:37	0.0	0.0	20.8	.004	1.12
Level D Limits:	<50 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	7:00	12:00	6:00
Wind Direction:	S	S + W	S + W
Wind Speed:	0-10	0-10	0-10
Temperature:	70	70	70
Influent PID (ppmv):			
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Velocity (fps):	5650	5650	5650
Effluent Air Loading (lbs/hr):	0		0
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10×10^{-4} * Effluent ppmv * If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)	PID ppm
Wind Direction:	A	0.0	0.0
Wind Speed (mph):	B	0.0	0.0
Temperature (deg C.):	C	0.0	0.0
	D	0.0	0.0
	E	0.0	0.0
	F	0.0	0.0

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	2 of 2
Date:	6/18/96
Monitored By:	David Cook

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
100 AM	0.0	0.0	20.6	0.04	.68
130 AM	0.0	0.0	20.5	0.05	.77
200 PM	0.0	0.0	20.7	0.03	.69
230 PM	0.0	0.0	20.5	0.03	.83
300 PM	0.0	0.0	20.6	0.04	.83
330 PM	0.0	0.0	20.5	0.03	.83
400 PM	0.0	0.0	20.4	0.03	.69
430 PM	0.0	0.0	20.5	0.03	.57
500 PM	0.0	0.0	20.6	0.02	.83
530 PM	0.0	0.0	20.5	0.03	.72
600 PM	0.0	0.0	20.6	0.04	.83
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Influent PID (ppmv):			
Effluent PID (ppmv):			
Effluent Air Velocity (fps):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10×10^{-4} * fps * Effluent ppmv If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	
Wind Speed (mph):	B	
Temperature (deg C.):	C	
	D	
	E	
	F	

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 2
Date:	6/20/96
Monitored By:	Davin Cody

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
7:00	00	00	20.5	000	1.15
7:30	00	00	20.4	000	1.4
8:00	00	00	20.5	000	1.8
8:30	00	00	20.7	002	1.5
9:00	00	00	20.5	003	1.5
9:30	00	00	20.3	004	1.6
10:00	00	00	20.5	003	1.6
10:30	00	00	20.2	000	5.2
11:00	00	00	20.1	007	5.6
11:30	00	00	20.4	006	5.1
12:00	00	00	20.5	007	5.2
LUNOS Y2 GAS					
Level D Limits:	<50 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
10	4	2.50	1.00

Note: TWA = Tube Reading / Exposure Time

STOP WORK
3:30 PM

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	2:30	12:00	6:00
Wind Direction:	SW	SW	SW
Wind Speed:	0-10	0-10	0-5
Temperature:	65°	69°	72°
Influent PID (ppmv):	00	00	00
Effluent PID (ppmv):	00	00	00
Effluent Air Velocity (fps):	6250	6250	6250
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv. If over limit, take air bag sample.

1) Influent FAS - 2780 PID 00 2780 P 00 2780 A 00
2) Influent FPS - 2640 PID 0.0 2640 A 00 2640 A 00
Permit Air Monitoring (once daily) 7:30 AM 4:00 PM

Time:	7:30	Location	PID (ppm)	PID (ppm)
Wind Direction:	SW	A	00	00
Wind Speed (mph):	0-10	B	00	00
Temperature (deg C.):	68°	C	00	00
		D	00	00
		E	00	00
		F	00	00

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	2 of 2
Date:	6/20/96
Monitored By:	CDM

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
100 PM	00	00	20.2	003	51
130	00	00	20.1	007	104
200	00	00	20.0	007	23
230	00	00	20.0	008	23
300	00	00	19.9	008	89
330	00	00	19.5	008	89
400	STOP WORK NO LIMIT TO HIGH				
430	IN S.A.D. TENT 84.1222				
500					
530					
Level D Limits: <50 ppm VOCs <10% LEL 19.5 < O2 < 22 <17.5 ppm <2.5 mg/m3					
Level C Limits: <350 ppm VOCs <10% LEL 19.5 < O2 < 22 <17.5 ppm <50 mg/m3					

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
ON	26.0	ONE	1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:			
Wind Direction:	ON FIRST PAGE		
Wind Speed:			
Temperature:			
Influent PID (ppmv):			
Effluent PID (ppmv):			
Effluent Air Velocity (tps):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10×10^{-4} tps * Effluent ppmv. If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	ON FIRST PAGE	
Wind Speed (mph):		
Temperature (deg C.):		
	C	
	D	
	E	
	F	

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 2
Date:	6/21/96
Monitored By:	DAVE COOY

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
700 AM	00	00	20.7	000	12
730	00	00	20.5	001	40
750	00	00	20.3	001	40
830	00	00	20.2	001	42
900	00	00	20.2	001	40
930	00	00	20.3	002	27
1000	00	00	20.3	000	28
1030	00	00	20.3	000	31
1100	00	00	20.2	000	32
1130	00	00	20.2	000	28
1200	LUNCH				
1230					
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	0800	1200	400
Wind Direction:	N E	N E	N E
Wind Speed:	0-10	20-25	10-20
Temperature:	64°	68°	74°
Influent PID (ppmv):	0.0	0.0	0.0
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Velocity (fps):	6250	6850	6500
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv If over limit, take air bag sample.

2.180 1.1000
3.2540 1.1000

5.0750 2.000
5.0230 2.000

640 411 00 PM

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	00
Wind Speed (mph):	B	00
Temperature (deg C.):	C	00
	D	00
	E	00
	F	00

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	2 of 2
Date:	6/21/98
Monitored By:	Dario Cooch

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
1:00 PM	0.0	0.0	20.3	0.02	86
1:30 PM	2.8 ppm	0.0	20.1	0.03	84
2:00 PM	3.1 ppm	0.0	20.9	0.02	90
2:30 PM	3.4 ppm	0.0	20.1	0.02	93
3:00 PM	3.3	0.0	20.3	0.02	93
None Dissolve for Day					
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

Time:	AM	Noon	PM
Wind Direction:			
Wind Speed:			
Temperature:			
Influent PID (ppmv):			
Effluent PID (ppmv):			
Effluent Air Velocity (fps):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 / fps * Effluent ppmv If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	
Wind Speed (mph):	B	
Temperature (deg C.):	C	
	D	
	E	
	F	

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 2
Date:	6/24/96
Monitored By:	DMC/17 COOC

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
8:30 AM	0.0	0.0	20.5	000	.23
9:00	0.6	0.0	20.4	000	.23
9:30	0.0	0.0	20.5	000	.27
10:00	0.7	0.0	20.4	002	.27
10:30	0.0	0.0	20.5	001	.23
11:00	0.0	0.0	20.4	001	.27
11:30	0.0	0.0	20.5	001	.27
12:00 PM	6.000	—	—	—	—
12:30	16.1	0.0	20.5	001	3.2
1:00	16.4	0.0	20.4	001	3.2
1:30	9.5	0.0	20.5	000	.63
2:00	10.1	0.0	20.4	000	.63
Level D Limits:	<50 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

A 2730 PID 0.0

B 2300 PID 0.0

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
15 min / 8 hr			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	8:30	12:00	5:35
Wind Direction:	SE	SE	SE
Wind Speed:	0.5	0.5	0.5
Temperature:	64°	68°	72°
Influent PID (ppmv):	0.0	0.0	0.0
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Velocity (fps):	5250	5250	5200
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv. If over limit, take air bag sample.

Blower

A B

Perimeter Air Monitoring (once daily) 8:30 AM PM

Time:	Location	PID (ppm)
Wind Direction:	A	0.0
Wind Speed (mph):	B	0.0
Temperature (deg C.):	C	0.0
	D	0.0
	E	0.0
	F	0.0

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	2 of 2
Date:	6/24/96
Monitored By:	00010 COOK

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
230	8.8	00	20.4	002	.52
300	9.8	40	20.5	004	.51
330	8.8	00	20.2	002	.74
400	STOP WORK				
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

Time:	AM	Noon	PM
Wind Direction:			
Wind Speed:			
Temperature:			
Influent PID (ppmv):			
Effluent PID (ppmv):			
Effluent Air Velocity (fps):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	
Wind Speed (mph):	B	
Temperature (deg C.):	C	
	D	
	E	
	F	

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 2
Date:	6/25/96
Monitored By:	Davis Cook

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
730	0.0	0.0	20.5	0.00	.31
800	2.8	0.0	20.5	0.00	.31
830	5.2	0.0	20.5	0.04	.52
800	4.8	0.0	20.4	0.07	.63
930	2.9	0.0	20.5	0.05	.61
1000	6.8	0.0	20.4	0.04	.58
1030	7.2	0.0	20.3	0.06	.62
1100	12.1	0.0	20.4	0.03	.55
1130	4.4	-	-	-	-
1200	1.9	0.0	20.6	0.01	.32
1230	STOP FOR RAIN				
100					
Level D Limits:	<50 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
Charle-8/W-7	6-10 / W-10		1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	800	100	530
Wind Direction:	N+W	N+W	N+W
Wind Speed:	0-10	10-15	10-15
Temperature:	62°	64°	72°
Influent PID (ppmv):	0.0	0.0	0.0
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Velocity (fps):	2750	2750	2750
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv. If over limit, take air bag sample.

Perimeter Air Monitoring (once daily) 4m

Time:	Location	PID (ppm)	PPM
Wind Direction:	A	0.0	6.0
Wind Speed (mph):	B	0.0	0.0
Temperature (deg C.):	C	0.0	0.0
	D	0.0	1.5
	E	0.0	1.5
	F	0.0	0.6

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	2 of 2
Date:	6/25/96
Monitored By:	Davis Coom

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
130	0.1	0.0	20.6	0.01	52
200	4.3	0.0	20.5	0.03	52
230	4.1	0.0	20.4	0.02	58
300	4.8	0.0	20.4	0.02	62
330	4 NPLag	Screen	-	-	-
400	"	"	-	-	-
430	6.8	0.0	20.5	0.01	89
500	6.9	0.0	20.4	0.01	89
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Influent PID (ppmv):			
Effluent PID (ppmv):			
Effluent Air Velocity (fps):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10×10^{-4} * fps * Effluent ppmv If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	
Wind Speed (mph):	B	
Temperature (deg C.):	C	
	D	
	E	
	F	

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 2
Date:	6/26/96
Monitored By:	Pharis COOK

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
800	7.6	00	20.9	004	.35
830	18.9	0.0	20.8	004	.25
900	21.9	0.0	20.5	005	.35
930	18.4	00	20.7	003	.32
1000	40.1	00	20.5	004	.31
1030	48.7	0.0	20.7	008	.35
1100	49.8	0.0	20.5	007	.35
1130	Lunch				
1200 PM					
1230 PM	13.8	00	20.7	003	.31
100 PM	12.9	0.0	20.4	001	.22
130	13.3	00	20.6	002	.30
Level D Limits:	<50 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	600	100	500
Wind Direction:	NW	NW	NW
Wind Speed:	0-5	0-10	0-5
Temperature:	62°	70°	74°
Influent PID (ppmv):	0.0	00	0.0
Effluent PID (ppmv):	00.0	00	0.3
Effluent Air Velocity (fps):	2350 1700	2350 2200	308 cfm
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv. If over limit, take air bag sample.

Total Effluent
(308 cfm)

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)	PID (ppm)
Wind Direction:	A	00	4.1
Wind Speed (mph):	B	00	4.4
Temperature (deg C.):	C	00	7.9
	D	00	1.1
	E	00	0.0
	F	00	0.0

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	2 of 2
Date:	6/26/96
Monitored By:	DAVIS COOK

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
2:00 PM	10.2	00	20.5	002	.32
2:30 PM	9.8	00	20.7	003	.91
3:00 PM	Change	Happen	RRound		
3:30 PM					
4:00 PM					
4:30 PM					
5:00 PM					
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Influent PID (ppmv):			
Effluent PID (ppmv):			
Effluent Air Velocity (fps):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv. If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	
Wind Speed (mph):	B	
Temperature (deg C.):	C	
	D	
	E	
	F	

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Page:	1 of 2
Date:	6/26/96
Monitored By:	Davis Cood

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
800	7.6	00	20.9	004	.85
830	18.9	0.0	20.8	004	.25
900	21.9	0.0	20.5	005	.85
930	18.4	00	20.7	003	.32
1000	40.1	00	20.5	004	.31
1030	48.7	0.0	20.7	008	.35
1100	49.8	0.0	20.5	007	.35
1130	Lunch				
1200 PM					
1230 PM	13.8	00	20.7	003	.31
100 PM	12.9	0.0	20.4	001	.22
130	13.3	00	20.6	002	.30
Level D Limits:	<50 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	<10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:	600	100	500
Wind Direction:	NW	NW	NW
Wind Speed:	0.5	0-10	0.5
Temperature:	62°	70°	74°
Influent PID (ppmv):	0.0	00	0.0
Effluent PID (ppmv):	0.0	00	0.0
Effluent Air Velocity (fps):	2350 2700	2350 2700	308 cfm
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $5.10 \times 10^{-4} \times \text{fps} \times \text{Effluent ppmv}$ If over limit, take air bag sample.

Total Effluent
(308 cfm)

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)	PID (ppm)
Wind Direction:	A	00	4.1
Wind Speed (mph):	B	00	4.9
Temperature (deg C.):	C	00	7.9
	D	00	1.1
	E	00	0.0
	F	00	0.0

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334
Project	904 State Fair Blvd.
Location:	Geddes, NY 13209

Page:	2 of 2
Date:	6/26/96
Monitored	NAVIS
By:	CO OR

Indoor Air Monitoring (every hour)

Time	PID (ppm)	LEL	O2	CO	Dust
2 00 PM	10.7	00	20.5	002	.32
2 30 PM	9.8	00	20.7	005	.91
3 00 PM	CHANGE	Hopper	RR Reset		
3 30 PM					
4 00 PM					
4 30 PM					
5 00 PM					
Level D Limits:	<50 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<2.5 mg/m3
Level C Limits:	<350 ppm VOCs	< 10% LEL	19.5 < O2 < 22	<17.5 ppm	<50 mg/m3

Daily NO2 Exposure Monitoring

Tube Reading (ppm hrs)	Exposure Time (hrs)	TWA (ppm)	TWA Limit (ppm)
			1.00

Note: TWA = Tube Reading / Exposure Time

Air Treatment System Monitoring (three times/day)

	AM	Noon	PM
Time:			
Wind Direction:			
Wind Speed:			
Temperature:			
Influent PID (ppmv):			
Effluent PID (ppmv):			
Effluent Air Velocity (fps):			
Effluent Air Loading (lbs/hr):			
Effluent Action Level (lbs/hr):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = 5.10 E-04 * fps * Effluent ppmv If over limit, take air bag sample.

Perimeter Air Monitoring (once daily)

Time:	Location	PID (ppm)
Wind Direction:	A	
Wind Speed (mph):	B	
Temperature (deg C.):	C	
	D	
	E	
	F	

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By:	ARON	Page:	1 of 2
Project Number:	04100-0334			Date:	7/18/96

Indoor Air Monitoring (every hour)

Calibrated? (Y/N)	Gastech: Y	PID: Y	Miniram: Y	(once per week)		
Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
800	0	0	20.9	0	0	0
830	110	-1	20.6	4	1	
900 845	115	-1	20.6	4	1	
430 900	107	-2-0	20.5	3	1	
1000 915	BREAK	DUE	To Levels			
1030 1000	173	0	20.9	0	0	4.47
1100 1020	450	0	20.9	0	1	4.42
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<50 mg/m ³

HS = 109

Air Treatment System Monitoring (three times/day)

Time:	750	1220	
Wind Direction:	STILL	STILL	
Wind Speed:	0	0	
Temperature:	71	92	
Effluent PID (ppmv):	0	0	
Effluent Air Flowrate (cfm):	2780	2800	
Effluent Air Loading (lbs/hr):	0	0	
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	1530	Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	STILL	A	0	E	0
Wind Spd. (mph):	0	B	0	F	0
Temp. (deg C.):	92	C	0	G	0
		D	0	H	0

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:	JEM	DAVE	ARON		
Reading: (ppm-hrs)	3-5	8-13	8-13		
Exp. Time (hrs)	8	8	8		

LE
12
12

TEMP IN TEMP OUT HS
NA ~ 95°F 39.2 = B 90.1 = A
NA ~ 75°F 24.0 = R 22.1 =

P2LE #10 BEGIN 78°F END
K1ALC- IMPHC-

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored	Page:	2 of 2
Project Number:	04100-0334	By: Aaron	Date:	7/18/96

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	GMC Maestri	Monitored -	Page:	1 of 2
Project Number:	04100-0334	By: <i>PAVE</i>	Date:	7/18/96

Indoor Air Monitoring (every hour)

Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(once per week)		
Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
730	8.7	0	20.9	0	0	0.1
800	15.9	0	20.9	0	0	0.3
830	16.1	0	20.9	0	0	0.3
900	20.5	0	20.7	0	0	0.4
930	22.4	0	20.7	0	0	0.4
1000	22.7	0	20.9	0	0	0.4
1030	STOP	STOP	(STOP)			
Level D Limits:	<50 ppm	<10% LEL	19.5 < O ₂ < 22	<17.5 ppm	<2.5 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5 < O ₂ < 22	<17.5 ppm	<2.5 ppm	<50 mg/m ³

Air Treatment System Monitoring (three times daily)

Time:	700	1000	500
Wind Direction:	SW	SW	SW
Wind Speed:	0-10	10-20	10-15
Temperature:	69	72	78
Effluent PID (ppmv):	0.2	0.2	0.2
Effluent Air Flowrate (cfm):	281	281	281
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:		A	0.0	E	0.0
Wind Spd. (mph):		B	0.0	F	0.0
Temp. (deg C.):		C	0.0	G	0.0
(see map in trailer for locations)		D	0.0	H	0.0

Daily NO₂ Exposure Badges

Name:	BAVE	DAVE		
Reading: (ppm-hrs)				
Exp. Time (hrs)				

PAVE
13

BAVE
78°

DAVE
76°

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored	Page:	2 of 2
Project Number:	04100-0334	By: <i>PCP/LOD</i>	Date:	7/19/96

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored By:	<i>Dave</i>	Page:	1 of 2
Project Number:	04100-0334			Date:	2 / 22 / 96

Air Treatment System Monitoring (three times/day)

Time:	730		
Wind Direction:			
Wind Speed:	<i>Calm</i>		
Temperature:	61		
Effluent PID (ppmv):	0.2		
Effluent Air Flowrate (cfm):	281		
Effluent Air Loading (lbs/hr):	0		
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:			Location	PID (ppm)	Location	PID (ppm)
Wind Direction:			A		E	
Wind Spd. (mph):			B		F	
Temp. (deg C.):			C		G	
(see map in trailer for locations)			D		H	

Daily NO₂ Exposure Badges

Name:	<i>Dave</i>	<i>Blayne</i>	<i>Jim</i>		
Reading: (ppm-hrs)	0.5-1.5	0.5-1.5	0.5-1.5		
Exp. Time (hrs)	4	4	4		

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334

Page:	2 of 2
Date:	7/22/96

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored		Page:	1 of 2
Project Number:	04100-0004	By:		Date:	7/23/96

Air Treatment System Monitoring (three times/day)

Time:	730	1130	530
Wind Direction:	-	-	-
Wind Speed:	Calm	Calm	Calm
Temperature:	62°	74°	84°
Effluent PID (ppmv):	0.3	0.6	0.8
Effluent Air Flowrate (cfm):	280	280	279
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	1630		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	NONE		A	0.0 0.00	E	0.0 0.00
Wind Spd. (mph):	0		B	0.0 0.00	F	0.0 0.00
Temp. (deg C.):	80°F		C	0.0 0.02	G	0.0 0.00
(see map in trailer for locations)			D	0.0 0.00	H	0.0 0.00

Daily NO₂ Exposure Badges

Name:	Dave	Wayne	Tim		
Reading: (ppm-hrs)	0.5	0.5	0.5		
Exp. Time (hrs)	10	8	8		

Daily Air Monitoring Report

Project Name:	S/C M...
Project Number:	0...34

Page:	2 of 2
Date:	7/23/96

Indoor Air Monitoring (every hour)

Calibrated? (Y/N)	Gastech:	PID:	Miniram:			
Time	PID (ppm)	LEL	O ₂	CO	NO _x	Dust
800	12.9	N	0	Meter		0.2
830	24.9	"	"	"	"	0.3
900	88.1	"	"	"	"	4.0
930	24.9	"	"	"	"	4.80
1000	56.9	"	"	"	"	3.53
1030	7.0	"	"	"	"	3.56
1100	101.	"	"	"	"	3.84
1130	110	"	"	"	"	4.46
1200	135	"	"	"	"	4.19
1230	141.0	"	"	"	"	4.02
100	60.1	0	20.9	0	N/A	3.44
130	95.8	0	20.9	0	N/A	4.01
200	21.2	0	20.9	0	N/A	3.35
230	85.4	0	20.9	0	N/A	3.35
300	150	0	20.9	2	N/A	3.31
330	201	0	20.9	3	N/A	3.29
400	250	0	20.9	2	N/A	3.30
430	255	0	20.9	2	N/A	3.33
500	189	0	20.8	2	N/A	3.29
530	175	0	20.8	2	N/A	.92
600					N/A	
630					N/A	
700					N/A	
730					N/A	
800					N/A	
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<50 mg/m ³

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored		Page:	1 of 2
Project Number:	04100-0334	By: Dave		Date:	7 / 28 / 96

Air Treatment System Monitoring (three times/day)

Time:	630	1130	630
Wind Direction:	C		SW
Wind Speed:	0.1 m	0.1 m	0.10
Temperature:	64°	76°	89
Effluent PID (ppmv):	00	00	0.0
Effluent Air Flowrate (cfm):	251	251	251
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	330		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	SEW		A	00	E	00
Wind Spd. (mph):	0.5		B	00	F	00
Temp. (deg C.):	89°		C	00	G	00
(see map in trailer for locations)			D	00	H	00

Daily NO₂ Exposure Badges

Name:	Wayne	Jim	Dave		
Reading: (ppm-hrs)	3-5	3-5	3-5		
Exp. Time (hrs)	8	8	8		

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334

Page:	2 of 2
Date:	7/24/96

Indoor Air Monitoring (every hour)

Calibrated? (Y/N)	Gastech: Y	PID: Y	Miniram: Y	(daily)		
Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
730 AM	150	0	20.9	0	N/A	.02
800	182	0	20.9	0	N/A	.53
830	205	0	20.9	3	N/A	.58
900	180	0	20.8	4	N/A	.83
930	Blow K		Time			
1000	125	0	20.7	4	NA	.71
1030	182	0	20.7	4	N/A	.71
1100	49.9	0	20.7	4	N/A	.67
1130	stop	work	OSDH	visit		
1200 PM	Lunch	↓	↓	↓	↓	↓
1230	↓	↓	↓	↓	↓	↓
100	0.0	0	20.7	2	N/A	.46
130	162	0	20.7	4	N/A	.44
200	204	0	20.7	5	N/A	.43
230	140	0	20.7	4	N/A	.42
300	125	0	20.6	3	N/A	.42
330	85.7	0	20.5	2	N/A	.42
400	66.1	0	20.5	2	N/A	.40
430	0.0	0	20.4	1	N/A	1.52
500	0.0	0	20.4	1	N/A	1.79
530	0.0	0	20.4	1	N/A	1.44
600	0.0	0	20.4	1	N/A	1.32
630	Re Fuel	Suber	Plant			
700	Done work					
730						
800						
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<50 mg/m ³

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored	Page:	1 of 2
Project Number:	04100-0334	By: Dave	Date:	7 / 85 / 96

Air Treatment System Monitoring (three times/day)

Time:	700	1130	500
Wind Direction:	N+E	N+E	N+E
Wind Speed:	0-5	0-5	0-5
Temperature:	64°	74°	84°
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Flowrate (cfm):	251	251	248
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	330		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	NE		A	0.0	E	0.0
Wind Spd. (mph):	0-5		B	0.0	F	0.0
Temp. (deg C.):	84°		C	0.0	G	0.0
			D	0.0	H	0.0

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:	Dave	Wayne	Jim	Ronald	
Reading: (ppm-hrs)	1.5-3	1.5-3	8-13	0.5-1.5	
Exp. Time (hrs)	8	8	10	1 1/2	

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334

Page:	2 of 2
Date:	7/25/96

Indoor Air Monitoring (every hour)

Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(daily)		
Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
730	29.1	0	20.9	0	N/A	42
800	75.8	0	20.9	0	N/A	79
830	120	0	20.9	2	N/A	40
900	170	0	20.4	4	N/A	25
930	149	0	20.5	2	N/A	32
1000	STOP		work			
1030						
1100						
1130						
1200						
1230						
1300						
1330	54.1	0	20.9	0	0	08
1400	56.1	0	20.8	0	0	13
1430	57.2	0	20.7	0	0	53
1500	60.9	1	21.0	0	0	22
1530	Blank					
1600	10.9	0	20.9	0	0	25
1630	2.9	0	20.9	0	0	24
1700	STOP		work	For day		
1730						
1800						
1830						
1900						
1930						
2000						
2030						
2100						
2130						
2200						
2230						
2300						
2330						
2400						
2430						
2500						
2530						
2600						
2630						
2700						
2730						
2800						
2830						
2900						
2930						
3000						
Level D Limits:	<50 ppm	<10% LEL	15.5-22	<17.5 ppm	<2.5 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	15.5-22	<17.5 ppm	<2.5 ppm	<50 mg/m ³

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored		Page:	1 of 2
Project Number:	04100-0334	By: <i>D. H. L.</i>		Date:	2/26/96

Air Treatment System Monitoring (three times/day)

Time:	1000	1200	400
Wind Direction:	S.W.	S.W.	S.W.
Wind Speed:	0-10	0-10	0-10
Temperature:	70	80	84
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Flowrate (cfm):	252	252	249
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	200		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	S.W.		A	0.0	E	0.0
Wind Spd. (mph):	0-10		B	0.0	F	0.0
Temp. (deg C.):	84		C	0.0	G	0.0
			D	0.0	H	0.0

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:	Jim	1400			
Reading: (ppm-hrs)	23.5	23.5			
Exp. Time (hrs)	8	8			

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0334

Page:	2 of 2
Date:	7/26/96

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored		Page:	1 of 2
Project Number:	04100-0334 ^{0.110} 0531	By: Dave		Date:	7/29/96

Air Treatment System Monitoring (three times/day)

Time:	730	1240	430
Wind Direction:			SE
Wind Speed:	Calm	Calm	0.5
Temperature:	64	78°	82
Effluent PID (ppmv):	0.0	0.0	0.0
Effluent Air Flowrate (cfm):	250	248	249
Effluent Air Loading (lbs/hr):	0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	400	Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	SE	A	00	E	00
Wind Spd. (mph):	0-10	B	00	F	00
Temp. (deg C.):	78	C	00	G	00
(see map in trailer for locations)		D	00	H	00

Daily NO₂ Exposure Badges

Name:	Jim	WAYAN			
Reading: (ppm-hrs)	8-13	8-13			
Exp. Time (hrs)	10	10			

1. *Phragmites australis* (Cav.) Trin. ex Steud.
 2. *Scirpus americanus* L.
 3. *Scirpus setaceus* L.
 4. *Scirpus robustus* L.
 5. *Scirpus hololepis* L.
 6. *Scirpus patens* L.
 7. *Scirpus cespitosus* L.
 8. *Scirpus eriopodus* L.
 9. *Scirpus americanus* L.
 10. *Scirpus americanus* L.
 11. *Scirpus americanus* L.
 12. *Scirpus americanus* L.
 13. *Scirpus americanus* L.
 14. *Scirpus americanus* L.
 15. *Scirpus americanus* L.
 16. *Scirpus americanus* L.
 17. *Scirpus americanus* L.
 18. *Scirpus americanus* L.
 19. *Scirpus americanus* L.
 20. *Scirpus americanus* L.
 21. *Scirpus americanus* L.
 22. *Scirpus americanus* L.
 23. *Scirpus americanus* L.
 24. *Scirpus americanus* L.
 25. *Scirpus americanus* L.
 26. *Scirpus americanus* L.
 27. *Scirpus americanus* L.
 28. *Scirpus americanus* L.
 29. *Scirpus americanus* L.
 30. *Scirpus americanus* L.
 31. *Scirpus americanus* L.
 32. *Scirpus americanus* L.
 33. *Scirpus americanus* L.
 34. *Scirpus americanus* L.
 35. *Scirpus americanus* L.
 36. *Scirpus americanus* L.
 37. *Scirpus americanus* L.
 38. *Scirpus americanus* L.
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 40. *Scirpus americanus* L.
 41. *Scirpus americanus* L.
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 44. *Scirpus americanus* L.
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 87. *Scirpus americanus* L.
 88. *Scirpus americanus* L.
 89. *Scirpus americanus* L.
 90. *Scirpus americanus* L.
 91. *Scirpus americanus* L.
 92. *Scirpus americanus* L.
 93. *Scirpus americanus* L.
 94. *Scirpus americanus* L.
 95. *Scirpus americanus* L.
 96. *Scirpus americanus* L.
 97. *Scirpus americanus* L.
 98. *Scirpus americanus* L.
 99. *Scirpus americanus* L.
 100. *Scirpus americanus* L.

Project Name:	SMC Maestri
Project Number:	04100-0334 ²¹⁰⁰⁰ 0531

Page:	2 of 2
Date:	2 / 22 / 96

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored		Page:	1 of 2
Project Number:	04100-0531	By: <i>Asue</i>		Date:	7/30/96

Air Treatment System Monitoring (three times/day)

Time:	730	100	430
Wind Direction:	0-5	05	05
Wind Speed:	NE	NE	NE
Temperature:	64°	77	82
Effluent PID (ppmv):	0.0	00	0.0
Effluent Air Flowrate (cfm):	251	249	250
Effluent Air Loading (lbs/hr):	0.0	0	0
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	300	Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	E	A	00	E	00
Wind Spd. (mph):	0-5 to 5+4	B	00	F	00
Temp. (deg C.):	275	C	00	G	00
		D	00	H	00

(see map in trailer for locations)

Daily NO₂ Exposure Badges

Name:	<i>Jim</i>				
Reading: (ppm-hrs)	6-13				
Exp. Time (hrs)	8				

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0531

Page:	2 of 2
Date:	7/30/96

Indoor Air Monitoring (every hour)

[illegible]

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored		Page:	1 of 2
Project Number:	04100-0531	By: Dave		Date:	7/31/96

Air Treatment System Monitoring (three times/day)

Time:	700	1220	
Wind Direction:	0-S	0-S	
Wind Speed:	NE	NE	
Temperature:	63	78°	
Effluent PID (ppmv):	0.0	0.0	
Effluent Air Flowrate (cfm):	248	251	
Effluent Air Loading (lbs/hr):	0	0	
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:	1100		Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	N		A	0.0	E	0.0
Wind Spd. (mph):	0-5		B	0.0	F	0.0
Temp. (deg C.):	75		C	0.0	G	0.0
(see map in trailer for locations)			D	0.0	H	0.0

Daily NO₂ Exposure Badges

Name:	Jim				
Reading: (ppm-hrs)	2				
Exp. Time (hrs)	B				

Daily Air Monitoring Report

Project Name:	SMC Maestri
Project Number:	04100-0531

Page:	2 of 2
Date:	7/31/96

Indoor Air Monitoring (every half hour)

Calibrated? (Y/N)	Gastech:	PID:	Miniram:	(daily)		
Time	PID (ppm)	LEL	O ₂	CO	NO ₂	Dust
730	8-0	0	20.9	0	0	00
800	8-4	0	20.9	0	0	00
830	40-0	0	20.9	0	0	.16
900	28-0	0	20.9	2	0	.15
930	18.9	0	20.8	3	0	.12
10 00 Break	15.4	0	20.9	1	0	.10
10 30	19.9	0	20.9	1	0	.10
11 00	14.2	0	20.8	1	0	.10
11 30	5.4	0	20.7	2	0	.10
1200	4.2	0	20.6	3	0	.11
1230 Lunch	3.5	0	20.7	2	0	.10
1 00	2.5	0	20.9	1	0	.08
130	3.5	0	20.7	1	0	.09
200	4.0	0	20.6	1	0	.09
230						
300						
330						
400						
430						
500						
530						
600						
Level D Limits:	<50 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<2.5 mg/m ³
Level C Limits:	<350 ppm	<10% LEL	19.5<O ₂ <22	<17.5 ppm	<2.5 ppm	<50 mg/m ³

Daily Air Monitoring Report

Project Name:	SMC Maestri	Monitored	Page:	1 of 2
Project Number:	04100-0531	By:	Date:	8 / 1 / 96

Air Treatment System Monitoring (three times/day)

Time:	700		
Wind Direction:	N-E		
Wind Speed:	0-5		
Temperature:	67°		
Effluent PID (ppmv):	0.0		
Effluent Air Flowrate (cfm):	242		
Effluent Air Loading (lbs/hr):	0		
Effluent Action Level (ppmv):	117.9	117.9	117.9

Note: Effluent Air Loading (lbs/hr) = $1.52 \times 10^{-5} \cdot (\text{ppmv}) \cdot (\text{cfm})$

Perimeter Air Monitoring (once daily)

Time:			Location	PID (ppm)	Location	PID (ppm)
Wind Direction:	NE		A	0.0 / 0.0	E	0.0 / 0.0
Wind Spd. (mph):	0-5		B	0.0 / 0.0	F	0.0 / 0.0
Temp. (deg C.):	28.0		C	0.0 / 0.0	G	0.0 / 0.0
			D	0.0 / 0.0	H	0.0 / 0.0

(see map in trailer for locations)

DUTY: 0-00 FOR ALL AT 12:00 AND 17:00

Daily NO₂ Exposure Badges

Name:	Wayne	Jim			
Reading: (ppm-hrs)	0	0			
Exp. Time (hrs)	7	7			

Appendix G
Equivalent SPDES Correspondence and
Permits

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233



Thomas C. Jorling
Commissioner

July 23, 1992

Mr. Vincent A. D'Ippolito
Environmental Services & Operations
ICI Americas Inc.
Wilmington, DE 19897

Re: Maestri Site
Groundwater IRM

Dear Mr. ^{Vince} D'Ippolito:

Per our discussion, please find enclosed a corrected set of Effluent Limitations and Monitoring Requirements for the Maestri Site groundwater treatment system.

Sincerely,

Gary E. Kline, P.E.
Project Manager
Maestri Site
Div. of Hazardous Waste Remediation

GEK/slh

Enclosure

cc, w/enc.: C. Branagh - DEC Region 7

SAL
FRM
P. NERVINA
G HARRIS
M F TIRZE
W P STILSON
L. A FREESE
FILE: KNU-MR-WPO-RU

RECEIVED

JUL 28 1992

Environment
& Operations
FILE: CC: TO:

SPDES PERMIT FACT SHEET

Prepared by: Robert Wither Date: 01/28/92

Company: ICI Americas Inc. Site No.: 7-34-025

Location: Geddes (T), Onondaga County Industrial Code No.: 9511

Industrial Segment: N/A Part No.: N/A

Type of Processing & Production Rate:

Groundwater Remediation

Basis for Technology Effluent Limitations:

N/A

PARAMETER

BASIS FOR PERMIT CONDITION

Outfall No.: 001 ; Treated Groundwater Discharge; Nominal Flow: 8 gpm

Flow	Monitor
Benzene	6NYCRR Part 703.6
Methylene Chloride	6NYCRR Part 703.6
Toluene	6NYCRR Part 703.6
1,2-(trans)-Dichloroethylene	6NYCRR Part 703.6
Vinyl Chloride	6NYCRR Part 703.6
Ethylbenzene	6NYCRR Part 703.6
o-Xylene	6NYCRR Part 703.6
m-Xylene	6NYCRR Part 703.6
p-Xylene	6NYCRR Part 703.6
Phenolics, Total	6NYCRR Part 703.6/Detection Limit
Bis (2-Ethylhexyl) Phthalate	6NYCRR Part 703.6
Di (N-Butyl) Phthalate	6NYCRR Part 703.6
Aluminum, Total	6NYCRR Part 703.6
Arsenic, Total	6NYCRR Part 703.6
Barium, Total	6NYCRR Part 703.6
Cadmium, Total	6NYCRR Part 703.6
Chromium, Total	6NYCRR Part 703.6
Copper, Total	6NYCRR Part 703.6
Iron, Total	6NYCRR Part 703.6
Manganese, Total	6NYCRR Part 703.6
Nickel, Total	6NYCRR Part 703.6
Silver, Total	6NYCRR Part 703.6
Zinc, Total	6NYCRR Part 703.6

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with the start up of groundwater remediation and treatment system and lasting until 5 years from date of startup of groundwater remediation and treatment system. The discharges from the treatment facility shall be limited and monitored by the operator as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.		Measurement Frequency	Sample Type
<u>001 - Treated Groundwater</u>					
Flow	Monitor	Monitor	gpd	Continuous	Recorder
Benzene	Monitor	0.7	ug/l	Weekly	Grab
Methylene Chloride	Monitor	5.0	ug/l	Weekly	Grab
Toluene	Monitor	5.0	ug/l	Weekly	Grab
1,2-(trans)-Dichloroethylene	Monitor	5.0	ug/l	Weekly	Grab
Vinyl Chloride	Monitor	5.0	ug/l	Weekly	Grab
Ethylbenzene	Monitor	5.0	ug/l	Weekly	Grab
o-Xylene	Monitor	5.0	ug/l	Weekly	Grab
m-Xylene	Monitor	5.0	ug/l	Weekly	Grab
p-Xylene	Monitor	5.0	ug/l	Weekly	Grab
Phenolics, Total	Monitor	2.0	ug/l	Weekly	Grab
Bis(2-Ethylhexyl) Phthalate	Monitor	4.2	mg/l	Weekly	Grab
Di-(N-Butyl) Phthalate	Monitor	0.77	mg/l	Weekly	Grab
Aluminum, Total	Monitor	2.0	mg/l	Monthly	Grab
Arsenic, Total	Monitor	0.05	mg/l	Monthly	Grab
Barium, Total	Monitor	2.0	mg/l	Monthly	Grab
Cadmium, Total	Monitor	0.02	mg/l	Monthly	Grab
Chromium, Total	Monitor	0.1	mg/l	Monthly	Grab

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with the start up of groundwater remediation and treatment system and lasting until 5 years from date of startup of groundwater remediation and treatment system. The discharges from the treatment facility shall be limited and monitored by the operator as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.		Measurement Frequency	Sample Type
<u>001 - Treated Groundwater:</u>					
Copper, Total	Monitor	1.0	mg/l	Monthly	Grab
Iron Total ¹	Monitor	0.6	mg/l	Monthly	Grab
Manganese, Total ¹	Monitor	0.6	mg/l	Monthly	Grab
Nickel, Total	Monitor	2.0	mg/l	Monthly	Grab
Silver, Total	Monitor	0.1	mg/l	Monthly	Grab
Zinc, Total	Monitor	5.0	mg/l	Monthly	Grab

1. The combined concentration of iron, total and manganese, total shall not exceed 1.0 mg/l.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPENDIX A
GENERAL CONDITIONS (Consent Orders)*

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* This version of General Conditions is intended to be incorporated as Appendix A of all Consent Orders for site remediation projects where a State Pollutant Discharge Elimination System permit is not required but where the order authorizes the treatment and discharge of wastewaters to the surface or groundwaters of New York State.

1. GENERAL PROVISIONS

- a. This order, or a true copy, shall be kept readily available for reference at the wastewater treatment facility.
- b. A determination has been made on the basis of a submitted plans, or other available information, that compliance with the provisions specified in this order will reasonably protect classified water use and assure compliance with applicable water quality standards. Satisfaction of these provisions notwithstanding, if operation pursuant to the order causes or contributes to a condition in contravention of State water quality standards, or if the Department determines, on the basis of notice provided by the operator and any related investigation, inspection or sampling, that a modification of the order is necessary to prevent impairment of the best use of the waters or to assure maintenance of water quality standards or compliance with other provisions of ECL, the Department may require such a modification and may require abatement action to be taken by the operator and may also prohibit the noticed act until the order has been modified.
- c. All discharges authorized by this order shall be consistent with the terms and conditions of this order. Facility expansion or other modifications, treatment and disposal system changes which will result in new or increased discharges of pollutants into the waters of the state must be reported by submission of a formal request for modification of this order. The discharge of any pollutant, not identified and authorized, or the discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this order shall constitute a violation of the terms and conditions of this order. Facility modifications which result in decreased discharges of pollutants must be reported by submission of written notice to the Department.
- d. Where the operator becomes aware that he/she failed to submit any relevant facts or submitted incorrect information prior to or in pursuit of this order or in any report to the Department, the operator shall promptly submit such facts or information.
- e. It shall not be a defense for an operator in an enforcement action that it would have been necessary to halt or reduce the authorized activity in order to maintain compliance with the conditions of this order, unless directed by the Department to continue the activity.
- f. The filing of a request for a modification of this order, or a notification of planned changes or anticipated noncompliance, does not stay any condition of this order.
- g. The operator shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, suspending, or revoking this order, or to determine compliance with this order. The operator shall also furnish to the Department, upon request, copies of records required to be kept by this order.

2. SPECIAL REPORTING REQUIREMENTS

Dischargers must notify the Department as soon as they know or have reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant (USEPA Priority Pollutants plus phenols, total) which is not specifically controlled in the order, pursuant to General Provision 1 (c) herein. For the purposes of this section, recurrent accidental or unintentional spills or releases on a frequent basis shall be considered to be a discharge.
- b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the order, if that discharge will exceed five times the maximum concentration value reported for that pollutant in the information submitted prior to this order; or the level established by the Department.
- c. That they will begin to use any toxic pollutant which was not reported prior to this order and which is being or may be discharged to waters of the state.

3. EXCLUSIONS

- a. The issuance of this order by the Department and the receipt thereof by the operator does not supersede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by said order.

- b. The issuance of this order does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations; nor does it obviate the necessity of obtaining the assent of any other jurisdiction as required by law for the discharge authorized.
- c. Unless specifically authorized in this order, the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters is not approved.

4. REPORTING NONCOMPLIANCE

- a. Anticipated noncompliance. The operator shall give advance notice to the Department of any planned changes in the authorized facility or activity which may result in noncompliance with this order as soon as the operator becomes aware that non-compliance will be unavoidable.
- b. Immediate and twenty-four hour reporting. The operator shall report any noncompliance which may endanger health or the environment. Any unusual situation, caused by a deviation from normal operation or experience (e.g. upsets, bypasses, inoperative treatment process units, spills or illegal chemical discharges or releases to the collection system) which create a potentially hazardous condition shall be orally reported immediately. Other information shall be provided orally within 24 hours from the time he or she becomes aware of the circumstances. A written noncompliance report shall also be provided within five (5) days of the time the operator becomes aware of the circumstances. The written noncompliance report shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent the noncompliance and its reoccurrence.
 - (1) The following shall be included as information which must be reported within 24 hours under paragraph (b) above:
 - (i) any unanticipated bypass which violates any effluent limitation in the order;
 - (ii) any upset which violates any effluent limitation in the order;
 - (iii) violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the order to be reported within 24 hours.
 - (2) The Department may waive, at their discretion, the written report on a case-by-case basis if the oral report has been received within 24 hours.
 - (3) Reports required by this section shall be filed with the Department's regional office having jurisdiction over the facility. During weekends and holidays, oral noncompliance reports, required by this paragraph, may be made at (518) 457-7362.
- c. Duty to mitigate. The operator shall take all reasonable steps to minimize or prevent any discharge in violation of this order which has a reasonable likelihood of adversely affecting human health or the environment.

5. INSPECTION AND ENTRY

The operator shall allow the Commissioner of the Department, the New York State Department of Health, the County Health Department, or their authorized representatives, upon the presentation of credentials and other documents as may be required by law, to:

- a. enter upon the operator's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this order;
- b. have access to and copy, at reasonable times, any records that must be kept under the conditions of this order, including records maintained for purposes of operation and maintenance;
- c. inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this order, and
- d. sample or monitor at reasonable times, for the purposes of assuring compliance with this order or as otherwise authorized by the Environmental Conservation Law, any substances or parameters at any location.

6. SPECIAL PROVISIONS - NEW OR MODIFIED DISPOSAL SYSTEMS

- a. Prior to construction of any new or modified waste disposal system or modification of a facility generating wastewater which could alter the design volume of, or the method or effect of treatment or disposing of the wastes from an existing waste disposal system, the operator shall submit to the Department or its designated field office for review, an approvable engineering report, plans, and specifications which have been prepared by a person or firm licensed to practice Professional Engineering in the State of New York.
- b. The construction of the above new or modified disposal system shall not start until the operator receives written approval of the system from the Department or its designated field office.
- c. The construction of the above new or modified disposal system shall be under the general supervision of a person or firm licensed to practice Professional Engineering in New York State. Upon completion of construction, that person or firm shall certify to the Department or its designated field office that the system has been fully completed in accordance with the approved engineering report, plans and specifications and letter of approval; and the operator shall receive written acceptance of such certificate from the Department or designated field agency prior to commencing discharge.
- d. The Department and its designated field offices review wastewater disposal system reports, plans, and specifications for treatment process capability only, and approval by either office does not constitute approval of the system's structural integrity.

7. MONITORING, RECORDING, AND REPORTING

7.1 GENERAL

- a. The operator shall comply with all recording, reporting, monitoring and sampling requirements specified in this order and such other additional terms, provisions, requirements or conditions that the Department may deem to be reasonably necessary to achieve the purposes of the Environmental Conservation Law, or rules and regulations adopted pursuant thereto.
- b. Samples and measurements taken to meet the monitoring requirements specified in this order shall be representative of the quantity and character of the monitored discharges. Composite samples shall be composed of a minimum of 8 grab samples, collected over the specified collection period, either at a constant sample volume for a constant flow interval or at a flow-proportioned sample volume for a constant time interval, unless otherwise specified in this order. For GC/MS Volatile Organic Analysis (VOA), aliquots must be combined in the laboratory immediately before analysis. At least 4 (rather than 8) aliquots or grab samples should be collected over the specified collection period. Grab sample means a single sample, taken over a period not exceeding 15 minutes.
- c. Accessible sampling locations must be provided, maintained and identified by the operator. New sampling locations shall be provided if proposed or existing locations are deemed unsuitable by the Department or its designated field agency.
- d. Actual measured values of all positive analytical results obtained above the Practical Quantitation Limit (PQL)¹ for all monitored parameters shall be recorded and reported, as required by this order; except, for parameters which are limited in this order to values below the PQL, actual measured values for all positive analytical results above the Method Detection Limit (MDL)² shall be reported.
- e. The operator shall periodically calibrate and perform manufacturer's recommended maintenance procedures on all monitoring and analytical instrumentation to insure accuracy of measurements. Verification of maintenance shall be logged into the daily record book(s) of the facility. The operator shall notify the Department's regional office immediately if any required instrumentation becomes inoperable. In addition, the operator shall verify the accuracy of their measuring equipment to the Department's Regional Office annually.

¹ Practical Quantitation Limit (PQL) is the lowest level that can be measured within specified limits of precision and accuracy during routine laboratory operations on most effluent matrices.

² Method Detection Limit (MDL) is the level at which the analytical procedure referenced is capable of determining with a 99% probability that the substance is present. This value is determined in distilled water with no interfering substances present. The precision at this level is +/- 100%.

7.2 SIGNATORIES AND CERTIFICATION

a. All reports required by this order shall be signed as follows:

- (1) for a corporation: by a responsible corporate officer. For the purposes of this section, a responsible corporate officer means:
 - (i) a president, secretary, treasurer, or a vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making function for the corporation, or
 - (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- (2) for a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- (3) for a municipality, state, federal, or other public agency: by either a principal or executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes: (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency; or
- (4) a duly authorized representative of the person described in items (1), (2), or (3). A person is a duly authorized representative only if:
 - (i) the authorization is made in writing by a person described in paragraph (a)(1), (2), or (3) of this section;
 - (ii) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
 - (iii) the written authorization is submitted to the Department.

b. Changes to authorization: If an authorization under subparagraph (a)(4) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of subparagraph (a)(4) of this section must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.

c. Certification: Any person signing a report shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision, in accordance with a system, designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the order or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

7.3 RECORDING OF MONITORING ACTIVITIES AND RESULTS

a. The operator shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this order, and records of all data used to complete the application for this order, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.

- b. Records of monitoring information shall include:
 - (1) the date, exact place, and time of sampling or measurement;
 - (2) the individual(s) who performed the sampling or measurements;
 - (3) the date(s) analyses were performed;
 - (4) the individual(s) who performed the analyses;
 - (5) the analytical techniques or methods used; and
 - (6) the results of such analyses.

7.4 TEST AND ANALYTICAL PROCEDURES

- a. Monitoring and analysis must be conducted using test procedures promulgated, pursuant to 40 CFR Part 136, except:
 - (1) should the Department require the use of a particular test procedure, such test procedure will be specified in this order.
 - (2) should the operator desire to use a test method not approved herein, prior Department approval is required, pursuant to paragraph (b) of this section.
 - b. Application for approval of test procedures shall be made to the Director of DEC's Division of Water, and shall contain:
 - (1) the name and address of the applicant or the responsible person making the discharge, identification of this particular order and the telephone number of applicant's contact person;
 - (2) the names of the pollutants or parameters for which an alternate testing procedure is being requested, and the monitoring location(s) at which each testing procedure will be utilized;
 - (3) justification for using test procedures, other than those approved in paragraph (a) of this section; and
 - (4) a detailed description of the alternate procedure, together with:
 - (i) references to published studies, if any, of the applicability of the alternate test procedure to the effluent in question;
 - (ii) information on known interferences, if any; and
 - (5) a comparability study, using both approved and proposed methods. The study shall consist of 8 replicates of 3 samples from a well mixed waste stream for each outfall if less than 5 outfalls are involved, or from 5 outfalls if 5 or more outfalls are involved. Four (4) replicates from each of the samples must be analyzed using a method approved in paragraph (a) of this section, and four replicates of each sample must be analyzed using the proposed method. This results in 24 analyses per outfall up to a maximum of 120 analyses. A statistical analysis of the data must be submitted that shall include, as a minimum:
 - (i) calculated statistical mean and standard deviation;
 - (ii) a test for outliers at the mean \pm 3 standard deviations level. Where an outlier is detected an additional sample must be collected and 8 replicates of the sample must be analyzed as specified above;
 - (iii) a plot distribution with frequency counts and histogram;
 - (iv) a test for equality among within sample standard deviation;
 - (v) a check for equality of pooled within sample variance with an F-Test;
 - (vi) a t-Test to determine equality of method means; and
- copies of all data generated in the study.

Additional information can be obtained by contacting the Bureau of Technical Services & Research (NYSDEC, 50 Wolf Road, Albany, New York 12233 - 3502).

8.1 GENERAL

- a. The disposal system shall not receive or be committed to receive wastes from unapproved sources, nor wastes beyond its design capacity as to volume and character of wastes treated, nor shall the system be materially altered as to type, degree, or capacity of treatment provided; disposal of treated effluent; or treatment and disposal of separated scum, liquids, solids or combination thereof resulting from the treatment process without written approval of the Department of Environmental Conservation or its designated field office.
- b. The operator shall, at all times, properly operate and maintain all facilities and systems of treatment and control (or related appurtenances) which are installed or used by the operator to achieve compliance with the conditions of this order. Proper operation and maintenance also includes as a minimum, the following: 1) A preventive/corrective maintenance program. 2) A site specific action orientated operation and maintenance manual for routine use, training new operators, adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of installed backup or auxiliary facilities or similar systems only when the operation is necessary to achieve compliance with the conditions of the order.
- c. The operator shall not discharge floating solids or visible foam.

8.2 BYPASS

a. Definitions:

- (1) "Bypass" means the intentional or unintentional diversion of waste stream(s) around any portion of a treatment facility for the purpose or having the effect of reducing the degree of treatment intended for the bypassed portion of the treatment facility.
- (2) "Severe property damage" means substantial damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which would not reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not exceeding limitations:

The operator may allow any bypass to occur which does not cause effluent limitations to be violated, but only if it also is for essential maintenance, repair or replacement to assure efficient and proper operation. These bypasses are not subject to the provisions of paragraph (c) and (d) of this section, provided that written notice is submitted prior to bypass (if anticipated) or as soon as possible after bypass (if unanticipated), and no public health hazard is created by the bypass.

c. Notice:

- (1) Anticipated bypass - If the operator knows in advance of the need for a bypass, it shall submit prior written notice, at least forty five (45) days before the date of the bypass.
- (2) Unanticipated bypass - The operator shall submit notice of an unanticipated bypass as required in Section 4, paragraph b. of this Part (24 hour notice).

d. Prohibition of bypass:

- (1) Bypass is prohibited, and the Department may take enforcement action against a operator for bypass, unless:
 - (i) bypass was unavoidable to prevent loss of life, personal injury, public health hazard, or severe property damage;
 - (ii) there were no feasible alternatives to the bypass such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal period of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance or if designed and installed backup equipment which could have prevented or mitigated the impact of the bypass is not operating during the bypass; and
 - (iii) the operator submitted notices as required under paragraph (c) of this section and, excepting emergency conditions, the proposed bypass was accepted by the Department.

a. Definition:

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with order effluent limitations because of factors beyond the reasonable control of the operator. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. Effect of an upset:

An upset constitutes an affirmative defense to an action brought for noncompliance with such order effluent limitations if the requirements of paragraph (c) of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

c. Conditions necessary for a demonstration of upset:

An operator who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operation logs, or other relevant evidence that:

- (1) an upset occurred and that the operator can identify the cause(s) of the upset;
- (2) the facility was at the time being properly operated; and
- (3) the operator submitted notice of the upset as required in Section 4, paragraph b of this part (24 hour notice).
- (4) the operator complied with any remedial measures required under Section 4, paragraph d of this part.

d. Burden of proof:

In any enforcement proceeding the operator seeking to establish the occurrence of an upset has the burden of proof.

8.4 SPECIAL CONDITION - DISPOSAL SYSTEMS WITH SEPTIC TANKS

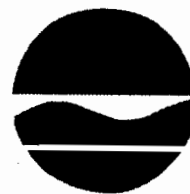
If a septic tank is installed as part of the disposal system, it shall be inspected by the operator or his agent for scum and sludge accumulation at intervals not to exceed one year's duration, and such accumulation will be removed before the depth of either exceeds one-fourth (1/4) of the liquid depth so that no settleable solids or scum will leave in the septic tank effluent. Such accumulation shall be disposed of in an approved manner.

8.5 SLUDGE DISPOSAL

The storage or disposal of collected screenings, sludges, other solids, or precipitates separated from the authorized discharges and/or intake or supply water by the operator shall be done in such a manner as to prevent creation of nuisance conditions or entry of such materials into classified waters or their tributaries, and in a manner approved by the Department. Any live fish, shellfish, or other animals collected or trapped as a result of intake water screening or treatment should be returned to their water body habitat. The operator shall maintain records of disposal on all effluent screenings, sludges and other solids associated with the discharge(s) herein described. The following data shall be compiled and reported to the Department or its designated field office upon request:

- a. the sources of the materials to be disposed of;
- b. the approximate volumes, weights, water content and (if other than sewage sludge) chemical composition;
- c. the method by which they were removed and transported, including the name and permit number of the waste transporter; and
- d. their final disposal locations.

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233



Michael D. Zagata
Commissioner

December 19, 1996

RECEIVED

Route To _____

DEC 22 1996

Proj: Maestri

File Code: 2B

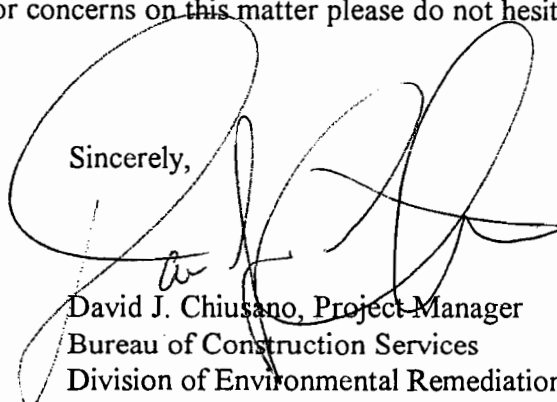
**RE: Temporary Increased Groundwater Extraction, Treatment and
Discharge Maestri Site #7-34-025, Geddes, New York**

Dear Mr. Sykes:

Staff from the Department have reviewed your proposal to temporary increase groundwater extraction, treatment, and discharge by 20 gpm for a period of up to thirty (30) days at the subject site. Based upon our review your proposal has been approved, provided that the Town of Geddes is made aware of the increased discharge, and don't have concerns of their own. Should additional time be necessary for the increased discharge please notify me in advance so that the necessary approvals can be secured.

Should you have any further questions or concerns on this matter please do not hesitate to contact me at (518) 457-7878.

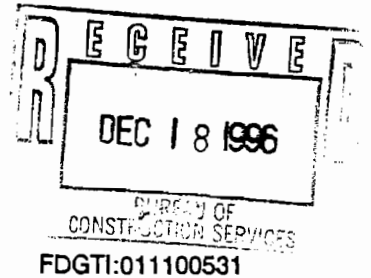
Sincerely,


David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: J.May, Region 7
D.Albers/P.Barth, E&E
Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC - Maestri Site



FLUOR DANIEL GTI



December 6, 1996

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233-7010

**Subject: Temporary Increased Groundwater Extraction, Treatment and Discharge
Maestri Site #7-34-025, Geddes, New York**

Dear Mr. Chiusano,

As we discussed in our December 4, 1996 meeting, Fluor Daniel GTI and Stauffer Management Company request approval to increase the extraction, treatment and discharge rate at the Maestri Site in order to remove enough groundwater from the excavation to allow for excavation of the remaining contaminated soil.

We propose the following:

- Continue to operate the existing treatment system at the existing extraction and treatment rates (pumping from 6 wells at a total rate of 4-8 gpm)
- Pump groundwater from the excavation to a 20,000 gallon tank
- Pump groundwater from the 20,000 gallon tank through treatment including:
 - Bag filter
 - Granular activated carbon units (2 in series)
 - Discharge through the existing discharge piping at 20 gpm nominal rate

The attached schematic details the extraction and treatment process.

This system would be started immediately following your approval and be operated up to 30 days. Sampling would be completed in accordance with the existing permit.

Thank you for your expeditious review of this temporary discharge proposal. If you have any questions or comments, please don't hesitate to call me at (518) 370-5631.

Sincerely,
Fluor Daniel GTI

Michael P. Sykes
Project Manager

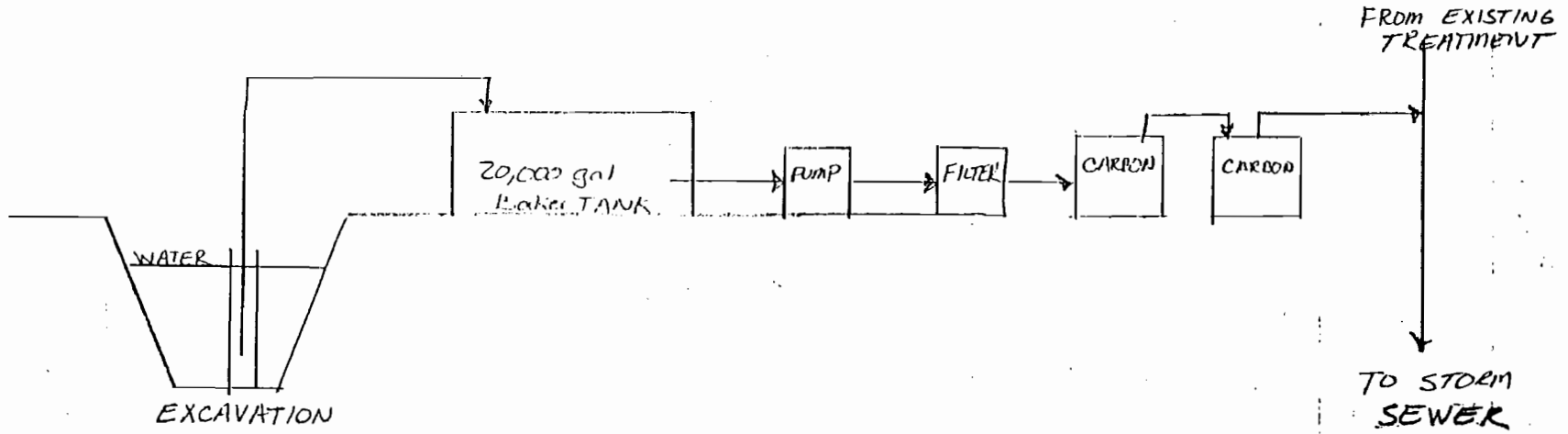
attach: Process Flow Diagram

cc: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC
Paul Barth, E&E
John May, Region 7 - NYSDEC
Don Shosky, FDGTI
Brian Trapp, FDGTI

PROCESS FLOW DIAGRAM

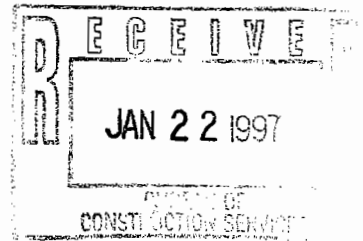
MAESTRI SITE

TEMPORARY TREATMENT SYSTEM





FLUOR DANIEL GTI



January 16, 1997

VIA: FACSIMILE AND U.S. MAIL

Mr. David Chiusano
New York State Department Of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233-7010

**Subject: Temporary Treatment System Discharge Permit
SMC Maestri Site
Geddes, New York
Fluor Daniel GTI Project: 011100531**

Dear Mr. Chiusano,

On the behalf of Stauffer Management Corporation, Fluor Daniel GTI, Inc. would like to request a 30-day extension to the existing temporary discharge permit at the above referenced site. This request is necessary because the volume of soil to be removed was larger than originally anticipated, and is therefore, requiring longer to excavate. The system will continue to be operated as originally described, and the weekly sampling will continue until the system is taken off-line.

According to the current excavation and construction schedule, the temporary treatment system will be shut down in two weeks' time, once the bottom drainage layer has been completed. As always, please do not hesitate to call us at (518) 370-5631 with any questions or comments.

Sincerely,
Fluor Daniel GTI, Inc.

Michael P. Sykes
Project Manager

MPS:mbe

#65bc/maestri/0531prmt.197

DUVEL



John P. Cahill
Acting Commissioner

January 22, 1997

Mr. Michael P. Sykes
Project Manager
Fluor Daniel GTI
1245 Kings Road
Schenectady, New York 12303

Dear Mr. Sykes:

Re: Temporary Treatment System Discharge Permit
Maestri Site, #7-34-025, Town of Geddes

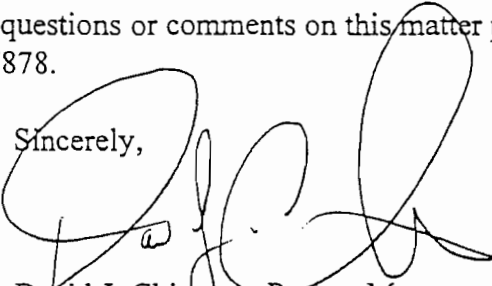
The Department has received your request to extend the existing thirty-day (30) temporary discharge permit at the subject site another 30 days. During the DOW's and my review I was provided with additional information which indicates that there were a number of discharge samples collected that were subsequently determined to be out of compliance based on laboratory analysis. Specifically, the following summary of non-compliant data was brought to my attention on January 21, 1997:

<u>DATE OF SAMPLING</u>	<u>CONTAMINANT</u>	<u>CONCENTRATION (PPB)</u>	<u>LIMIT(PPB)</u>
1/8/97	O-Xylene	96	5
	M-Xylene	18	5
	Phenols (Total)	7.6	2
	Aluminum (Total)	9.57 PPM	2PPM
12/24/96	O-Xylene	26	5
	Phenols (Total)	5.4	2
12/17/96	Phenols (Total)	3.4	2

Consequently, approval can not be granted until the Department receives a response from GTI and/or SMC which evaluates the above data, determines a cause, and proposes a solution. Once a response is received and reviewed to the satisfaction of the Department, temporary discharge will again be granted.

Should you have any further questions or comments on this matter please do not hesitate to contact me at (518) 457-7878.

Sincerely,

A large, stylized handwritten signature in black ink, likely belonging to David J. Chiusano, is written over the typed name and title.

David J. Chiusano, Project Manager
Western Field Services Section
Bureau of Construction Services
Division of Environmental Remediation


cc: H.Hamil, DOH-Syracuse
J.May, Region 7-NYSDEC
D.Albers/P.Barth, E&E
J.MacArthur, SMC
C.Goddard, SMC
E.Rice, SMC-Maestri Site
B.Baker, DOW-Albany

bcc: G.Harris
D.Chiusano(2) ✓
Dayfile



John P. Cahill
Acting
Commissioner

M E M O R A N D U M

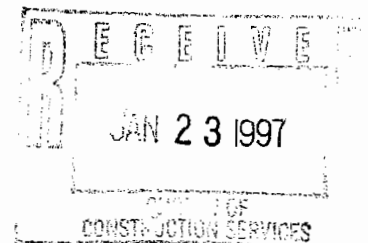
TO: David Chiusano, BCS, DER
FROM: Brian Baker, BWP, DOW 
SUBJECT: Maestri Site - Temporary Treatment System Discharge
DATE: January 21, 1997

I have reviewed the January 16, 1997 request from Michael Sykes, Fluor Daniel GTI's project manager for the above referenced Superfund Site, to extend the existing temporary discharge authorization.

The Division of Water hereby grants the requested extension to the temporary discharge authorization at the Maestri site. All conditions and monitoring requirements remain as written in the existing discharge authorization. This extension is valid through February 28, 1997.

Please contact me at 7-9598 if you have any questions or require additional information.

BB:sj





FILE

February 7, 1997

Proj: Maestri
File Code: 2A

Mr. David Chiusano
Bureau of Construction Services
Division of Environmental Remediation
New York State Department
Of Environmental Conservation
50 Wolf Road
Albany, New York 12233-7010

**Subject: Temporary Treatment System Discharge Permit
SMC Maestri Site
Geddes, New York
Fluor Daniel GTI Project: 011100531**

Dear Mr. Chiusano,

On the behalf of Stauffer Management Corporation, Fluor Daniel GTI, Inc. would like to request an extension to the existing temporary discharge permit at the above referenced site. This request is made in order to allow control of the water in the excavation until backfilling is completed (preliminarily scheduled for July 1997).

As previously discussed, there have been system excursions during the past 30 days of operation due to the discussed high contaminant concentrations created during soil excavation. The following process improvements will be initiated in order to improve the system performance.

- The system flow rate will be kept below 10 g.p.m., the recommended flow rate for the HP200 units.
- Three HP200 carbon units will be installed in series, instead of the original two sets of two units in series design.
- Water samples will be collected every Tuesday, and analyzed for the SPDES compounds with 48 hour turn around time. Every Friday the data will be reviewed and appropriate action will be taken.

#65bc/maestri/spdes.297



FLUOR DANIEL GTI

Fluor Daniel GTI feel that the above referenced actions will prevent future system excursions. As always, please do not hesitate to call us at (518) 370-5631 with any questions or comments.

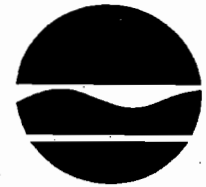
Sincerely,
Fluor Daniel GTI, Inc.

Brian M Trapp FOR

Michael P. Sykes
Project Manager

MPS:mbe

c: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC
Brian Trapp, Fluor Daniel GTI
Dave Cook, Fluor Daniel GTI



John P. Cahill
Acting Commissioner

February 13, 1997

Michael P. Sykes, Project Manager
Fluor Daniel GTI
1245 Kings Road
Schenectady, NY 12303

**RE: Temporary Treatment System Discharge Permit
SMC Maestri Site, #7-34-025, Geddes, New York**

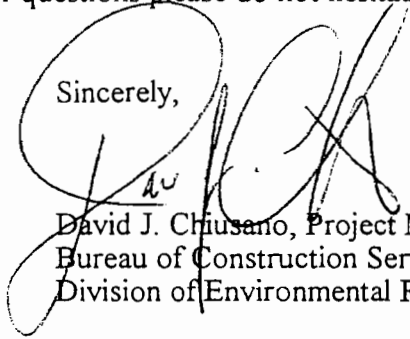
Dear Mr. Sykes:

I have reviewed your February 7, 1997 letter which again requests to extend the previously expired temporary discharge permit another 30 days at the subject site. Based upon that review it appears that the Department's concerns as outlined within my 1/22/97 (enclosed) to you have been satisfactorily addressed. However, before approval can be given SMC/GTI must also commit to sampling between the first two carbon drums every Tuesday at the same with the water samples also expected to be collected. Furthermore, the Department requests that the results for these samples also be turned around within 48 hours.

Upon receiving written commitment to collect and analyze these additional samples, the Department will grant your request for another 30 day temporary discharge permit. The 30 days will begin from the day extraction of this additional water begins in the field. This start date also has to be documented and provided to me by either SMC or GTI.

Should you have any further comments or questions please do not hesitate to contact me at (518) 457-7878.

Sincerely,


David J. Chiusano, Project Manager
Bureau of Construction Services
Division of Environmental Remediation

cc: H.Hamel, DOH-Syracuse
J.May, Region 7 - NYSDEC
D.Albers/P.Barth, E&E
C.Goddard/J.MacArthur, SMC
E.Rice, SMC-Maestri Site
B.Baker, DOW-Albany

bcc: G.Harris
D.Chiusano(2)
Dayfile



New York State Department of Environmental Conservation

MEMORANDUM

TO:
FROM:
SUBJECT:
DATE:

Brian Baker, Division of Water

David J. Chiusano, Western Field Services Section, Bur. of Construction Services, DER
SPDES Reapplication, Maestri Site, #7-34-025

JUL 22 1999

An original approval for discharge of treated groundwater at the subject site was given by Bob Wither in January 1992 (see attachment #1). In accordance with that approval, the established effluent criteria was effective "**During the period beginning with the start-up of groundwater remediation and treatment system and lasting until 5 years from date of start-up of groundwater remediation and treatment system.**"

As such the PRP, Stauffer Management Company, has since reapplied for continued operation, treatment, and discharge of wastewater at the subject site. Their enclosed application has been attached for your review (attachment #2).

Please feel free to contact should you have any questions or require further information regarding this matter.

Attachment

cc: w/Att. - S.Eidt, Region 7
J. May, Region 7
H. Hamel, NYSDOH - Syracuse

DJC/mj

bcc: G. Kline

D. Chiusano, w/Att.

Dayfile

a:\mstspdes.wpd

ATTACHMENT #1

SPDES PERMIT FACT SHEET

Prepared by: Robert Wither Date: 01/28/95

Company: ICI Americas Inc. Site No.: 7-34-025

Location: Geddes (T), Onondaga County Industrial Code No.: 951

Industrial Segment: N/A Part No.: N/A

Type of Processing & Production Rate:

Groundwater Remediation

Basis for Technology Effluent Limitations:

N/A

PARAMETER

BASIS FOR PERMIT CONDITION

Outfall No.: 001 ; Treated Groundwater Discharge; Nominal Flow: 8 gpm

low

Monitor

Benzene

6NYCRR Part 703.6

Methylene Chloride

6NYCRR Part 703.6

Toluene

6NYCRR Part 703.6

1,2-(trans)-Dichloroethylene

6NYCRR Part 703.6

Vinyl Chloride

6NYCRR Part 703.6

Ethylbenzene

6NYCRR Part 703.6

o-Xylene

6NYCRR Part 703.6

m-Xylene

6NYCRR Part 703.6

p-Xylene

6NYCRR Part 703.6

Phenolics, Total

6NYCRR Part 703.6/Detection Limit

Bis (2-Ethylhexyl) Phthalate

6NYCRR Part 703.6

Di (N-Butyl) Phthalate

6NYCRR Part 703.6

Aluminum, Total

6NYCRR Part 703.6

Arsenic, Total

6NYCRR Part 703.6

Barium, Total

6NYCRR Part 703.6

Cadmium, Total

6NYCRR Part 703.6

Chromium, Total

6NYCRR Part 703.6

Copper, Total

6NYCRR Part 703.6

Iron, Total

6NYCRR Part 703.6

Manganese, Total

6NYCRR Part 703.6

Nickel, Total

6NYCRR Part 703.6

Silver, Total

6NYCRR Part 703.6

Zinc, Total

6NYCRR Part 703.6

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with the start up of groundwater remediation and treatment system and lasting until 5 years from date of startup of groundwater remediation and treatment system. The discharges from the treatment facility shall be limited and monitored by the operator as specified below.

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.		Measurement Frequency	Sampling
<u>001 - Treated Groundwater</u>					
Flow	Monitor	Monitor	gpd	Continuous	Recorder
Benzene	Monitor	0.7	ug/l	Weekly	Grab
Methylene Chloride	Monitor	5.0	ug/l	Weekly	Grab
Toluene	Monitor	5.0	ug/l	Weekly	Grab
1,2-(trans)-Dichloroethylene	Monitor	5.0	ug/l	Weekly	Grab
Vinyl Chloride	Monitor	5.0	ug/l	Weekly	Grab
Ethylbenzene	Monitor	5.0	ug/l	Weekly	Grab
o-Xylene	Monitor	5.0	ug/l	Weekly	Grab
m-Xylene	Monitor	5.0	ug/l	Weekly	Grab
p-Xylene	Monitor	5.0	ug/l	Weekly	Grab
Phenolics, Total	Monitor	2.0	ug/l	Weekly	Grab
Bis(2-Ethylhexyl) Phthalate	Monitor	4.2	mg/l	Weekly	Grab
Di-(N-Butyl) Phthalate	Monitor	0.77	mg/l	Weekly	Grab
Aluminum, Total	Monitor	2.0	mg/l	Monthly	Grab
Arsenic, Total	Monitor	0.05	mg/l	Monthly	Grab
Barium, Total	Monitor	2.0	mg/l	Monthly	Grab
Cadmium, Total	Monitor	0.02	mg/l	Monthly	Grab
Chromium, Total	Monitor	0.1	mg/l	Monthly	Grab

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with the start up of groundwater remediation and treatment system and lasting until 5 years from date of startup of groundwater remediation and treatment system. The discharges from the treatment facility shall be limited and monitored by the operator as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max		Measurement Frequency	Sampl Type
<u>001 - Treated Groundwater:</u>					
Copper, Total	Monitor	1.0	mg/l	Monthly	Grab
Iron Total ¹	Monitor	0.6	mg/l	Monthly	Grab
Manganese, Total ¹	Monitor	0.6	mg/l	Monthly	Grab
Nickel, Total	Monitor	2.0	mg/l	Monthly	Grab
Silver, Total	Monitor	0.1	mg/l	Monthly	Grab
Zinc, Total	Monitor	5.0	mg/l	Monthly	Grab

1. The combined concentration of iron, total and manganese, total shall not exceed 1.0 mg/l.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPENDIX A GENERAL CONDITIONS (Consent Orders)*

<u>SECTION</u>	<u>PAGE(s)</u>
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* This version of General Conditions is intended to be incorporated as Appendix A of all Consent Orders for site remediation projects where a State Pollutant Discharge Elimination System permit is not required but where the order authorizes the treatment and discharge of wastewaters to the surface or groundwaters of New York State.

1. GENERAL PROVISIONS

- a. This order, or a true copy, shall be kept readily available for reference at the wastewater treatment facility.
- b. A determination has been made on the basis of a submitted plans, or other available information, that compliance with the provisions specified in this order will reasonably protect classified water use and assure compliance with applicable water quality standards. Satisfaction of these provisions notwithstanding, if operation pursuant to the order causes or contributes to a condition in contravention of State water quality standards, or if the Department determines, on the basis of notice provided by the operator and any related investigation, inspection or sampling, that a modification of the order is necessary to prevent impairment of the best use of the waters or to assure maintenance of water quality standards or compliance with other provisions of ECL, the Department may require such a modification and may require abatement action to be taken by the operator and may also prohibit the noticed act until the order has been modified.
- c. All discharges authorized by this order shall be consistent with the terms and conditions of this order. Facility expansion or other modifications, treatment and disposal system changes which will result in new or increased discharges of pollutants into the waters of the state must be reported by submission of a formal request for modification of this order. The discharge of any pollutant, not identified and authorized, or the discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this order shall constitute a violation of the terms and conditions of this order. Facility modifications which result in decreased discharges of pollutants must be reported by submission of written notice to the Department.
- d. Where the operator becomes aware that he/she failed to submit any relevant facts or submitted incorrect information prior to or in pursuit of this order or in any report to the Department, the operator shall promptly submit such facts or information.
- e. It shall not be a defense for an operator in an enforcement action that it would have been necessary to halt or reduce the authorized activity in order to maintain compliance with the conditions of this order, unless directed by the Department to continue the activity.
- f. The filing of a request for a modification of this order, or a notification of planned changes or anticipated noncompliance, does not stay any condition of this order.
- g. The operator shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, suspending, or revoking this order, or to determine compliance with this order. The operator shall also furnish to the Department, upon request, copies of records required to be kept by this order.

2. SPECIAL REPORTING REQUIREMENTS

Dischargers must notify the Department as soon as they know or have reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant (USEPA Priority Pollutants plus phenols, total) which is not specifically controlled in the order, pursuant to General Provision 1 (c) herein. For the purposes of this section, recurrent accidental or unintentional spills or releases on a frequent basis shall be considered to be a discharge.
- b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the order, if that discharge will exceed five times the maximum concentration value reported for that pollutant in the information submitted prior to this order; or the level established by the Department.
- c. That they will begin to use any toxic pollutant which was not reported prior to this order and which is being or may be discharged to waters of the state.

3. EXCLUSIONS

- a. The issuance of this order by the Department and the receipt thereof by the operator does not supersede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by said order.

- b. The issuance of this order does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations; nor does it obviate the necessity of obtaining the assent of any other jurisdiction as required by law for the discharge authorized.
- c. Unless specifically authorized in this order, the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters is not approved.

4. REPORTING NONCOMPLIANCE

- a. Anticipated noncompliance. The operator shall give advance notice to the Department of any planned changes in the authorized facility or activity which may result in noncompliance with this order as soon as the operator becomes aware that non-compliance will be unavoidable.
- b. Immediate and twenty-four hour reporting. The operator shall report any noncompliance which may endanger health or the environment. Any unusual situation, caused by a deviation from normal operation or experience (e.g. upsets, bypasses, inoperative treatment process units, spills or illegal chemical discharges or releases to the collection system) which create a potentially hazardous condition shall be orally reported immediately. Other information shall be provided orally within 24 hours from the time he or she becomes aware of the circumstances. A written noncompliance report shall also be provided within five (5) days of the time the operator becomes aware of the circumstances. The written noncompliance report shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent the noncompliance and its recurrence.
 - (1) The following shall be included as information which must be reported within 24 hours under paragraph (b) above:
 - (i) any unanticipated bypass which violates any effluent limitation in the order;
 - (ii) any upset which violates any effluent limitation in the order;
 - (iii) violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the order to be reported within 24 hours.
 - (2) The Department may waive, at their discretion, the written report on a case-by-case basis if the oral report has been received within 24 hours.
 - (3) Reports required by this section shall be filed with the Department's regional office having jurisdiction over the facility. During weekends and holidays, oral noncompliance reports, required by this paragraph, may be made at (518) 457-7362.
- c. Duty to mitigate. The operator shall take all reasonable steps to minimize or prevent any discharge in violation of this order which has a reasonable likelihood of adversely affecting human health or the environment.

5. INSPECTION AND ENTRY

The operator shall allow the Commissioner of the Department, the New York State Department of Health, the County Health Department, or their authorized representatives, upon the presentation of credentials and other documents as may be required by law, to:

- a. enter upon the operator's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this order;
- b. have access to and copy, at reasonable times, any records that must be kept under the conditions of this order, including records maintained for purposes of operation and maintenance;
- c. inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this order, and
- d. sample or monitor at reasonable times, for the purposes of assuring compliance with this order or as otherwise authorized by the Environmental Conservation Law, any substances or parameters at any location.

6. SPECIAL PROVISIONS - NEW OR MODIFIED DISPOSAL SYSTEMS

- a. Prior to construction of any new or modified waste disposal system or modification of a facility generating wastewater which could alter the design volume of, or the method or effect of treatment or disposing of the wastes from an existing waste disposal system, the operator shall submit to the Department or its designated field office for review, an approvable engineering report, plans, and specifications which have been prepared by a person or firm licensed to practice Professional Engineering in the State of New York.
- b. The construction of the above new or modified disposal system shall not start until the operator receives written approval of the system from the Department or its designated field office.
- c. The construction of the above new or modified disposal system shall be under the general supervision of a person or firm licensed to practice Professional Engineering in New York State. Upon completion of construction, that person or firm shall certify to the Department or its designated field office that the system has been fully completed in accordance with the approved engineering report, plans and specifications and letter of approval; and the operator shall receive written acceptance of such certificate from the Department or designated field agency prior to commencing discharge.
- d. The Department and its designated field offices review wastewater disposal system reports, plans, and specifications for treatment process capability only, and approval by either office does not constitute approval of the system's structural integrity.

7. MONITORING, RECORDING, AND REPORTING

7.1 GENERAL

- a. The operator shall comply with all recording, reporting, monitoring and sampling requirements specified in this order and such other additional terms, provisions, requirements or conditions that the Department may deem to be reasonably necessary to achieve the purposes of the Environmental Conservation Law, or rules and regulations adopted pursuant thereto.
- b. Samples and measurements taken to meet the monitoring requirements specified in this order shall be representative of the quantity and character of the monitored discharges. Composite samples shall be composed of a minimum of 8 grab samples, collected over the specified collection period, either at a constant sample volume for a constant flow interval or at a flow-proportioned sample volume for a constant time interval, unless otherwise specified in this order. For GC/MS Volatile Organic Analysis (VOA), aliquots must be combined in the laboratory immediately before analysis. At least 4 (rather than 8) aliquots or grab samples should be collected over the specified collection period. Grab sample means a single sample, taken over a period not exceeding 15 minutes.
- c. Accessible sampling locations must be provided, maintained and identified by the operator. New sampling locations shall be provided if proposed or existing locations are deemed unsuitable by the Department or its designated field agency.
- d. Actual measured values of all positive analytical results obtained above the Practical Quantitation Limit (PQL)¹ for all monitored parameters shall be recorded and reported, as required by this order, except, for parameters which are limited in this order to values below the PQL, actual measured values for all positive analytical results above the Method Detection Limit (MDL)² shall be reported.
- e. The operator shall periodically calibrate and perform manufacturer's recommended maintenance procedures on all monitoring and analytical instrumentation to insure accuracy of measurements. Verification of maintenance shall be logged into the daily record book(s) of the facility. The operator shall notify the Department's regional office immediately if any required instrumentation becomes inoperable. In addition, the operator shall verify the accuracy of their measuring equipment to the Department's Regional Office annually.

¹ Practical Quantitation Limit (PQL) is the lowest level that can be measured within specified limits of precision and accuracy during routine laboratory operations on most effluent matrices.

² Method Detection Limit (MDL) is the level at which the analytical procedure referenced is capable of determining with a 99% probability that the substance is present. This value is determined in distilled water with no interfering substances present. The precision at this level is +/- 100%.

7.2 SIGNATORIES AND CERTIFICATION

a. All reports required by this order shall be signed as follows:

- (1) for a corporation: by a responsible corporate officer. For the purposes of this section, a responsible corporate officer means:
 - (i) a president, secretary, treasurer, or a vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making function for the corporation, or
 - (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- (2) for a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- (3) for a municipality, state, federal, or other public agency: by either a principal or executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes: (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency; or
- (4) a duly authorized representative of the person described in items (1), (2), or (3). A person is a duly authorized representative only if:
 - (i) the authorization is made in writing by a person described in paragraph (a)(1), (2), or (3) of this section;
 - (ii) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
 - (iii) the written authorization is submitted to the Department.

b. Changes to authorization: If an authorization under subparagraph (a)(4) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of subparagraph (a)(4) of this section must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.

c. Certification: Any person signing a report shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision, in accordance with a system, designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the order or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

7.3 RECORDING OF MONITORING ACTIVITIES AND RESULTS

- ### a. The operator shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this order, and records of all data used to complete the application for this order, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.

b. Records of monitoring information shall include:

- (1) the date, exact place, and time of sampling or measurements;
- (2) the individual(s) who performed the sampling or measurements;
- (3) the date(s) analyses were performed;
- (4) the individual(s) who performed the analyses;
- (5) the analytical techniques or methods used; and
- (6) the results of such analyses.

7.4 TEST AND ANALYTICAL PROCEDURES

a. Monitoring and analysis must be conducted using test procedures promulgated, pursuant to Part 136, except:

- (1) should the Department require the use of a particular test procedure, such test procedure shall be specified in this order.
- (2) should the operator desire to use a test method not approved herein, prior Departmental approval is required, pursuant to paragraph (b) of this section.

b. Application for approval of test procedures shall be made to the Director of DEC's Division and shall contain:

- (1) the name and address of the applicant or the responsible person making application and identification of this particular order and the telephone number of applicant's contact person;
- (2) the names of the pollutants or parameters for which an alternate testing procedure is requested, and the monitoring location(s) at which each testing procedure will be conducted;
- (3) justification for using test procedures, other than those approved in paragraph (a) of this section;
- (4) a detailed description of the alternate procedure, together with:
 - (i) references to published studies, if any, of the applicability of the alternate procedure to the effluent in question;
 - (ii) information on known interferences, if any; and
- (5) a comparability study, using both approved and proposed methods. The study shall include replicates of 3 samples from a well mixed waste stream for each outfall if less than 5 outfalls are involved, or from 5 outfalls if 5 or more outfalls are involved. Four (4) replicates of each sample must be analyzed using a method approved in paragraph (a) of this section. A statistical analysis of the results shall include, as a minimum:
 - (i) calculated statistical mean and standard deviation;
 - (ii) a test for outliers at the mean ± 3 standard deviations level. Where an outlier is identified, an additional sample must be collected and 8 replicates of the sample analyzed as specified above;
 - (iii) a plot distribution with frequency counts and histogram;
 - (iv) a test for equality among within sample standard deviation;
 - (v) a check for equality of pooled within sample variance with an F-Test;
 - (vi) a t-Test to determine equality of method means; and

copies of all data generated in the study.

Additional information can be obtained by contacting the Bureau of Technical Services (NYSDEC, 50 Wolf Road, Albany, New York 12233 - 3502).

ATTACHMENT #

STAUFFER MANAGEMENT COMPANY

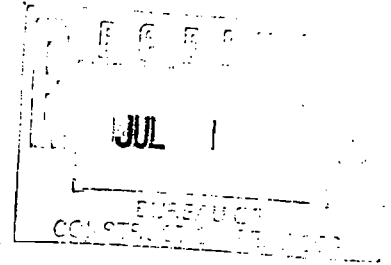
Environmental Services & Operations
1800 Concord Pike
Wilmington, DE 19850-5438

Telephone: (302) 886-4257
Facsimile: (302) 886-5933

July 20, 1999

Mr. David Chiusano
New York State Department
of Environmental Conservation
Division of Hazardous Waste Remediation
50 Wolf Road
Albany, NY 12233-7010

Subject: Stauffer Management Company
Maestri Site #7-34-025



Dear Mr. Chiusano:

Enclosed please find a completed SPDES application Form NY-2C for the above referenced site. Attached to this form is effluent data from January 1995 to May 1999. This covers the periods before, during and after excavation at the site.

Should you need any other information please do not hesitate to contact me.

Very truly yours,

J. A. MacArthur
Environmental Engineering Associate
Environmental Services & Operations

O: - Maestri\DMRs\SPDES\072099B.LTR

CC: J. Abraham

State Pollutant Discharge Elimination System (SPDES)
INDUSTRIAL APPLICATION FORM NY-2C
 For New Permits and Permit Modifications to Discharge Industrial Wastewater and Storm Water
Section I - Permittee and Facility Information

Please type or print the requested information.

1. Current Permit Information (leave blank if for new discharge)

SPDES Number.	DEC Number.
---------------	-------------

2. Permit Action Requested: (Check applicable box)

<input type="checkbox"/> A NEW proposed discharge	<input type="checkbox"/> An EBPS INFORMATION REQUEST response
<input type="checkbox"/> A MODIFICATION of the existing permit	<input type="checkbox"/> An EXISTING discharge currently without permit

Does this request include an increase in the quantity of water discharged from your facility to the waters of the State?

☐ YES - Describe the increase:

☒ NO - Go to Item 3. below.

3. Permittee Name and Address

Name STAUFFER MANAGEMENT CO.	Attention JOSEPH MACARTHUR
Street Address 1800 CONCORD PIKE	
City or Village WILMINGTON	State DE
ZIP Code 19850-5438	

4. Facility Name, Address and Location

Name MAESTRI SITE			
Street Address 904 STATE FAIR BLVD.		P.O. Box	
City or Village GEDDES	State NY	ZIP Code 13209	
Town GEDDES	County		
Telephone 315-488-8059	FAX	NYTM - E 43° 5' 47"	NYTM - N 76° 14' 39"
Tax Map Info (New York City, Nassau County and Suffolk County only)			
Section	Block	Subblock	Lot

5. Facility Contact Person

Name JOSEPH MACARTHUR	Title SITE COORDINATOR
Street Address 1800 CONCORD PIKE	
City or Village WILMINGTON	State DE
ZIP Code 19850-5438	
Telephone 302-886-4257	FAX 302-886-5933
E-Mail or Internet	

6. Discharge Monitoring Report (DMR) Mailing Address

Mailing Name			
Street Address		P.O. Box	
City or Village	State	ZIP Code	
Telephone	FAX	E-Mail or Internet	
Name and Title of person responsible for signing DMRs		Signature	

INDUSTRIAL APPLICATION FORM NY-2C
Section I - Permittee and Facility Information

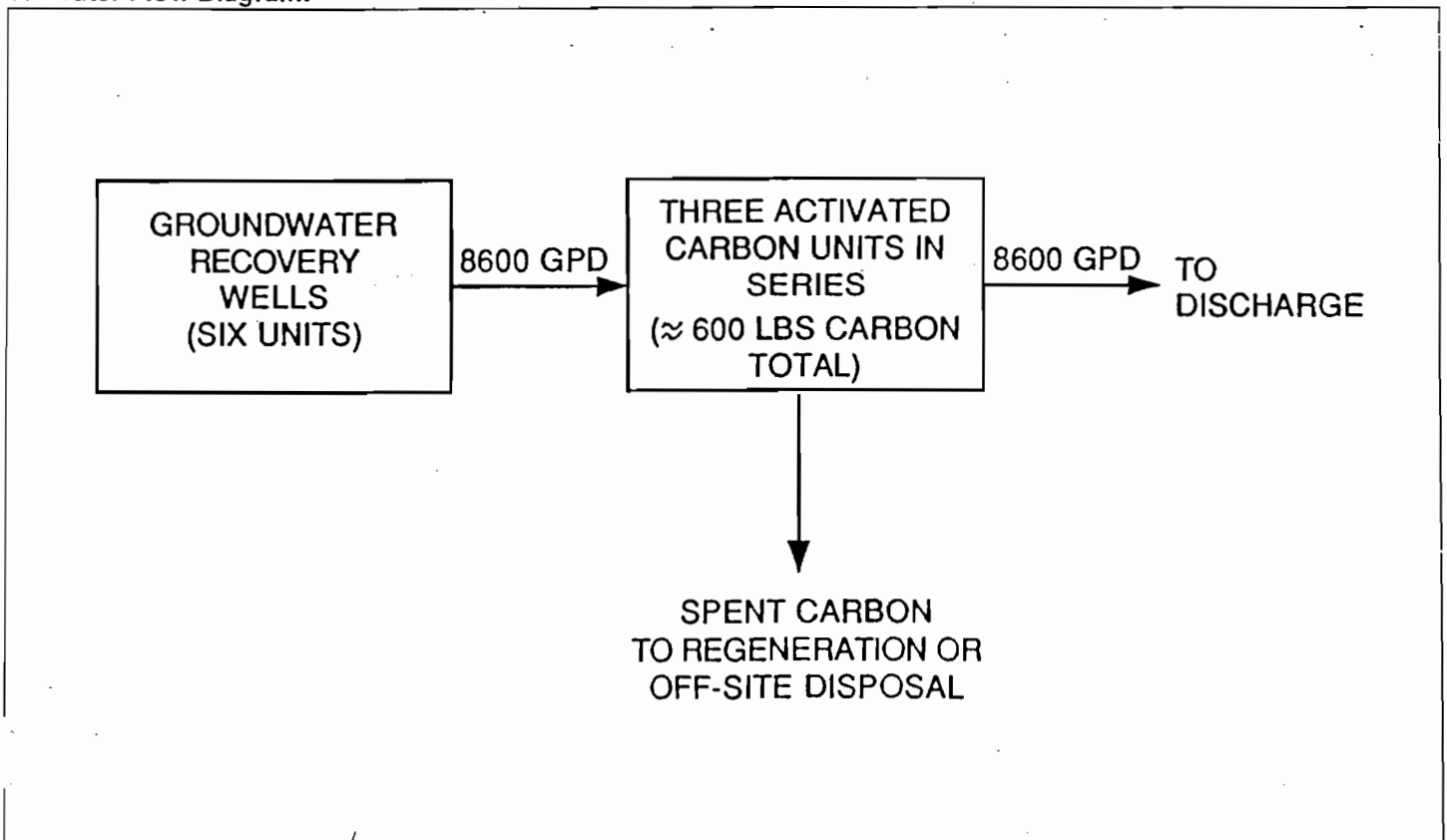
Facility Name: MAESTRI SITE	SPDES Number:
------------------------------------	---------------

7. Summarize the outfalls present at the facility:

Outfall Number	Receiving Water	Type of discharge
	DRAINAGE DITCH	TREATED GROUND WATER

8. Map of Facility and Discharge Locations:


Provide a detailed map showing the location of the facility, all buildings or structures present, wastewater discharge systems, outfall locations into receiving waters, nearby surface water bodies, water supply wells, and groundwater monitoring wells, and attach it to this application.

9. Water Flow Diagram:

INDUSTRIAL APPLICATION FORM NY-2C
Section I - Permittee and Facility Information

Facility Name:	MAESTRI SITE	SPDES Number:	
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10. Nature of business: (Describe the activities at the facility and the date(s) that operation(s) at the facility commenced)



11. List the 4-digit SIC codes which describe your facility in order of priority:

Priority 1 9 9 9 9	Description: STATE HAZARDOUS WASTE SITE GROUND WATER TREATMENT SYSTEM	Priority 3 	Description:
Priority 2 	Description:	Priority 4 	Description:

12. Is your facility a primary industry as listed in Table 1 of the instructions?

☐ YES - Complete the following table.

☒ NO - Go to Item 13. below.

Industrial Category	40 CFR		Industrial Category	40 CFR	
	Part	Subpart		Part	Subpart

13. Does this facility manufacture, handle, or discharge recombinant-DNA, pathogens, or other potentially infectious or dangerous organisms?

☐ YES - Attach a detailed explanation to this application.

☒ NO - Go to Item 14 below.

14. Is storm runoff or leachate from a material storage area discharged by your facility?

☐ YES - Complete the following table, and show the location of the stockpile(s) and discharge point(s) on the diagram in Item 9.

☒ NO - Go to Item 15 on the following page.

[illegible]

INDUSTRIAL APPLICATION FORM NY-2C **Section I - Permittee and Facility Information**

Facility Name: <u>MAESTRI SITE</u>	SPDES Number:
------------------------------------	---------------

15. Facility Ownership: (Place an "X" in the appropriate box)

Corporate ☐ Sole Proprietorship ☐ Partnership ☐ Municipal ☐ State ☐ Federal ☐ Other ☒

Are any of the discharges applied for in this application on Indian lands?

Yes ☐ No ☒

16. List information on any other environmental permits for this facility:

Issuing Agency	Permit Type	Permit Number	Permit Status		
			Active	Applied for	Inactive

7. Laboratory Certification:

Were any of the analyses reported in Section III of this application performed by a contract laboratory or a consulting firm?

☒ YES - Complete the following table.

☐ NO - Go to Item 18 below.

Name of laboratory or consulting firm	Address	Telephone (area code and number)	Pollutants analyzed
CES Inc.	1401 ERIE BLVD EAST SYRACUSE NY, 13210	315-478-2374	SEE LIST

18. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title (type or print) <u>JOSEPH A. MacARTHUR</u>		Date signed <u>7-20-99</u>
Signature <u>Joseph A Mac Arthur</u>	Telephone number <u>302-886-4257</u>	FAX number <u>302-886-5933</u>

Facility Name: MAESTRI SITE	SPDES Number:
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Complete all information for those substances your facility has used, produced, stored, distributed, or otherwise disposed of in the past five (5) years at or above the threshold values listed in the instructions. Include substances manufactured at your facility, as well as any substances that you have reason to know or believe present in materials used or manufactured at your facility. Do not include chemicals used only in analytical laboratory work, or small quantities of routine household cleaning chemicals. Enter the name and CAS number for each of the chemicals listed in Tables 6-10 of the instructions, and the table number which lists the chemical. You may use ranges (e.g. 10-100 lbs., 100-1000 lbs., 1000-10000 lbs., etc.) to describe the quantities used on an annual basis as well as for the amount presently on hand. For those chemicals listed in Tables 6, 7, or 8 which are indicated as being potentially present in the discharge from one or more outfalls at the facility, indicate which outfalls may be affected in the appropriate column below, and include sampling results in Section III of this application for each of the potentially affected outfalls. Make additional copies of this sheet if necessary.

[illegible]

This completes Section I of the SPDES Industrial Application Form NY-2C. Section II, which requires specific information for each of the outfalls at your facility, and Section III, which requires sampling information for each of the outfalls at your facility, must also be completed and submitted with this application.

State Pollutant Discharge Elimination System (SPDES)
INDUSTRIAL APPLICATION FORM NY-2C
For New Permits and Permit Modifications to Discharge Industrial Wastewater and Storm Water
Section II - Outfall Information

Please type or print the requested information.

Facility Name: MAESTRI SITE	SPDES Number:
------------------------------------	---------------

1. Outfall Number and Location

Outfall No.:		
Latitude 43° 5' 47"	Longitude 76° 14' 39"	Receiving Water DRAINAGE DITCH

2. Type of Discharge and Discharge Rate (List all information applicable to this outfall)

	Volume/Flow	Units				Volume/Flow	Units		
		MGD	GPM	Other (specify)			MGD	GPM	Other (specify)
a. Process Wastewater					f. Noncontact Cooling Water				
b. Process Wastewater					g. Remediation System Discharge				
c. Process Wastewater					h. Boiler Blowdown				
d. Process Wastewater					i. Storm Water				
e. Contact Cooling Water					j. Sanitary Wastewater				
k. Other discharge (specify): TREATED GROUNDWATER	6						X		
l. Other discharge (specify):									

3. List process information for the Process Wastewater streams identified in 2.a-d above:

a. Name of the process contributing to the discharge N/A.			Process SIC code: 	
Describe the contributing process	Category	Quantity per day	Units of measure	
	Subcategory			
b. Name of the process contributing to the discharge			Process SIC code: 	
Describe the contributing process	Category	Quantity per day	Units of measure	
	Subcategory			
c. Name of the process contributing to the discharge			Process SIC code: 	
Describe the contributing process	Category	Quantity per day	Units of measure	
	Subcategory			
d. Name of the process contributing to the discharge			Process SIC code: 	
Describe the contributing process	Category	Quantity per day	Units of measure	
	Subcategory			

4. Expected or Proposed Discharge Flow Rates for this outfall:

a. Total Annual Discharge 1.5 MG	b. Daily Minimum Flow 0.001 MGD	c. Daily Average Flow 0.004 MGD	d. Daily Maximum Flow 0.008 MGD	e. Maximum Design flow rate 0.0086 MGD
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INDUSTRIAL APPLICATION FORM NY-2C **Section II - Outfall Information**

Facility Name: MAESTRI SITE	Outfall No.:
SPDES Number:	

5. Is this a seasonal discharge?

☐ YES - Complete the following table.
☒ NO - Go to Item 6 below.

Operations contributing flow (list)	Discharge frequency		Flow				
	Batches per year	Duration per batch	Flow rate per day		Total volume per discharge	Units	Duration (Days)
			LTA	Daily Max			

6. Water Supply Source (indicate all that apply)

	Name or owner of water supply source	Volume or flow	Units (check one)		
Municipal Supply			MGD	GPD	GPM
Private Surface Water Source			MGD	GPD	GPM
Private Supply Well			MGD	GPD	GPM
Other (specify)			MGD	GPD	GPM

7. Outfall configuration: (Surface water discharges only)

A. Where is the discharge point located with respect to the receiving stream?

In the streambank: ☐
 In the stream: ☐
 In the stream, with ☐ Attach description, including configuration and plan drawing of diffuser, if used.

B. If located in stream, approximately what percentage of stream width from shore is the discharge point located?

10% ☐ 25% ☐ 50% ☐ Other:

C. Describe the stream geometry in the general vicinity of the discharge point, in terms of approximate averages:

Average stream width	Average stream depth	Average stream velocity
Feet	Feet	CFS

Are the results of a mixing/diffusion study attached? ☐ YES
☐ NO

INDUSTRIAL APPLICATION FORM NY-2C **Section II - Outfall Information**

Facility Name: <u>MAESTRI SITE</u>	Outfall No.:
	SPDES Number:

8. Thermal Discharge Criteria

Is your facility one of the applicable types of facilities listed in the instructions, and does the temperature of this discharge exceed the receiving water temperature by greater than three (3) degrees Fahrenheit?

☐ YES - Complete the following table.

☐ Information on the intake and discharge configuration of this outfall is attached

☒ NO - Go to Item 9. below.

Discharge Temperature, deg. F			Duration of maximum discharge temperature		Dates of maximum discharge temperature		Maximum flow rate	Discharge configuration (e.g. subsurface, surface, effluent diffuser, diffusion well, etc.)
Average change in temperature (delta T)	Maximum change in temperature (delta T)	Maximum temperature	hours per day	days per year	From	To	MGD	

9. Are any water treatment chemicals or additives that are used by your facility subsequently discharged through this outfall?
☐ YES - Complete the following table.

☐ MSDS sheets attached

☒ NO - Go to Item 10. below.

☐ Toxicity data attached

Product Name and Manufacturer	Additive Function	Dosage rate (include units)	Discharge concentration, mg/l		Discharge Frequency		Usage (Continuous/ Intermittent)
			Average	Maximum	hrs/day	days/wk	

10. Has any biological test for acute or chronic toxicity been performed on this outfall or on the receiving water in relation to this outfall in the past three (3) years?
☐ YES - Complete the following table.

☒ NO - Go to Item 11. on the following page.

Water tested	Purpose of test	Type of test	Chronic or Acute?	Subject species	Testing date(s)		Submitted? (Date)
					Start	Finish	

INDUSTRIAL APPLICATION FORM NY-2C **Section II - Outfall Information**

Outfall No.:

Facility Name:

MAESTRI SITE

SPDES Number:

11. Is the discharge from this outfall treated to remove process wastes, water treatment additives, or other pollutants?



YES - Complete the following table. Treatment codes are listed in Table 4.



NO - Go to Item 12 below.

Treatment process	Treatment Code(s)	Treatment used for the removal of:	Design Flow Rate (include units)
CARBON ADSORPTION (3 CANISTERS IN SERIES)		VOC and SVOC CONTAMINANTS	6 GPM.

12. Does this facility have either a compliance agreement with a regulating agency, or have planned changes in production, which will materially alter the quantity and/or quality of the discharge from this outfall?



YES - Complete the following table.



NO - Go to Section III on the following page.

Description of project	Subject to Condition or Agreement in existing permit or consent order? (List)	Change due to production increase?	Completion Date(s)	
			Required	Projected
SITE REMEDIATION	ROD		N/A	12/03

This completes Section II of the SPDES Industrial Application Form NY-2C. Section I, which requires general information regarding your facility, and Section III, which requires sampling information for each of the outfalls at your facility, must also be completed and submitted with this application.

INDUSTRIAL APPLICATION FORM NY-2C Section III - Sampling Information

Facility Name:

MAESTRI SITE

SPDES No.:

Outfall No.:

1. Sampling Information - Conventional Parameters

Provide the analytical results of at least one analysis for every pollutant in this table. If this outfall is subject to a waiver as listed in Table 5 of the Instructions for one or more of the parameters listed below, provide the results for those parameters which are required for this type of outfall.

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (using the same format) instead of completing this page.

Pollutant	Effluent data							Units		Intake data (optional)		
	a. Maximum daily value		b. Maximum 30 day value		c. Long term average		d. Number of analyses	a. Concentration	b. Mass	e. Long term average value		b. Number of analyses
	1. Concentration	2. Mass	1. Concentration	2. Mass	1. Concentration	2. Mass				1. Concentration	2. Mass	
a. Biochemical Oxygen Demand, 5 day (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Suspended Solids (TSS)												
d. Total Dissolved Solids (TDS)												
e. Oil & Grease												
f. Chlorine, Total Residual (TRC)												
g. Total Organic Nitrogen (TON)												
h. Ammonia (as N)												
i. Flow	Value		Value		Value					Value		
j. Temperature, winter	Value		Value		Value					Value		
k. Temperature, summer	Value		Value		Value					Value		
l. pH	Minimum 6.0	Maximum 9.0	Minimum 6.0	Maximum 9.0						Minimum	Maximum	

2. Sampling Information - Priority Pollutants, Toxic Pollutants, and Hazardous Substances

a. Primary Industries: I. Does the discharge from this outfall contain process wastewater?

☐
☒

Yes - Go to Item II. below.

No - Go to Item b. below.

II. Indicate which GC/MS fractions have been tested for: Volatiles:

☐

Acid:

☐

Base/Neutral:

☐

Pesticide:

☐

b. All applicants:

I. Are any of the pollutants listed in Tables 6, 7, or 8 of the Instructions known or expected to be present in the discharge from this outfall?

☒
☐

Yes - Concentration and mass data attached.

No - Go to Item II. below.

II. Are any of the pollutants listed in Table 9 of the Instructions known or expected to be present in the discharge from this outfall?

☐
☐
☒

Yes - Source or reason for presence in discharge attached

Yes - Quantitative data attached

No

Section III - Sampling Information

Facility Name:	MAESTRI SITE	SPDES No.:	Outfall No.:
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3. Projected Effluent Quality - Priority Pollutants, Toxic Pollutants, and Hazardous Substances

Provide analytical results of at least one analysis for each pollutant known or believed present in this discharge, as well as for any GC/MS fractions and metals required to be sampled from Section III Forms, Item 2.a on the preceding page.

[illegible]

DATE	BENZENE ug/l	METHYLENE CHLORIDE ug/l	TOLUENE ug/l	1,2-trans DICHLORO ETHYLENE ug/l	VINYL CHLORIDE ug/l	ETHYL BENZENE ug/l	o-XYLENE ug/l	m-XYLENE ug/l	p-XYLENE ug/l	TOTAL PHENOLICS ug/l	BIS (2-ETHYL HEXYL) PHTHALATE mg/l	DI (n-BUTYL) PHTHALATE mg/l
LIMIT	0.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	2.0	4.2	0.77
1/3/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/10/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/17/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/24/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/31/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/7/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/14/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/21/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/28/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/7/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/14/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/21/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/28/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/4/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/11/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/18/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/25/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/2/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/9/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/16/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/23/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/30/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/6/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/13/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/20/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/27/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/11/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05

DATE	BENZENE ug/l	METHYLENE CHLORIDE ug/l	TOLUENE ug/l	1,2-trans DICHLORO ETHYLENE ug/l	VINYL CHLORIDE ug/l	ETHYL BENZENE ug/l	o-XYLENE ug/l	m-XYLENE ug/l	p-XYLENE ug/l	TOTAL PHENOLICS ug/l	BIS (2-ETHYL HEXYL) PHTHALATE mg/l	DI (n-BUTYL) PHTHALATE mg/l
7/18/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/24/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/1/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/8/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/15/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/22/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/29/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/5/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/12/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/19/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/26/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/3/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/10/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/17/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/24/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/31/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/7/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/14/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/21/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/28/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/5/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	7.8	7.2	<1.0	<2.0	<0.05	<0.05
12/12/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/19/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/26/95	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/2/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/9/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/16/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/23/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/30/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05

DATE	BENZENE ug/l	METHYLENE CHLORIDE ug/l	TOLUENE ug/l	1,2-trans DICHLORO ETHYLENE ug/l	VINYL CHLORIDE ug/l	ETHYL BENZENE ug/l	o-XYLENE ug/l	m-XYLENE ug/l	p-XYLENE ug/l	TOTAL PHENOLICS ug/l	BIS (2-ETHYL HEXYL) PHTHALATE mg/l	DI (n-BUTYL) PHTHALATE mg/l
2/6/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/13/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/20/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/27/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/5/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/12/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/19/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/26/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/2/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/9/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/16/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/23/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/30/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/7/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/14/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/21/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/28/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/4/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/11/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/18/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/25/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/2/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/9/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/16/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/23/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/30/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/6/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.4	<0.05	<0.05
8/13/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05

DATE	BENZENE ug/l	METHYLENE CHLORIDE ug/l	TOLUENE ug/l	1,2-trans DICHLORO ETHYLENE ug/l	VINYL CHLORIDE ug/l	ETHYL BENZENE ug/l	o-XYLENE ug/l	m-XYLENE ug/l	p-XYLENE ug/l	TOTAL PHENOLICS ug/l	BIS (2-ETHYL HEXYL) PHTHALATE mg/l	DI (n-BUTYL) PHTHALATE mg/l
8/20/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/27/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/3/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/10/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/17/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/24/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/1/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/8/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/15/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/22/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/29/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/5/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/12/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	9.2	0.8	9.2	<2.0	<0.05	<0.05
11/19/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/26/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	2.2	<1.0	<1.0	<2.0	<0.05	<0.05
12/3/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/10/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	6.3	2.3	-	<2.0	<0.05	<0.05
12/17/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/24/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/31/96	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/7/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/14/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	2.8	<0.05	<0.05
1/21/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/28/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/4/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/11/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/18/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/25/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	4.2	<1.0	<1.0	2.4	<0.05	<0.05

DATE	BENZENE ug/l	METHYLENE CHLORIDE ug/l	TOLUENE ug/l	1,2-trans DICHLORO ETHYLENE ug/l	VINYL CHLORIDE ug/l	ETHYL BENZENE ug/l	o-XYLENE ug/l	m-XYLENE ug/l	p-XYLENE ug/l	TOTAL PHENOLICS ug/l	BIS (2-ETHYL HEXYL) PHTHALATE mg/l	Di (n-BUTYL) PHTHALATE mg/l
3/4/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/11/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/18/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/25/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/1/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/8/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	2.2	<0.05	<0.05
4/15/97	<0.7	<1.0	<1.0	<1.0	<2.0	2.1	32	77	77	<2.0	<0.05	<0.05
4/22/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/29/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	21.1	<0.05	<0.05
5/6/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	6.0	<0.05	<0.05
5/13/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.4	<0.05	<0.05
5/20/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.5	<0.05	<0.05
5/27/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	2.2	<0.05	<0.05
6/3/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.1	<0.05	<0.05
6/10/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.7	<0.05	<0.05
6/17/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	12.7	<0.05	<0.05
6/24/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/1/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	7.6	<0.05	<0.05
7/8/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	8.7	<0.05	<0.05
7/15/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.8	<0.05	<0.05
7/22/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	8.6	<0.05	<0.05
7/29/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	5.5	<0.05	<0.05
8/5/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.4	<0.05	<0.05
8/12/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.8	<0.05	<0.05
8/19/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.7	<0.05	<0.05
8/26/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	2.4	<0.05	<0.05
9/2/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/9/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.3	<0.05	<0.05
9/16/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.4	<0.05	<0.05

DATE	BENZENE ug/l	METHYLENE CHLORIDE ug/l	TOLUENE ug/l	1,2-trans DICHLORO ETHYLENE ug/l	VINYL CHLORIDE ug/l	ETHYL BENZENE ug/l	o-XYLENE ug/l	m-XYLENE ug/l	p-XYLENE ug/l	TOTAL PHENOLICS ug/l	BIS (2-ETHYL HEXYL) PHTHALATE mg/l	DI (n-BUTYL) PHTHALATE mg/l
9/23/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/30/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/7/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	5.2	<0.05	<0.05
10/14/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	5.3	<0.05	<0.05
10/21/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	10.4	<0.05	<0.05
10/28/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	2.6	<0.05	<0.05
11/4/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	7.3	<0.05	<0.05
11/11/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/18/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/25/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.5	<0.05	<0.05
12/2/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/9/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.7	<0.05	<0.05
12/16/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.4	<0.05	<0.05
12/23/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.21	<0.05	<0.05
12/30/97	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.35	<0.05	<0.05
1/6/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/13/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.0	<0.05	<0.05
1/20/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.0	<0.05	<0.05
1/27/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.6	<0.05	<0.05
2/3/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.7	<0.05	<0.05
2/10/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/17/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	5.0	<0.05	<0.05
2/24/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/3/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/10/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/17/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/24/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/31/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05

DATE	BENZENE ug/l	METHYLENE CHLORIDE ug/l	TOLUENE ug/l	1,2-trans DICHLORO ETHYLENE ug/l	VINYL CHLORIDE ug/l	ETHYL BENZENE ug/l	o-XYLENE ug/l	m-XYLENE ug/l	p-XYLENE ug/l	TOTAL PHENOLICS ug/l	BIS (2-ETHYL HEXYL) PHTHALATE mg/l	DI (n-BUTYL) PHTHALATE mg/l
4/7/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/14/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/21/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/28/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/5/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/12/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/19/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/26/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/2/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/9/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/16/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/23/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
6/30/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/7/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/14/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/21/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
7/28/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/4/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/11/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/18/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
8/25/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/1/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.9	<0.05	<0.05
9/8/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	9.3	<0.05	<0.05
9/15/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	2.9	<0.05	<0.05
9/22/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
9/29/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/6/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/13/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
10/20/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05

DATE	BENZENE ug/l	METHYLENE CHLORIDE ug/l	TOLUENE ug/l	1,2-trans DICHLORO ETHYLENE ug/l	VINYL CHLORIDE ug/l	ETHYL BENZENE ug/l	o-XYLENE ug/l	m-XYLENE ug/l	p-XYLENE ug/l	TOTAL PHENOLICS ug/l	BIS (2-ETHYL HEXYL) PHTHALATE mg/l	DI (n-BUTYL) PHTHALATE mg/l
10/27/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/3/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/10/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	4.7	<0.05	<0.05
11/17/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
11/24/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/1/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	7.7	<0.05	<0.05
12/8/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/15/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
12/22/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	3.9	<0.05	<0.05
12/29/98	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/5/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/12/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/19/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
1/26/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/2/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/9/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/16/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
2/23/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/2/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/9/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/16/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/23/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
3/30/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/6/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/13/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/20/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
4/27/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/4/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05

DATE	BENZENE ug/l	METHYLENE CHLORIDE ug/l	TOLUENE ug/l	1,2-trans DICHLORO ETHYLENE ug/l	VINYL CHLORIDE ug/l	ETHYL BENZENE ug/l	o-XYLENE ug/l	m-XYLENE ug/l	p-XYLENE ug/l	TOTAL PHENOLICS ug/l	BIS (2-ETHYL HEXYL) PHTHALATE mg/l	DI (n-BUTYL) PHTHALATE mg/l
5/11/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05
5/18/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	9.0	<0.05	<0.05
5/25/99	<0.7	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<0.05	<0.05

DATE	ALUMINUM mg/l	ARSENIC mg/l	BARIUM mg/l	CADMIUM mg/l	CHROMIUM mg/l	COPPER mg/l	IRON mg/l	ANGANES mg/l	NICKEL mg/l	SILVER mg/l	ZINC mg/l	
LIMIT	2.0	0.05	2.0	0.02	0.1	1.0	0.6	0.6	2.0	0.1	5.0	
1/3/95	<0.20	<0.020	0.42	<0.01	<0.02	0.046	0.37	0.21	<0.04	<0.02	0.026	
2/7/95	<0.20	<0.020	<0.020	<0.010	<0.020	0.031	0.63	0.22	0.044	<0.02	<0.02	
3/7/95	<0.20	<0.020	0.56	<0.01	<0.020	0.03	0.84	0.22	0.079	<0.02	<0.02	
4/4/95	<0.020	<0.020	0.56	<0.010	<0.020	0.035	1.15	0.46	0.062	<0.020	0.026	
5/2/95	<0.20	<0.020	0.34	<0.010	<0.020	<0.020	1.64	0.39	0.04	<0.020	0.025	
6/6/95	<0.20	<0.020	0.42	<0.010	<0.020	<0.020	0.86	0.32	<0.040	<0.020	0.021	
7/11/95	<0.20	<0.020	0.49	0.011	<0.020	0.072	1.82	0.36	<0.040	<0.020	0.024	
8/1/95	<0.20	<0.020	0.6	<0.010	<0.020	<0.020	0.66	0.28	0.074	<0.020	0.053	
9/5/95	<0.20	<0.020	0.46	<0.010	<0.020	<0.020	1.1	0.3	0.057	<0.020	0.025	
10/3/95	<0.20	<0.020	<0.10	<0.010	<0.020	0.036	1.09	0.27	<0.040	<0.020	<0.020	
11/7/95	<0.20	<0.020	0.49	<0.010	<0.020	0.028	3.1	0.25	0.069	<0.02	0.021	
12/5/95	<0.20	<0.020	0.74	<0.010	<0.020	0.041	1.3	0.36	<0.040	<0.020	<0.020	
1/2/96	<0.20	<0.020	0.52	<0.01	0.028	0.038	1.42	0.3	<0.04	<0.02	0.037	
2/6/96	<0.20	<0.020	0.7	<0.010	<0.020	<0.020	1.28	0.46	<0.040	<0.020	<0.020	
3/5/96	<0.20	<0.020	0.49	<0.01	<0.020	<0.020	2.66	0.4	0.05	<0.02	<0.02	
4/2/96	<0.20	<0.020	0.57	<0.010	<0.020	0.025	0.73	0.39	<0.040	<0.020	0.034	
5/7/96	<0.20	<0.020	0.8	<0.010	<0.005	<0.020	2.29	0.4	<0.040	<0.020	<0.020	
6/4/96	<0.20	<0.020	0.75	<0.010	<0.020	0.035	0.92	0.39	<0.040	<0.020	0.14	

DATE	ALUMINUM mg/l	ARSENIC mg/l	BARIUM mg/l	CADMIUM mg/l	CHROMIUM mg/l	COPPER mg/l	IRON mg/l	ANGANES mg/l	NICKEL mg/l	SILVER mg/l	ZINC mg/l	
7/2/96	<0.20	<0.020	0.68	<0.010	<0.020	0.028	0.82	0.64	<0.040	<0.020	0.027	
8/6/96	<0.20	<0.020	0.71	<0.010	<0.020	<0.020	0.29	0.18	<0.040	<0.020	<0.020	
9/3/96	<0.20	<0.020	0.76	<0.010	<0.020	<0.020	1.0	0.21	<0.040	<0.020	<0.020	
10/1/96	2.13	<0.020	0.86	<0.010	<0.020	<0.020	4.32	0.44	<0.040	<0.020	<0.020	
11/5/96	<0.20	<0.020	0.26	<0.010	<0.020	0.047	0.074	0.27	<0.040	<0.020	0.031	
12/3/96	0.21	<0.020	0.62	<0.010	<0.020	<0.020	0.43	0.83	<0.040	<0.020	<0.020	
1/7/97	1.24	<0.020	0.56	<0.01	<0.02	0.033	3.44	1.32	<0.04	<0.02	<0.02	
2/11/97	0.84	<0.020	0.48	<0.10	<0.020	0.031	0.95	0.92	<0.040	<0.02	<0.020	
3/4/97	2.01	<0.02	0.17	<0.01	<0.020	<0.020	3.01	0.43	<0.40	<0.02	<0.02	
4/1/97	24	<0.02	0.38	<0.010	<0.020	0.13	44.1	0.92	<0.046	<0.020	0.077	
5/6/97	1.72	<0.02	0.21	<0.01	<0.020	0.043	1.25	0.86	<0.04	<0.020	0.022	
6/3/97	37.0	<0.037	0.33	<0.010	0.033	0.15	47.0	1.13	0.081	<0.020	0.081	
7/1/97	27.4	0.016	0.43	<0.010	0.022	0.092	36.1	0.78	0.055	<0.02	0.076	
8/5/97	41.8	0.054	0.48	<0.010	<0.020	0.17	48.2	1.04	0.064	<0.02	0.1	
9/2/97	81.0	0.057	1.13	0.013	0.091	0.27	94.0	2.64	0.11	<0.020	0.29	
10/7/97	12.2	0.17	0.13	<0.010	0.013	0.15	7.1	0.21	0.1	<0.02	0.042	
11/4/97	4.12	0.062	<0.010	<0.010	<0.020	0.07	5.04	0.028	0.067	<0.02	<0.020	
12/2/97	4395	0.013	0.13	<0.010	<0.020	0.042	3.67	0.05	0.049	<0.02	0.056	

DATE	ALUMINUM mg/l	ARSENIC mg/l	BARIUM mg/l	CADMIUM mg/l	CHROMIUM mg/l	COPPER mg/l	IRON mg/l	ANGANES mg/l	NICKEL mg/l	SILVER mg/l	ZINC mg/l	
1/6/98	5.4	0.011	<0.1	<0.01	<0.02	<0.02	4.14	0.044	<0.04	<0.02	<0.02	
2/3/98	6	0.035	0.2	0.011	<0.020	0.024	3.35	0.072	0.074	<0.02	0.022	
3/3/98	9.15	0.018	<0.10	<0.01	<0.020	<0.020	5.69	0.068	0.042	<0.02	0.028	
4/7/98	0.76	0.012	<0.10	<0.010	<0.020	<0.020	0.97	0.021	0.062	<0.020	<0.020	
5/5/98	3.14	0.08	0.22	<0.010	<0.020	0.032	1.55	0.067	0.062	<0.020	<0.020	
6/2/98	<0.20	<0.010	0.99	<0.010	<0.020	0.059	1.92	0.12	0.07	<0.010	0.06	
7/7/98	<0.20	<0.010	0.95	<0.010	<0.020	0.041	1.12	0.087	0.044	0.01	0.043	
8/4/98	0.25	<0.010	<0.10	<0.010	<0.020	<0.020	0.17	<0.010	<0.040	0.01	<0.020	
9/1/98	1.52	0.047	<0.10	<0.010	0.24	0.024	1.75	0.028	0.13	<0.020	0.022	
10/6/98	<0.20	<0.010	0.34	<0.010	<0.020	<0.020	0.11	0.4	<0.040	<0.01	0.029	
11/3/98	<0.20	<0.010	0.7	<0.010	<0.020	<0.020	4.29	0.12	0.064	<0.01	<0.020	
12/1/98	<0.20	0.01	0.62	<0.010	<0.020	<0.020	0.45	0.037	0.089	<0.010	<0.020	
1/5/99	<2.0	<0.02	0.39	<0.010	<0.020	<0.020	6.9	0.134	0.066	<0.010	<0.020	
2/2/99	1.1	<0.010	0.23	<0.010	0.023	<0.020	0.445	0.068	<0.040	<0.010	<0.020	
3/2/99	<0.20	<0.010	0.6	<0.010	<0.020	<0.020	1.22	0.022	0.057	<0.010	<0.020	
4/6/99	<0.20	<0.010	0.37	<0.010	<0.02	<0.020	0.656	0.144	0.048	0.035	0.045	
5/4/99	0.48	<0.010	0.6	<0.010	<0.02	<0.020	2.68	0.103	0.12	<0.010	<0.020	

**New York State Department of Environmental Conservation
Division of Water, Room 314**

50 Wolf Road, Albany, New York 12233-3505
Phone: (518) 457-8941 FAX: (518) 485-7786



John P. Cahill
Commissioner

TO: David J. Chiusano, Western Field Services Section, Bur. of Construction Services
FROM: Bill Mirabile, Chemical Systems Section, Bur. of Water Permits *W. M.*
SUBJECT: SPDES-Equivalent Reapplication, Maestri Site - #7-34-025

DATE: August 31, 1999

This is in response to your July 22, 1999 request to Brian Baker of this office to review the subject reapplication.

In reviewing this reapplication, data have been evaluated for inorganics in the groundwater (August 1990), organics in the groundwater (June 30 - July 1, 1999), and for both organics and inorganics in the treated effluent (January 1995 - May 1999). During this review, it was noted that certain constituents were not present at all in the treated effluent but were also not tested for in the groundwater during the June/July 1999 round of sampling, while other constituents were present in either the groundwater before treatment, or effluent, or both.

Before finalizing the effluent limitations for this SPDES-equivalent application, it would be helpful to have additional monitoring information for evaluation. This is especially true if we are to consider dropping all monitoring requirements for several of the parameters, which may be possible for those which were all non-detects in the effluent. Therefore, please arrange for the PRP to undertake the following special monitoring for the purpose of allowing the Department to finalize the limits for this SPDES-equivalent reapplication:

- Organics - Sampling of the *influent* just upstream from the activated carbon system, at a frequency of once per week for a total of 10 weeks, for the following:

Benzene
Methylene chloride
1,2-trans dichloroethylene
Vinyl chloride
Di (n-Butyl) phthalate

- Fe & Mn - Sampling of the *effluent* for Total Fe, Dissolved Fe, Total Mn and Dissolved Mn, at a frequency of once per week for a total of 10 weeks.

SEP - 1 1999

For the remaining parameters (Ethyl benzene, Toluene, Bis (2-ethylhexyl) phthalate, o-Xylene, m-Xylene, p-Xylene, and Total Phenols), we will likely recommend that the present monitoring program be continued.

Please feel free to contact me at 7-1291 if you have any questions or wish to discuss this further.

cc: A. Eaton, Central Office

S. Eidt, Reg. 7

J. May, Reg. 7

D. Chiusano



New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services, Room 267
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-9280 • FAX: (518) 457-7743
Website: www.dec.state.ny.us

SEP 02 1999

Mr. Joseph MacArthur
Project Manager
Stauffer Management Company
1800 Concord Pike
Wilmington, Delaware 19850-5438

Dear Mr. MacArthur:

Re: SMC - Maestri Site, SPDES Equivalent Re-application
Site # 7-34-025 (T) Geddes (C) Onondaga

The Department's Division of Water (DOW) has reviewed your re-application for SPDES equivalent discharge at the subject site which was originally received by me on July 21, 1999. In short, additional monitoring data is being required by the DOW before the revised effluent limitations can be finalized.

Specifically, beginning within two (2) weeks from the date of this letter SMC is being directed to undertake the following special monitoring program at the site for the purpose of allowing the Department to finalize the limits for the SPDES equivalent re-application (sampling to begin on or near September 17, 1999):

- 1) **Organics:** Sampling of the ** influent* just upstream from the activated carbon system, at a frequency of once per week for a total of 10 weeks (thru November 12, 1999) for the following:

Benzene, Methylene Chloride, 1,2 DCE, Vinyl Chloride, and
Di (n-Butyl) phthalate

(* Add proper sampling port before carbon canisters if necessary)
- 2) **Metals:** Sampling of the effluent for *total Fe, dissolved Fe, total Mn and dissolved Mn* at a frequency of once per week for a total of 10 weeks (thru November 12, 1999).

- 3) **Remaining Parameters:** The pre-existing monitoring program will continue for the following:

Ethyl Benzene, Toluene, Bis (2-ethylhexyl) phthalate, o-xylene, m-xylene, p-xylene, and total phenols.

Following the review of the groundwater data generated during the fall of 1999 special monitoring event the DOW will develop revised criteria. However, because the site area and NYS as a whole is experiencing almost drought conditions this year a second round of special monitoring will also be required to be conducted by SMC during the spring of 2000 (anticipated in late march, early April). As a result, those criteria may be subject to further revision based on the data generated during the spring of 2000 special monitoring event. Beginning in March 2000 SMC must demonstrate that high groundwater conditions exist at the site and must obtain prior NYSDEC concurrence before the second round of special monitoring is initiated. SMC shall be responsible to monitor treated effluent in accordance with the pre-existing program up to and following the first ten (10) week monitoring program in the fall (around November 12, 1999) until a revised effluent monitoring schedule is developed. SMC shall prepare and forward the fall special monitoring schedule to me by September 13, 1999. Also, the fall monitoring data shall be submitted to the NYSDEC no later than December 3, 1999. A copy of that data shall also be sent to Mr. Bill Mirabile (DOW - Albany) and Mr. Steven Eidt (DOW-Syracuse).

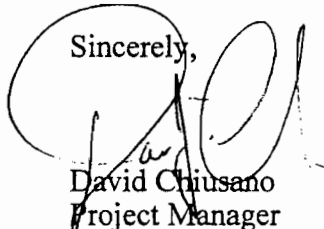
Please note that SMC is currently discharging treated groundwater without necessary NYSDEC approval. Although the Bureau of Construction Services does not foresee a problem with the above requirements stipulated by the DOW please be advised that should SMC not agree to the requirements set forth in this letter and begin the necessary data collection on or near September 17, 1999 the matter will have to be referred to the Division of Environmental Enforcement.

Mr. Joseph MacArthur

Page 3

We anticipate SMC's assistance and cooperation in this matter. Please feel free to contact Bill Mirabile (DOW) at (518) 457-1291 or me should you have any questions or require clarification.

Sincerely,



David Chiusano
Project Manager
Western Field Services Section
Bureau of Construction Services
Division of Environmental Remediation

cc: C. Goddard - SMC
J. Abraham - SMC, Skan Falls
J. Burke/G. Aiezza - SPEC Consulting
J. May - NYSDEC, Region 7
H. Hamel - NYSDOH, Syracuse
B. Mirabile - NYSDEC, DOW - Albany
S. Eidt - NYSDEC, DOW - Syracuse

DJC/ts

bcc: G. Harris

G. Kline

D. Chiusano

Dayfile

a:mstspdes2.wpd

STAUFFER MANAGEMENT COMPANY

Environmental Services & Operations
1800 Concord Pike
Wilmington, DE 19850-5437

Telephone: (302) 886-4257
Facsimile: (302) 886-5933

September 20, 1999

Mr. David Chiusano
New York State Department
of Environmental Conservation
Division of Hazardous Waste Remediation
50 Wolf Road
Albany, NY 12233-7010

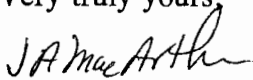
Subject: Stauffer Management Company
Maestri Site #7-34-025

Dear Mr. Chiusano:

In response to your letter of September 2, 1999 concerning additional influent sampling at the SPDES treatment system, Stauffer Management Company has initiated the 10 week Fall sampling program that you requested for certain VOCs, phthalates and metals. A compilation of this data will be forwarded to you in December 1999. Also this program will be repeated in the spring of 2000.

Should you need any other information please do not hesitate to contact me.

Very truly yours,



J. A. MacArthur
Environmental Engineering Associate
Environmental Services & Operations

O: - Maestri\DMRs\SPDES\092099B.LTR

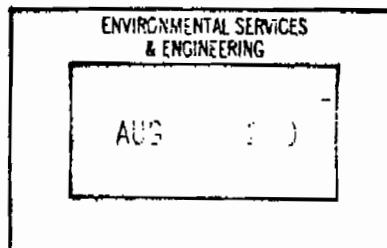
CC: E. Rice
C. Goddard

New York State Department of Environmental Conservation**Division of Environmental Remediation****Bureau of Construction Services, Room 267****50 Wolf Road, Albany, New York 12233-7010****Phone: (518) 457-9280 • FAX: (518) 457-7743****Website: www.dec.state.ny.us**

AUG 21 2000



Mr. Joseph MacArthur
Project Manager
Stauffer Management Company
1800 Concord Pike
Wilmington, Delaware 19850-5438



Dear Mr. MacArthur:

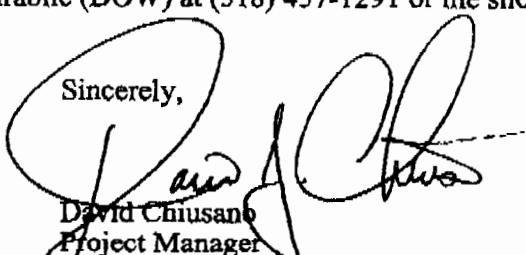
Re: SMC - Maestri Site, SPDES Equivalent Re-application
Site # 7-34-025 (T) Geddes (C) Onondaga

The Department's Division of Water (DOW) has completed its review of the Stauffer Management Company's (SMC) re-application for SPDES equivalent discharge at the subject site which was originally received on July 21, 1999. At DOW's request their review was also based on data generated by SMC during implementation of the special monitoring program which was initiated at the beginning of Fall 1999 and completed in late Spring 2000.

Enclosed are the revised effluent criteria which SMC will be required to follow at the site beginning in September 2000. The revised criteria will be in effect to August 2010.

Please continue to copy me on the results of your SPDES monitoring program at the site. Also, feel free to contact Bill Mirabile (DOW) at (518) 457-1291 or me should you have any questions.

Sincerely,


David Chiusano
Project Manager
Western Field Services Section
Bureau of Construction Services
Division of Environmental Remediation

cc: J. Abraham - SMC, Skan Falls
J. Burke/G. Aiezza - SPEC Consulting
J. May - NYSDEC, Region 7
H. Hamel - NYSDOH, Syracuse
B. Mirabile - NYSDEC, DOW - Albany
S. Eidt - NYSDEC, DOW - Syracuse

New York State Department of Environmental Conservation
Division of Water
Bureau of Water Permits, Room 314
50 Wolf Road, Albany, New York 12233-3505
Phone: (518) 457-1157 • FAX: (518) 485-7786
Website: www.dec.state.ny.us



MEMORANDUM

TO: David J. Chiusano, BCS - DER
FROM: Bill Mirabile, Chemical Systems Section, BWP, DOW
SUBJECT: Maestri Site, #7-34-025, (T) Geddes, Onondaga Co.
DRAINAGE BASIN:
DATE: August 25, 2000

In response to your recent request, attached please find effluent criteria for the above noted groundwater remediation discharge.

The DOW does not have any regulatory authority over a discharge from a State, PRP, or Federal Superfund Site. DER will be responsible for ensuring compliance with the attached effluent criteria and approval of all engineering submissions. Footnote 1 identifies the Bureau of Site Control as the place to send all effluent results, engineering submissions and modification requests. The Regional Water Engineer should be kept apprised of the status of this discharge and, in accordance with the attached criteria, receive a copy of the effluent results for informational purposes.

If you have any questions, please call me a 7-1291.

Attachments (Effluent Criteria, General Conditions)

cc: Steve Eidt, Regional Water Engineer (w/Effluent Criteria)
A. Eaton, DOW (w/Effluent Criteria)



Site Number 7-34-025

Page 1 of 2

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning September 2000 and lasting until August 2010

the discharges from the treatment facility to groundwater, Class GA, shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max		Measurement Frequency	Sample Type
Outfall 001 - Treated Groundwater Remediation Discharge:					
Flow	Monitor	Monitor	GPD	Continuous	Meter
pH (range)	6.5 to 8.5		SU	Monthly	Grab
Benzene		1.0	µg/l	Monthly	Grab
Vinyl chloride		2.0	µg/l	Monthly	Grab
o-Xylene		5.0	µg/l	Monthly	Grab
m-Xylene		5.0	µg/l	Monthly	Grab
p-Xylene		5.0	µg/l	Monthly	Grab

Additional Conditions:

- (1) The discharge rate may not exceed the effective or design treatment system capacity. All monitoring data, engineering submissions and modification requests must be submitted to:

Chief - Operation Maintenance and Support Section
 Bureau of Hazardous Site Control
 Division of Environmental Remediation
 NYSDEC
 50 Wolf Road
 Albany, N.Y. 12233-7010

Site Number 7-34-025

Page 2 of 2

With a copy sent to:

Regional Water Engineer - Region 7
615 Erie Boulevard West
Syracuse, NY 13204-2400

- (2) Only site generated wastewater is authorized for treatment and discharge.
- (3) Authorization to discharge is valid only for the period noted above but may be renewed if appropriate. A request for renewal must be received 6 months prior to the expiration date to allow for a review of monitoring data and reassessment of monitoring requirements.
- (4) Concentration ($\mu\text{g/l}$) must be reported to the Department for all parameters except flow and pH.
- (5) Any use of corrosion/scale inhibitors or biocidal-type compounds used in the treatment process must be approved by the department prior to use.
- (6) This discharge and administration of this discharge must comply with the attached General Conditions.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPENDIX A GENERAL CONDITIONS (Consent Orders)*

<u>SECTION</u>	<u>PAGE(s)</u>
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8.4 Special Condition-Disposal Systems with Septic Tanks	7
8.5 Sludge Disposal	7

* This version of General Conditions is intended to be incorporated as Appendix A of all Consent Orders for site remediation projects where a State Pollutant Discharge Elimination System permit is not required but where the order authorizes the treatment and discharge of wastewaters to the surface or groundwaters of New York State.

1. GENERAL PROVISIONS

- a. This order, or a true copy, shall be kept readily available for reference at the wastewater treatment facility.
- b. A determination has been made on the basis of a submitted plans, or other available information, that compliance with the provisions specified in this order will reasonably protect classified water use and assure compliance with applicable water quality standards. Satisfaction of these provisions notwithstanding, if operation pursuant to the order causes or contributes to a condition in contravention of State water quality standards, or if the Department determines, on the basis of notice provided by the operator and any related investigation, inspection or sampling, that a modification of the order is necessary to prevent impairment of the best use of the waters or to assure maintenance of water quality standards or compliance with other provisions of ECL, the Department may require such a modification and may require abatement action to be taken by the operator and may also prohibit the noticed act until the order has been modified.
- c. All discharges authorized by this order shall be consistent with the terms and conditions of this order. Facility expansion or other modifications, treatment and disposal system changes which will result in new or increased discharges of pollutants into the waters of the state must be reported by submission of a formal request for modification of this order. The discharge of any pollutant, not identified and authorized, or the discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this order shall constitute a violation of the terms and conditions of this order. Facility modifications which result in decreased discharges of pollutants must be reported by submission of written notice to the Department.
- d. Where the operator becomes aware that he/she failed to submit any relevant facts or submitted incorrect information prior to or in pursuit of this order or in any report to the Department, the operator shall promptly submit such facts or information.
- e. It shall not be a defense for an operator in an enforcement action that it would have been necessary to halt or reduce the authorized activity in order to maintain compliance with the conditions of this order, unless directed by the Department to continue the activity.
- f. The filing of a request for a modification of this order, or a notification of planned changes or anticipated noncompliance, does not stay any condition of this order.
- g. The operator shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, suspending, or revoking this order, or to determine compliance with this order. The operator shall also furnish to the Department, upon request, copies of records required to be kept by this order.

2. SPECIAL REPORTING REQUIREMENTS

Dischargers must notify the Department as soon as they know or have reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant (USEPA Priority Pollutants plus phenols, total) which is not specifically controlled in the order, pursuant to General Provision 1 (c) herein. For the purposes of this section, recurrent accidental or unintentional spills or releases on a frequent basis shall be considered to be a discharge.
- b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the order, if that discharge will exceed five times the maximum concentration value reported for that pollutant in the information submitted prior to this order, or the level established by the Department.
- c. That they will begin to use any toxic pollutant which was not reported prior to this order and which is being or may be discharged to waters of the state.

3. EXCLUSIONS

- a. The issuance of this order by the Department and the receipt thereof by the operator does not supersede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by said order.

- b. The issuance of this order does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations; nor does it obviate the necessity of obtaining the assent of any other jurisdiction as required by law for the discharge authorized.
- c. Unless specifically authorized in this order, the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters is not approved.

4. REPORTING NONCOMPLIANCE

- a. Anticipated noncompliance. The operator shall give advance notice to the Department of any planned changes in the authorized facility or activity which may result in noncompliance with this order as soon as the operator becomes aware that non-compliance will be unavoidable.
- b. Immediate and twenty-four hour reporting. The operator shall report any noncompliance which may endanger health or the environment. Any unusual situation, caused by a deviation from normal operation or experience (e.g. upsets, bypasses, inoperative treatment process units, spills or illegal chemical discharges or releases to the collection system) which create a potentially hazardous condition shall be orally reported immediately. Other information shall be provided orally within 24 hours from the time he or she becomes aware of the circumstances. A written noncompliance report shall also be provided within five (5) days of the time the operator becomes aware of the circumstances. The written noncompliance report shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent the noncompliance and its recurrence.
 - (1) The following shall be included as information which must be reported within 24 hours under paragraph (b) above:
 - (i) any unanticipated bypass which violates any effluent limitation in the order;
 - (ii) any upset which violates any effluent limitation in the order;
 - (iii) violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the order to be reported within 24 hours.
 - (2) The Department may waive, at their discretion, the written report on a case-by-case basis if the oral report has been received within 24 hours.
 - (3) Reports required by this section shall be filed with the Department's regional office having jurisdiction over the facility. During weekends and holidays, oral noncompliance reports, required by this paragraph, may be made at (518) 457-7362.
- c. Duty to mitigate. The operator shall take all reasonable steps to minimize or prevent any discharge in violation of this order which has a reasonable likelihood of adversely affecting human health or the environment.

5. INSPECTION AND ENTRY

The operator shall allow the Commissioner of the Department, the New York State Department of Health, the County Health Department, or their authorized representatives, upon the presentation of credentials and other documents as may be required by law, to:

- a. enter upon the operator's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this order;
- b. have access to and copy, at reasonable times, any records that must be kept under the conditions of this order, including records maintained for purposes of operation and maintenance;
- c. inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this order, and
- d. sample or monitor at reasonable times, for the purposes of assuring compliance with this order or as otherwise authorized by the Environmental Conservation Law, any substances or parameters at any location.

6. SPECIAL PROVISIONS - NEW OR MODIFIED DISPOSAL SYSTEMS

- a. Prior to construction of any new or modified waste disposal system or modification of a facility generating wastewater which could alter the design volume of, or the method or effect of treatment or disposing of the wastes from an existing waste disposal system, the operator shall submit to the Department or its designated field office for review, an approvable engineering report, plans, and specifications which have been prepared by a person or firm licensed to practice Professional Engineering in the State of New York.
- b. The construction of the above new or modified disposal system shall not start until the operator receives written approval of the system from the Department or its designated field office.
- c. The construction of the above new or modified disposal system shall be under the general supervision of a person or firm licensed to practice Professional Engineering in New York State. Upon completion of construction, that person or firm shall certify to the Department or its designated field office that the system has been fully completed in accordance with the approved engineering report, plans and specifications and letter of approval; and the operator shall receive written acceptance of such certificate from the Department or designated field agency prior to commencing discharge.
- d. The Department and its designated field offices review wastewater disposal system reports, plans, and specifications for treatment process capability only, and approval by either office does not constitute approval of the system's structural integrity.

7. MONITORING, RECORDING, AND REPORTING

7.1 GENERAL

- a. The operator shall comply with all recording, reporting, monitoring and sampling requirements specified in this order and such other additional terms, provisions, requirements or conditions that the Department may deem to be reasonably necessary to achieve the purposes of the Environmental Conservation Law, or rules and regulations adopted pursuant thereto.
- b. Samples and measurements taken to meet the monitoring requirements specified in this order shall be representative of the quantity and character of the monitored discharges. Composite samples shall be composed of a minimum of 8 grab samples, collected over the specified collection period, either at a constant sample volume for a constant flow interval or at a flow-proportioned sample volume for a constant time interval, unless otherwise specified in this order. For GC/MS Volatile Organic Analysis (VOA), aliquots must be combined in the laboratory immediately before analysis. At least 4 (rather than 8) aliquots or grab samples should be collected over the specified collection period. Grab sample means a single sample, taken over a period not exceeding 15 minutes.
- c. Accessible sampling locations must be provided, maintained and identified by the operator. New sampling locations shall be provided if proposed or existing locations are deemed unsuitable by the Department or its designated field agency.
- d. Actual measured values of all positive analytical results obtained above the Practical Quantitation Limit (PQL)¹ for all monitored parameters shall be recorded and reported, as required by this order; except, for parameters which are limited in this order to values below the PQL, actual measured values for all positive analytical results above the Method Detection Limit (MDL)² shall be reported.
- e. The operator shall periodically calibrate and perform manufacturer's recommended maintenance procedures on all monitoring and analytical instrumentation to insure accuracy of measurements. Verification of maintenance shall be logged into the daily record book(s) of the facility. The operator shall notify the Department's regional office immediately if any required instrumentation becomes inoperable. In addition, the operator shall verify the accuracy of their measuring equipment to the Department's Regional Office annually.

¹ Practical Quantitation Limit (PQL) is the lowest level that can be measured within specified limits of precision and accuracy during routine laboratory operations on most effluent matrices.

² Method Detection Limit (MDL) is the level at which the analytical procedure referenced is capable of determining with a 99% probability that the substance is present. This value is determined in distilled water with no interfering substances present. The precision at this level is +/- 100%.

7.2 SIGNATORIES AND CERTIFICATION

a. All reports required by this order shall be signed as follows:

- (1) for a corporation: by a responsible corporate officer. For the purposes of this section, a responsible corporate officer means:
 - (i) a president, secretary, treasurer, or a vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making function for the corporation, or
 - (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- (2) for a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- (3) for a municipality, state, federal, or other public agency: by either a principal or executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes: (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency; or
- (4) a duly authorized representative of the person described in items (1), (2), or (3). A person is a duly authorized representative only if:
 - (i) the authorization is made in writing by a person described in paragraph (a)(1), (2), or (3) of this section;
 - (ii) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
 - (iii) the written authorization is submitted to the Department.

b. Changes to authorization: If an authorization under subparagraph (a)(4) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of subparagraph (a)(4) of this section must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.

c. Certification: Any person signing a report shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision, in accordance with a system, designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the order or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

7.3 RECORDING OF MONITORING ACTIVITIES AND RESULTS

a. The operator shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this order, and records of all data used to complete the application for this order, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.

- b. Records of monitoring information shall include:
 - (1) the date, exact place, and time of sampling or measurements;
 - (2) the individual(s) who performed the sampling or measurements;
 - (3) the date(s) analyses were performed;
 - (4) the individual(s) who performed the analyses;
 - (5) the analytical techniques or methods used; and
 - (6) the results of such analyses.

7.4 TEST AND ANALYTICAL PROCEDURES

- a. Monitoring and analysis must be conducted using test procedures promulgated, pursuant to 40 CFR Part 136, except:
 - (1) should the Department require the use of a particular test procedure, such test procedure will be specified in this order.
 - (2) should the operator desire to use a test method not approved herein, prior Department approval is required, pursuant to paragraph (b) of this section.
- b. Application for approval of test procedures shall be made to the Director of DEC's Division of Water, and shall contain:
 - (1) the name and address of the applicant or the responsible person making the discharge, identification of this particular order and the telephone number of applicant's contact person;
 - (2) the names of the pollutants or parameters for which an alternate testing procedure is being requested, and the monitoring location(s) at which each testing procedure will be utilized;
 - (3) justification for using test procedures, other than those approved in paragraph (a) of this section; and
 - (4) a detailed description of the alternate procedure, together with:
 - (i) references to published studies, if any, of the applicability of the alternate test procedure to the effluent in question;
 - (ii) information on known interferences, if any; and
 - (5) a comparability study, using both approved and proposed methods. The study shall consist of 8 replicates of 3 samples from a well mixed waste stream for each outfall if less than 5 outfalls are involved, or from 5 outfalls if 5 or more outfalls are involved. Four (4) replicates from each of the samples must be analyzed using a method approved in paragraph (a) of this section, and four replicates of each sample must be analyzed using the proposed method. This results in 24 analyses per outfall up to a maximum of 120 analyses. A statistical analysis of the data must be submitted that shall include, as a minimum:
 - (i) calculated statistical mean and standard deviation;
 - (ii) a test for outliers at the mean ± 3 standard deviations level. Where an outlier is detected, an additional sample must be collected and 8 replicates of the sample must be analyzed as specified above;
 - (iii) a plot distribution with frequency counts and histogram;
 - (iv) a test for equality among within sample standard deviation;
 - (v) a check for equality of pooled within sample variance with an F-Test;
 - (vi) a t-Test to determine equality of method means; and

copies of all data generated in the study.

Additional information can be obtained by contacting the Bureau of Technical Services & Research (NYSDEC, 50 Wolf Road, Albany, New York 12233 - 3502).

8. DISPOSAL SYSTEM OPERATION AND QUALITY CONTROL

8.1 GENERAL

- a. The disposal system shall not receive or be committed to receive wastes from unapproved sources, nor wastes beyond its design capacity as to volume and character of wastes treated, nor shall the system be materially altered as to: type, degree, or capacity of treatment provided; disposal of treated effluent; or treatment and disposal of separated scum, liquids, solids or combination thereof resulting from the treatment process without written approval of the Department of Environmental Conservation or its designated field office.
- b. The operator shall, at all times, properly operate and maintain all facilities and systems of treatment and control (or related appurtenances) which are installed or used by the operator to achieve compliance with the conditions of this order. Proper operation and maintenance also includes as a minimum, the following: 1) A preventive/corrective maintenance program. 2) A site specific action orientated operation and maintenance manual for routine use, training new operators, adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of installed backup or auxiliary facilities or similar systems only when the operation is necessary to achieve compliance with the conditions of the order.
- c. The operator shall not discharge floating solids or visible foam.

8.2 BYPASS

a. Definitions:

- (1) "Bypass" means the intentional or unintentional diversion of waste stream(s) around any portion of a treatment facility for the purpose of or having the effect of reducing the degree of treatment intended for the bypassed portion of the treatment facility.
- (2) "Severe property damage" means substantial damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which would not reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not exceeding limitations:

The operator may allow any bypass to occur which does not cause effluent limitations to be violated, but only if it also is for essential maintenance, repair or replacement to assure efficient and proper operation. These bypasses are not subject to the provisions of paragraph (c) and (d) of this section, provided that written notice is submitted prior to bypass (if anticipated) or as soon as possible after bypass (if unanticipated), and no public health hazard is created by the bypass.

c. Notice:

- (1) Anticipated bypass - If the operator knows in advance of the need for a bypass, it shall submit prior written notice, at least forty five (45) days before the date of the bypass.
- (2) Unanticipated bypass - The operator shall submit notice of an unanticipated bypass as required in Section 4, paragraph b. of this Part (24 hour notice).

d. Prohibition of bypass:

- (1) Bypass is prohibited, and the Department may take enforcement action against a operator for bypass, unless:
 - (i) bypass was unavoidable to prevent loss of life, personal injury, public health hazard, or severe property damage;
 - (ii) there were no feasible alternatives to the bypass such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal period of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance or if designed and installed backup equipment which could have prevented or mitigated the impact of the bypass is not operating during the bypass; and
 - (iii) the operator submitted notices as required under paragraph (c) of this section and, excepting emergency conditions, the proposed bypass was accepted by the Department.

8.3 UPSET

a. Definition:

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with order effluent limitations because of factors beyond the reasonable control of the operator. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. Effect of an upset:

An upset constitutes an affirmative defense to an action brought for noncompliance with such order effluent limitations if the requirements of paragraph (c) of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

c. Conditions necessary for a demonstration of upset:

An operator who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operation logs, or other relevant evidence that:

- (1) an upset occurred and that the operator can identify the cause(s) of the upset;
- (2) the facility was at the time being properly operated; and
- (3) the operator submitted notice of the upset as required in Section 4, paragraph b of this part (24 hour notice).
- (4) the operator complied with any remedial measures required under Section 4, paragraph d of this part.

d. Burden of proof:

In any enforcement proceeding the operator seeking to establish the occurrence of an upset has the burden of proof.

8.4 SPECIAL CONDITION - DISPOSAL SYSTEMS WITH SEPTIC TANKS


If a septic tank is installed as part of the disposal system, it shall be inspected by the operator or his agent for scum and sludge accumulation at intervals not to exceed one year's duration, and such accumulation will be removed before the depth of either exceeds one-fourth (1/4) of the liquid depth so that no settleable solids or scum will leave in the septic tank effluent. Such accumulation shall be disposed of in an approved manner.


8.5 SLUDGE DISPOSAL

The storage or disposal of collected screenings, sludges, other solids, or precipitates separated from the authorized discharges and/or intake or supply water by the operator shall be done in such a manner as to prevent creation of nuisance conditions or entry of such materials into classified waters or their tributaries, and in a manner approved by the Department. Any live fish, shellfish, or other animals collected or trapped as a result of intake water screening or treatment should be returned to their water body habitat. The operator shall maintain records of disposal on all effluent screenings, sludges and other solids associated with the discharge(s) herein described. The following data shall be compiled and reported to the Department or its designated field office upon request:

- a. the sources of the materials to be disposed of;
- b. the approximate volumes, weights, water content and (if other than sewage sludge) chemical composition;
- c. the method by which they were removed and transported, including the name and permit number of the waste transporter; and
- d. their final disposal locations.

Appendix H
Soil Boring Logs February 6, 1997

2/6/97		DAILY SITE ACTIVITY REPORT Maestri Site		p. 1 of 1
Weather:		occasional light snow, 30 degrees	Log by: J. O. Gustafson Geologist	
7:05	JOG on site - drillers not on site yet. Reviewed site safety plan, inspected boring locations.			
9:00	Drillers arrived; reviewed work scope and safety plan.			
9:15	Began maneuvering drill rig into position for first boring. Access was extremely difficult due to soft soil on temporary road, narrow access between excavation and fence, numerous well stick-ups, tight turn through back gate, and trees. The bulldozer was required to tow the drill rig in places. A tree branch broke the side mirror off the drill rig. The excavator was used to clear downed branches, brush, and drill cuttings from previous well installation in order to facilitate drill rig access.			
12:00	Began drilling PSB-1. Drilling was difficult from 7'-15' due to very dense cemented sand/gravel layer. Sampling was difficult below 15 feet due to soupy gravel which would enter augers when the center plug was removed to lower the split-spoon sampler. FID readings collected as the split spoons were opened were negligible.			
3:30	Finished drilling and sampling PSB-1 at 25.5'. Broke from drilling while headspace readings were taken from samples and the decision was made by SMC and NYSDEC whether to install an SVE well.			
4:30	The decision was made to not install an SVE well at this location. Drillers left site to obtain cement for mixing grout to abandon the borehole.			
5:30	Drillers back on site. Due to dwindling daylight and time needed to fill the water tank on the rig for grouting, the decision was made to grout PSB-1 in the morning.			
6:00	Drillers off site. I remained to prepare sample paperwork and secure the area around the drill rig with snow fence.			
6:50	JOG off site.			

2/7/97	DAILY SITE ACTIVITY REPORT Maestri Site	p. 1 of 1
Weather:	occasional light snow, 30 degrees	Log by: J. O. Gustafson Geologist 
7:05	JOG on site - drillers not on site yet. Reviewed the day's work scope, got equipment and supplies ready, ran water supply to drill rig.	
7:30	Drillers arrived; reviewed work scope and conducted daily safety meeting.	
7:45	Drillers began setting up to grout PSB-1. Some valves and fittings on the rig and the pump were frozen and required thawing with a torch. The loader was used to bring a palatte of cement over for mixing grout.	
9:00	Finished grouting PSB-1, set up to drill PSB-2. Drilling was difficult from 8.5'-17' due to very dense cemented sand/gravel layer. When the drillers attempted to pull the center plug to collect a split-spoon sample at 23', the the center plug came unthreaded from the rods as a result of being jammed inside the augers by fine sand particles. The center plug could not be retrieved from the borehole, and it prevented the collection of a split-spoon sample from 23'-25'. All FID readings collected from the split spoons as they were opened were negligible, except for a brief reading of 3 ppm from the 17'-19' sample.	
12:00	Finished drilling and sampling PSB-2. Auger refusal was encountered at 25'3", and was interpreted to be the lower till layer. After the augers were removed, a split spoon was placed down the open borehole to attempt to sample the till layer. Spoon refusal was also encountered at 25'3", and no sample was recovered.	
12:30	Broke from drilling for lunch while headspace readings were taken from samples and the decision was made by SMC and NYSDEC whether to install a SVE well. The loader was used to bring the dirty augers over to the decon pad for steam cleaning. JOG and D. Cook spent the lunch hour assisting with the steam cleaning, which was performed by an Abscope employee.	
1:30	Drillers returned from lunch. Used the loader to move the clean augers back to the location of PSB-3. Prepared to grout PSB-2, since the decision was made to not install an SVE well at this location.	
2:30	Finished grouting PSB-2, set up to drill PSB-3. Drilling was difficult from 8'-16' due to very dense cemented sand/gravel layer and large cobbles/boulders. Drillers wore out a cutter head drilling through a large limestone boulder. At 16' they had to pull out the augers to remove a plug of rock which had jammed inside the cutter head. FID readings collected as the split spoons were opened were all negligible.	
5:30	Finished drilling and sampling PSB-3. Auger refusal was encountered at 24.5'. A final split-spoon sample was taken from 24.5'-25', which confirmed that the lower till layer had been reached. This final sample was too hard to place into a sample jar for potential lab analysis. Soil recovery from the lower part of the boring was insufficient to provide the volume needed for the split sample requested by the NYSDEC. The decision was made to not install an SVE well at this location, so the drillers began preparing to grout the borehole.	
6:30	Finished grouting PSB-3. The bulldozer was used to assist in getting the drill rig through the gate. Cleaned up the area around the boreholes.	
7:00	Drillers began deconning the drill rig, augers, and tools. JOG and MPS secured the area around the borings with snow fence, put away equipment and supplies, screened soil samples for headspace, and completed paperwork.	
8:00	Drillers off site.	
8:20	JOG off site.	



Drilling Log

Soil Boring PSB-1

Project Maestri Site Owner Stauffer Management Company
 Location Geddes, New York Proj. No. 01110-0531
 Surface Elev. _____ Total Hole Depth 25.5 ft. Diameter 10.5 in.
 Top of Casing _____ Water Level Initial 16 ft. Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material grout Rig/Core HSA/Split Spoon
 Drill Co. ADT Method HSA
 Driller D. Bowers Log By J.O. Gustafson Date 2/6/97 Permit # _____
 Checked By _____ License No. _____

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PTD (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2					
4	0			ML	3-5': Firm, moist, brown/red, SILT & CLAY.
6	0			ML	5-7': Firm, moist, brown, SILT with some clay.
8	1.6			GM	7-11': Very dense, moist, spoon refusal-limestone in shoe.
10	2.0			GM	11-11.5': Very dense, moist, gray/brown, little recovery-rock fragments & sand.
12					
14	1.5			GM	13-14': Very dense, moist, gray/brown, SAND & GRAVEL.
16					Augers broke into looser material
18	2.0			GM	16-18': Loose, saturated, brown, GRAVEL with some sand & silt.
20	3.2			GM	18-20': Loose, saturated, gray, GRAVEL with some sand & silt (rounded gravel).
22	4.0			GM	20-22': Same as above.
24	5.0			GM	22-24': Same as above.



Drilling Log

Soil Boring PSB-1

Project Maestri Site Owner Stauffer Management Company
 Location Geddes, New York Proj. No. 0110-0531

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24	13 18			GM	24-25': Firm, same as above.
26				CL	25-25.5': Very dense, moist, gray/brown, CLAY with some sand, fine gravel (6"), green/gray CLAY with shale fragments (2").
28					
30					
32					
34					
36					
38					
40					
42					
44					
46					
48					
50					
52					
54					
56					



Drilling Log

Soil Boring PSB-2

Project Maestri Site Owner Stauffer Management Company
 Location Geddes, New York Proj. No. 01110-0531
 Surface Elev. _____ Total Hole Depth 25.3 ft. Diameter 10.5 in.
 Top of Casing _____ Water Level Initial 19 ft. Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material grout Rig/Core HSA/Split Spoon
 Drill Co. ADT Method HSA
 Driller D. Bowers Log By J.O. Gustafson Date 2/7/97 Permit # _____
 Checked By _____ License No. _____

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2					
4	1.8	5,5,8,8		SM	3-5': Dense, moist, brown, FINE SAND & SILT with little gravel.
6					
8	10	4,50/8		SM	8-9': Same as above (2"), very dense, dry, red/brown, SAND & GRAVEL with some silt (contained rock fragments) (2").
10	8.0	50/2		GM	10-10'2": Very dense, same as above (multicolored gravel).
12	4.0	50/4		GM	12-12'4": Moist, same as above.
14	4.0	50/4		GM	14-14'4": Same as above.
16		50/2		GM	16-16'2": No recovery.
18	8.5	12,15,15,12		GM	17-19': Firm, moist, brown, FINE SAND, SILT, & GRAVEL.
20	4.8	17,17,22,24		GM	19-21': Loose, saturated, brown, GRAVEL with some sand & silt.
22	20	12,12,13, 50/1		GM	21-22.5': Same as above.
24				GM	23-25'3": Center plug came unthreaded and blocked split spoon-no sample. Auger refusal at 25'3".



Drilling Log

Soil Boring PSB-3

Project Maestri Site Owner Stauffer Management Company
 Location Geddes, New York Proj. No. 01110-0531
 Surface Elev. _____ Total Hole Depth 25 ft. Diameter 10.5 in.
 Top of Casing _____ Water Level Initial 17 ft. Static _____
 Screen: Dia _____ Length _____ Type/Size _____
 Casing: Dia _____ Length _____ Type _____
 Fill Material grout Rig/Core HSA/Split Spoon
 Drill Co. ADT Method HSA
 Driller D. Bowers Log By J.O. Gustafson Date 2/7/97 Permit # _____
 Checked By _____ License No. _____

See Site Map
For Boring Location

COMMENTS:


Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					
2					
4	0	4,8,8,10		ML	3-5': Firm, moist, brown, SILT with little fine sand & clay.
6					
8	3.0	50/5		GM	8-8'5": Very dense, dry, red/brown, SAND & GRAVEL with some silt 8'5"-16': Cobbles and boulders prevented split-spoon sampling.
10					
12				GM	
14					
16					
18	10	14,14,12,12		GM	17-19': Loose, saturated, brown, GRAVEL with some sand & silt.
20	2.0	12,12,11,12		GM	19-21': Same as above.
22	11	12,50/8		GM	21-22': Firm, same as above (gravel larger, more angular).
24	15	24,50/8		GM	23-24': Same as above (large piece of gravel plugged shoe).



Drilling Log

Soil Boring PSB-3

Project Maestri Site Owner Stauffer Management Company
 Location Geddes, New York Proj. No. 01110-0531

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24	15	50/0		CL	24.5-25': Very dense, moist, gray/brown, CLAY with some sand & gravel
26					
28					
30					
32					
34					
36					
38					
40					
42					
44					
46					
48					
50					
52					
54					
56					

Appendix I
Erosion Sediment and Groundwater Well
Correspondence

STAUFFER MANAGEMENT COMPANY

Environmental Services & Operations
Wilmington, DE 19850

Telephone: (302) 886-4257
Facsimile: (302) 886-5933

June 7, 1996

Mr. Gary Kline
New York State Department
of Environmental Conservation
50 Wolf Road - Room 222
Albany, NY 12233-7010

RE: Mike Sykes

FROM: SMC / MAESTRI

RE: 7B-SMC

Re: Maestri Site - Onondaga County
Site No. 7-34-025

Dear Mr. Kline:

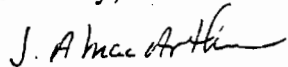
Stauffer Management Company, in an effort to improve the capture of groundwater at the Maestri Site is proposing to install two new capture wells at the site. The wells would be about 80 feet apart and approximately 20 feet beyond the chain link fence at the back (north-east) of the site property. This would place the wells within a 30-foot wide drainage easement that runs adjacent to and parallel with the property line. The wells would be located in the relatively flat area, just back from the top of the hill as shown on the attached Figure 1. These would be closer to the source of contamination and would augment the capture of groundwater with higher contaminant levels.

The addition of these two new wells plus the drainage layer in the area to be excavated should not adversely affect the groundwater balance at the site or the ability of the existing treatment system to process groundwater for the following reasons.

- The existing groundwater treatment system was sized for a nominal flow of 8 gpm. The data in attached Table 1 shows that during the past 20 months the highest daily flow of treated groundwater was 5.8 gpm and that the system typically averages less than 2 gpm.
- Previous information presented in the August, 1994 Groundwater Recovery System Performance Test Report indicated that the groundwater flow through the contaminated portion of the site was normally about 1200 gpd. This is consistent with the current data as most of the flow through the system comes from RW-6.

The wells would be constructed to be similar to existing recovery wells RW-3, RW-4 and RW-5 as shown in attached Figure 2. Installation of the wells could begin as early as the week of June 17. Should you have any questions concerning the new wells please do not hesitate to contact me.

Sincerely,



J. A. MacArthur
Environmental Engineering Associate
Environmental Services & Operations

Enclosures
8A - 060496A.LTR

cc: D. Wright, OBG
M. Sykes, GTI

FIGURE 1

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

SITE MAP
(ENLARGED)



REV. 2/2/96 W.P.S.

5618.003-16F
O'BRIEN & GERE
ENGINEERS, INC.



**Certified
Environmental
Services, Inc.**

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

STAUFFER MANAGEMENT COMPANY
4512 JORDAN ROAD
SKANEATELES FALLS, NY 13153-
Attn: MR. JOHN M. ABRAHAM

PROJECT NAME: Maestri RW
DATE: 12/09/97

(Page 1 of 1)

LAB No.	SAMPLE		SAMPLER	DELIVERY TO LAB		
	DATE	TIME		DATE	TIME	MATRIX
148888	11/25/97	1040	John M. Abraham	11/25/97	1130	WA
148889	11/25/97	1040	John M. Abraham	11/25/97	1130	WA

CLIENT	LAB	TOTAL XYLENES
STATION ID	NUMBER	ug/L
Maestri Site RW		
-107	148888	137
Maestri Site RW		
-108	148889	< 3.0

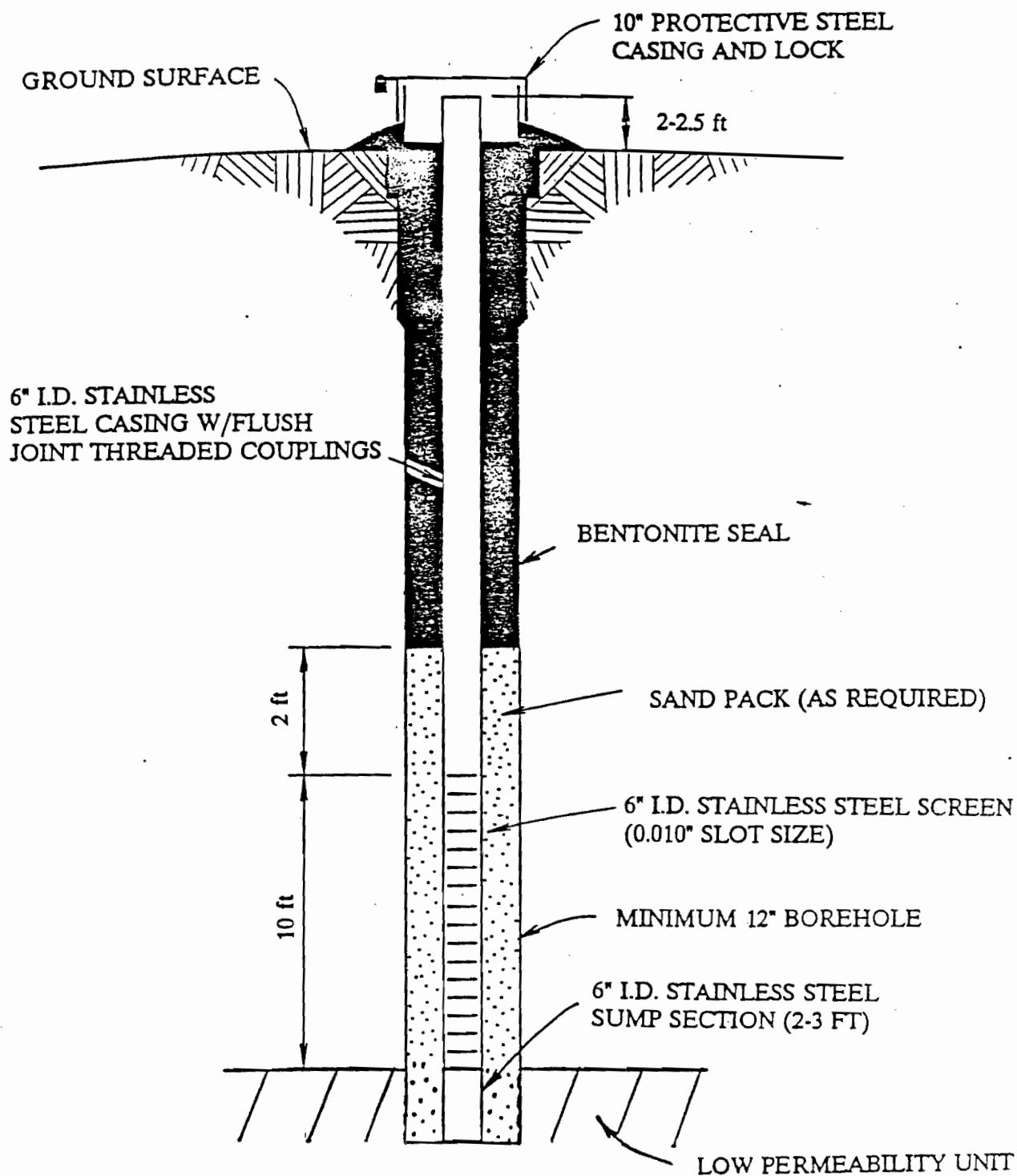
NYSDOH LAB ID NO. 11246

APPROVED BY: 

CHAIN OF CUSTODY RECORD

[illegible]

FIGURE 2



TYPICAL RECOVERY WELL

NOT TO SCALE

TABLE 1
MAESTRI SITE
Groundwater Discharge

Month	Maximum Daily Flow		Monthly Average Flow	
	gpd	gpm	gpd	gpm
Sep-94	2678	1.86	2201	1.53
Oct-94	2824	1.96	1916	1.33
Nov-94	3238	2.25	2244	1.56
Dec-94	3550	2.47	2858	1.98
Jan-95	2708	1.88	2223	1.54
Feb-95	2428	1.69	2089	1.45
Mar-95	6358	4.42	2911	2.02
Apr-95	3563	2.47	2902	2.02
May-95	2653	1.84	2184	1.52
Jun-95	2471	1.72	1994	1.38
Jul-95	1456	1.01	875	0.61
Aug-95	1877	1.30	1132	0.79
Sep-95	842	0.58	711	0.49
Oct-95	3586	2.49	1298	0.90
Nov-95	4255	2.95	2667	1.85
Dec-95	2596	1.80	2041	1.42
Jan-96	8377	5.82	4014	2.79
Feb-96	5926	4.12	4138	2.87
Mar-96	8030	5.58	4789	3.33
Apr-96	6543	4.54	4610	3.20



FLUOR DANIEL GTI

FDGTI

1996

September 30, 1996

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233-7010

FDGTI Project: 01110-0531

**Subject: Well Closure Actions
Maestri Site #7-34-025, Geddes, New York**

Dear Mr. Chiusano,

This letter is prepared to notify and present information regarding the closure of wells at the Maestri site. The following table indicates wells that are located in the excavation zone. The table shows which wells are to be removed or left in place.

Well Name	Depth of Well	Proposed Approximate Excavation Depth	Current Well Status	Well Closure Action
MW-6	20.40	10 side wall slope	Damaged	Fix and leave in place
MW-7	38.27	10 side wall slope	Damaged	Well removed and remaining borehole tremmied with cement/bentonite
MW-8	37.04	0		Leave in place
MW-9	19.20	0		Leave in place
PZ-1	22.80	5 side wall slope		Leave in place
PZ-2	19.66	0		Leave in place
PZ-8	20.00	20	Excavated	Excavated completely
PZ-9	21.00	2 side wall slope		Leave in place
PZ-11	20.50	20		Excavate completely
PZ-12	20.00	5 side wall slope		Leave in place
PZ-14	22.00	20		Excavate completely
PZ-15	22.00	5 side wall slope		Leave in place
PZ-16	24.00	10 side wall slope	Excavated	Fix and leave in place
RW-1	25.09	5 side wall slope		Leave in place



FLUOR DANIEL GTI

RW-4	22.95	0		Leave in place
RW-5	24.53	10 side wall slope		Fix and leave in place

Two wells (PZ-8 & PZ-16) have already been completely excavated. This table may change if the excavation area increases. If well closure activities differ from this table you will be notified. Well closures will take place as field conditions dictate. Field observations for each well closure will be collected.

Thank you for your continued expeditious review of documents and project issues. It has allowed the project to continue to be productive and efficient. If you have any questions or comments, please don't hesitate to call me at (518) 370-5631.

Sincerely,
Fluor Daniel GTI

Michael P. Sykes
Project Manager

cc: Chris Goddard, SMC
Joe MacArthur, SMC
Everett Rice, SMC
Paul Barth, E&E
John May, Region 7 - NYSDEC
Don Shosky, FDGTI
Brian Trapp, FDGTI



O'BRIEN & GERE
ENGINEERS, INC.

October 25, 1996

Mr. Joseph MacArthur
Environmental Services and Operations
ZENECA Inc.
Hanby Building
Wilmington, DE 19897

Re: Recovery Well Installations

File: 5618.005


Dear Mr. MacArthur:

Enclosed please find a copy of the internal memorandum and well logs for the two additional recovery wells installed at the Maestri Site. This information documents the activities conducted in conjunction with the installation and development of these wells in July.

Should you have any questions pertaining to this information or the project in general, please do not hesitate to contact me.

Very truly yours,

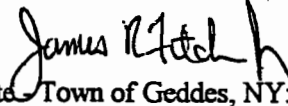
O'BRIEN & GERE ENGINEERS, INC.


Deborah Y. Wright, CPG
Managing Hydrogeologist

DYW:ers/2_corres/2dywitr

Enclosure

cc: Everett Rice (Zeneca Inc. - Maestri Site)
William Stilson (Zeneca Inc. - Oakland, California)

From: James R. Fitch, Jr. 
Re: Zeneca/ Maestri Site Town of Geddes, NY:
Additional Recovery Wells
File: 5618.007005
Date: July 18, 1996

cc: John M. Mason
Deborah Y. Wright

Two additional recovery wells were installed and developed at the Zeneca/Maestri Site in the Town of Geddes, New York between June 24 and July 2, 1996. The two new recovery wells, designated RW-7 and RW-8, were installed outside the fence on the east side of the property with RW-7 located at the approximate midpoint between PZ-2 and PZ-4, and RW-8 located at the approximate midpoint of PZ-7 and MW-17.

OP-Tech Environmental Services, Inc. was subcontracted to perform the drilling work under the supervision of the writer. Todd Burnham of OP-Tech was the foreman/driller on site to perform the drilling and well development work using a CME 75 truck mounted drilling rig.

Borings were advanced through the unconsolidated materials using 4 1/4 ID hollow stem augers for a pilot hole and sampled using split-barrel techniques in accordance with ASTM Method D 1586-84. Unconsolidated samples were examined visually, classified and pertinent data recorded on test boring logs (attached). Materials encountered consisted of silt with low percentages sand and gravel from ground surface to 7 ft, then below 7 ft materials were comprised of gravelly sands and sandy gravels until glacial till was encountered at 23.1 ft in RW-7 and 19.8 ft in RW-8. In both borings a thin glacial till, 0.5 to 1.5', overlay a soft weathered shale. Unconsolidated samples were collected into drillers jars for archival purposes. The pilot borings were over bored using 8 1/4-inch ID hollow stem augers in which the well materials were lowered and installed.

Each recovery well was constructed using 6-inch diameter materials with a 3.6 ft carbon steel sump, a 10.0 ft stainless steel (0.010-inch slot) well screen, and carbon steel riser with above ground locking top. Bentonite chips were placed below the sump to approximately 1 ft below the well screen to seal the bottom of the boring. The bottom of the well screen was placed at the top of glacial till formation and extended up through the sand and gravel unit. A 0 morie clean sand pack was installed from 1 ft below the well screen to approximately 2 feet above the top of the well screen. A bentonite chip seal approximately 2.5 ft was placed above the sand pack and topped off with several ft of bentonite grout to 3 to 4 ft below ground surface. The surface portion was left open to leave space for the installation of a pitless adapter allowing piping and electrical connections to the recovery well.

Each well was developed to remove fine grained materials from around the well due to installation and to improve well production capacity. RW-7 was developed for approximately 11 hours and RW-8 for 15 1/2 hours. Development was conducted by placing a surge block into the screened portion of the well and moving it up and down for approximately 30 to 60 minute intervals. The surge block was also moved up and down within 2 ft zones for 10 minute sub-intervals within the screen in order to focus the surging action on specific areas of the sand pack. Since the aquifer was being currently pumped by active recovery wells in the vicinity, water levels were such that "static" water levels recovered to the middle of the screened interval. In order to surge the entire screened interval, clean water was pumped into both recovery wells during development. After each surge interval, a hose was lowered to the bottom of the well and the drill rig pump (which pumped at a rate much higher than the yield of each recovery well) was used to pump out water until the well was essentially evacuated. Each "pump-out" volume was recorded and a sample of water was collected into a clear plastic cup to monitor visually the amount of sediment retained. Each well was developed until the water was yielding very little sediment. Total water purged: RW-7 = 264 gallons; RW-8 = 352 gallons.

5618.007

July 18, 1996

Page 2

Due to logistical problems associated with the Excavation Tent, some decontamination was accomplished by placing augers and rods on plastic and washing using a brush with alconox/potable water wash and potable water rinse. After usage of augers and rods were no longer required, they were placed on a front end loader and transported to a concrete decon pad and steam cleaned. Split-spoons were washed prior to each sample in 5 gallon buckets with a alconox/potable water wash and potable water rinse.

JF:ers/3_memos/1jfmjf

Attachments

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG	REPORT OF BORING RW-7				
Client: Maestri Site						Sampler: 2" Split Spoon		Page 1 of 2			
Proj. Loc: Town of Geddes, New York						Hammer: 140 lb		Location:			
File No.: 5618.007						Fall: 30 inch		Start Date: 6/24/96 End Date: 6/27/96			
Boring Company: OP-TECH Environmental Services						Screen =		Grout			
Foreman: Todd Burnham						Riser		Sand Pack			
OBG Geologist: James Fitch								Bentonite			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNU (ppm)		
		0	3	24/22"	9	Grayish brown (5YR 3/2), damp, loose, SILT, trace very fine sand and clay-grades to moderate brown (5YR 3/4), damp, SILT, some very fine SAND (matrix), little medium to coarse SAND, trace gravel - subrounded					
			4								
			5								
		2	5								
		2	2	24/15"	16	Moderate brown (5YR 3/4), damp, medium dense, SILT, some very fine sand (matrix), little medium to coarse sand, trace gravel, subrounded					
			4								
			6								
		4	4								
		4	4	24/1"	10	Poor recovery. moderate brown (5YR 3/4), damp medium dense, SILT, some very fine sand (matrix) little medium to coarse sand, trace gravel, subrounded					
			4								
			6								
			6	6							
		6	14	12/7"		Moderate brown (5YR 3/4), damp, very dense SILT, little very fine sand (matrix), some gravel and rock fragments, little medium to coarse sand					
		7	50/0.5								
		8	23	24/20"	17	Moderate brown (5YR 3/4), damp to wet, medium, dense, GRAVEL and rock fragments, some to little fine to coarse sand, trace silt and clay, angular to subrounded					
			7								
			10								
		10	56								
		10	50/0.4	5/5"		Moderate brown (5YR 3/4), damp to wet, medium, very dense, GRAVEL and rock fragments, some to little fine to coarse sand, trace silt and clay, angular to subrounded					
		10.4									
		12	28	24/24"	60	Pale brown (5YR 5/2), moist to wet, very dense gravelly medium to very coarse SAND, trace fine sand, silt and clay, angular to subrounded					
			36								
			24								
		14	28								
		14	19	24/19"	41	Pale brown (5YR 5/2), wet, dense, medium to very coarse SAND and gravel, trace fine sand, silt and clay					
			18								
			23								
		16	18								
		16	18	24/17"	50	Pale brown (5YR 5/2), wet, dense, GRAVEL and coarse to very coarse, sand, trace fine to medium sand, silt and clay, angular to subrounded					
			20								
			30								
		18	40								
		18	17	24/19"	53	Pale brown (5YR 5/2), saturated, very dense, GRAVEL and coarse to very coarse sand, trace fine to medium sand, silt and clay, angular to subrounded.					
			22								
			31								
		20	22								

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG	REPORT OF BORING RW-7		
Client: Maestri Site						Sampler: 2" Split Spoon	Page 2 of 2		
Proj. Loc: Town of Geddes, New York						Hammer: 140 lb	Location:		
File No.: 5618.007						Fall: 30 inch	Start Date: 6/24/96		
							End Date: 6/27/96		
Boring Company: OP-TECH Environmental Services						Screen =	\		Grout
Foreman: Todd Burnham						Riser =			Sand Pack
OBG Geologist: James Fitch									Bentonite
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNU (ppm)
		20	29	24/24"	64	Pale brown (5YR 5/2) saturated, very dense GRAVEL and coarse to very coarse sand, trace fine to medium sand, silt and clay, angular to subrounded		= = = = = =	x
		22	45						
		22	12	24/22"	54	Pale brown (5YR 5/2), saturated, very dense GRAVEL and coarse to very coarse, sand, trace fine to medium sand, silt and clay, angular to subrounded to 23.1 ft, then grayish brown (5YR 4/2), moist, very dense SILT, some to little clay and very fine sand (matrix), little fine to coarse sand and fine to coarse gravel approximately '(in suspension), angular to subrounded to '23.5 ft then medium greenish gray, weathered SHALE with several inches mixed with above materials in pockets			
		24	50						
		24	16	24/21"	78	Greenish gray (5GY 6/1), weathered SHALE			
			29						
			49						
		26	57						
						Bottom of boring 26.0 ft; pilot hole was advanced using 4 1/4 inch I.D. augers. Advanced 8 1/4 inch I.D. augers to 27.5 ft below grade (26.8 ft specified to driller)	27.5'		
Note: 6 1/2 ft of water on rods measured from the bottom of the split spoon when removed from a depth of 24.0 ft. A bentonite chip plug was placed from 23.5 to 24.3 ft, a 6-inch diameter carbon steel well sump was placed from 26.7 to 23.1 ft, a stainless steel 6-inch diameter (0.010 slot) well screen was placed from 23.1 to 13.1 ft, with a carbon steel riser, to 1.7 ft above ground. A 0 morie sand pack was placed from 24.3 to 10.8 ft, a bentonite chip was placed from 10.8 to 8.3 ft, and a bentonite cement grout to approximately 3 ft below ground surface.									
JF:ers/4_notes/2RW-7									

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LC	REPORT OF BORING RW-8			
Client: Maestri Site						Sampler: 2" Split Spoon		Page 1 of 2		
Proj. Loc: Town of Geddes, New York						Hammer: 140 lb		Location:		
File No.: 5618.007						Fall: 30 inch		Start Date: 6/25/96 End Date: 6/27/96		
Boring Company: OP-TECH Environmental Services						Screen <input checked="" type="checkbox"/> =		Grout <input type="checkbox"/>		
Foreman: Todd Burnham						Riser <input type="checkbox"/>		Sand Pack <input checked="" type="checkbox"/>		
OBG Geologist: James Fitch								Bentonite <input checked="" type="checkbox"/>		

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing HNU (ppm)
		0	2	24/24"	12	Grayish brown (5YR 3/2), damp, medium dense, SILT, little very fine sand, trace medium to coarse sand, gravel and clay, angular to subangular		\	\
			5					\	\
			7					\	\
		2	10					\	\
		5	2	24/21"	6	Grayish brown (5YR 3/2), damp, loose, SILT, little very fine sand, trace medium to coarse sand, gravel and clay, angular to subrounded			
			3						
			3						
		7	4						
		10	22	12/12"		Grayish brown (5YR 3/2) to moderate yellowish brown (10YR 5/4), moist to wet, fine to coarse GRAVEL, some fine to coarse sand, little silt, trace clay		=	
		11	50/0.5					=	
								=	
								=	
		12	14	24/18"	61	Moderate brown (5YR 3/4), moist to wet, very dense, fine to coarse GRAVEL, some fine to coarse sand, trace silt and clay, subrounded		=	
			35					=	
			26					=	
		14	38					=	
		14 to 14.5	50/0.5	6/3"		Moderate brown (5YR 3/4), saturated, very dense, fine to coarse GRAVEL, little fine to coarse sand trace silt and clay, subrounded		=	
								=	
		16-16.3	50/0.3	4/4"		Grayish brown (5YR 3/2), moist to slightly wet, very dense, fine to coarse SAND, some gravel, little to trace silt, trace clay		=	
								=	
		18	10	24/24	26	Grayish brown (5YR 3/2) to moderate brown (5YR 3/4), saturated, medium dense, medium SAND, some coarse sand, little fine sand trace silt to 19.5 ft then fine to medium sand, little silt to 19.45' then fine SAND, little silt, with 1/2 inch clayey SILT to 19.8 ft then moist grayish brown (5YR 3/2), clayey SILT, little very fine sand (matrix), trace medium to coarse sand, subrounded (in suspension) moderately plastic		=	
			12					=	
			14					=	
		20	19					=	
								=	
								=	
		20	15	24/22"	49	Grayish brown (5YR 3/2) saturated, dense, clayey SILT, little very fine sand (matrix), some to little medium to coarse sand and gravel (in suspension) subrounded to angular, changes at 21.3 ft to greenish gray (5GY 6/1), damp, very weathered SHALE, soft, fissile with clayey component, mixed in pockets with above material to 21.8 ft	20.9'		
			22						
			27						
		22	48						

ent cobbles between 11 and 18 feet. Noted 4 1/2 feet of water on rods when measured from tip of spoon driven to 20 ft depth.

[illegible]

**STAUFFER
MANAGEMENT
COMPANY**

BY E Rice DATE 11-21-97 SHEET 1 OF 1
SUBJECT RW 107 & 108

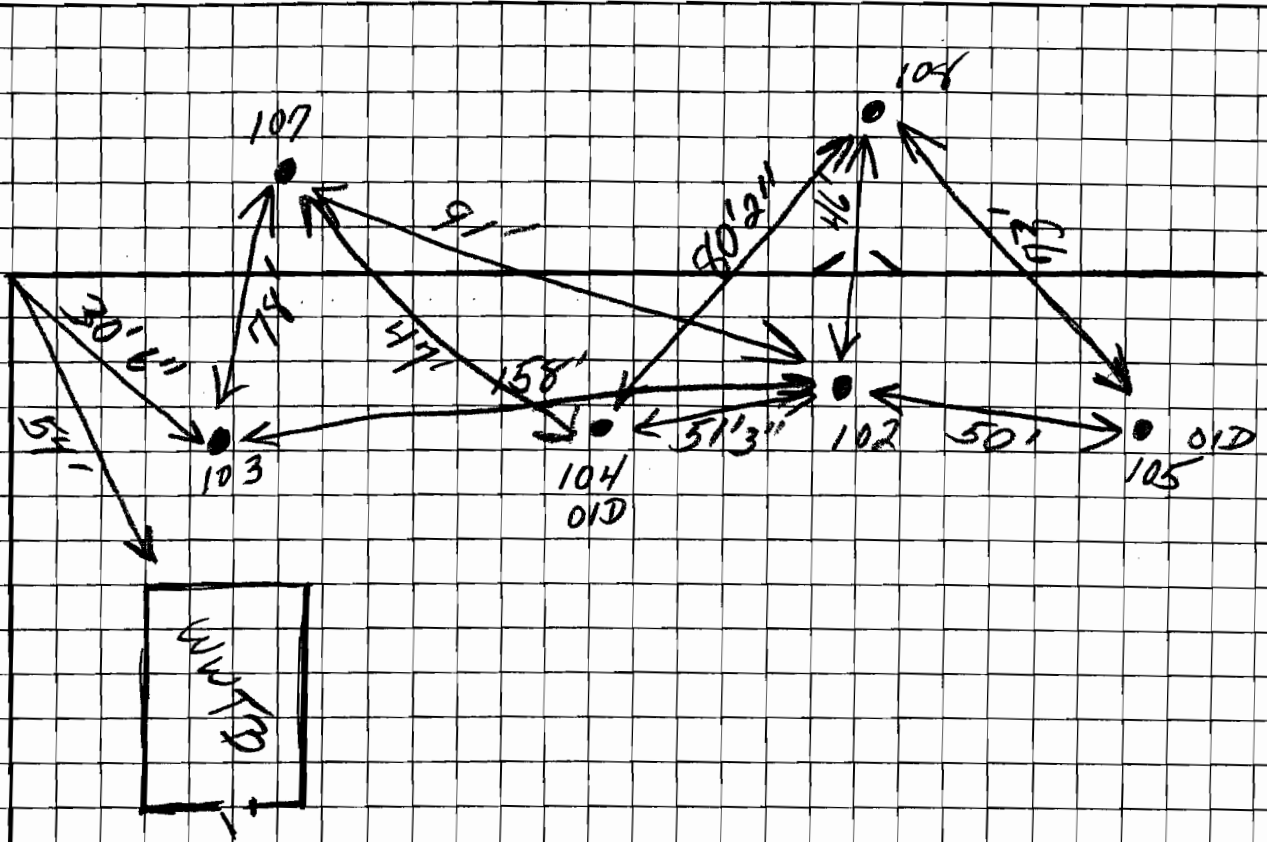
Top of Casing TO:		RW 107	RW 108
#1	Grade	= 1.4	2.3
#2	Pitless Adapter	= 5.1	6.1
#3	Bottom of well	= 28.4	25.9
#4	Water level Before startup.	= 15.2	15.2

Distance Between		
Pitless adapter &	= 20.5	17.0
Pump Intake		

STAUFFER MANAGEMENT COMPANY

BY _____ DATE _____ SHEET _____ OF _____

SUBJECT _____



		OLD		OLD
	103	104	102	105
T-C	2.5	0.7	3.2	0.0
Grade		3.3		1.6

	107	108
T-C	3.7	2.8
Grade	5.5	5.2

TABLE 1
MONITORING WELL, RECOVERY WELL, AND PIEZOMETER SPECIFICATION

MASETRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

WELL NO.	WELL DEPTH BELOW GRADE (FEET)	GRADE ELEV. (FT)	PROTECTIVE STEEL CASING ELEV. (FT)	DEPTH TO BEDROCK (FEET)	MEASURING POINT ELEVATIONS (*/**) (FEET)	SCREENED - INTERVAL (FEET)	HYDRAULIC COND. (cm/s)
PZ-1	22.80	405.00	407.16	NA	407.02 **	382.20 - 392.20	1.1 x 10 ⁻⁴
PZ-2	19.66	405.50	407.37	NA	407.24 **	385.84 - 395.84	2.5 x 10 ⁻⁵
PZ-3	20.10	407.80	409.75	NA	409.60 **	387.70 - 397.70	8.1 x 10 ⁻⁵
PZ-4	19.50	394.70	394.84	NA	394.50 **	375.00 - 385.00	NA
PZ-5	20.00	393.70	393.71	NA	393.34 **	373.34 - 383.34	NA
PZ-6	20.30	408.30	410.42	NA	410.22 *	377.96 - 387.96	NA
PZ-7	23.10	407.20	409.30	NA	409.17 *	374.09 - 384.09	NA
PZ-8	20.10	408.30	410.24	NA	410.07 *	378.24 - 388.24	NA
PZ-9	21.20	406.90	408.92	NA	408.77 *	375.73 - 385.73	NA
PZ-10	20.00	405.90	407.21	NA	407.07 *	375.37 - 385.37	NA
PZ-11	20.90	407.20	409.32	NA	409.17 *	376.27 - 386.27	NA
PZ-12	20.50	406.20	408.35	NA	408.21 *	375.72 - 385.72	NA
PZ-13	19.70	405.30	407.31	NA	407.17 *	375.57 - 385.57	NA
PZ-14	22.70	406.70	408.61	NA	408.47 *	374.01 - 384.01	NA
PZ-15	22.10	405.00	406.90	NA	406.77 *	372.91 - 382.91	NA
PZ-16	25.20	404.70	406.84	NA	406.70 *	369.46 - 379.46	NA
PZ-17	25.30	405.80	407.79	NA	407.61 *	370.47 - 380.47	NA
PZ-18	23.20	404.40	406.48	NA	406.32 *	371.18 - 381.18	NA
PZ-19	23.90	404.90	407.04	NA	406.90 *	371.03 - 381.03	NA

TABLE 1
MONITORING WELL, RECOVERY WELL, AND PIEZOMETER SPECIFICATION

MASE HI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

WELL NO.	WELL DEPTH BELOW GRADE (FEET)	GRADE ELEV. (FT)	PROTECTIVE STEEL CASING ELEV. (FT)	DEPTH TO BEDROCK (FEET)	MEASURING POINT ELEVATIONS (*/**) (FEET)	SCREENED - INTERVAL (FEET)	HYDRAULIC COND. (cm/s)
MW-5	34.51	432.80	434.73	8.0	434.50 *	398.29 - 413.29	7.8×10^{-3}
MW-6	20.40	407.20	409.44	21.0	409.26 *	386.80 - 401.80	8.0×10^{-6}
MW-7	38.27	406.90	409.15	21.0	408.99 *	368.63 - 378.63	8.0×10^{-6}
MW-8	37.04	406.14	408.14	20.0	408.02 *	369.10 - 379.10	2.1×10^{-5}
MW-9	19.20	406.20	407.79	20.0	407.51 *	387.00 - 397.00	3.7×10^{-6}
MW-10	19.48	412.50	414.13	20.0	413.92 *	393.02 - 403.02	1.5×10^{-5}
MW-11	40.46	416.50	417.93	21.0	417.46 **	376.04 - 386.04	1.0×10^{-4}
MW-12	19.16	416.60	418.54	21.0	418.36 **	397.44 - 407.44	3.2×10^{-4}
MW-13	46.44	404.60	406.00	27.8	405.68 **	358.16 - 368.16	3.2×10^{-7}
MW-14	19.93	404.50	405.79	27.8	405.18 **	384.57 - 394.57	9.8×10^{-4}
MW-15	45.03	391.10	392.58	28.0	391.04 **	346.07 - 356.07	2.1×10^{-6}
MW-16	17.82	391.00	392.56	28.0	390.57 **	373.18 - 383.18	4.8×10^{-2}
MW-17	19.10	393.60	395.28	NA	393.26 **	374.50 - 384.50	1.6×10^{-3}
MW-18	15.65	394.00	395.11	18.5	393.59 **	378.35 - 388.35	4.0×10^{-4}
MW-19	39.96	394.00	395.06	18.5	393.26 **	354.04 - 364.04	8.4×10^{-6}
MW-20	16.72	386.80	386.85	NA	386.59 **	369.87 - 379.87	2.9×10^{-4}
MW-21	19.86	385.80	385.95	NA	385.70 **	365.84 - 375.84	3.6×10^{-6}

Table 1
Monitoring Well, Recovery Well, And Piezometer Specification

Focused Remedial Investigation
Masetri Site
904 State Fair Blvd.
Town of Geddes, New York

WELL NO.	WELL DEPTH BELOW GRADE (FEET)	GRADE ELEV. (FT)	PROTECTIVE STEEL CASING ELEV. (FT)	DEPTH TO BEDROCK (FEET)	MEASURING PT. ELEVATION("P") (FEET)	SCREENED - INTERVAL (FT)	HYDRAULIC COND. (cm/s)
RW-1	25.09	405.40	407.75	NA	408.86 **	383.31 - 393.31	NA
RW-2	20.64	405.50	407.86	NA	408.46 **	386.86 - 396.86	NA
RW-3	25.33	404.30	407.19	NA	407.02 **	381.97 - 391.97	NA
RW-4	22.95	406.30	409.11	NA	408.90 **	386.35 - 396.35	NA
RW-5	24.53	407.70	NA	NA	409.67 **	386.17 - 396.17	NA
RW-6	21.86	393.60	393.64	NA	393.29 **	374.74 - 384.74	NA

NOTES: MW-5 and MW-6 Installed by Malcolm-Pirnie, Inc. in December 1987.
* - PVC
** - Stainless Steel
NA - Not Available

JUNE 1996

GROUND WATER ELEVATION TABLE													
MAESTRI SITE													
904 STATE FAIR BLVD.													
TOWN OF GEDDES, NEW YORK													
WELL NUMBER	MEASURING POINT	DEPTH TO WATER	GROUND ELEVATION	DEPTH TO WATER	GROUND ELEVATION	DEPTH TO WATER	GROUND ELEVATION	DEPTH TO WATER	GROUND ELEVATION	DEPTH TO WATER	GROUND ELEVATION	DEPTH TO WATER	GROUND ELEVATION
ELEVATION		6/4/96		6/11/96		6/18/96		6/25/96					
MW-5	434.5	17.7	416.8	18.3	416.2	18.9	415.6	19.1	415.4				434.5
MW-6	409.26	7.6	401.66	9.4	399.86	10.1	399.16	N.A.					409.26
MW-9	407.51	9.6	397.91	9.0	398.51	10.4	397.11	10.8	396.71				407.51
MW-10	413.92	8.0	405.92	8.3	405.62	9.0	404.92	9.3	404.62				413.92
MW-12	418.36	7.0	411.36	8.7	409.66	9.2	409.16	9.5	408.86				418.36
MW-14	405.18	16.4	388.78	16.5	388.68	16.6	388.58	16.6	388.58				405.18
MW-16	390.57	4.8	385.77	4.1	386.47	4.5	386.07	4.8	385.77				390.57
MW-17	393.26	6.3	386.96	5.7	387.56	6.1	387.16	6.4	386.86				393.26
MW-18	393.59	1.2	392.39	0.9	392.69	1.5	392.09	1.8	391.79				393.59
MW-20	386.59	0.8	385.79	0.2	386.39	0.6	385.99	0.8	385.79				386.59
MW-21	385.7	2.9	382.8	2.4	383.3	2.8	382.9	2.9	382.8				385.7
PZ-1	407.02	18.4	388.62	19.7	387.32	20.1	386.92	20.2	386.82				407.02
PZ-2	407.24	12.2	395.04	10.7	396.54	13.0	394.24	13.2	394.04				407.24
PZ-3	409.6	10.6	399	10.6	399	11.7	397.9	12.0	397.6				409.6
PZ-4	394.5	8.5	386	7.9	386.6	8.3	386.2	8.5	386				394.5
PZ-5	393.34	7.8	385.54	7.0	386.34	7.5	385.84	7.7	385.64				393.34
PZ-6	410.22	10.4	399.82	10.5	399.72	11.4	398.82	11.7	398.52				410.22
PZ-7	409.17	10.7	398.47	10.2	398.97	11.7	397.47	12.0	397.17				409.17
PZ-8	410.07	10.7	399.37	10.25	399.82	11.6	398.47	N.A.					410.07
PZ-9	408.77	10.4	398.37	9.6	399.17	11.0	397.77	11.5	397.27				408.77
PZ-10	407.07	9.3	397.77	8.7	398.37	10.2	396.87	10.45	396.62				407.07
PZ-11	409.17	10.8	398.37	10.3	398.87	11.6	397.57	N.A.					409.17
PZ-12	408.21	12.6	395.61	11.8	396.41	13.1	395.11	13.4	394.81				408.21
PZ-13	407.17	15.3	391.87	13.9	393.27	15.5	391.67	15.9	391.27				407.17
PZ-14	408.47	12.2	396.27	11.5	396.97	12.5	395.97	13.3	395.17				408.47
PZ-15	406.77	19.4	387.37	18.4	388.37	19.7	387.07	19.8	386.97				406.77
PZ-16	406.7	17.5	389.2	17.4	389.3	18.3	388.4	18.3	388.4				406.7
PZ-17	407.61	17.9	389.71	16.4	391.21	17.2	390.41	17.1	390.51				407.61
PZ-18	406.32	17.4	388.92	17.2	389.12	17.7	388.62	17.7	388.62				406.32
PZ-19	406.9	16.6	390.3	16.2	390.7	17.0	389.9	17.0	389.9				406.9
RW-1	406.86	18.1	388.76	20.4	386.46	22.9	383.96	21.2	385.66				406.86
RW-2	406.46	14.6	391.86	17.0	389.46	17.6	388.86	16.7	389.76				406.46
RW-3	407.02	22.0	385.02	23.5	383.52	22.7	384.32	24	383.02				407.02
RW-4	408.9	20.5	388.4	13.0	395.9	20.9	388	20.7	388.2				408.9
RW-5	409.67	16.6	393.07	22.0	387.67	21.3	388.37	21.6	388.07				409.67
RW-6	393.29	18.2	375.09	16.2	377.09	10.6	382.69	16.0	377.29				393.29

MAESTRI.XLS 7/22/96 WPS

N.A. = Not Accessible.

From: Gary Kline
To: djchiusa
Date: 9/22/98 2:28pm
Subject: Mastri Sampling -Reply

Dave

I received a call from Mr Fisher today. (151 Alhan)

He is requesting that the monitoring well in the front of his property be decommissioned and pulled. He will be putting his request in writing this week.

I have no problem with his request.. Please see to it that Stauffer has someone from OBG out there next week that is able to complete the work.

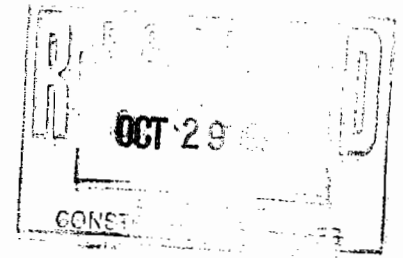
thanks

Gary



O'BRIEN & GERE
ENGINEERS, INC.

October 22, 1998



Mr. David Chiusano
New York State Department of Environmental Conservation
Division of Environmental Remediation
50 Wolf Road
Albany, NY 12233-7010

Re: Site #7-34-025 Maestri Site
Well Abandonment

File: 5618.005

Dear Mr. Chiusano:

In response to your correspondence dated October 8, 1998 notifying Stauffer Management Company (SMC) to decommission MW-21 at the above-referenced site, this letter serves to advise you that SMC will abandon the well as soon as the driller is available. The completion log for well MW-21 (attached) indicates that the well is 20 ft deep, constructed of 2 inch diameter PVC screen and riser casing with a flush-mounted cover. The well is installed at the top of the dense glacial till unit present at the site and therefore does not penetrate a confining unit. In addition, historic ground water quality data indicates that the well does not contain any contamination.

Abandonment procedures outlined in section 2.1 of the NYSDEC document entitled Groundwater Monitoring Well Decommissioning Procedures prepared by Malcolm Pirnie, Inc. dated May 1995 states that casing pulling is acceptable for decommissioning in cases "...where: no contamination is present; contamination is present but the well does not penetrate a confining layer; and when both contamination and a confining layer are present but the contamination cannot cross the confining layer..." Well MW-21 meets this criteria.

Therefore, in accordance with section 2.1 of the above referenced document the procedure to be used for decommissioning of MW-21 is as follows:

1. The surface casing and surrounding concrete will be removed.
2. The bottom of the PVC screen will be punctured with the drilling tools.
3. The well casing will then be used as a tremie pipe by filling the casing with grout to fill the hole with grout. The casing will be pulled from the hole using a drill rig, backhoe, crane, or other suitable equipment. Additional grout must be added to the casing as it is withdrawn.
4. In the event that the casing or well screen is severed during casing pulling, the remaining portion will be removed by overdrilling using the hole using hollow stem augers in accordance with section 2.2 of the above-referenced document. Overdrilling will proceed to a depth of 20.5 ft. Once the augering is complete, the borehole will be grouted from the bottom using as tremie pipe as the augers are removed.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittanfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. David Chiusano
October 22, 1998
Page 2

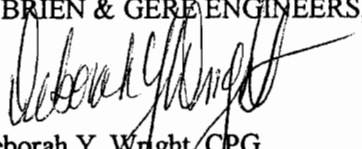
5. The hole will be grouted to approximately 0.5 ft below grade to allow for the spreading of soil over the top to promote grass growth.

The drillers are scheduling the completion of this well abandonment as a fill-in program for the drilling rigs. It is tentatively set to occur on Friday October 30, 1998, pending availability of the drilling rig. A representative of SMC will be onsite to observe and document the decommissioning procedure. Should the schedule be modified, you will be notified. However, because of the flexible scheduling the notification may be as short as 12 hours.

Should you have any questions pertaining to this information, please do not hesitate to contact Chris Goddard at SMC or me.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.



Deborah Y. Wright, CPG
Managing Hydrogeologist

I:\DIV76\PROJECTS\5618005\2_CORRES\DECABAND.WPD

cc: Christopher Goddard (Stauffer Management Company)
Joseph MacArthur (Stauffer Management Company)

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		REPORT OF BORING MW-21 PAGE 1 OF 1	
CLIENT:						SAMPLER: 2" Split Spoon		LOCATION: Front of 151 Alhan Pkwy	
PROJECT LOCATION: Maestri Site Geddes, NY						HAMMER: 140 lbs		START DATE: 5/12/93	
FILE NO.: 5618.001						FALL: 30"		END DATE: 5/12/93	
BORING COMPANY: Parratt-Wolff, Inc.						LEGEND:		<input type="checkbox"/> Grout <input type="checkbox"/> Sand Pack <input type="checkbox"/> Pellets	
FOREMAN: Glen Lansing								<input type="checkbox"/> Screen	
OBG GEOLOGIST: John M. Mason								<input type="checkbox"/> Riser	
DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /ft	PENETR/ RECOVERY	"N" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRPT	EQUIPMENT INSTALLED	FIELD TESTING HNU (ppm)
0	1	0-2	2-5-6-6	2'/2'	11	Dry, light brown, very fine SAND and SILT, little fine gravel, trace clay and organics (wood) [Fill]			0
1									
2									
3									
4									
5	2	5-7	1-1-1-1	2'/2'	2	Wet, light gray, layered, silty CLAY, trace lense of very fine to fine sand			0
6									
7									
8									
9									
10	3	10-12	WOH-2- 8-5	2'/2'	10	Wet, light to medium gray SILT, some clay to very fine sand, little fine sand			0
11									
12									
13									
14									
15	4	15-17	10-21- 23-18	2'/2'	44	15-16' Same as above 16-17' Dry, red brown to red, clayey SILT, some very fine sand, little fine sand, trace gravel (shale fragments) [Till]			0
16									
17									
18	5	18-20	8-50/3"	0.6'/0'	—	No recovery			
19									
20						Bottom of boring 20 ft.			

WOH = weight of hammer

D. Iruano

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services, Room 267
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-9280 FAX: (518) 457-7743



October 8, 1998

Mr. Christopher Goddard, Project Manager
Zeneca Engineering
1800 Concord Pike
Wilmington, Delaware 19850-5438

Dear Mr. Goddard:

RE: Site # 7-34-025, Maestri Site
(T) Geddes (C) Onondaga

This letter serves as a formal notice to the Stauffer Management Company (SMC) to decommission monitoring well # 21 located at the subject site on 151 Alhan Parkway. This request is being made for the resident at 151 Alhan Parkway, Mr. Larry Fischer, who has appealed to the Department that this well be decommissioned as soon as possible.

The Department has evaluated the future monitoring necessity for this well, and has determined that this well will not be required to be monitored by SMC during the long term O&M phase of the project. The Department's position is that this request will have no future implications on the implementation of the remedy by SMC. Remedial, operational, and monitoring requirements as stipulated within the RA contract documents, Record of Decision, and the Order on Consent, will be unaffected by this request.

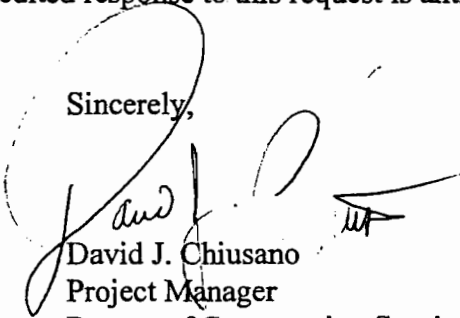
Finally, as a guidance, I have attached a copy of the October 1996, NYSDEC document entitled, "Groundwater Monitoring Well Decommissioning Procedures". Please review and utilize the recommended procedures within this document and provide a brief, but specific, monitoring well decommissioning plan to me for review and approval. Moreover, for your information, I have enclosed a sample contract specification used for well decommissioning at a recent state superfund project.

Mr. Christopher Goddard

Page 2

Also, please provide a decommissioning schedule to me with your workplan submittal. Should you have any further questions regarding this matter please contact me as soon as possible. SMC's expedited response to this request is anticipated and appreciated.

Sincerely,



David J. Chiusano
Project Manager
Bureau of Construction Services
Division of Environmental Remediation

Enclosure

cc:	w/enc.:	J. MacArthur
		L. Mette, Esq. - SMC
		D. Wright - O'Brien & Gere
	w/o enc.:	L. Fischer
		G. Kline - NYSDEC

DJC/ts

bcc: G. Harris
D. Chiusano
Dayfile
a:mstmwdecom.wpd

October 6, 1998

OCT 14 1998

Mr. Dave Chiusano
NYS Department of Conservation
51 Wolf Road
Albany, New York 12233-7010

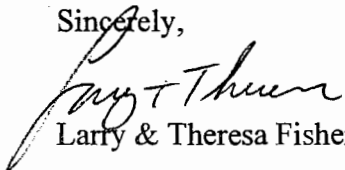
Re: 151 Alhan Parkway

Dear Dave:

Please accept this letter as our documented request to have the wells on our property at 151 Alhan Parkway decommissioned. My wife and I would very much appreciate matter be attended to immediately.

Thank you for your assistance in this matter.

Sincerely,


Larry & Theresa Fisher

Post-it® Fax Note 7671		Date 10/14/98	# of pages 1
To Chris Goddard	From D. CHIUSANO		
Co./Dept. SMC	Co. MISOEC		
Phone #	Phone #		
Fax # (302) 886-4440	Fax #		

From: Goddard Chris CM <Chris.Goddard@AGNA.zeneca.com>
To: "'Chiusano, David'" <djchiusa@gw.dec.state.ny.us>
Date: 4/16/99 10:34am
Subject: Maestri

David,

The following is an update on the site status and a listed reply to some of the recent requests from yourself and John May. We trust this will meet your needs. As always, if there are questions or you wish additional information please let me know.

* We reviewed the status of the various wells. Only a few wells were eliminated as part of the project. They are PZ 1,8,11,16 & 17; MW 6,7&21 plus RW101. RW 104 & 105 are in place but not operational. We installed two new wells (RW 107 & 108) along the east side of east fence. RW 109, which was installed in the center of the excavation, has been removed from service after it shifted during filling of the excavation and was damaged.

* We will sample all of the wells remaining using the accepted protocols. This will be done by John Abraham over the next 2 months as part of the regular water sampling.

* We will sample the remaining biopiles in early June. We want to wait for them to experience the warmer weather before sampling which will help drive off the volatiles to the collection system.

* Once the soil sampling is complete (and hopefully we have dismantled the piles), we will complete a final ongoing O&M plan. We expect it to be the same as the current groundwater operations plan accepted in 1992 which basically covers the ongoing operation of the groundwater recovery system and well sampling.

* Once soils are returned to the excavation, we will grade and seed the site in accordance with the accepted contract documents as issued by O'Brien and Gere (Section 02503 and 02981).

* Joe MacArthur is in negotiations with IT/GTI for the treatment of the RW2 area. Their initial proposal did not meet the SMC requirements and requires modification. We expect that ready for your review around the end of April.

* Surface water controls are now in place per the submitted sketches. All water is being routed through the silt collection basin or the clean water part of the excavation. We will continue to monitor the flow of surface water. However, we remain concerned about actions on the front of the property which we cannot control that continue to alter the flow of surface water.

* We intend to have the construction certification report completed by SPEC, Inc. We are finalizing the arrangements for this work now.

* Debris from the dismantled biopiles has been collected and removed from the site and properly disposed.

We trust this meets the needs of NYSDEC. As stated, please let us know if there are any questions.

Chris
Chris Goddard
Engineering Risk Manager

CC: MacArthur Joe JA <Joe.MacArthur@AGNA.ZENECA.com>, ...



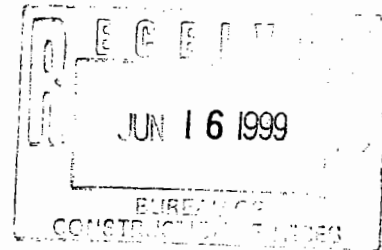
IT Corporation

British American Boulevard
Latham, NY 12110-1405
Tel. 518.783.1996
Fax. 518.783.8397

A Member of The IT Group

June 9, 1999

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services, Room 267
50 Wolf Road
Albany, New York 12233-7010



**RE: Groundwater Sampling Program
Stauffer Management Company
Maestri Site
Geddes, New York
Site #7-34-025**

Dear Mr. Chiusano:

The purpose of this letter is to outline the groundwater sampling program that IT Corp. will perform for SMC at the Maestri, Geddes, New York site 7-34-025. The purpose of this sampling event is to establish current groundwater quality conditions.

Nineteen (19) wells and piezometers are proposed to be sampled; these include MW-5, MW-9, MW-10, MW-12, MW-14, MW-16, MW-17, MW-18, MW-20, RW-2, RW-3, RW-5, RW-6, RW-7, RW-8, PZ-9, PZ-10, PZ-12, and PZ-14.

The wells will be sampled within approximately two (2) weeks. Three to five well volumes will be removed (purged) from the wells prior to the sampling. Purge water will be discharged through the existing treatment system. Samples will be sent to CES Laboratories in Syracuse, New York for analysis of volatile organic compounds via U.S. EPA Method 8240 and semi-volatile organic compounds via U.S. EPA Method 8270 under standard (2-week) turnaround time.

The resulting laboratory analytical data will be tabulated and summarized in a letter format report that will be submitted to your attention within 30 days of completion of the sampling. This field work will begin within two (2) weeks, and will take 2 days to complete. We will provide you with the exact dates as soon as they become available to us.

Please do not hesitate to contact me at (518)783-1996 or Joe MacArthur of SMC at (302)886-4257 should you have any questions or comments regarding this work scope.

Sincerely,
IT Group

A handwritten signature in cursive script, appearing to read "Michael P. Sykes", with a horizontal line drawn underneath the name.

Michael P. Sykes, P.E.
Project Manager

cc: Joe MacArthur, SMC
Dave Stoll, IT Corporation

STAUFFER MANAGEMENT COMPANY

Environmental Services & Operations
1800 Concord Pike
Wilmington, DE 19850-5437

Telephone: (302) 886-4257
Facsimile: (302) 886-5933

August 16, 1999

Mr. David Chiusano
New York State Department
of Environmental Conservation
50 Wolf Road
Albany, NY 12233-7010

Re: Maestri Site - Onondaga County
Site No. 7-34-025

Dear Mr. Chiusano:

Enclosed are the results of the well sampling performed at the Maestri Site on June 30 and July 1, 1999. The results show that

- most of the groundwater wells are clean
- there is a pocket of residual contamination near RW-2.
- there is a small plume extending off-site toward Alhan Parkway but that this is being captured by RW-6.

The high readings in RW-5 were apparently caused by a tarry material that collected in the well. Once the well was surged several times and resampled the xylene concentration dropped to 34 ppb.

As you know sampling around RW-2 and RW-5 with a Geo-probe was unsuccessful due to the rocky ledge in this area. We will propose methods to try to treat the residual contamination in the water in the near future. If this is not successful we would have to rely on continued operation of the groundwater treatment system and natural attenuation in the groundwater. As you may recall the ROD indicated that the groundwater system would have to run for several years after the soil remediation was completed.

Sincerely,



J. A. MacArthur

Environmental Engineering Associate
Environmental Services & Operations

Enclosure

8Ab\WELLSAMP\081699D.LTR

bcc: J. F. Peter*
B. A. Spiller*
L. W. Mette*
C. Goddard*
FILE: ENV-MAESTRI-GWS-RGY

* - No Attachment



10 Ward Road
N. Tonawanda, New York 14120-2410
716-693-8800
Fax: 716 693-8001

Mr. Joseph MacArthur
Stauffer Management
1800 Concord Pike
Wilmington, DE 19850

RECEIVED

July 27, 1999

JUL 30 1999

Re: SMC Maestri Site
Syracuse, New York
Groundwater Sampling Event: June 30, 1999 to July 1, 1999

Environmental Services
& Operations
FILE: CC: TO:

Dear Mr. MacArthur,

At your request, IT Corporation sampled 20 groundwater wells at the above referenced site from June 30, 1999 to July 1, 1999. Wells were purged with low flow electric pumps to either pump the well dry or to remove a minimum of three well volumes of water. After either condition occurred, wells were allowed to recharge prior to sampling by EPA methods 8260 and 8270. For active recovery wells, the existing pumps were used to remove the minimum of three well volumes of water. Generated well water was collected in a polyethylene tank, and then discharged to the sump of the groundwater treatment system.

When the sampling pump used to purge RW-5 was removed, it was coated with a highly hydrophobic, dark brown substance. Mr. John May, of the New York State Department of Environmental Conservation (NYSDEC) was on-site during sampling activities on the morning of the 30th, and was in the vicinity when the pump was removed. He took several photographs of the liquid and notified Dave Chiusano of the NYSDEC. The thickness of the oil layer could not be determined. The electric pump coated with the substance was not used to purge any other wells, and was left on-site.

The data collected during sampling, along with a summary of the sampling results, is shown in Table 1 on the following page. pH data was determined by color-coded test strips, and turbidity data was collected with a portable field kit. Analytes not detected in any samples were not included on Table 1.

If you have any questions about this sampling event, please do not hesitate to contact Brian Trapp at (716) 693-8800 or Mike Sykes at (518) 783-1996.

Sincerely,

IT Corporation

Brian M. Trapp
Brian M. Trapp
Engineer II

IT Corporation

Brian M. Trapp FOR
Michael P. Sykes
Project Manager

Table 1: Groundwater Sampling Results

SMC Maestri Sampling Event June 30, 1999 - July 1, 1999		By: Brian Trapp, IT Dave Evon, JBM											
		(ft)	(ft)	(in)	(gal)	(gal)	(F)			FTU	ug/L	ug/L	ug/L
Depth to Bottom	Depth to Water												
MW-5	36.44	21.50	2	7.3	8.0	54	7.0	156					
MW-9	22.64	12.28	2	5.1	4.5 d	53	7.5	15.63	14			14	
MW-10	21.11	13.50	2	3.7	2.0 d	55	7.0	155					
MW-12	21.10	13.00	2	4.0	5.0	54	7.0	379					
MW-14	21.22	11.70	2	4.7	1.5 d	55	7.5	141					
MW-16	19.38	4.30	2	7.4	9.0	55	7.5	43.92					
MW-17	20.78	5.90	2	7.3	8.0	52	7.0	195					
MW-18	16.76	2.20	2	7.1	9.0	54	7.5	184					
MW-20	16.97	0.25	2	8.2	8.0	57	7.0	31.68					
RW-2	23.00	12.00	6	48.5	71.0	56	7.5	2.33	31	10,700	22	14	
RW-3	28.22	14.50	6	60.5	85.0	58	7.0	21.1					
RW-5	24.53	12.60	6	52.6	60.0	58	7.0	32.1	40	3,700	4.4	59	
RW-6	21.90	6.40	6	68.3	78.0	56	7.7	44.93					
RW-7	27.50	14.00	6	59.5	72.0	54	8.0	12.94	3,900	113			
RW-8	25.90	13.70	6	53.8	87.0	56	7.0	34.71					
PZ-9	23.22	12.75	2	5.1	3.0 d	54	7.5	154	173	20			
PZ-10	23.22	11.80	2	5.6	3.0 d	53	7.5	116				5.3	
PZ-12	22.65	15.13	2	3.7	4.0	52	9.0	30.93	4,300	3,260	360	180	17
PZ-14	24.61	12.35	2	6.0	7.0	52	8.0	357	1,230	10		1.0	1.4
PZ-6	22.15	12.65	2	4.7	5.0	53	7.5	148	34				

Notes:

d= Well was bailed dry during purge step.

PZ-12 showed some reaction (small bubbles) between the water and preservative.

A highly hydrophobic, oily substance was noted in RW-5.

Blank cells indicate "Not Detected"

John May (NYSDEC) was on-site for the 6/30/99 day of sampling.



IT Corporation

13 British American Boulevard
Latham, NY 12110-1405
Tel. 518.783.1996
Fax. 518.783.8397

A Member of The IT Group

June 9, 1999

Mr. David Chiusano
New York State Department of Environmental Conservation
Bureau of Construction Services, Room 267
50 Wolf Road
Albany, New York 12233-7010

**RE: Groundwater Sampling Program
Stauffer Management Company
Maestri Site
Geddes, New York
Site #7-34-025**

Dear Mr. Chiusano:

The purpose of this letter is to outline the groundwater sampling program that IT Corp. will perform for SMC at the Maestri, Geddes, New York site 7-34-025. The purpose of this sampling event is to establish current groundwater quality conditions.

Nineteen (19) wells and piezometers are proposed to be sampled; these include MW-5, MW-9, MW-10, MW-12, MW-14, MW-16, MW-17, MW-18, MW-20, RW-2, RW-3, RW-5, RW-6, RW-7, RW-8, PZ-9, PZ-10, PZ-12, and PZ-14.

The wells will be sampled within approximately two (2) weeks. Three to five well volumes will be removed (purged) from the wells prior to the sampling. Purge water will be discharged through the existing treatment system. Samples will be sent to CES Laboratories in Syracuse, New York for analysis of volatile organic compounds via U.S. EPA Method 8240 and semi-volatile organic compounds via U.S. EPA Method 8270 under standard (2-week) turnaround time.

The resulting laboratory analytical data will be tabulated and summarized in a letter format report that will be submitted to your attention within 30 days of completion of the sampling. This field work will begin within two (2) weeks, and will take 2 days to complete. We will provide you with the exact dates as soon as they become available to us.

MAR-01-2004 MON 03:51 PM

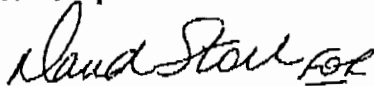
FAX NO.

P. 07

IT Group
A Member of The IT Group

Please do not hesitate to contact me at (518)783-1996 or Joe MacArthur of SMC at (302)886-4257 should you have any questions or comments regarding this work scope.

Sincerely,
IT Group



Michael P. Sykes, P.E.
Project Manager

RECEIVED

cc:

Dave Stoll, IT Corporation

JUN 18 1999

Environmental Services
& Operations

FILE: CC: TO:

FAX COVER SHEET

STAUFFER MANAGEMENT COMPANY LLC
DCC II
1800 Concord Pike
P.O. Box 15437
Wilmington, DE 19850-5437
Fax: 302-886-5933

TOTAL PAGES: 7

DATE: 3-1-04

TO: JOC BURKE

COMPANY: SPEC

FAX NO.:

FROM: LEE E.

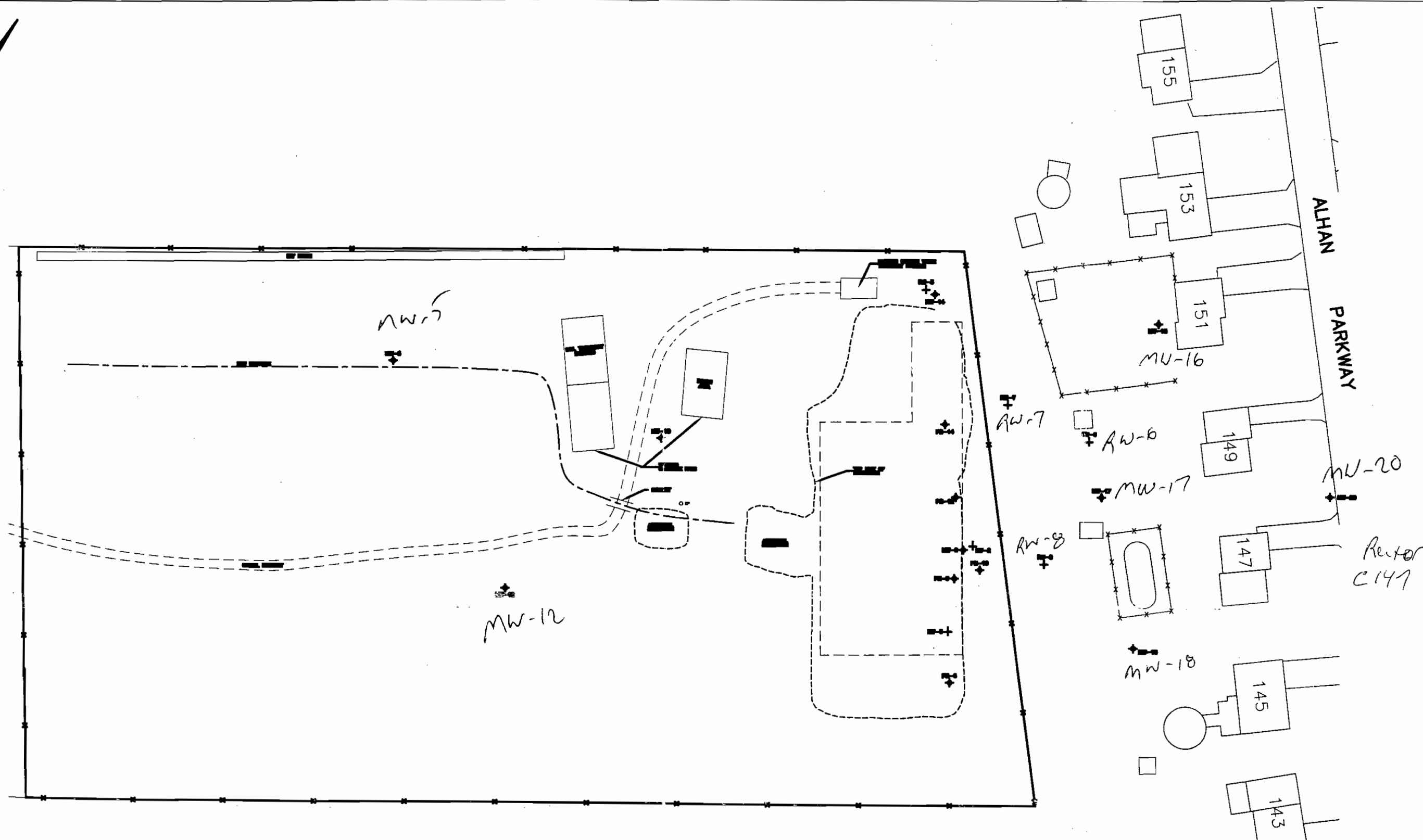
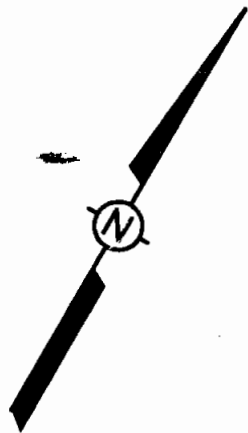
FAX NO.:

PHONE NO.:

MESSAGE:

MAESTRO SAMPLING 1999
INFO

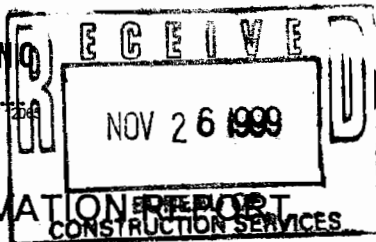
THE INFORMATION CONTAINED IN THIS FAX MESSAGE IS INTENDED FOR THE PERSONAL AND CONFIDENTIAL USE OF THE DESIGNATED RECIPIENTS NAMED ABOVE. This message may be an attorney-client communication and, as such, is privileged and confidential. If the reader of this message is not the intended recipient or an agent responsible for delivering it to the intended recipient, you are hereby notified that you have received this document in error, and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us by mail. Thank you.



SCALE
0 30 60 90 FEET

STAUFFER
MANAGEMENT COMPANY
BASE MAP PROVIDED BY IT CORPORATION

FIGURE 2A
CONTOUR MAP OF
GROUNDWATER ELEVATIONS
MAESTRI SITE
201 STATE ROAD BLDG
GEDDES, NEW YORK



Report No. 1
Page No. 1 of 1
Date 9/28/99

Weather	Temperature
Sunny	High <u>70.5</u>
Warm	Low <u> </u>

SITE OBSERVATION REPORT

Project SME Macetti Site Geodes, NY Project No. 99-0504

Location Geodes, NY

- (1) Arrived on site @ 9:30 AM
Driller & Helper on site from Perrett well
- (2) Began Overdrilling RW-2 which was composed of a 6" SS well. Over drill used 12" OD augers w/ ~ 8" ID. An HDPE liner was placed in trench to collect spoils.
- (3) The well was overdrilled & the augers were rotated to bring up adjacent soils & well filter pack. The soils brought up were screened w/ a PID meter. A minor (2.3 ppm) PID hit was measured in the well filter pack material @ ~ 19' below ground surface.
- (4) The removed well was power washed inside & out to remove black tar type substance. The power washing occurred on the site Decan Pad.
- (5) The cleaned well was reinstalled w/ a new sand filter pack. The upper 7'-8' of the well was sealed w/ Bentonite.
- (6) The as-built well condition is shown on the attached Figure 1
- (7) See Photos for project work. All equipment was decontaminated (Augers, etc) on the site Decan Pad.
- (8) RW-5 was overdrilled on 9/29 w/ similar results. SPEC personnel were not present for this work.

The above comment were made by: MM RM

Photographs 1-15 See attached. Time charged to project (Hrs)

COMP. BY J. Burke

SPEC CONSULTING

Sheet 1 of 7

Check BY: _____

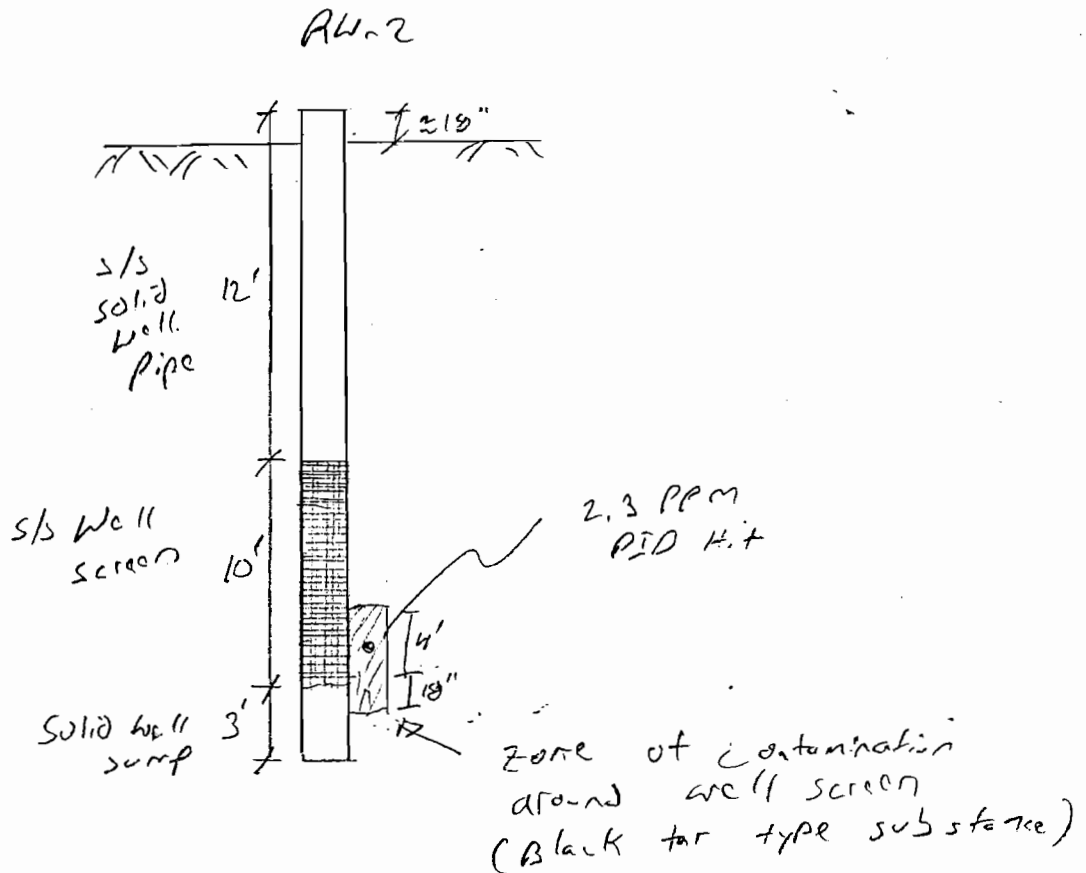
Professional Consulting Engineering Services

Date: 9/28/99

Project Name & Location SMC Macchi Site Gutter NY

Project#: 99-

SUBJECT: AW-2 Well Overdrill Detail



COMP. BY J. Burke

SPEC CONSULTING

Sheet 2 of 9

Check BY: _____

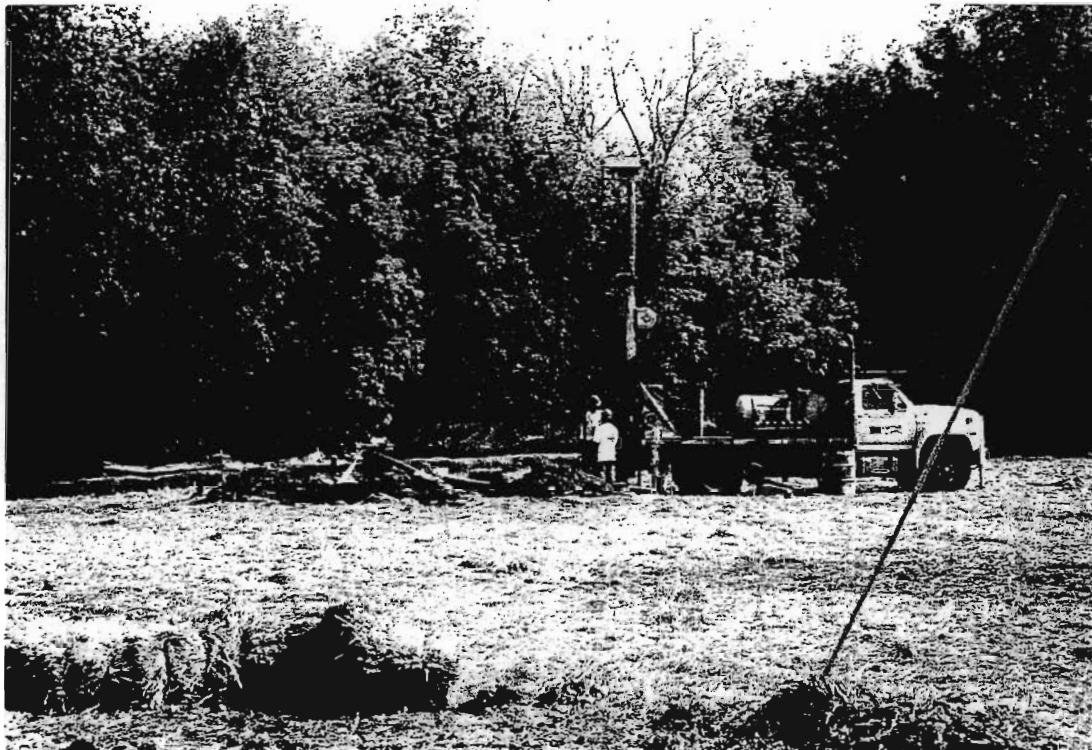
Professional Consulting Engineering Services

Date: 4/28/99

Project Name & Location Sm Maestri Site Geddes NY

Project#: 99-059

SUBJECT: KU-2 Overdilling Photos



COMP. BY J. Burke

SPEC CONSULTING

Sheet 3 of 9

Check BY: _____

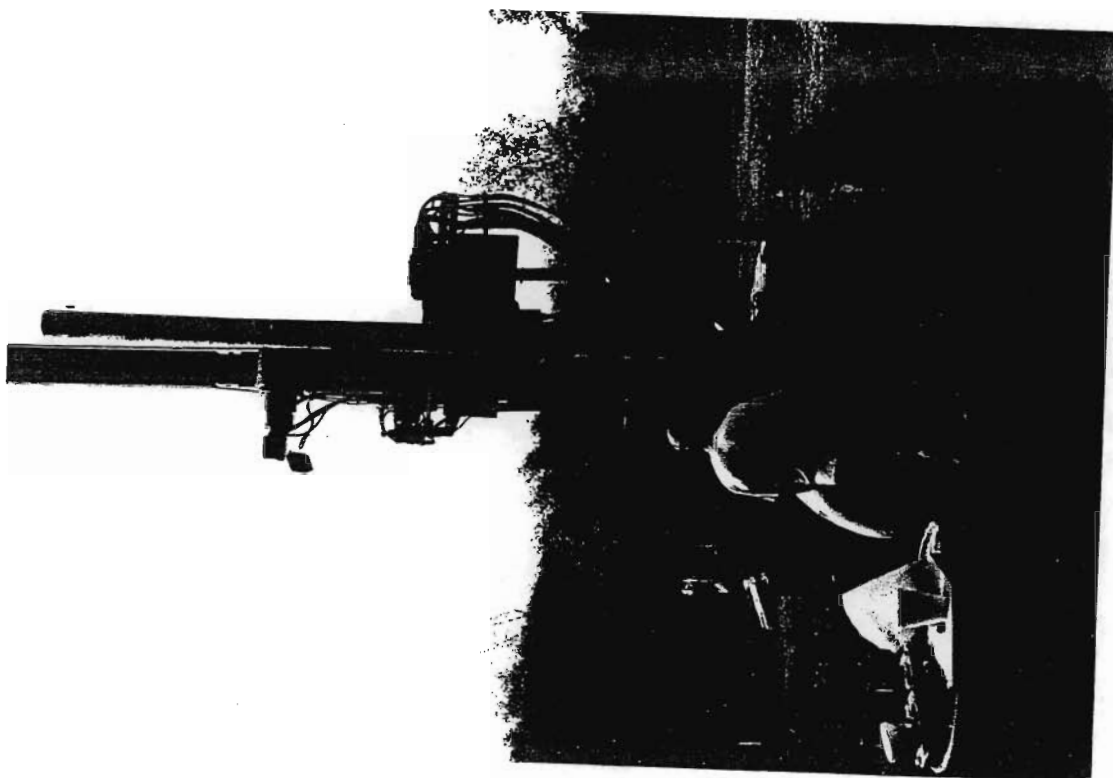
Professional Consulting Engineering Services

Date: 9/28/99

Project Name & Location Some Maestri Site Geddes NY

Project#: 99-059

SUBJECT: HV-2 Overdulling Photos



COMP. BY J. Burke

SPEC CONSULTING

Sheet 4 of 9

Check BY: _____

Professional Consulting Engineering Services

Date: 9/28/99

Project Name & Location Smc Maestri Site Geddes NY

Project#: 99-059

SUBJECT: HV-2 Overdulling Photos



COMP. BY J. Burke

SPEC CONSULTING

Sheet 5 of 9

Check BY: _____

Professional Consulting Engineering Services

Date: 4/28/99

Project Name & Location Some Maestri Site Geddes NY

Project#: 99-059

SUBJECT: HV-2 Overdulling Photos



COMP. BY J. Burke

SPEC CONSULTIN

Sheet 6 of 9

Check BY: _____

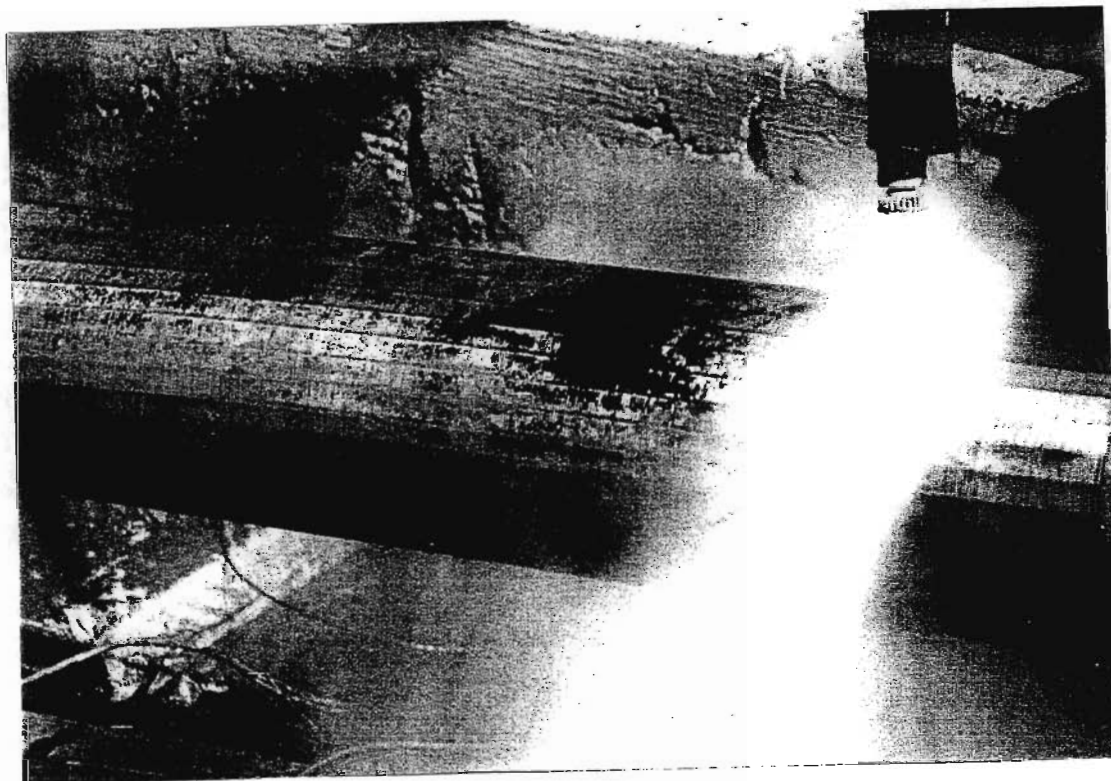
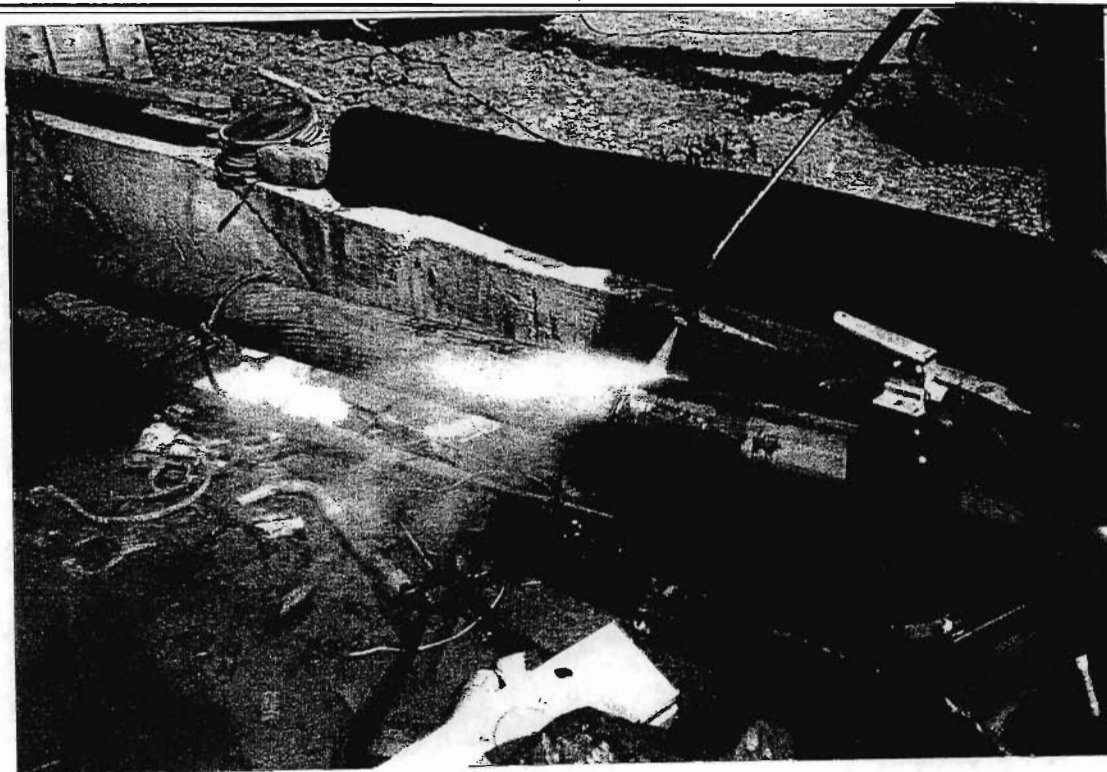
Professional Consulting Engineering Services

Date: 9/28/99

Project Name & Location Some Maestri Site Geddes NY

Project#: 99-059

SUBJECT: KV-2 Overdulling, Photos



COMP. BY J. Burke

SPEC CONSULTING

Sheet 7 of 9

Check BY: _____

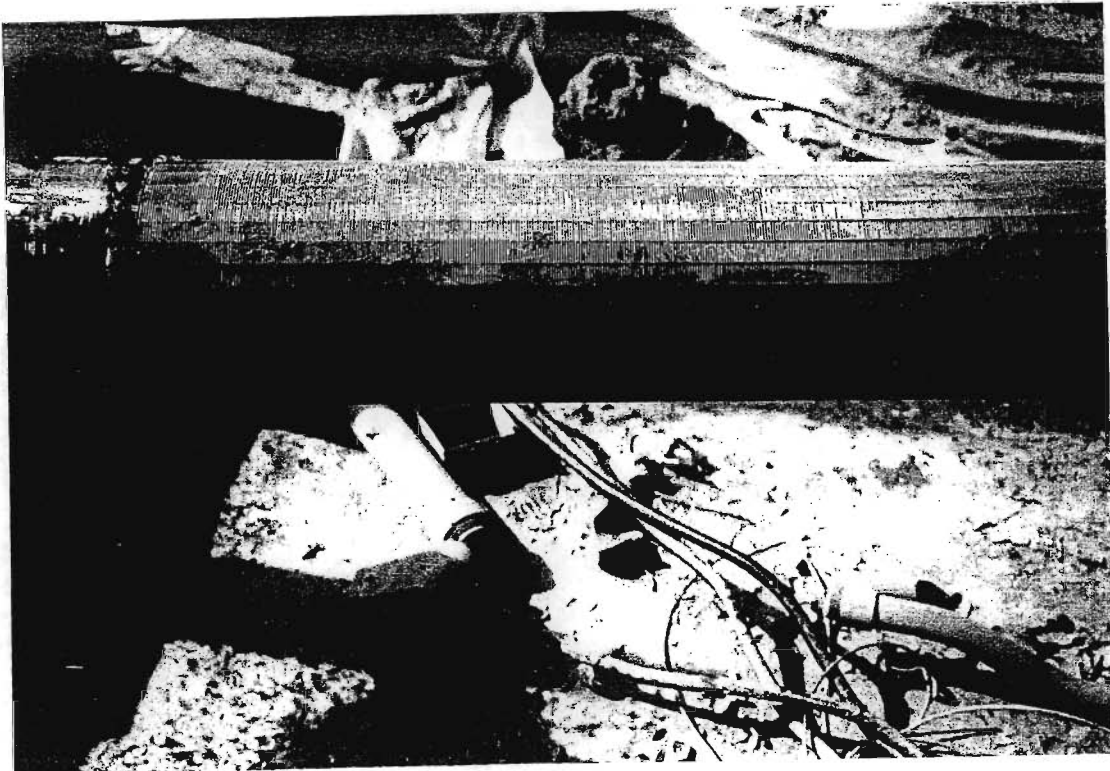
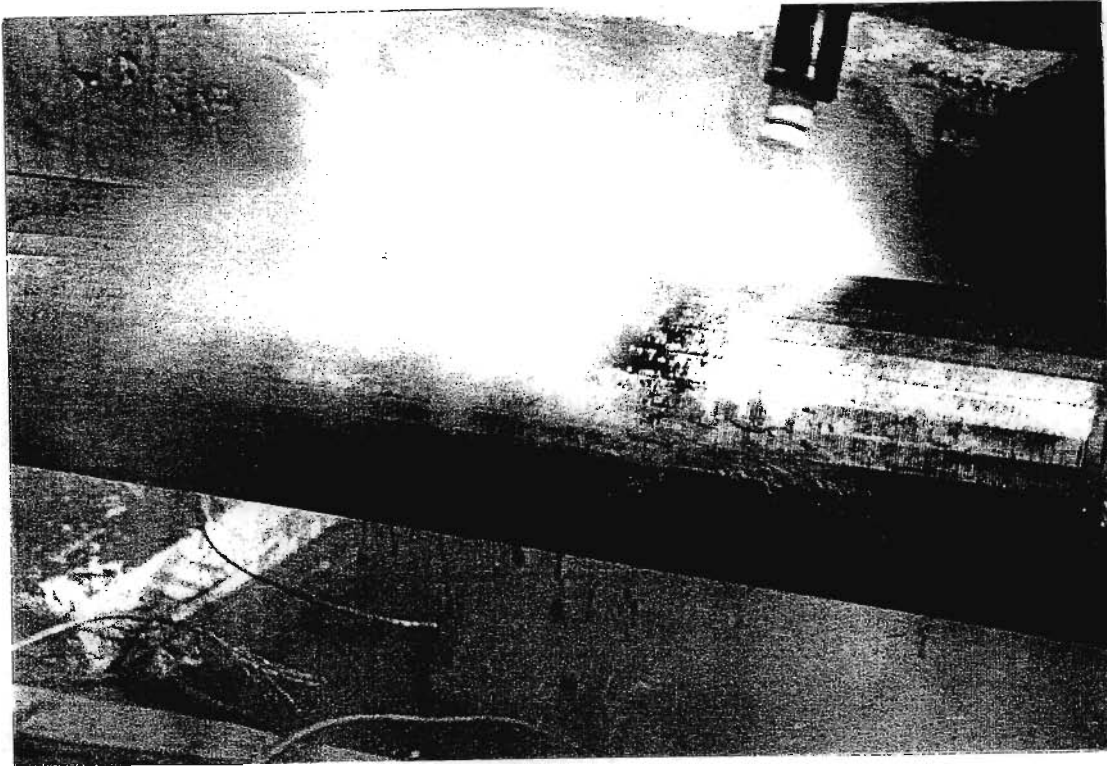
Professional Consulting Engineering Services

Date: 9/28/99

Project Name & Location Sm Mastr: S.H Geddes NY

Project#: 99-059

SUBJECT: HV-2 Overdulling Photos



COMP. BY J. Burke

SPEC CONSULTING

Sheet 0 of 9

Check BY: _____

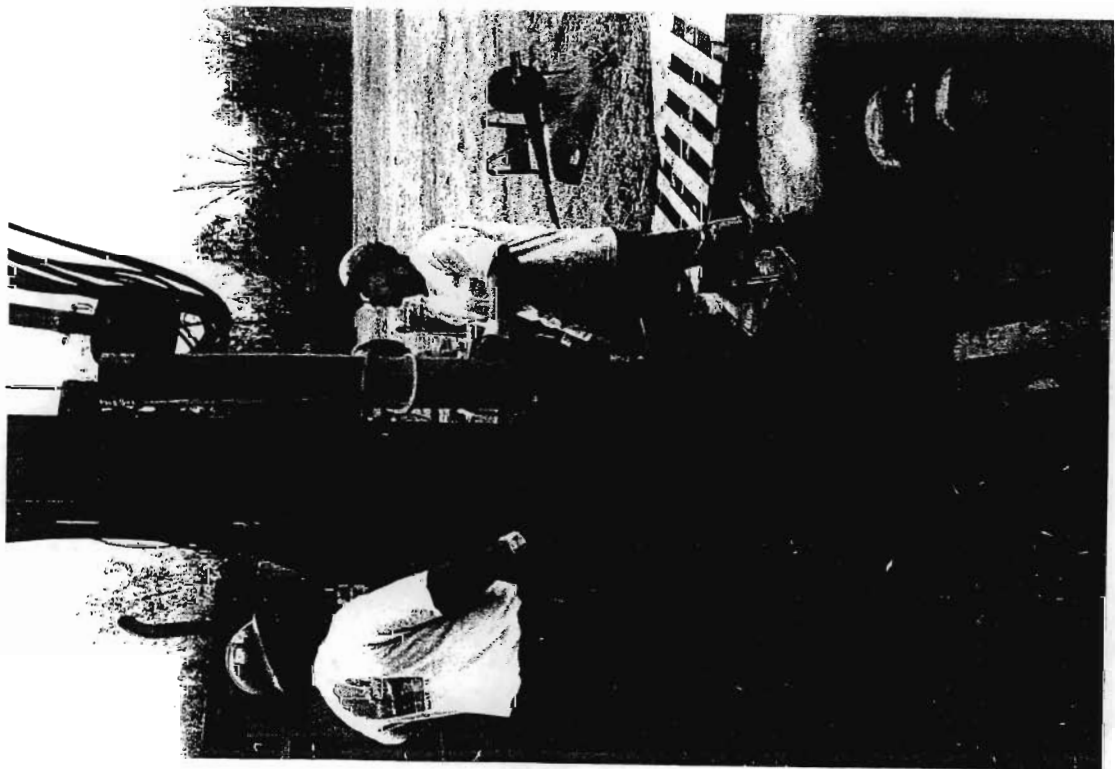
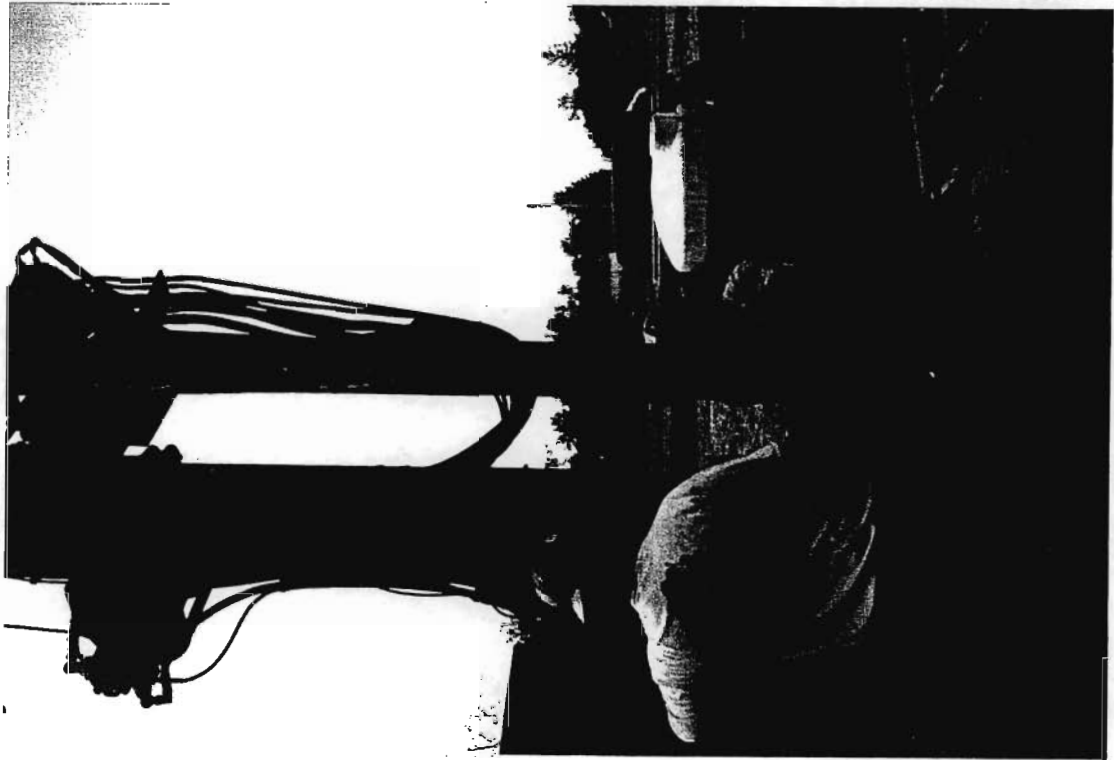
Professional Consulting Engineering Services

Date: 4/28/99

Project Name & Location Smc Maestri Site Geddes NY

Project#: 99-059

SUBJECT: RV-2 Overdulling, Photos



COMP. BY J. Burke

SPEC CONSULTING

Sheet 9 of 9

Check BY: _____

Professional Consulting Engineering Services

Date: 4/28/99

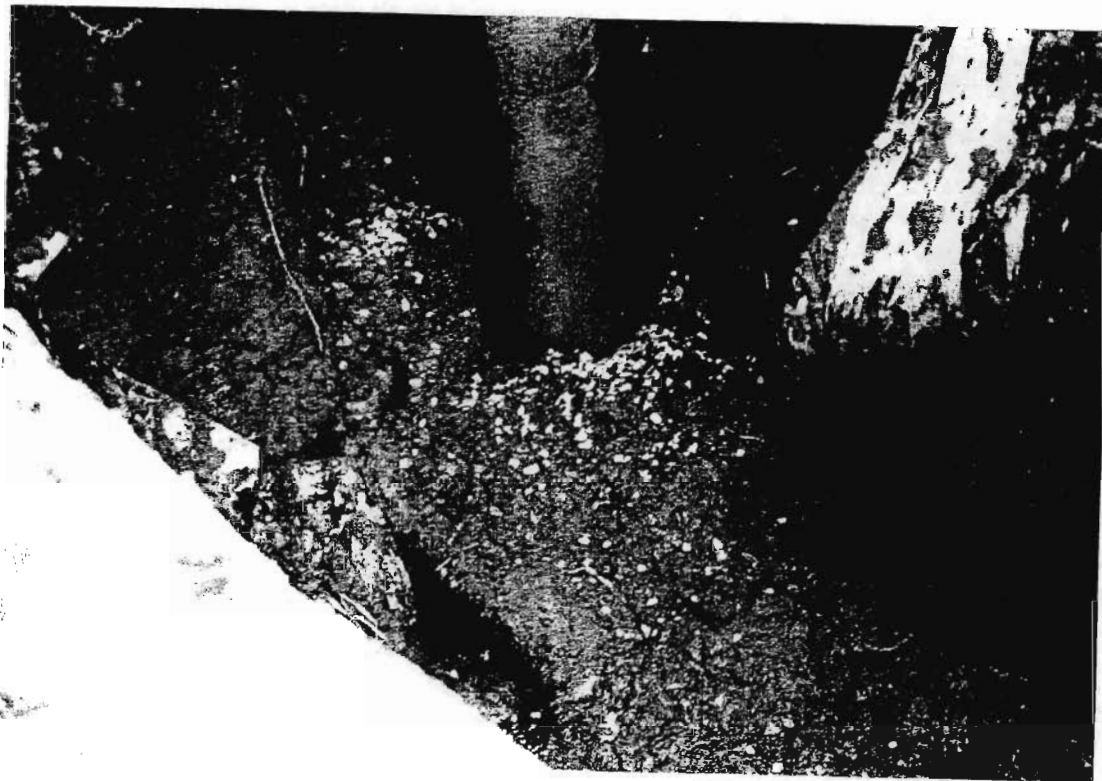
Project Name & Location

Sme Maestri S.R. Geddes NY

Project#: 99-059

SUBJECT:

KV-2 Overduin, Photos



From: John May
To: NYSDEC0.Remediat.djchiusa
Date: 2/3/99 1:41pm
Subject: Maestri

The snow is melting slowly at the Maestri Site. I observed no problems with silt run off today.

Everet was working on the warm air return lines to "bio-pile" # 5. They had some breaks due to water accumulation and freezing. Air was being drawn from both pile 3 and 5 but the warm air return was only working on 3.

The cover for pile 3 has not yet been repaired. SMC has not yet made provisions for heavy run off.

From: John May
To: NYSDEC0.Remediat.djchiusa
Date: 2/12/99 9:19am
Subject: Maestri

On the afternoon of 2/11 I visited the Maestri Site. I was concerned that the mild weather might cause some run off problems. The front gate was locked and it appeared no one was on site. I drove to the back and walked between 151 & 153 Alhan Parkway to the fence line. I observed no silt flowing off site today but there was sediment in the grass lined drainage channel behind the houses. The owner of 153, Mrs. Cook, told me that she and her husband had complained about the silt run off to the Stauffer site representative, Everet Rice. He had responded by cleaning up the soil in the channel and adding more hay bails to the fence line. While I commend this action I think a more proactive approach to silt control should be pursued.

I also noticed that the recovering of the biopile number 3 has not been completed. Not only does this reduce the effectiveness of the bio remediation but it allows for spreading of untreated soil over the completed area by rain or snow melt.

From: Goddard Chris CM <Chris.Goddard@agna.zeneca.com>
To: "'Chiusano, David'" <djchiusa@gw.dec.state.ny.us>, ...
Date: 2/16/99 4:10pm
Subject: Maestri meeting

This is to confirm our meeting at the site on March 4 beginning at 11 AM. David is to contact the town, any interested neighbors (Mr. Craner?) and Kelly Ormsby to take part in the discussions regarding recent complaints by the neighbors about runoff. We will also discuss the plans and timetable for completing the project. A general site tour will be conducted so that everyone may see the status of the site and discuss any issues.

In the meantime, Everitt will contact John Abraham to ask that he place haybales as shown on his sketch faxed out today. This will provide some temporary relief from runoff and allow us to reach a conclusion on a permanent solution for this.

Please let me know if there are any conflicts or other issues that should be addressed at the meeting.

Chris
Chris Goddard
Engineering Risk Manager

CC: "'Rice, Everitt'" <Rlsmc@aol.com>, Mette Luke LW <...

From: <R1smc@aol.com>
To: NYSDEC0.Remediat(djchiusa)
Date: 2/16/99 8:46am
Subject: Re: Maestri -Forwarded

David & chris:

I spoke with John this weekend and he informed me that he had been able to recover

bio-pile # 3 on 2/12/99. As for the run-off control all I can suggest at this point is that

we install more hay bales at the site next to water treatment bldg.

Will contact John and see what he can do.

However with the excavation being filled back with soils meeting R.A.O. standards

there is little room for run-off to go anywhere but that back corner where it has always

gone. I believe that when the site is restored to it's original grades and seeded this

problem will no longer exist. Untill such time we install more hay bales and continue to clean up Mr. Craners yard with appoligies.

Regretfu

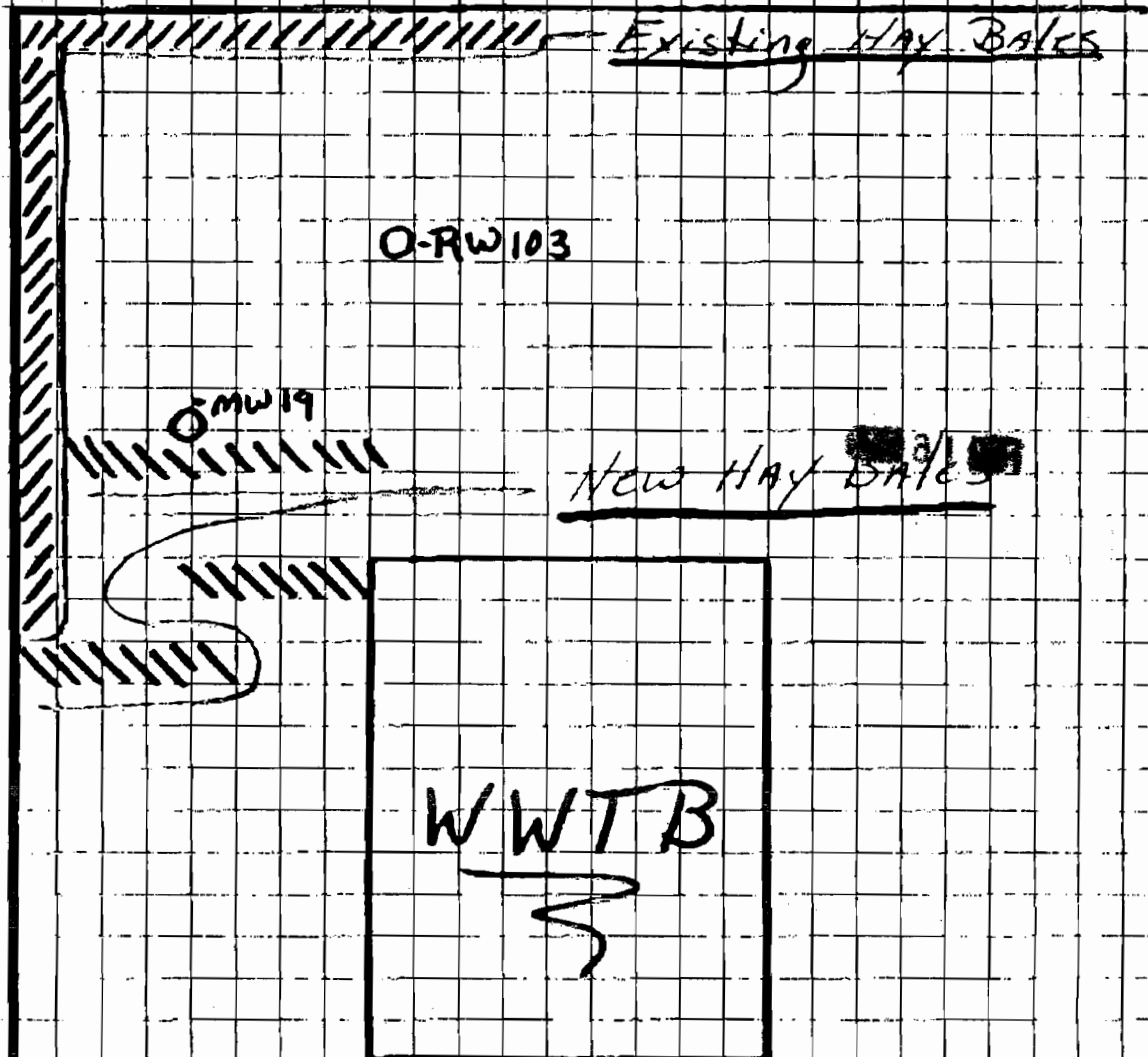
lly

Everett/smc

CC: CO_NW.SMTP_NLM("chris.goddard@agna.zeneca.com")

**STAUFFER
MANAGEMENT
COMPANY**

BY E. Rice DATE 2/16/99 SHEET 1 OF 1
SUBJECT MACstri



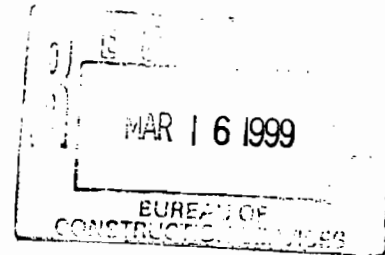
INSTALL 3 Rows Staggered
HAY-STRAW Bales to Reduce
Run-off flow & silting.

Post-It™ brand fax transmittal memo 7671 # of pages 1	
To <u>DAVE CHIVERS</u>	From <u>Everett L Rice</u>
Co. <u>D.T.C.</u>	Co. <u>Stauffer</u>
Dept.	Phone # <u>609-655-0404</u>
Fax # <u>518-457-7743</u>	Fax # <u>609-655-5266</u>

Stauffer Management Company

Memo

Date: 3/16/99
 To: David Chiusano
 CC: Chris Goddard
 From: Everett Rice
 Subject: Maestri-site Run-off
 David:



Sending you brief description of activities to be performed by Abscope Environmental concerning run-off issue at site as discussed at the meeting on Thursday March 4th 1999. Abscope personnel will be installing a 20ft x 60ft x 2ft deep catch basin to be filled with 3 to 4 inch clean stone as described by Al Christiansen. See attached drawing for location, drawing not to scale and measurements are approximent. Work shall begin on Thursday, March 18th 1999.

Thank you again for your input and concerns.

ELR

Everett L. Rice / SMC

Post-it* Fax Note	7671	Date	3/16	# of pages	2
To	JOHN may	From	D. CHIUSANO		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #	(315) 426-7402	Fax #			

3/16/99

Confidential

1

From: John May
To: NYSDEC0.Remediat.djchiusa
Date: 3/26/99 3:26pm
Subject: Maestri Site

I made an inspection of the Maestri Site today, 3/26/99. The mild dry weather has caused the snow to melt slowly and has not resulted in a rapid run off. I found no silt problems on site today.

Little work has been completed to address the problems I pointed out last week. No silt fence has been installed at the gate in the East fence, the drainage has not been changed to direct the flow to the new silt trap. Jack Romagnoli from ABSCOPE was on site to check on the silt basin constructed by his crew. John Abraham of Stauffer was on site to perform maintenance on the water treatment system.

I talked to Everet Rice by phone. He told me additional silt fence will be installed along the East fence line and some measures may be taken to trap some silt on the site before it gets to the trap. They are also thinking about bringing some water storage tanks from Skan. Falls to the site to pump water from the ponds during storms for treatment at a later time. Should we receive a formal submittal for this?

I'll stop by again next week to see what progress has been made.

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

☒ Made Call
☐ Received Call
☐ Returned Call

Project: Maestri-site
 Date: 03/26/99
 Time: 1130 hrs

CONVERSATION LOG

Name: Everett L. Rice	Company: SMC	
Address: 904 State Fair Blvd.		
Telephone: (315)- 488 - 8059	FAX: () - none	Other #: (315)- 440 -8446
Project: Maestri-Site		
RE: silt fence		
Called John May approx. 1130 hrs on march 26, 1999 in regards to site visit of same mourning		
John May was not in then, left message for him to call me back.		
Approx. 1330 hrs John returned my call and we discussed his concerns with site run-off issue in regards to additional silt fence. John felt that additional silt fence at intervals from the entrance toward back of Site along bio-pile # 3 would help along with the stone basin that has all ready been installed.		
He also suggested that we place some fence around soil pile that was generated from the 20x60x2ft deep Stone basin. I told John that these additional fences would not be a problem and that we wanted to make every effort to control the run-off issue and to work with the N.Y.S.D.F.C and the Community.		
Thank-you again for your concerns and your input. If there are any further questions please feel free to contact me.		

Post-it® Fax Note	7671	Date	3/30/99	# of pages	1
To	JOHN MAY	From	DAVID CHUSANO		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #	(315) 426-7402	Fax #			

ACTION ITEMS REQUIRED:

- # 1 - Install additional silt-fence at 50 ft. Intervals along Bio-Pile # 3.
- # 2 - also place silt-fence around soil pile generated by 20x60x2 ft. Deep stone basin.
- # 3 - Finish installing silt fence along back fence specifically back entrance.

MAR 29 1999

The Above Comments Were Made by:

Everett L. Rice
 (Signature)

Stauffer Mgt. Co.

FAX

Date

4/1/99Number of pages including cover sheet 2

Post-It™ brand fax transmittal memo 7671 # of pages >	
To <u>David Chiusano</u>	From <u>Everett L Rice</u>
Co. <u>DEC</u>	Co. <u>STAUFFER</u>
Dept.	Phone # <u>609-655-0404</u>
Fax # <u>518-452-7713</u>	Fax # <u>609-655-5266</u>
<u>RISMC@aol.com</u>	

From:

Everett L Rice

Post-It™ brand fax transmittal memo 7671 # of pages >	
To <u>Chris Goddard</u>	From <u>Everett Rice</u>
Co. <u>Zeneca</u>	Co. <u>Stauffer</u>
Dept.	Phone # <u>609-655-0404</u>
Fax # <u>302-886-4440</u>	Fax # <u>609-655-5266</u>

Phone

609-655-0404

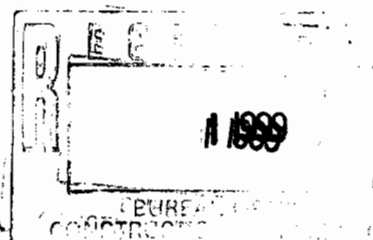
Fax Phone

609-655-5266

REMARKS:

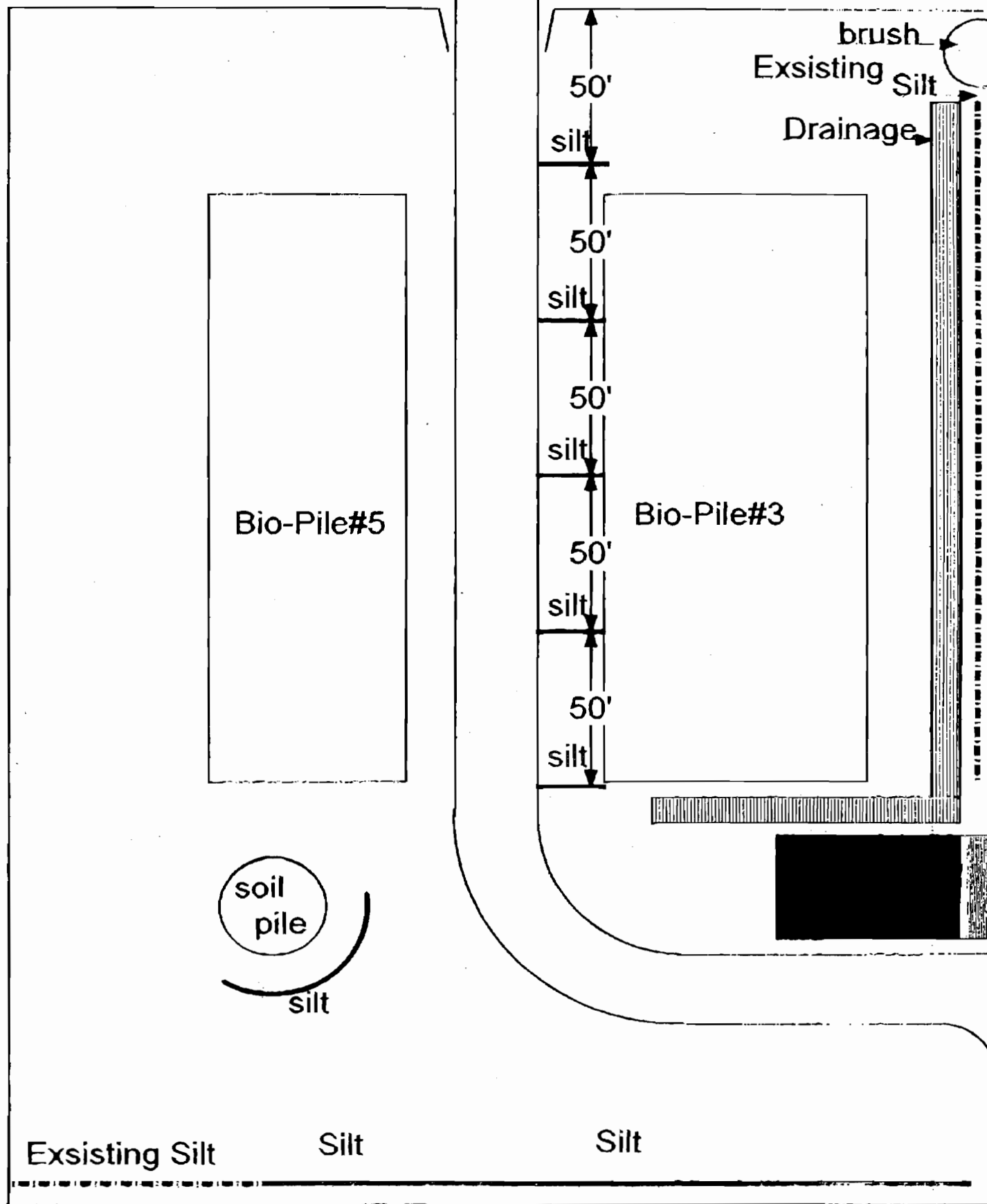
☐ Urgent☒ For your review☐ Reply ASAP☐ Please comment

David: This is just preliminary Drawing.
 on additional silt fence Installation.
 will be at site 4/3/99 to Install,
 will forward more detailed drawing next week
 of work performed. If you have any other
 concerns please call me at above Phone or Fax
 Before 3pm Friday. Thank-you

Everett L Rice

Maestri-Site

Entrance Si Fence Additions



From: David Chiusano
To: "Chris.Goddard@AGNA.ZENECA.com".SMTP_NLM.CO_NW
Subject: RE: Davids Questions

Chris/Joe/Everitt, just received a call from G.Kline. He received a call from Mr Craner who is complaining about receiving water in his backyard over weekend. Please check out ! I put a call into John May also. Get back to me with an update, thanks.

>>> Goddard Chris CM <Chris.Goddard@AGNA.ZENECA.com> 07/24/99 04:19PM >>>
Everitt,

Approach is ok by me. Joe will contact Spec to start the grading plan process. I will assist in getting this done. hWe should double check the soils to be sure we can grow grass. We should not undertake this until later so that the summer will not dry everything up or require us to continually water the soils. Let's keep things moving along as best we can. Cover when rain is predicted, but if we don't get it covered be sure we collect the runoff and the soils are rotated so they dry out.

I am on the go next week so leave me voice mails with any questions.

David - Not sure if can make it up on Thursday now. I have got alot to do after my visit to Canada. I will let you know by Tuesday how it looks.

Chris Goddard
Engineering Risk Mgr.
AstraZeneca Engineering

> -----

> **From:** R1smc@aol.com[SMTP:R1smc@aol.com]
> **Sent:** Friday, July 23, 1999 10:50 AM
> **To:** Goddard Chris CM
> **Cc:** MacArthur Joe JA
> **Subject:** Davids Questions

>

> Chris & Joe:

> As you know I took samples on 7/20/99 of Bio-pile # 5 - cells 1,2,3,4 and
> Bio-pile # 3 - cells 9,10. The western most half of # 5 was .33 & .27
> respectively, David gave
> approval to remove these soils to excavation. The Eastern half was 1.8 &
> 2.3
> we spread that material out over entire drainage layer to continue drying.
> Bio-pile # 3 cells 9 & 10 were 2.8 & 6.6 those will remain at western most
>
> end of Bio-pile # 3 to continue drying. samples to be taken next week
> again.
>
> 1- spec to develop final grading plan.
>
> 2- Grading around filled area is such that run-off will be directed to
> either
> Al Christiansen sediment basin or to the south-eastern corner of site.
> Both
> having adequate sediment & erosion control. There will be no problems.
> Also area west of Bio-pile # 5 was regraded this week to promote a

- > more
- > sheeting effect than rushing river down south side of driveway. This also
- > gave us approx. 150 yds soil to fill with. See update 7/20/99 (I know -
- > you
- > don't have it yet)
- >
- > 3- It is my belief that the grass will grow once its put down & mulched.
- > However we could send a sample of soil to cooperative extension for
- > evaluation.
- >
- > 4- Seeding & mulching should take place after final grading is completed.
- > I don't want to seed then find out I need to strip places or build them
- > up.
- > Spec needs to get this as soon as possible.
- >
- > 5- bio-piles will be covered if rain is anticipated.
- >
- >

From: <R1smc@aol.com>
To: CO_NW.SMTP_NLM("Chris.Goddard@agna.zeneca.com")
Date: 7/27/99 7:57AM
Subject: Mr. Craner

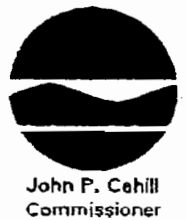
Chris, David:

I can't understand how he received run-off water over weekend.
When I arrived on site monday morning everything here is as dry as desert.
No puddles, no signs off fast flowing water, Bio-piles dryer than they have
ever been.
Everyone I've talked to in this area has said that if they had gotten any
rain this weekend it was about 10 drops. However I'm not saying Mr craner has
an Imagination. I will get with him today and hear him out and check out his
yard.
Will let you both know what he says and how his yard looks.

SMC
Everett

CC: NYSDEC0.Remediat(djchiusa)

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 7
615 Erie Boulevard West, Syracuse, New York 13204-2400
Phone: (315) 426-7551 FAX: (315) 426-7499



September 9, 1999

Mr. Peter Albrigo
Code Enforcement Officer
Town of Geddes
100 Woods Road
Solvay, N.Y. 13209

Dear Mr. Albrigo:

Over the last few weeks I have observed an increasing amount of fill being delivered to the front of 904 State Fair Blvd., the Ormsby property. It appears that this material is being sloped to drain toward the back-center of the site. As of the date of my last visit, 9/7/99, no measures had been taken to reduce possible erosion or silt run off. My concern is that storm water run off has been directed to the back portion of the property occupied by Stauffer Management Company (SMC). This area is a listed hazardous waste site that has undergone extensive remediation and is currently being regraded and having the vegetative cover restored.

In the past SMC has had problems dealing with the run off from its own operation. The neighbors on Alhan Parkway have experienced silt deposition in their backyards. With the run off from the fresh fill being directed on to the SMC site, it will make their task even more difficult and could cause additional damage to the neighboring properties. As part of my duties, I will check on SMC's progress and point out areas that I feel need addressing to control the storm water generated on their site. I can't, however, in good conscience ask them to solve a problem caused by Mr. Ormsby's development.

Please contact me if I can help resolve this situation or if you have a question about SMC's progress.

Sincerely,


John A. May
Sanitary Construction Inspector

cc: David Chuisano - NYSDEC
Joe MacArthur - Stauffer Management Company

Appendix J
Environmental Structure Catalogue

TFS
SERIES

To: Wayne Fay

(518) 438-8527



The TFS Series of structures is Universal's elite aluminum frame product line — designed primarily for use in extreme climates as well as most semi-permanent applications.

Universal Fabric Structures, Inc. is proud to present the TFS System, our premier aluminum frame design of pre-engineered fabric structures.

Having proved its viability under the most severe conditions, the TFS Series has been designed and engineered using the principle of the peaked arch profile.

To improve on this existing frame technology, the TFS Series incorporates a unique aluminum truss style extrusion utilized in

conjunction with a curved wall design. This combination provides the TFS beam with more strength than standard box extrusions or I-beams. Additionally, the use of aluminum provides a lifetime of aesthetically pleasing, maintenance free framework.

The structure's membrane is tensioned in both horizontal and vertical directions to create a clean, tau finish, and the inner fabric channel readily accepts liners and insulation packages.

The TFS Series comes in standard widths of 40', 60', 70', 92', 96', 118', 132' and 164'. Custom widths are available on

request. Snow and wind design loads meet code requirements.



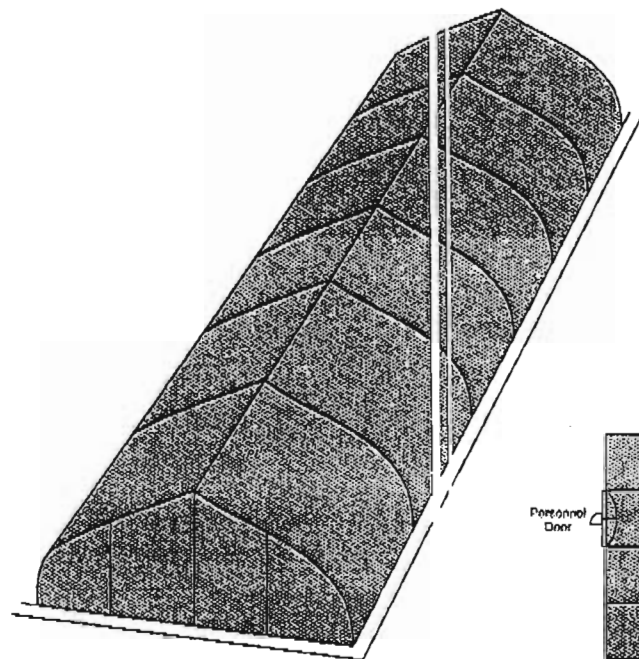
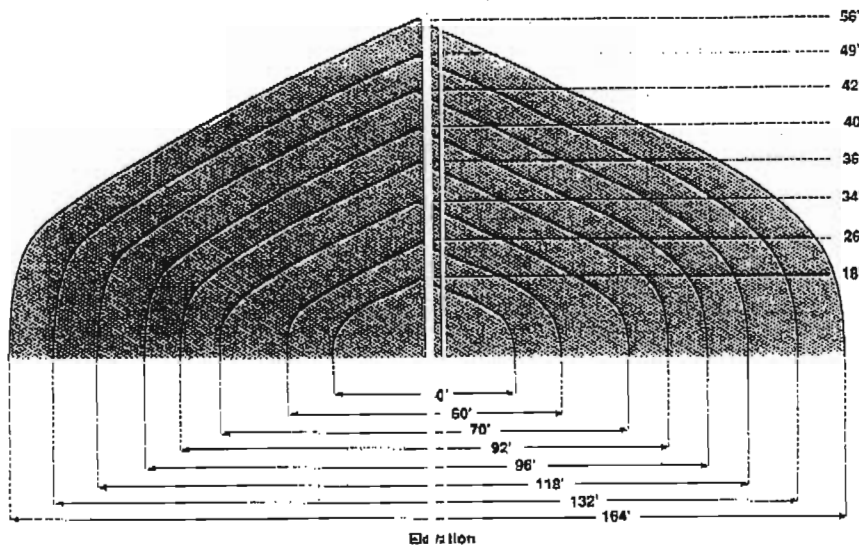
The TFS Series is quickly erected and dismantled, and can meet any temporary or permanent shelter need.

The superior design of the TFS lends itself to a multitude of uses, ranging from military and hazardous waste to exhibition and recreational applications. For quality, value and strength, the TFS meets every need.

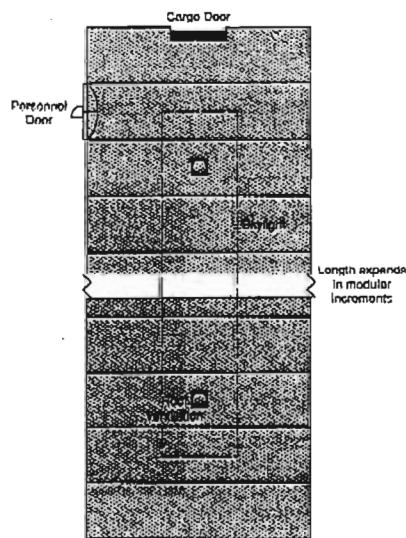


UNIVERSAL
FABRIC STRUCTURES

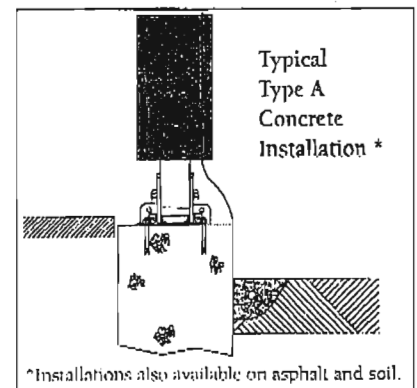
TFS SERIES



Isometric View



- Rent or purchase...worldwide!
- Width — 40'-164'
- Length — Indefinite (13' or 16' modules)
- Height — Approximately 45% of width
- 100% relocatable
- Unobstructed freespanspace
- Flat or round ends
- Standard wind load up to 120mph
- Standard snow load up to 35"psf (GSL)
- No footings required for short term installations
- Installation rate 5,000 square feet per day; faster if required.
- Aluminum frame
- 12-15 year fabric life or longer based on climatic conditions
- Thermal insulation liners available.
- Flame retardant
- Maintenance free
- Can be environmentally controlled in any climate
- Available from inventory
- 8,500 square feet in a single container
- Standard ten year warranty; optional extended warranties available



TFS SERIES STRUCTURAL DIMENSIONS								
Peak Height	18'	26'	34'	36'	40'	42'	48'	56'
Width	40'	60'	70'	92'	96'	118'	132'	164'
Length	Create the overall length you need in 13' or 16' modular increments.							

Universal reserves the right to change specifications without notice.

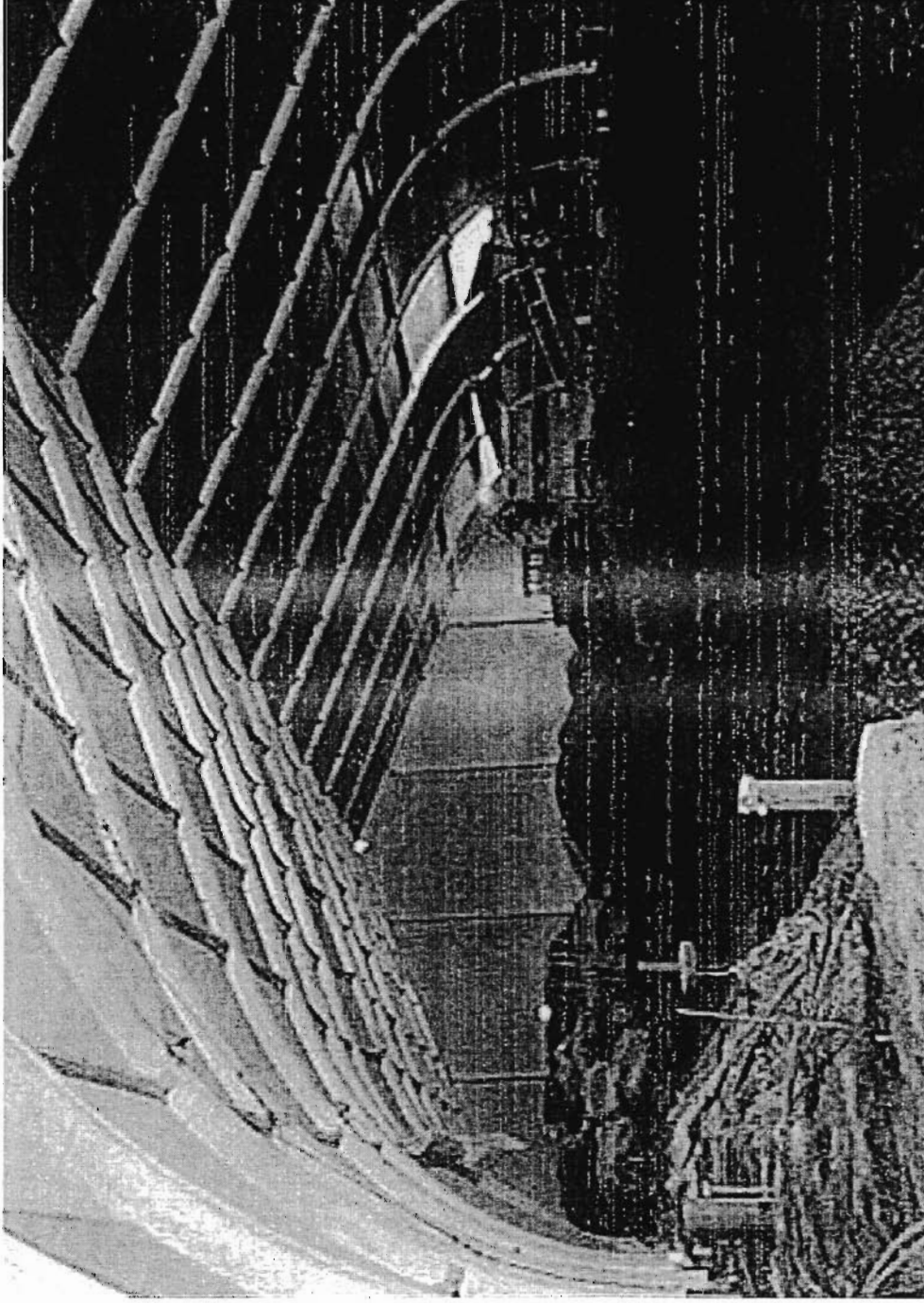
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Outside the Continental U.S.
(215) 529-9921

www.ufsinc.com



Appendix K
Soil Conditioning Specification/MSDS



**VIL
VERMICULITE**
A DIVISION OF NORMISKA CORPORATION

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT INFORMATION

PRODUCT CODE: V-001

PRODUCT NAME	: MICAFIL® VERMICULITE : HOLIDAY® VERMICULITE : ENVIROFIL® VERMICULITE : ENVI-GREEN® VERMICULITE : PEATLITE VERMICULITE
MANUFACTURER	: VIL VERMICULITE, A DIVISION OF NORMISKA CORPORATION 1775 - 52 nd Ave. LACHINE, QC H8T 2Y1
	EMERGENCY PHONE NO. (514) 631-4251
PRIMARY COMPONENTS	: Palabora vermiculite is composed of a group of hydrated laminar minerals which are aluminum-iron-magnesium silicates, asbestos free.

SECTION 2: INGREDIENTS (Not specification values)

Vermiculite	CAS NUMBER	LD ₅₀ oral- rat	%	TLV (UNITS) mg/m ³
(1) not available (2) as a nuisance dust	(1)	(1)	99	10 (2)

SECTION 3: PHYSICAL DATA

BOILING POINT	: not applicable	VAP DENSITY (AIR = 1)	: not applicable
VAP PRESSURE (MM HG @ 20°C)	: not applicable	SOLUBILITY IN WATER	: insoluble
SPECIFIC GRAVITY	: 2.6	% VOLATILE BY VOLUME	: not applicable
PHYSICAL STATE	: solid		
COLOUR AND ODOUR	: tan, odourless		

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°C)	: not applicable
FLAMMABLE LIMITS	: not applicable
EXTINGUISHING MEDIA	: vermiculite is incombustible
FIRE FIGHTING EQUIPMENT	: not applicable
FIRE & EXPLOSION HAZARD	: none

SECTION 5: REACTIVITY DATA

STABILITY	: stable under normal conditions
INCOMPATIBILITY	: compatible with most chemicals
DECOMPOSITION PRODUCTS	: none
POLYMERIZATION	: hazardous polymerization will not occur

SEE BACK

MATERIAL SAFETY DATA SHEET**SECTION 6: TOXICOLOGICAL PROPERTIES****PRODUCT CODE: V-001**

ORAL INGESTION	: not toxic.
EYE CONTACT	: contact with dust may cause mild irritation.
SKIN CONTACT	: non-irritating.
SKIN ABSORPTION	: does not occur.
INHALATION	: could be treated as a nuisance dust; TLV 10 mg/m ³ .
OVEREXPOSURE EFFECT	: no specific effects from overexposure.

SECTION 7: FIRST AID MEASURES

EYE CONTACT	: flush with flowing water for 15 minutes.
-------------	--

SECTION 8: PREVENTIVE MEASURES

VENTILATION	: general ventilation recommended.
RESPIRATORY PROTECTION	: nuisance dust, respirator if nuisance dust TLV exceeded.
SPILL PROCEDURES	: sweep-up.
DISPOSAL METHOD	: dispose in a landfill site in accordance with provincial law.

SECTION 9: SPECIAL PRECAUTIONS OR OTHER COMMENTS

WHMIS CLASSIFICATION	: not controlled.
T D G SHIPPING NAME	: non hazardous.

SECTION 10: PREPARATION INFORMATION

DATE: May 31, 1999

**VIL
VERMICULITE**

A DIVISION OF NORMISKA CORPORATION

1775 - 52nd Avenue
Lachine, Québec
H8T 2Y1

Réjean Mercier

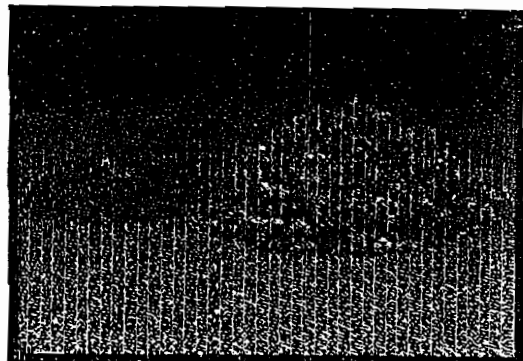
Tel : (514) 631-4251

Fax: (514) 631-4254

SHEET NO.

V-001

The information herein is given in good faith but no warranty, express or implied, is made.



Vermiculite is the mineralogical name given to hydrated laminar magnesium-aluminum-iron-silicate which resembles mica in appearance. When subjected to heat, it has the unusual property of exfoliating or expanding, due to the generation of interlaminar steam. Vermiculite is found in various parts of the world. Locations of the predominant commercial mines are in North America, South America, and Africa. Other deposits in countries such as India, Japan, Kenya, Zimbabwe, China, the Soviet Union and Australia are being developed.

Vermiculite mines are surface operations where ore is separated from other minerals, and then screened or classified into several basic particle sizes. The bulk density of crude vermiculite or vermiculite concentrate is in the range of 640-1120 kg/cu m or 40-70 lb/cu ft.

EXFOLIATION OR EXPANSION

When heated quickly to an elevated temperature, particles of vermiculite exfoliate by expanding at right angles to the cleavage, into worm-like pieces (the name vermiculite is derived from the Latin *vermiculare* to breed worms). This characteristic of exfoliation, the basis for commercial use of the mineral, is the result of the mechanical separation of the layers by the rapid conversion of contained water to steam. The increase in bulk volume of commercial grades is 8 to 12 times, but individual flakes may exfoliate as many as 30 times. There is a colour change during expansion that is dependent upon the composition of the vermiculite.



**VIL
VERMICULITE**
A DIVISION OF NORMISKA CORPORATION

AGRICULTURAL

Animal feed
Pesticide
Fertilizer
Bulking agent
Seed encapsulant
Anti-caking material
Soil conditioner

HORTICULTURAL

Seed germination
Sowing composts
Seedling wedgemix
Blocking mixes
Rooting cuttings
Micro-propagation
Twin scaling bulbs
Potting mixes
Hydroponics

DISTRIBUTED BY

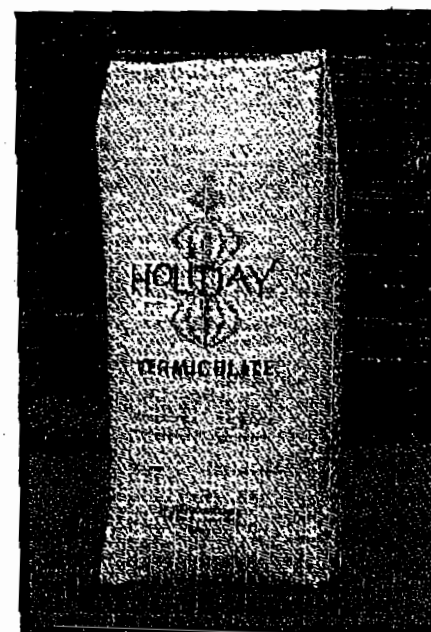
5580 Timberlea Blvd.
Mississauga, Ontario
L4W 4M6
Tel. (905) 212-9555
Fax (905) 212-9526

1775 - 52e Avenue
Lachine, Quebec
H8T 2Y1
Tel. (514) 631-4251
Fax (514) 631-4254

E-mail: vil@sympatico.ca

"HOLIDAY" VERMICULITE™

*Remember, we uniquely screen, all our
vermiculite for consistency, size & quality*



SUPERIOR HORTICULTURAL PRODUCTS



**VIL
VERMICULITE**
A DIVISION OF NORMISKA CORPORATION

**"Partners in Business"
supporting one another**

EXFOLIATED VERMICULITE PARTICLE SIZES

TYPE



Colour

Shape:

Bulk de

Moistur
@ 110°C

pH (in

Combust

Sinterin
temper:

Fusion

Cation
capacit:

Specific

Waterb
capacit:



O:

SIZE (down)	Densities		Equivalent Names/Designations	
	Kg/Cu M	Lb./Cu. Ft	System A	System B
16mm (5/8")	56-72	3.5-4.5	NA	Premium (6)
8mm (5/16")	64-85	4.0-5.0	1	Large (4)
4mm (5/32")	72-90	4.5-5.5	2	Medium (3)
2mm (0.08")	75-112	4.7-7.0	3	Fine (2)
1mm (0.04")	80-144	5.0-9.0	4	Superfine (1)
0.5mm (0.02")	90-160	5.6-10.0	5	Micron (0)

Thermal conductivity at different bulk densities

Bulk densities		Thermal conductivity values	
Kg/cu m	Lb/cu ft.	Lambda (λ) W/mK	Btu in/sq ft. h° F
56-64	3.5-4.0	0.058	0.40
80-96	5.0-6.0	0.064	0.44
160-192	10-12	0.071	0.49

Notes:

- Bulk density and water holding capacity vary with particle size.
- Exchangeable ions are Mg²⁺ and Ca²⁺, sodium acetate saturation/ammonium/acetate substitution method.

TYPICAL CHEMICAL ANALYSIS

Element	Percent by Weight
SiO ₂	38-48%
Al ₂ O ₃	10-18
MgO	16-35
CaO	1-5
K ₂ O	1-6
Fe ₂ O ₃	6-13
TiO ₂	1-3
H ₂ O	8-16
Other	0.2-1.2%
Chemical Formula	
(Mg,Ca,K,Fe ^{II}) ₃ (Si,Al,Fe ^{III}) ₄ O ₁₀ (OH) ₂ ·4H ₂ O	

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY Quicklime, CaO, Lime
Calcium oxide (all sizes including granular) (UN1910)

*Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.*

Section I

Manufacturer's Name and Address

Chemical Lime Company
3724 Hulen Street
Fort Worth, Texas 76107

Emergency Telephone Number

Chemtrec 800-424-9300

Information Phone Number

817-732-8164

Date Prepared

11/18/2004

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS	Common Name	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Calcium oxide	1305-78-8	Quicklime	5 mg/m3	2 mg/m3	5 mg/m3	>90%
Magnesium oxide	1309-48-4	Periclase	10 mg/m3	10 mg/m3	6 mg/m3	<5%
Calcium carbonate	1317-65-3	Limestone	15 mg/m3	10 mg/m3	6450 mg/kg	<3%
Silicon dioxide	14808-60-7	Quartz	*see note below	0.1 mg/m3	4 mg/m3	<2%

*SiO₂ OSHA PEL: 10 mg/m³ divided by (the percentage of silica in the dust plus 2) (respirable)

Section III - Physical/Chemical Characteristics

Boiling Point	2850 °C	Melting Point	2570 °C	Specific Gravity	1.6 - 2.8 g/cc
Vapor Pressure (mm Hg)	N.A.	Vapor Density	N.A.	Evaporation Rate	N.A.
Solubility in Water	Reactive with water to produce Ca(OH) ₂ with large amounts of heat. pH = 12.4@25°C				
Appearance and Odor	White or gray lumps or powder, odorless				

Section IV - Fire and Explosion Hazard Data

Flash Point	LEL/UEL	Flammable Limits	Extinguishing Media
N.A.	N.A.	N.A.	Not Combustible -- Use extinguishing agent for surrounding fire

Special Firefighting Procedures/Unusual Fire and Explosion Hazards

In large amounts, calcium oxide will react with water to produce heat and possibly steam.
Flood with excess water to remove heat.

Section V - Reactivity Data

Stability	Conditions to Avoid (stability - related)
Unstable	Reacts with water to form Ca(OH) ₂ and large amounts of heat. Reacts with CO ₂ to form CaCO ₃ .

Incompatibility (Materials to Avoid)

Acids: Reacts vigorously and produces heat. Maleic Anhydride: May react explosively. Nitro Organic
Compounds: May react to form explosive salts. Phosphorous: May form flammable products when heated.
Aluminum: May react in presence of water to form hydrogen gas.

Hazardous Polymerization/Hazardous Decomposition of Byproducts

Will not occur (none)

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation, Ingestion

Health Hazards (Acute and Chronic)

Mild to moderate corrosive. Avoid skin and eye contact as irritation will occur. Contact lenses should not be worn when
working with lime products. Inhalation can cause coughing, sneezing or breathing problems. Material in contact with wet
skin could cause severe irritation and/or burning.

Carcinogenicity: OSHA? SiO₂ NTP/IARC Monographs? SiO₂

Respirable crystalline silica from occupational sources is classified by IARC as a Group I Carcinogen.
California Proposition 65: Silica is on the Governor's Proposition 65 list. Components used in this product may
contain trace amounts of inherent naturally occurring elements (such as, but not limited to arsenic, cadmium)
that are on the Governor's Proposition 65 list.

Section VI - Health Hazard Data (continued)**Signs and Symptoms of Exposure**

Skin or eye irritation; coughing or breathing problems.

Medical Conditions Generally Aggravated by Exposure

Respiratory problems, asthma, dermatitis or skin or eye sensitivity.

Emergency and First Aid Procedure

Flush contaminated area with excess water. If eye contact, rinse eye with eye wash solution or excess water and seek medical attention immediately.

Section VII - Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Protect skin and eyes from contact and avoid inhalation of dust. If material is dry pick up and keep away from acids or organic materials. Place in steel drums. If wet add excess water to remove heat and place in steel drums.

Waste Disposal Method

Carefully add water in excess of 20 parts water to 1 part lime and flush to sewer. Consult local, state, or federal regulations.

Precautions to be Taken in Handling and Storage

Store in tightly closed containers and keep dry and away from acids or other incompatible substances. Do not store or ship in aluminum containers.

Shipping and Handling Restrictions for Quicklime

When being transported by air, calcium oxide is classified in the Department of Transportation (DOT) regulations as a hazardous material. Because express carriers (for example, Federal Express, Airborne Express, and United Parcel Service) ship by air, quicklime presented to these carriers for shipment should be packaged, marked, and labeled accordingly, and be accompanied by the appropriate shipping documentation. Only personnel trained and certified under applicable DOT Hazardous Materials Regulations (contained in Title 49 of the Code of Federal Regulations) may prepare quicklime for air transport. For additional information, contact the DOT website, www.text-trieve.com/dotrspa, or the Research and Development Department of Chemical Lime Company at (817)732-8164.

Other Precautions

Keep material dry. If material gets wet, flood with excess water to remove heat. Avoid eye contact and breathing dust.

NFPA Rating:	HEALTH: 3	FLAMMABILITY: 0	REACTIVITY: 1
HMIS Rating:	HEALTH: 2	FLAMMABILITY: 0	REACTIVITY: 1
WHMIS Rating:	D2A, E		

Section VIII - Control Measures**Respiratory Protection (Specify Type)**

Dust masks meeting the NIOSH N95 rating are sufficient for casual exposure. (42 CFR)

Ventilation	Local Exhaust Vent to dust collector	Special	Do not dispose of dust with combustible materials.
	Mechanical (General) Vent to meet TLV requirements	Other	

Protective Gloves

Dry cloth or leather gloves

Other Protective Clothing or Equipment

Full clothing to cover arms and legs, safety glasses or face shield.

Work/Hygienic Practices

Eye wash and shower station should be readily available.

Chemical Lime Company provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Individuals receiving this information must consult their own technical and legal advisors and/or exercise their own judgment in determining its appropriateness for a particular purpose. Chemical Lime Company makes no representations or warranties, either express or implied, including without limitation and warranties of merchantability or fitness for a particular purpose with respect to the information set forth herein or the product(s) to which the information refers. Accordingly, Chemical Lime Company will not be responsible or liable for any claims, losses or damages resulting from the use of or reliance upon or failure to use this information.

MSDS Number: **S2954** * * * * * Effective Date: 09/12/03 * * * * * Supersedes: 05/16/03

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865



24 Hour Emergency Telephone: 908-959-2151
CHEMTREC: 1-800-424-9300

National Response In Canada
CANUTEC: 613-996-6666

Outside U.S. and Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

SODIUM BICARBONATE

1. Product Identification

Synonyms: Sodium hydrogen carbonate; sodium acid carbonate; baking soda; bicarbonate of soda

CAS No.: 144-55-8

Molecular Weight: 84.01

Chemical Formula: NaHCO₃

Product Codes:

J.T. Baker: 3506, 3508, 3509, 3510

Mallinckrodt: 7285, 7396, 7397, 7412, 7749, 7903

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Sodium Bicarbonate	144-55-8	99 - 100%	No

3. Hazards Identification

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

SAF-T-DATA^(tm) Ratings (Provided here for your convenience)

Health Rating: 1 - Slight

Flammability Rating: 1 - Slight

Reactivity Rating: 1 - Slight

Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT

Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:

High concentrations of dust may cause coughing and sneezing.

Ingestion:

Extremely large oral doses may cause gastrointestinal disturbances.

Skin Contact:

No adverse effects expected.

Eye Contact:

Contact may cause mild irritation, redness, and pain.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

No information found.

4. First Aid Measures

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact:

Not expected to require first aid measures.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

Use protective clothing and breathing equipment appropriate for the surrounding fire.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and

containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

7. Handling and Storage

Keep in a well closed container stored under cold to warm conditions, 2 to 40 C, (36 to 104F). Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:

White crystalline powder.

Odor:

Odorless.

Solubility:

7.8g/100g water @ 18C (64F).

Density:

2.2

pH:

8.3 (0.1 molar @ 25C (77F))

% Volatiles by volume @ 21C (70F):

0

Boiling Point:

Not applicable.

Melting Point:

60C (140F)

Vapor Density (Air=1):

No information found.

Vapor Pressure (mm Hg):

No information found.

Evaporation Rate (BuAc=1):

No information found.

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Gaseous carbon dioxide.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Reacts with acids to form carbon dioxide. Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy.

Conditions to Avoid:

Heat, moisture, incompatibles.

11. Toxicological Information

Investigated as a mutagen, reproductive effector. Oral rat LD50: 4220 mg/kg. Irritation data: human, skin, 30mg/3D-I mild, rabbit, eye, 100 mg/30 S, mild.

-----\Cancer Lists\-----			
Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	

Sodium Bicarbonate (144-55-8)	No	No	None

12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

```

-----\Chemical Inventory Status - Part 1\-----
Ingredient                                     TSCA   EC    Japan  Australia
-----
Sodium Bicarbonate (144-55-8)                Yes   Yes   Yes     Yes
  
```

```

-----\Chemical Inventory Status - Part 2\-----
Ingredient                                     Korea  DSL   NDSL   Phil.
-----
Sodium Bicarbonate (144-55-8)                Yes   Yes   No     Yes
  
```

```

-----\Federal, State & International Regulations - Part 1\-----
Ingredient                                     -SARA 302-  -SARA 313-
RQ    TPQ    List  Chemical Catg.
-----
Sodium Bicarbonate (144-55-8)                No    No    No     No
  
```

```

-----\Federal, State & International Regulations - Part 2\-----
Ingredient                                     CERCLA  -RCRA-  -TSCA-
261.33  8(d)
-----
Sodium Bicarbonate (144-55-8)                No      No      No
  
```

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
 SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No
 Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated.

Poison Schedule: None allocated.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:

None.

Label First Aid:

Not applicable.

Product Use:

Laboratory Reagent.

Revision Information:

MSDS Section(s) changed since last revision of document include: 7.

Disclaimer:

Mallinckrodt Baker, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. MALLINCKRODT BAKER, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MALLINCKRODT BAKER, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

Prepared by: Environmental Health & Safety

Phone Number: (314) 654-1600 (U.S.A.)

AGWAY -

TICKET # _____

BROADCAST

FIELD
TONS 1.00

POUNDS

MATERIAL	- % -	TON	TOTAL	BATCH	RPM
GSP	10.62%	212	217	217	104
JREA	89.38%	1,788	1,826	1,826	1,000
TOTAL		2,000	2,043	2,043	1 Batches

1.14 Mins Per TON (1 Min 8 Sec)

MIX 1.17 Mins (1 Min 10 Sec)

GRADE 41 - 4 - 0

1,749 Lbs/Minute

TICKET # _____

FARM

FIELD
TONS 1.00

1.02 TONS

COST/TON

\$260.88

FERT. COST

\$266.48

E 41 - 4 - 0

49.3 LBS/CUBIC FOOT

PLANT FOOD - LBS PER TON

N	P	K	Ca	Mg	S	B	Cu	Fe	Mn	Zn
822	98	0	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NUTRIENT ANALYSIS <%>

	N	P	K	Ca	Mg	S	B	Cu	Fe	Mn	Zn
COMPUTED	41.11	4.89	0.00	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GUARANTEE	41	4	0	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00

FERTILIZER COST \$266.48

TOTAL COST

Appendix L
Biopile and Sub-grade Sampling
Location Drawings

From: <R1smc@aol.com>
To: <djchiusa@gw.dec.state.ny.us>
Date: 10/1/99 2:23PM
Subject: Re: Maestri Large Decon Pad Soil Sampling

David:

Got good news and bad news.

The good news is that the PID screening at 6 inches below large decon pad was zero at all 4 sample locations.

Dug 4 test pits at a depth of 2 feet - same locations - PID readings were at Zero.

The bad news is it looks like I've worked myself out of a job here.

Lab results back by late afternoon Tuesday 10/5/99.

Have a good weekend.

SMC
Everett

CC: <chris.goddard@agna.zeneca.com>, <Joe.MacArthur@agna.zeneca.com>

New York State Department of Environmental Conservation
Spill Prevention and Response, Region 7
615 Erie Boulevard West, Syracuse, New York 13204-2400
Phone: (315) 426-7519 FAX: (315) 426-2653



IMMEDIATE ATTENTION

TO: Dave Chiusano
FAX NO.: 518 457 7743

FROM: John May

BUREAU OF SPILL PREVENTION & RESPONSE, REGION 7 SYRACUSE OFFICE

MESSAGE: Excavation in Decm Pad area.
Sample locations

NUMBER OF PAGES 2 (Includes cover sheet)

OUR TELECOPIER PHONE NUMBER IS (315) 426-2653

IF YOU EXPERIENCE ANY PROBLEMS RECEIVING THIS TRANSMISSION
CALL (315) 426-7519.

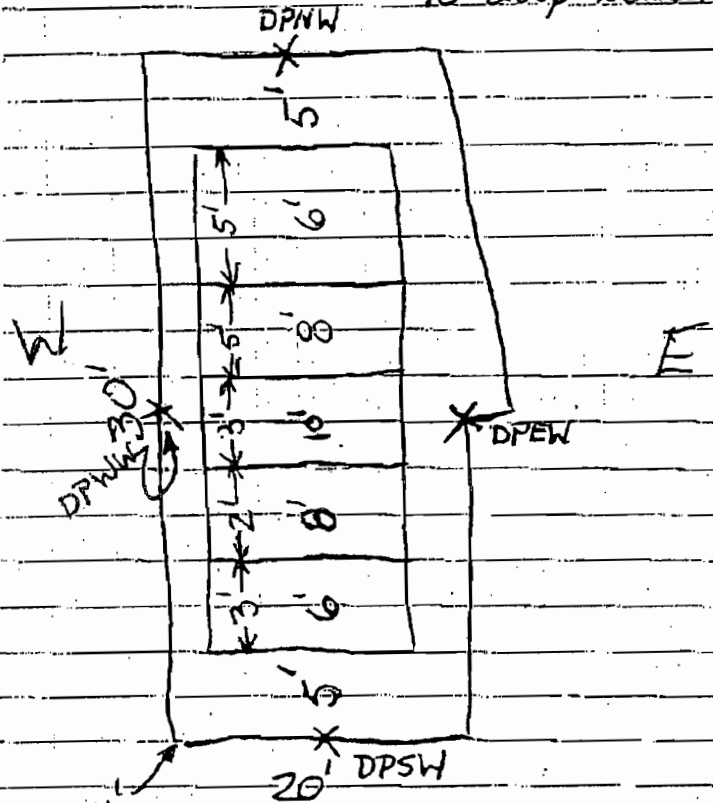
a:covershe.fax

1:00 PM
9/13/99

Sunny 80°

Maestri

N VOC's Center of Wall
2/3 down to 1st bench.
Center of the 6', 8' and
10' deep benches.



S SVOC Composites
1 from each wall
1 from 6', 8' and 10'
deep benches.
(bottom)

Subj: Maestri Large Decon Pad Soil Sampling
Date: 99-10-01 08:48:01 EDT
From: djchiusa@gw.dec.state.ny.us (David Chiusano)
To: chris.goddard@agna.zeneca.com, R1SMC@aol.com

per your fax and our telephone conversation the sample locations and procedure for soils below large decon pad is approved. After concrete removal screen w/ hnu, and collect samples from w/ top six inches. Also, you indicated that you would dig down 1-2 feet in a few areas and screen w/ hnu as a contingency. If any elevated levels are found a sample will be collected. Any questions please call.

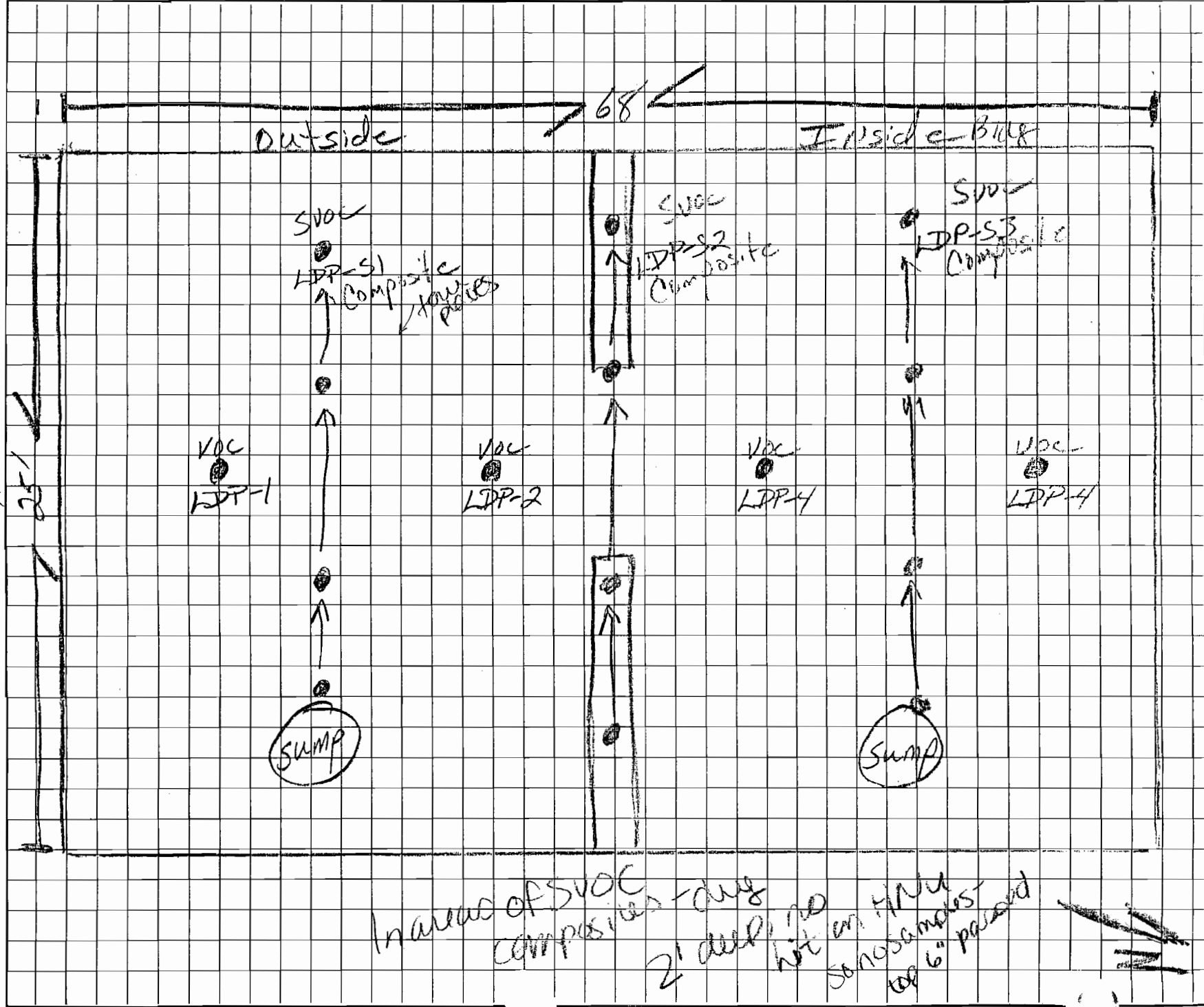
As always thanks for your continued cooperation and good work!! Have a good weekend.

Headers

Return-Path: <djchiusa@gw.dec.state.ny.us>
Received: from rly-za05.mx.aol.com (rly-za05.mail.aol.com [172.31.36.101]) by air-za01.mail.aol.com (vx) with ESMTP; Fri, 01 Oct 1999 08:48:01 -0400
Received: from co_nwsmtp (gwsmtplib.dec.state.ny.us [134.179.112.16]) by rly-za05.mx.aol.com (v61.13) with ESMTP; Fri, 01 Oct 1999 08:47:58 -0400
Received: from CO_NW-Message_Server by co_nwsmtp
with Novell_GroupWise; Fri, 01 Oct 1999 08:52:35 -0400
Message-Id: <s7f47653.062@co_nwsmtp>
X-Mailer: Novell GroupWise 5.5
Date: Fri, 01 Oct 1999 08:46:57 -0400
From: "David Chiusano" <djchiusa@gw.dec.state.ny.us>
To: <chris.goddard@agna.zeneca.com>, <R1SMC@aol.com>
Subject: Maestri Large Decon Pad Soil Sampling
Content-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

**STAUFFER
MANAGEMENT
COMPANY**

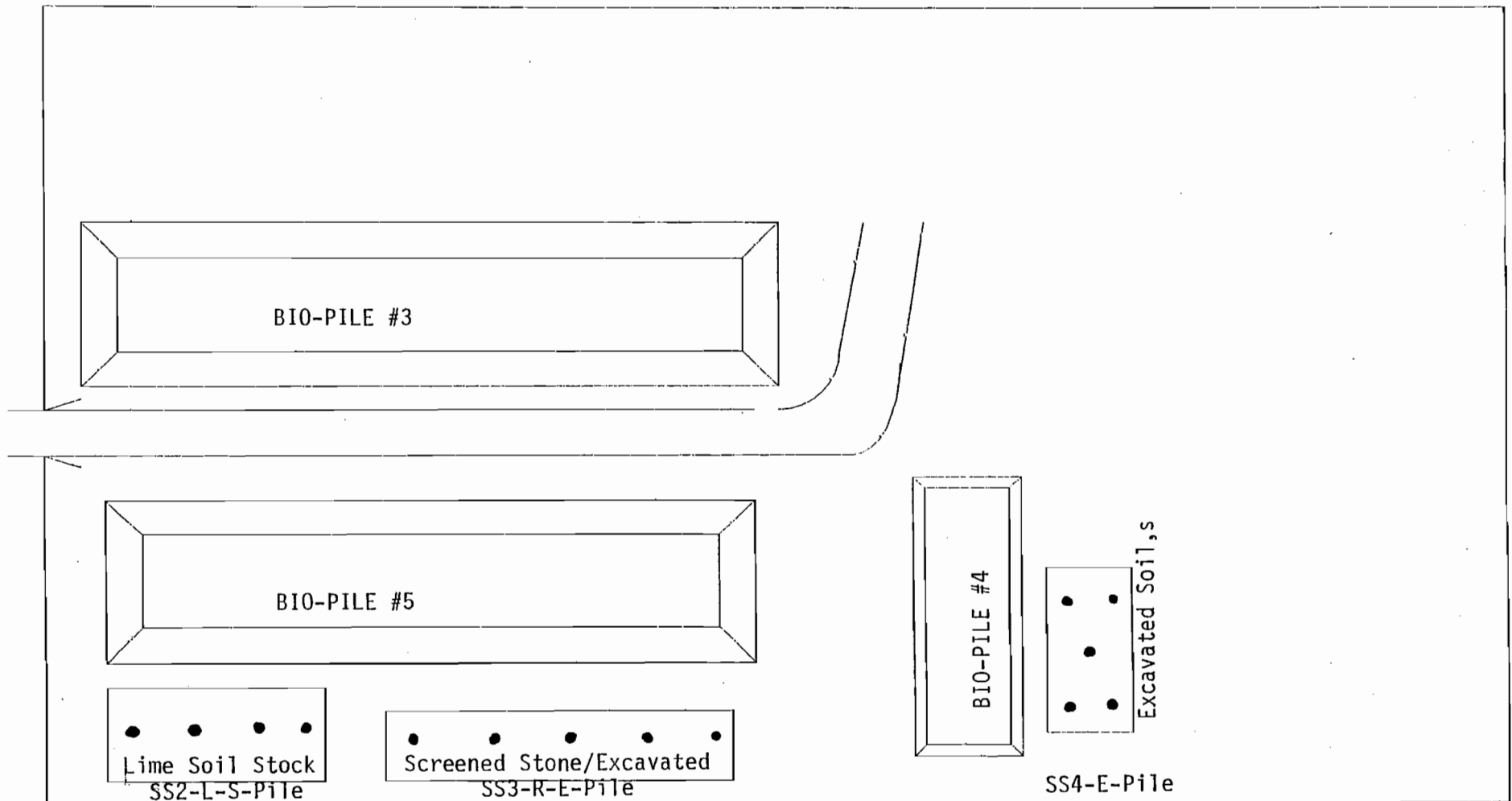
BY E Rice DATE 9/30/01 SHEET 1 OF 1
SUBJECT br4 Decan Pad



Maestri - Site

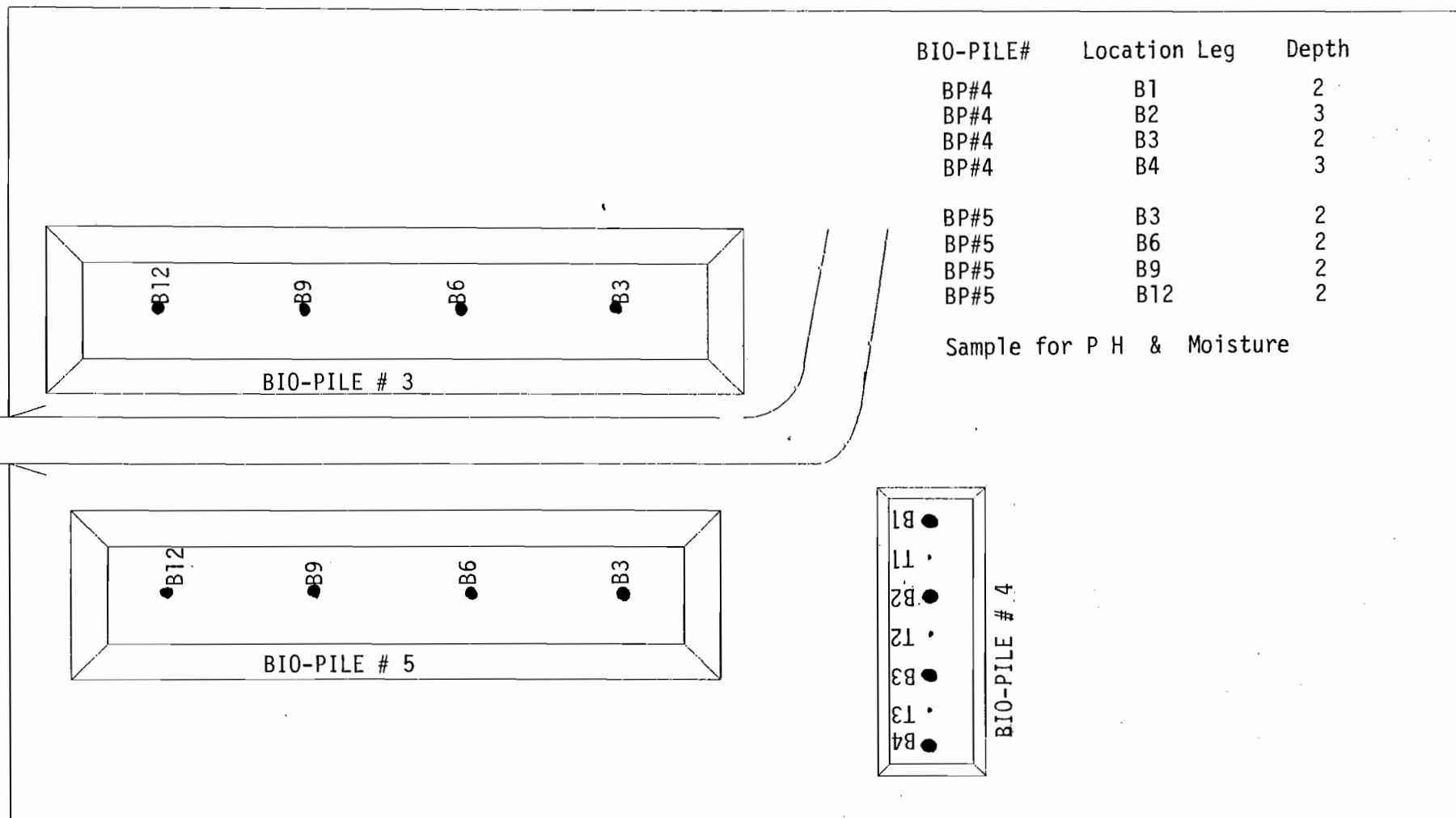
904 State Fair Blvd., Syracuse

Date Sampled 5/1/97



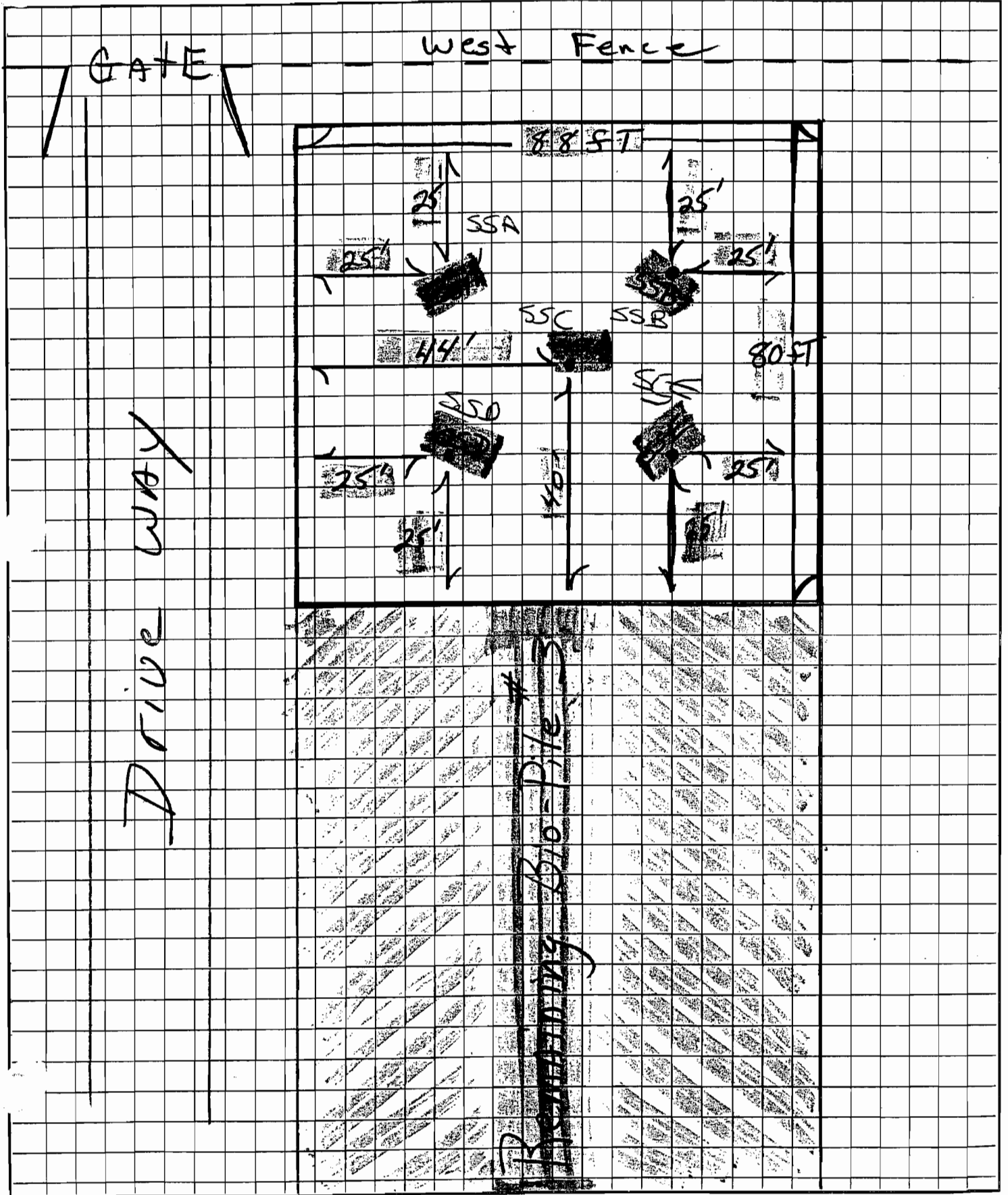
● = Sample,s taken from under stock-pile area,s
Composite for S V O C

MAESTRI - SITE
904 State Fair Blvd., Syracuse



**STAUFFER
MANAGEMENT
COMPANY**

BY E Rice DATE 11-7-97 SHEET 1 OF 1
SUBJECT Subsurface - liner Bio Pile #3

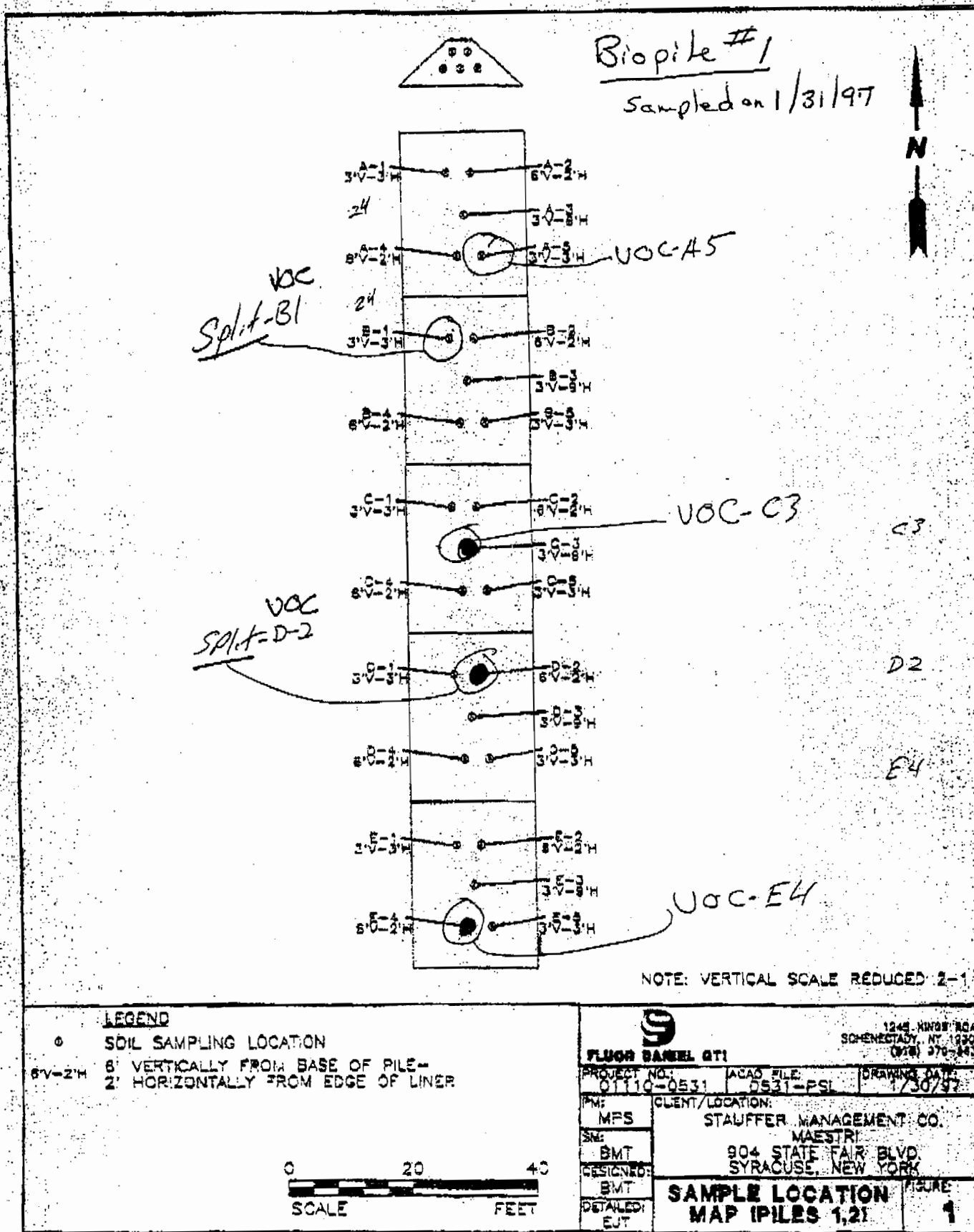


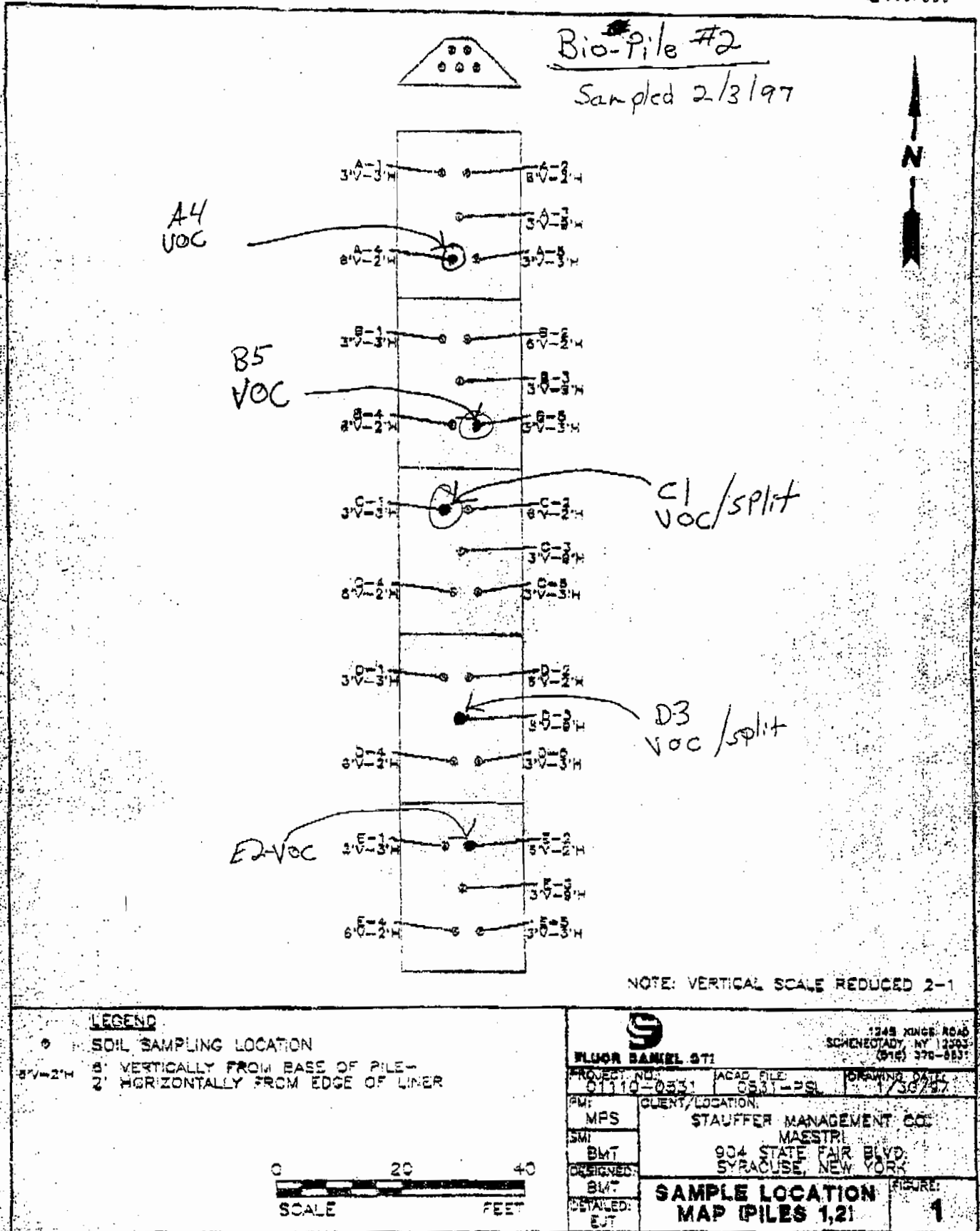
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315 370 5884

FLUOR DANIEL GTI

003/003



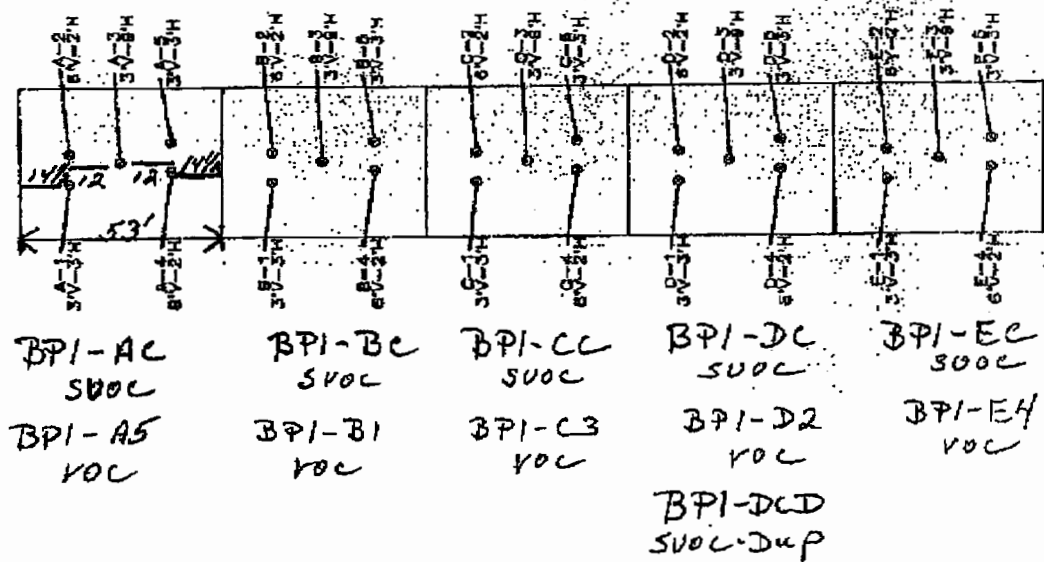




Bio-File # 1

HNU Readings on Zones A, B, C, D+E
AT Points 1-5 Respectively showed NO Indication
of VOC contamination. Therefore VOC
samples were selected Randomly by
E. Rice (SMC) + P. Barth (NYSDEC Rep.)

NOTE: VERTICAL SCALE REDUCED 2-1



FLUOR DANIEL GTI 1245 NIMES ROAD SYRACUSE, NY 13209 (315) 376-3443		PROJECT NO. 0531-PSL ACAD FILE 0531-PSL DRAWING DATE 1/30/97	
CLIENT/LOCATION STAUFFER MANAGEMENT CO. MAESTRI 904 STATE FAIR BLVD. SYRACUSE, NEW YORK		SCALE 1" = 20'	
DESIGNED BY BMT CHECKED BY BMT DATE 1/30/97		SAMPLE LOCATION MAP FILES 1,21	

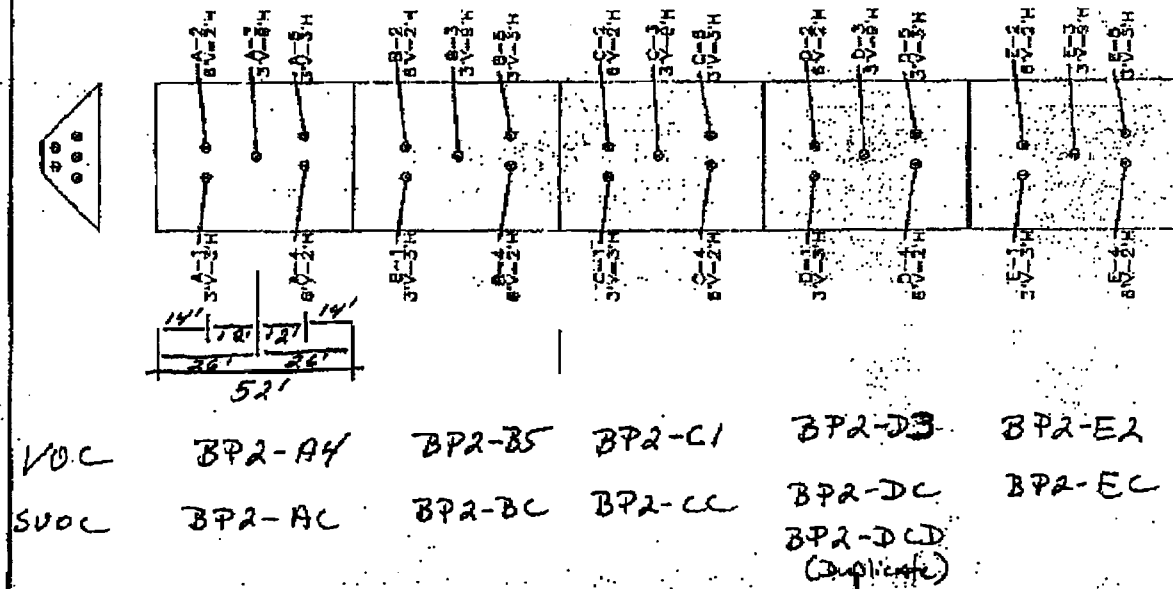
NYSDEC
split
samples
at
Zone B+D
VOC
+
SVOC

01/30/97 14:54

3154887907

FLUOR DANIEL GTI

0003/003



Bio-Pile #2

FID Readings on Zones A, B, C, D + E at Points 1-5 Respectively showed no indication of VOC Contamination. Therefore VOC samples were selected Randomly by Everett Rice (smc) + Paul Barth (NYSDEC Rep)

NOTE: VERTICAL SCALE REDUCED 2-1

LEGEND

SOIL SAMPLING LOCATION

1" VERTICALLY FROM BASE OF PILE

2" HORIZONTALLY FROM EDGE OF LINER



FLUOR DANIEL GTI

1245 KINGS ROAD

20-ROCKAWAY, NY 11760

(800) 370-8837

PROJECT NO. 100-0531

DATE 05-11-97

DRAWN BY J. J. J.

CLIENT/LOCATION: STAUFFER MANAGEMENT CO.

904 STATE FAIR BLVD

SYRACUSE, NEW YORK

BMT DESIGNED BY

BMT

BMT

BMT

BMT

BMT

BMT

BMT

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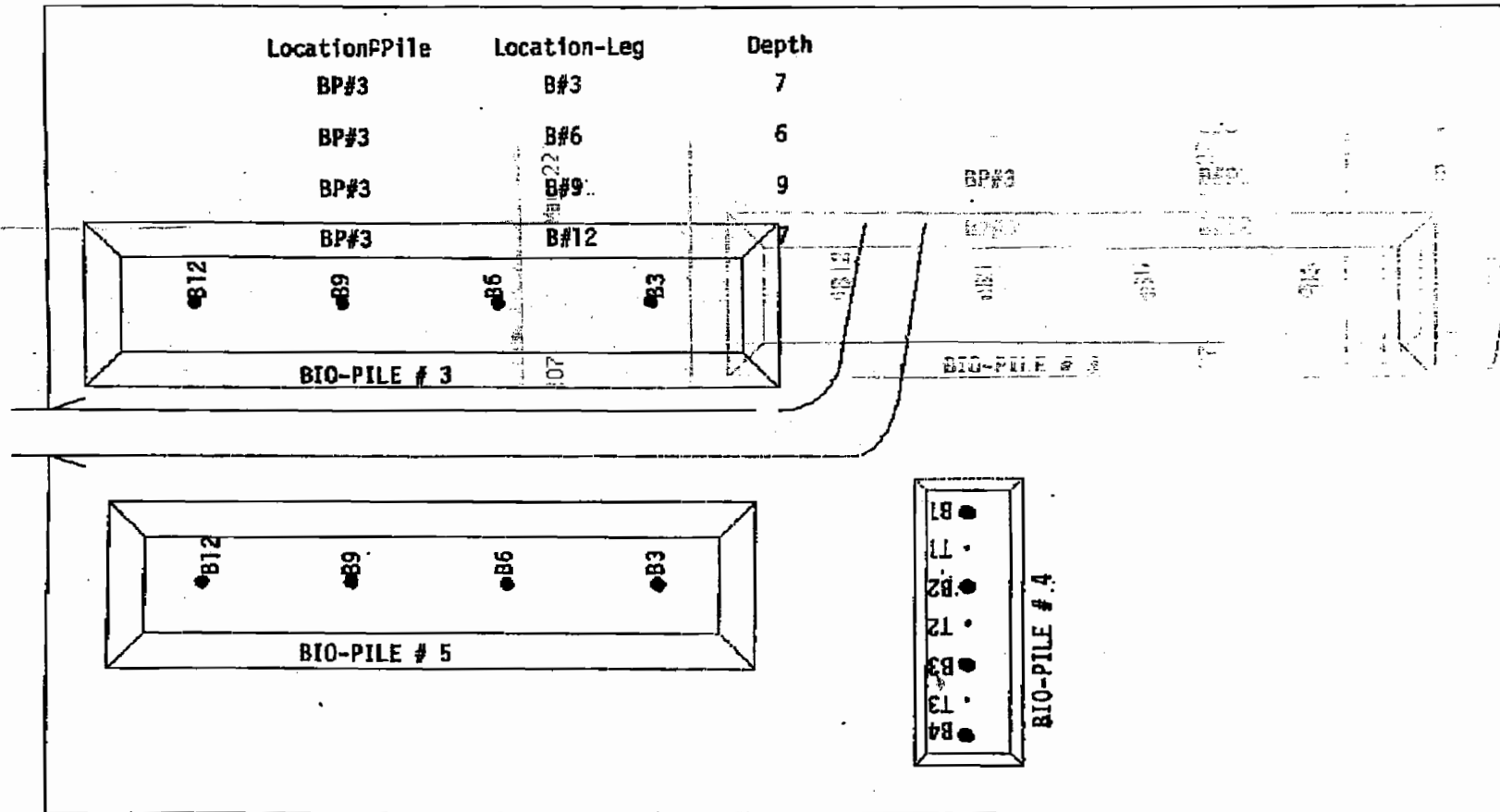
BMT

SAMPLE LOCATION
MAP IPILES 1,21

1

MAESTRI - SITE
904 State Fair Blvd., Syracuse

STROFFER MGMT Fax:315-685-6307 May 22 '97 9:48 P.02



KEY

centration (ppm)

Sample ID

12

BP3-3

0.828

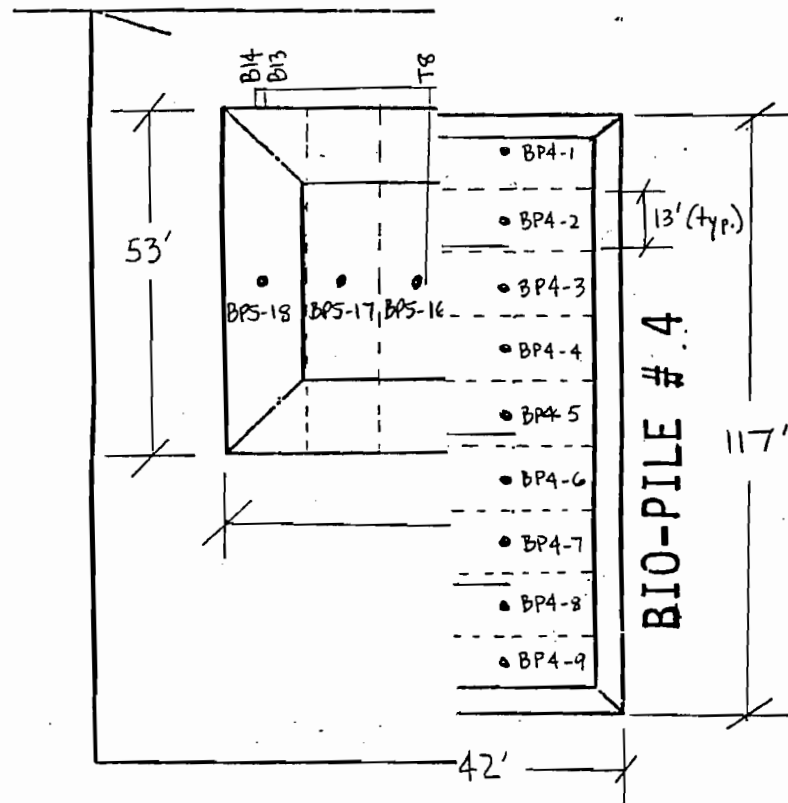
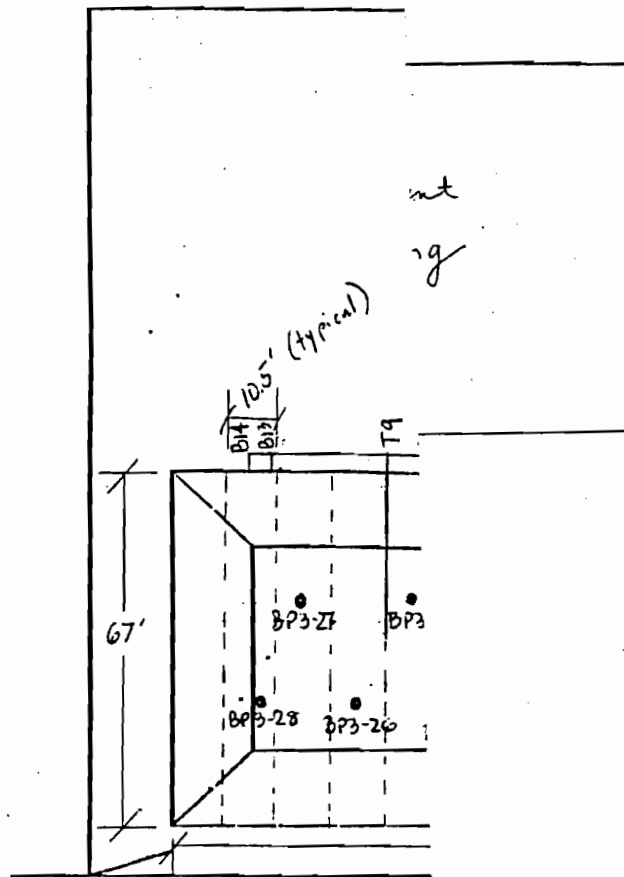
Total SVOC concentration (ppm)

ND	0.36	ND	ND
•27	•25	•23	•21
ND	0.098	ND	1.9
•28	•26	•24	•22
0.85	2.59	0.41	2.16

ND = Non Detect

1.1	0.028	0.5	2.2	3.6
•18	•17	•16	•15	•14
	2.08		1.22	

BIO-PILE # 4



From: Goddard Chris CM <Chris.Goddard@AGNA.zeneca.com>
To: "'Chiusano, David'" <djchiusa@gw.dec.state.ny.us>
Date: 10/21/98 2:55pm
Subject: Maestri Sampling

David

Attached below are the compiled soil sampling results for the Maestri site. There are also two drawings illustrating where the samples were taken from. We will be sending you a hard copy of this information as well as the actual lab results via registered mail.

As you will see the results indicate good progress has been made towards achieving the RAOs. In fact Biopile #4 and parts of the two other piles have achieved these levels and we would like to return them to the excavation so we can concentrate the ventilation and treatment systems on the other areas.

We will be contacting you shortly with our plans for immediate future regarding this site. In the meantime should you have any questions please contact me or Joe MacArthur.

Chris
Chris Goddard
Engineering Risk Manager

CC: MacArthur Joe JA <Joe.MacArthur@AGNA.ZENECA.com>, ...

Maestri-Site									
Geddes, New York									
Soil Sampling Summary Table									
September 28 & 29, 1998									
VOC Concentrations (mg/kg)				SVOC Concentrations (mg/kg)					Total SVOC
Sample ID	Depth	Xylene	TCE	2-Methylphenol	4-Methylphenol	Acid	2,4-Dimethylphenol	phthalate	Concentrations
Bio-Pile# 5									
BP5-1A	5-6 FT	0.81	<0.006	<0.39	<0.39	<1.9	<0.39	1.5	1.89
BP5-2A	5-6 FT	12	<0.28						
BP5-3A	5-6 FT	22	<2.9	<0.40	<0.4	<2.0	<0.4	0.88	1.28
BP5-4A	4-5 FT	15	<0.28						
BP5-5A	5-6 FT	9.5	<0.3	0.081	<0.4	<2.0	<0.4	2.4	2.4
BP5-6A	4-5 FT	<0.004	<0.001						
BP5-7A	4-5 FT	0.12	<0.006	<0.38	<0.38	<1.9	<0.38	5.2	5.58
BP5-8A	4-5 FT	<0.004	<0.001						
BP5-9A	4-5 FT	<0.018	<0.006	0.15	<0.4	<2.0	<0.4	1.3	1.7
BP5-10A	4-5 FT	10	<0.29						
BP5-11A	4-5 FT	13	<0.29	<0.39	<0.39	<2.0	<0.39	5.5	5.89
BP5-12A	4-5 FT	18	<0.29						
BP5-13A	4-5 FT	9.3	<0.29	<0.37	<0.37	<1.9	<0.37	1.7	2.07
BP5-14A	4-5 FT	<0.017	<0.006						
BP5-15A	4-5 FT	0.023	<0.006	<0.41	<0.41	<2.1	<0.41	0.65	1.06
BP5-16A	4-5 FT	0.18	<0.006						
BP5-17A	5-6 FT	1.7	<0.3	<0.41	<0.41	<2.0	<0.41	1.3	1.71
BP5-18A	5-6 FT	0.75	<0.006						

Maestri-Site									
Geddes, New York									
Soil Sampling Summary Table									
September 28 & 29, 1998									
VOC Concentrations (mg/kg)				SVOC Concentrations (mg/kg)					Total SVOC
Sample ID	Depth	Xylene	TCE	2-Methylphenol	4-Methylphenol	Acid	2,4-Dimethylphenol	phthalate	Concentrations
Bio-Pile#3									
BP3-1A	6-FT	0.03	<0.006						
BP3-2A	7-FT	3	<0.28						
BP3-3A	8-FT	5	<0.28	0.052	<0.37	<1.9	<0.37	2.8	2.8
BP3-4A	9-FT	1.2	<0.28						
BP3-5A	6-FT	15	<0.28	<0.37	<0.37	<1.9	<0.37	1.3	1.67
BP3-6A	8-FT	12	<0.27	<0.37	<0.37	<1.9	<0.37	2.7	3.07
BP3-7A	6-FT	5.2	<0.28						
BP3-8A	6-FT	22	<0.29	<0.38	<0.38	<1.9	<0.38	1.7	2.08
BP3-9A	6-FT	0.13	<0.001						
BP3-10A	6-FT	9.3	<0.29						
BP3-11A	9-FT	1.7	<0.28	0.18	<0.4	<2	<0.4	2.2	2.2
BP3-12A	6-FT	<0.003	<0.001	<0.38	<0.38	<1.9	<0.38	2.1	2.1
BP3-13A	6-FT	0.3	<0.006						
BP3-14A	6-FT	<0.003	<0.001						
BP3-15A	6-FT	0.018	<0.001	<0.38	<0.38	<1.9	<0.38	0.71	1.09
BP3-16A	6-FT	<0.003	<0.001						
BP3-17A	6-FT	0.009	<0.001	<0.39	<0.39	<1.9	<0.39	0.9	1.29
BP3-18A	6-FT	<0.003	<0.001	<0.37	<0.37	<1.9	<0.37	1.2	1.57
BIO-PILE#4									
BP4-1A	4-5 FT	<0.004	<0.001						
BP4-2A	4-5 FT	<0.004	<0.001	<0.4	<0.4	<2.0	<0.4	1.9	2.3
BP4-3A	4-5 FT	<0.003	<0.001						
BP4-4A	4-5 FT	<0.003	<0.001	0.11	<0.38	<1.9	<0.38	0.94	0.94
BP4-5A	4-5 FT	<0.003	<0.001						

Sheet1

BP4-6A	4-5 FT	<0.003	<0.001	<0.38	<0.38	<1.9	<0.38	1.3	1.68
BP4-7A	4-5 FT	<0.004	<0.001	<0.4	<0.4	<2.0	<0.4	0.56	0.96
BP4-8A	4-5 FT	0.33	<0.006	<0.38	<0.38	<1.9	<0.38	3.2	3.58
BP4-9A	4-5 FT	<0.003	<0.001						

Key

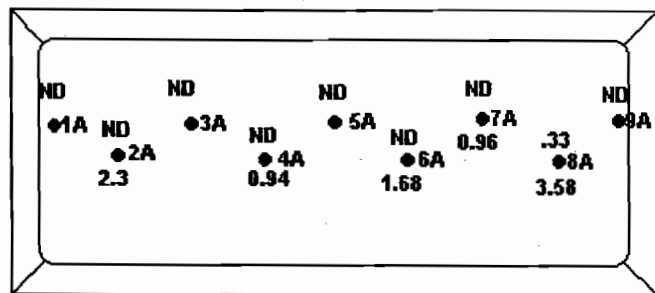
15 Total VOC

● BP3-5A

1.67

Total SVOC

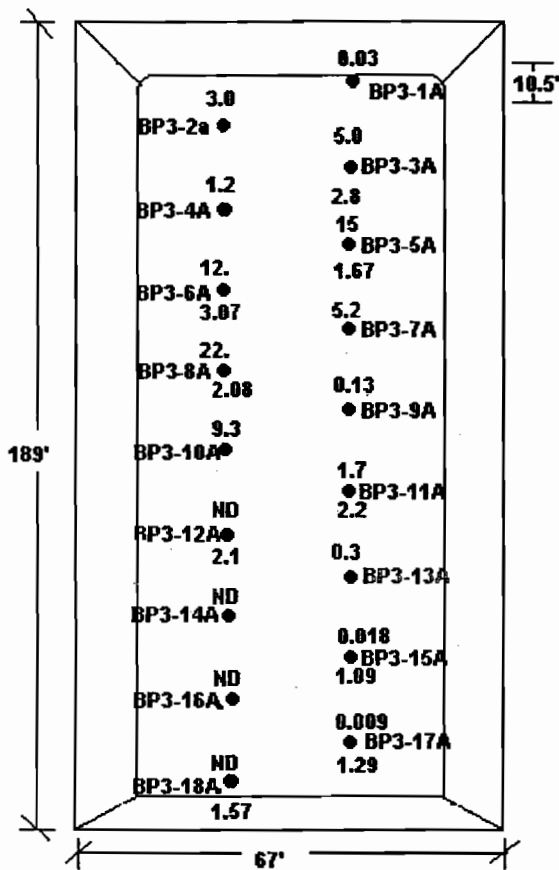
42'



13'

117'
Bio-Pile #4

Bio-Pile #3



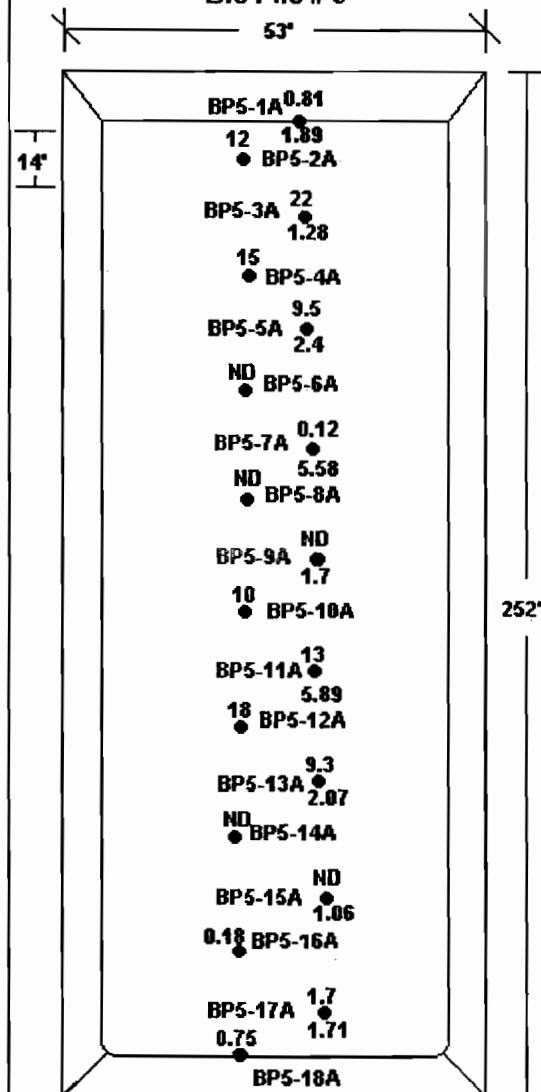
10.5'

189'

67'

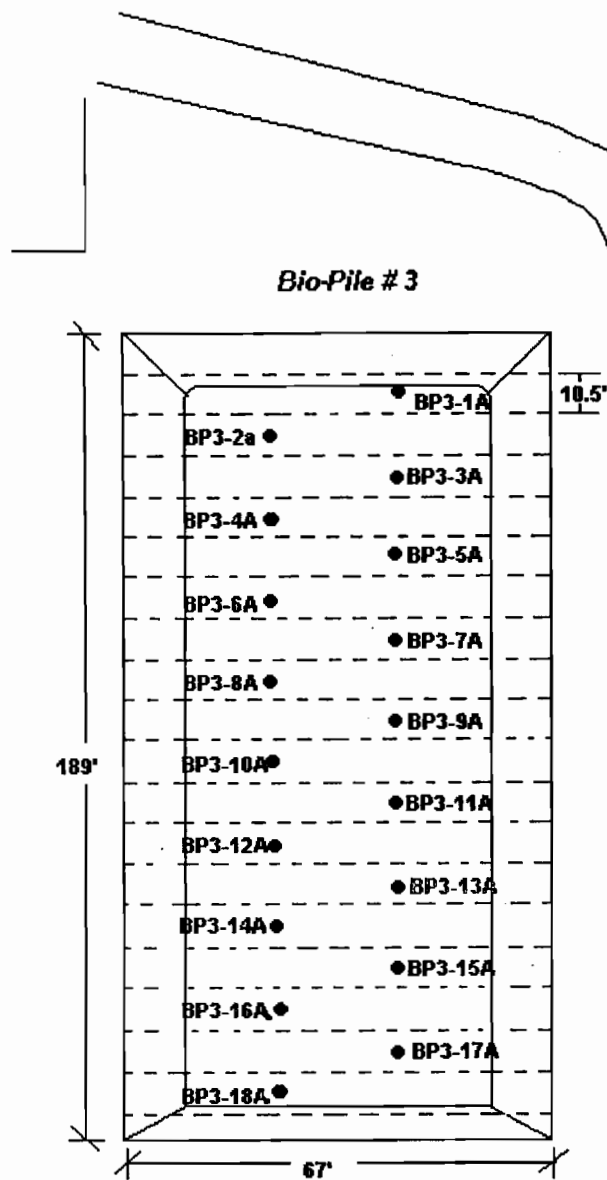
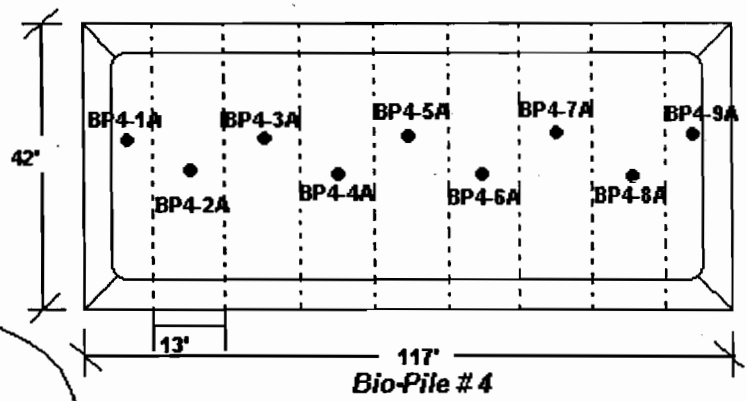
Sept. 28 & 29, 1998
Sampling Event

Bio-Pile #5

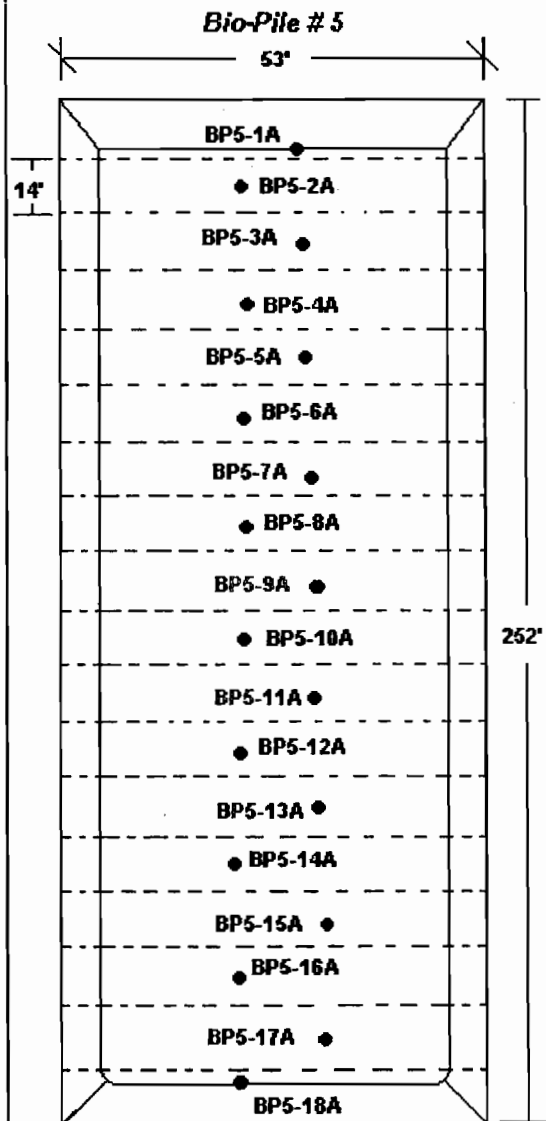


14'

252'

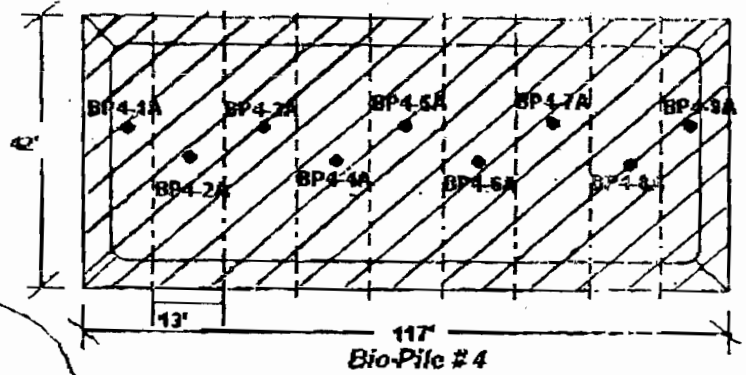


Sept. 28 & 29, 1998
Sampling Event

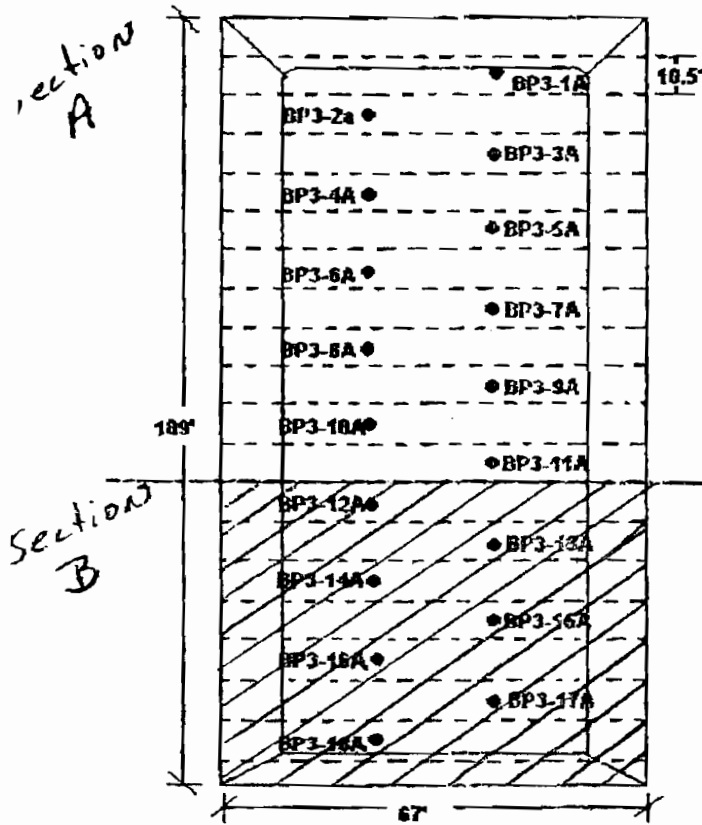


APPROX 5000 cu yd.
CLEAN SOIL

Remove pile #4 use AS BACKFILL



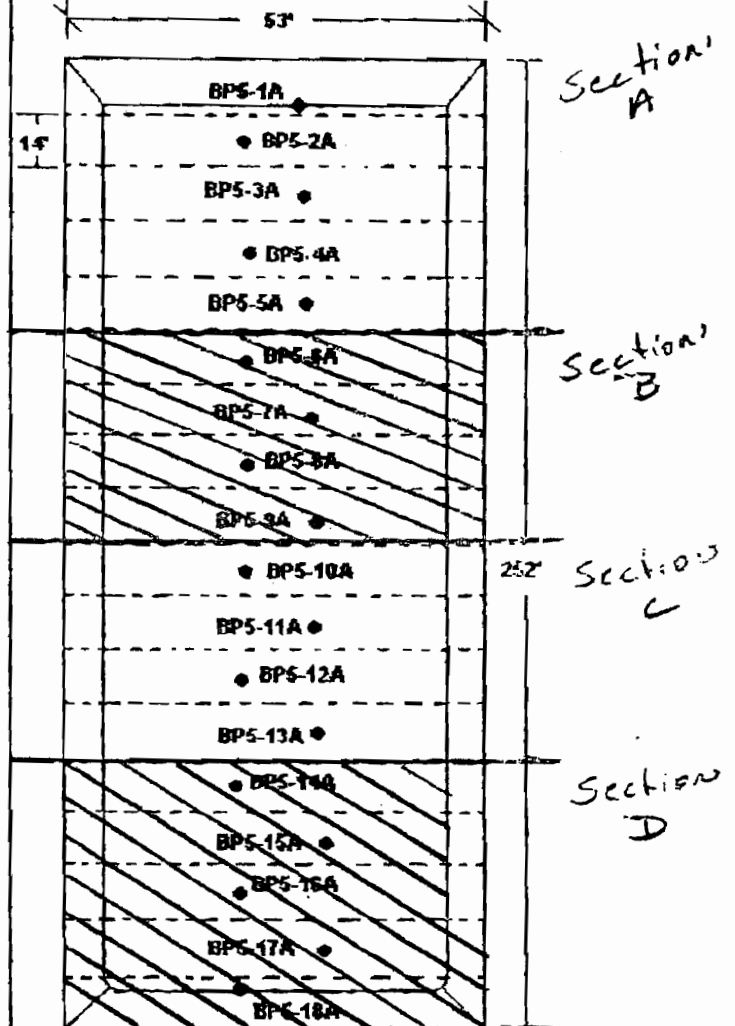
Bio-Pile #3



Remove section B.
USE AS BACKFILL

Concentrate Air Blowers
ON Remainder A.

Bio-Pile #5



Remove sections D & B = BACKFILL
move section C INTO B Area
Concentrate Air Blowers
ON Remainder of soils A & C

From: <R1smc@aol.com>
To: NYSDEC0.Remediat(djchiusa)
Date: 6/14/99 1:38PM
Subject: maestri sampling 99

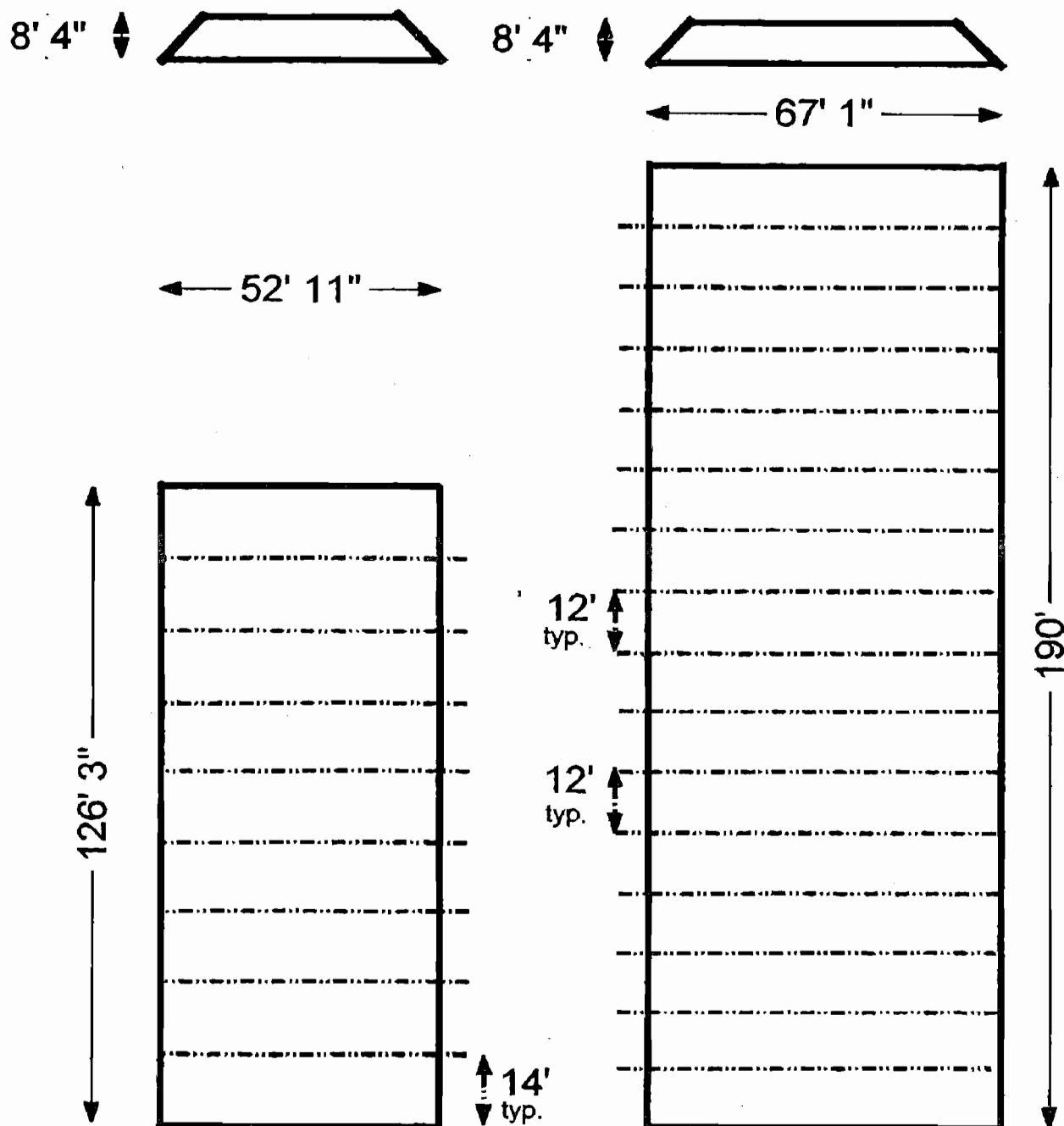
David:
Attached is bio-pile sampling increments.
200 yrd. sampling on bio-pile # 3 will be at approx. every 12'.
200 yrd. sampling on bio-pile # 5 will remain the same 14'.
Will mark location and identification as we take samples.
samples will be taken at a depth of 4'.

SMC
Everett L. Rice.

CC: CO_NW.SMTP_NLM("Chris.Goddard@agna.zeneca.com")

Maestri site
904 state fair
syracuse, N.Y.

Sampling Event
06/15&16/1999



FAX MESSAGE

**FROM: CHRIS GODDARD
ENGINEERING RISK MANAGER
ZENECA ENGINEERING
WILMINGTON, DE 19850**

PHONE # 302-886-5528 FAX # 302-886-4440

DATE:

6/29/99

TO:

DAVID CHUSANO

COMPANY:

XYSDEC

FAX #:

518-457-7743

NO. PAGES: COVER + 1 = 2

MESSAGE:

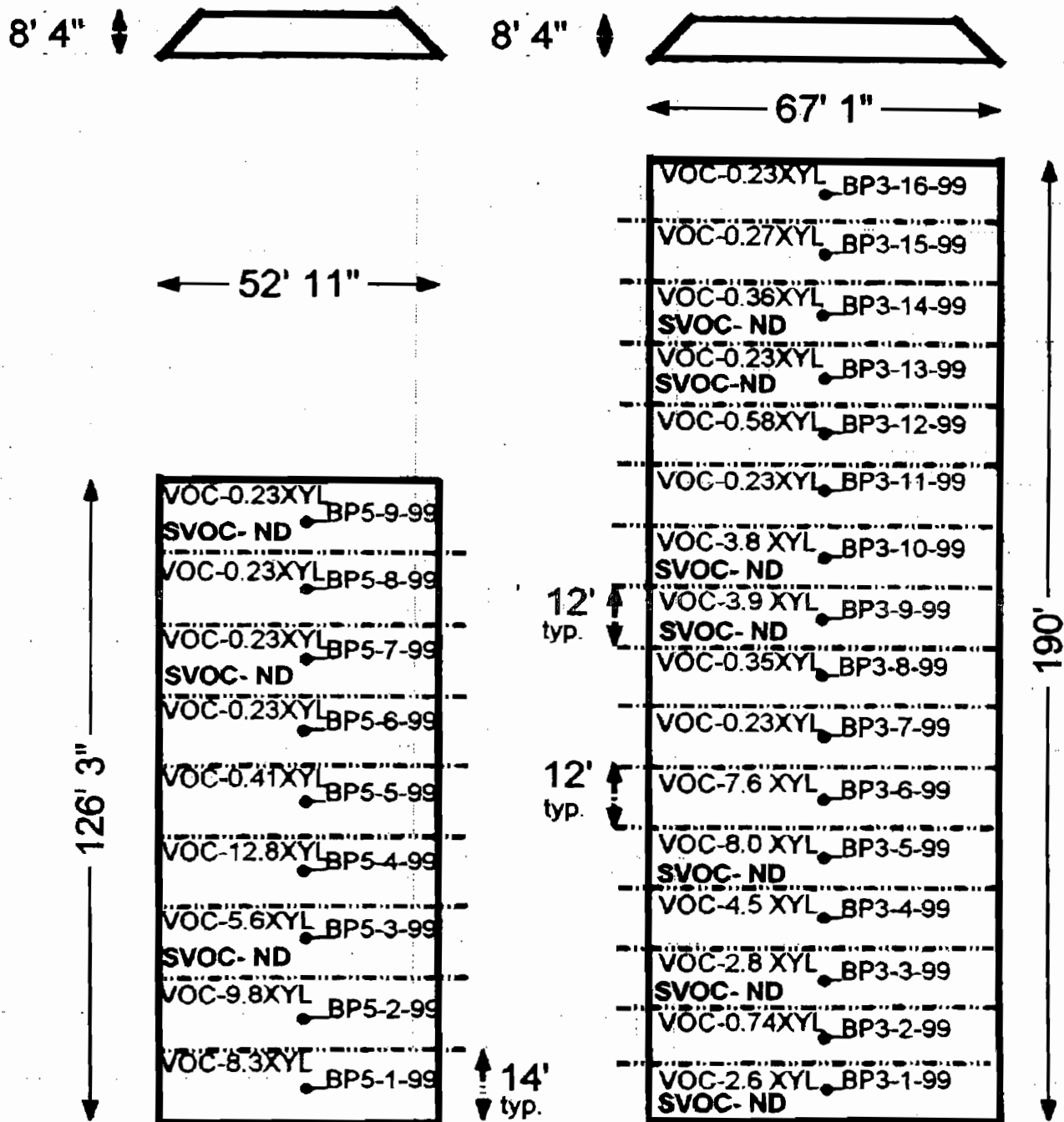
Maestri VOC test results (xylene only). Should have full results by tomorrow. Will forward you a copy when we do. Have you received results of your splits?



Ali

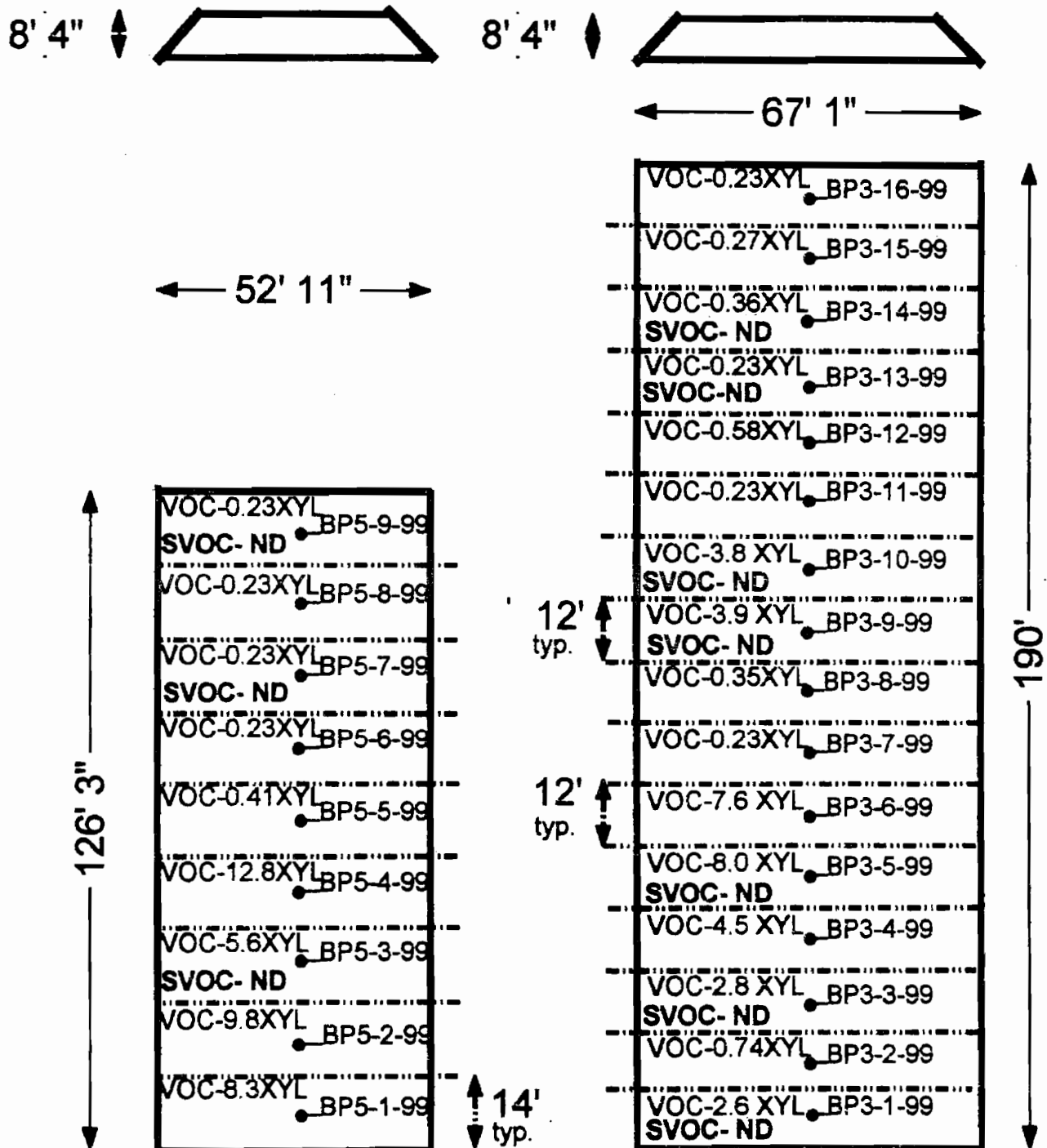
Maestri site
904 state fair
syracuse, N.Y.

Sampling Event
06/15&16/1999



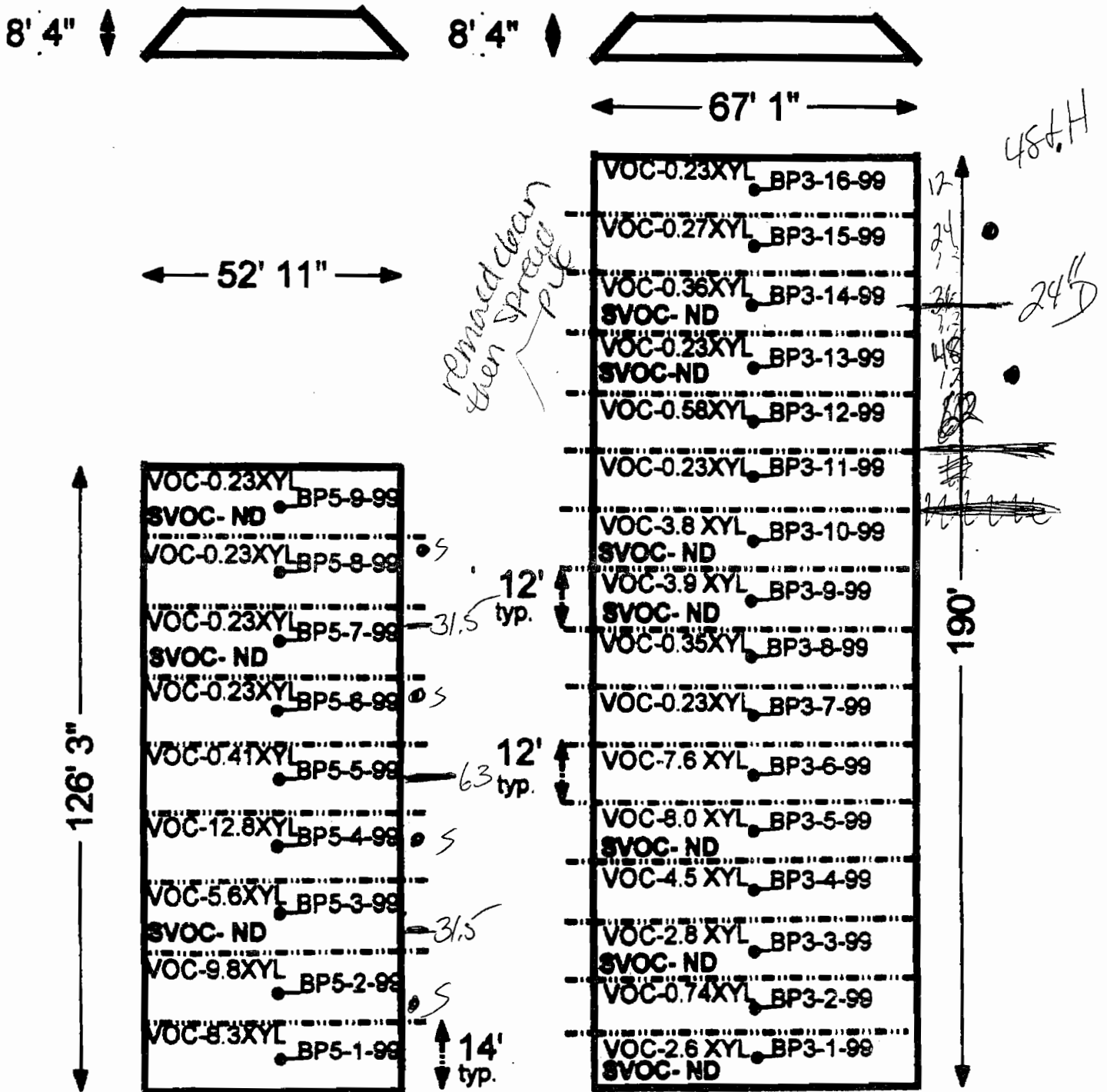
Maestri site
904 state fair
syracuse, N.Y.

Sampling Event
06/15&16/1999



Maestri site
904 state fair
syracuse, N.Y.

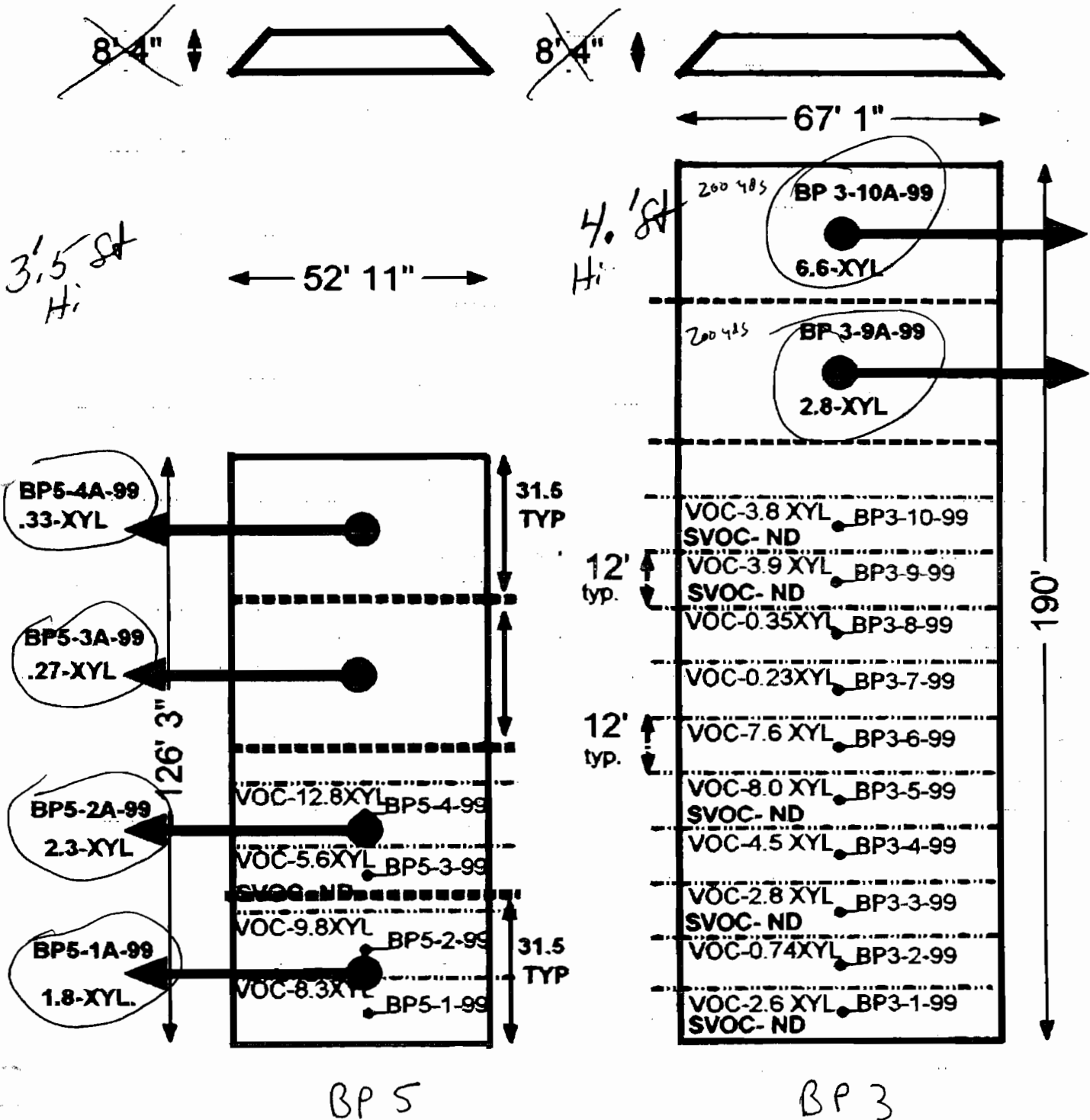
Sampling Event
06/15&16/1999



Maestri site
904 state fair
syracuse, N.Y.

Sampling Event
06/15&16/1999 +
7/19/99

re-sampling for
xylenes taken on 7/19

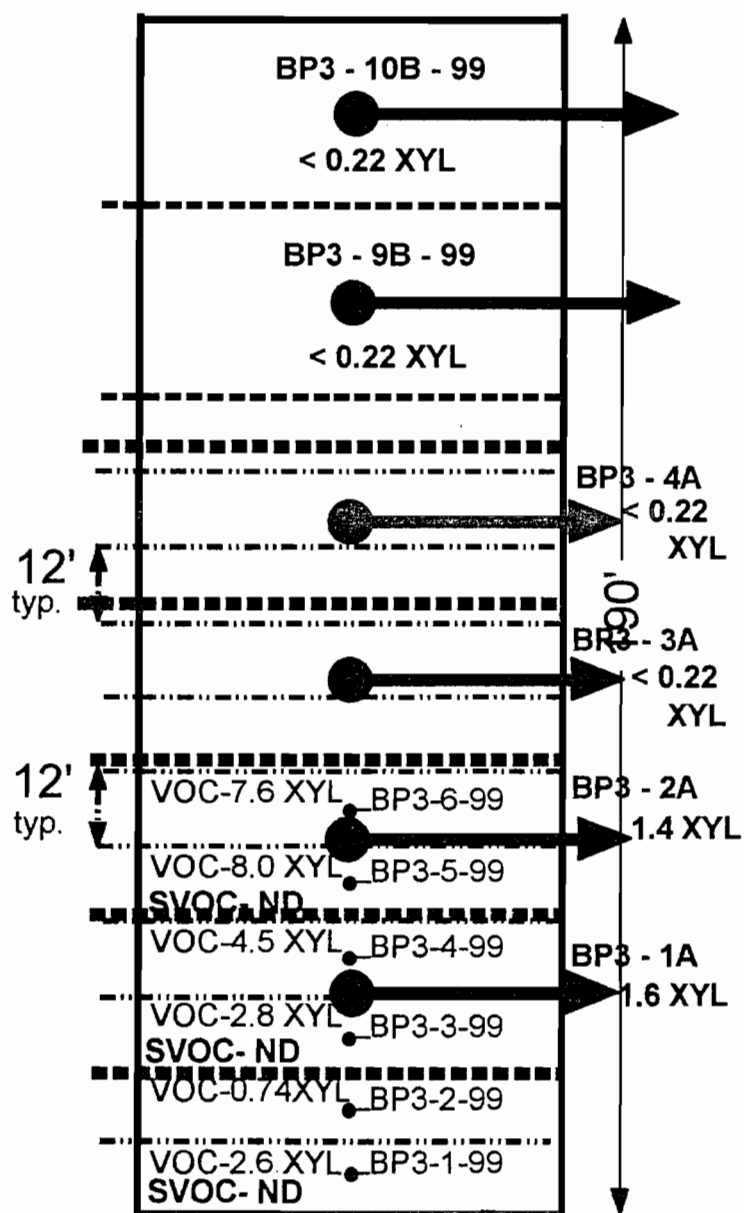
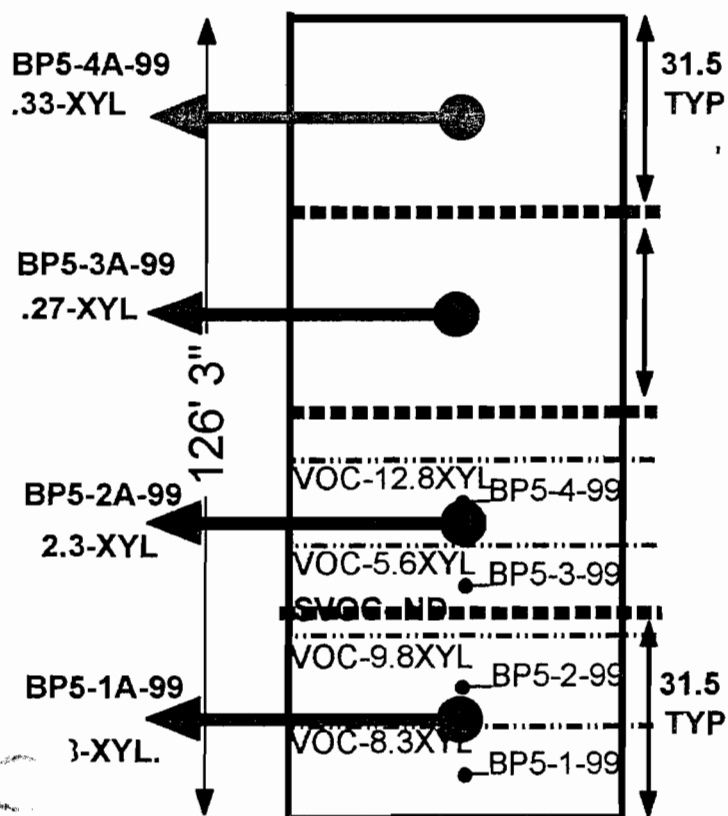
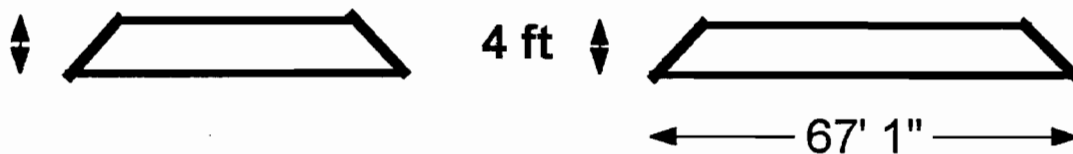


Maestri site
904 state fair
syracuse, N.Y.

Sampling Event

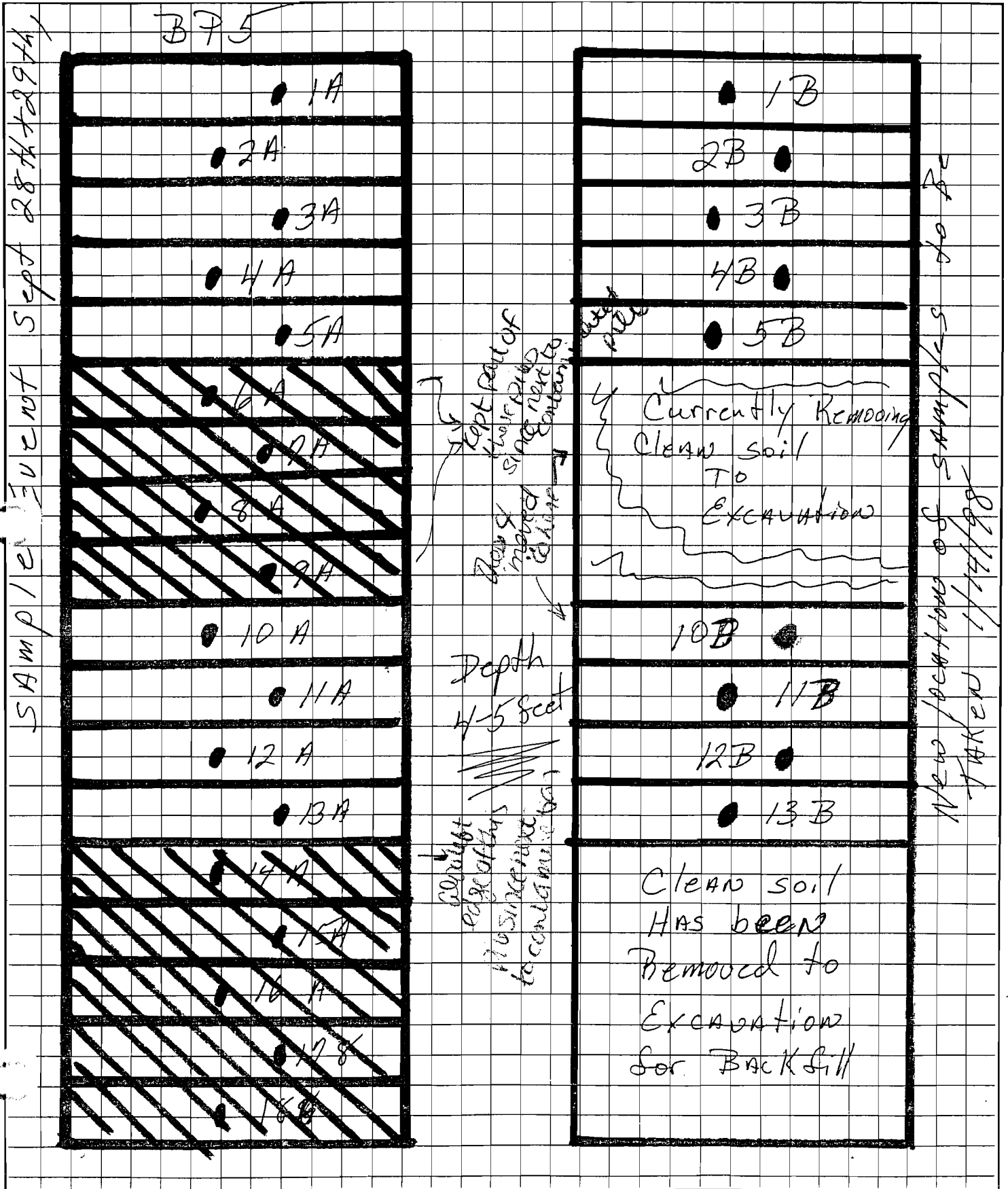
~~06/15&16/1999~~

07/28/99



**STAUFFER
MANAGEMENT
COMPANY**

BY E Rice DATE 1/14/99 SHEET 1 OF 2
SUBJECT Bio Pile 5 sampling



Appendix M
Off-site Disposal Bill of Ladings

Stauffer Management Co.

FAX

Date:

9/10/99

Number of pages including cover sheet:

13

To:

David Chisano

Phone:

Fax phone:

cc: Chris Goddard

From:

Everett L Rice

Phone:

~~915 411-0109~~315 440

844

Fax phone:

REMARKS:

☐ Urgent

For your review

☐ Reply ASAP☐ Please commentConcrete pad plus 12" soil from beneath,

SEP 08 '99 03:37PM 00225

P.1/1



September 8, 1999

HIGH ACRES LANDFILL
A WASTE MANAGEMENT COMPANY425 Perinton Parkway
Fairport, NY 14450
(716) 223-6132
(716) 223-6898 Fax

Mr. John Herrmann
Abscope Environmental, Inc.
PO Box 487
Canastota, NY 13032

RE: Commitment letter

Dear Mr. Herrmann,

Please be advised that Waste Management's High Acres Landfill facility in Fairport, New York has the appropriate permits and capacity to accept contaminated soil and concrete from the Stauffer Management site @ 904 State Fair Blvd. in Syracuse, NY. This material is currently approved under Waste Management profile #547591. The DEC permit number is 8-2644-00048/00021-0 and facility number is 28S32.

Should you have any questions, please do not hesitate to contact me directly @ (716) 754-0365.

Sincerely,

A handwritten signature in cursive script that reads "James L. Callahan".

James L. Callahan
Inside Sales Representative



GENERATOR'S WASTE PROFILE SHEET PLEASE PRINT IN INK OR TYPE

Service Agreement on File? ☐ YES ☐ NO

Profile Number: WMI

547591Renewal Date: 1 / 1**A. Waste Generator Information**

1. Generator Name: STAUFFER MANAGEMENT CO. 2. SIC Code: (MAESTRI SITE)
 3. Facility Street Address: 904 STATE FAIR BLVD. 4. Phone: ()
 5. Facility City: SYRACUSE 6. State/Province: NY
 7. Zip/Postal Code: 13209 8. Generator USEPA/Federal ID #:
 9. County: ONONDAGA 10. State/Province ID #:
 11. Customer Name: ABSCOPE ENVIRONMENTAL, INC. 12. Customer Phone: (315) 697-8437
 13. Customer Contact: JOHN HERRMANN 14. Customer Fax: 315 697-9391

B. Waste Stream Information

1. Name of Waste: CONTAMINATED DIRT, SOILS OR SAND 2. State Waste Code: N816
 3. Process Generating Waste: DEMOLITION OF DECONTAMINATION PAD
SOIL-APPROXIMATELY 60 TONS/ CONC.-APPROX. 40 TONS. CONCRETE TO BE DEMOLISHED
INTO FRAGMENTS OF 12" OR LESS AND MIXED WITH SOIL FOR TRANSPORT
 4. Estimated Annual Volume: 100 ☒ Tons ☐ Yards ☐ Other (specify)
 5. Personal Protective Equipment Requirements: NONE
 6. Transporter/Transfer Station: TRANSPORTER: MANGIARDI BROS. TRUCKING, 4A-209
 7. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip 8, 9, & 10)..... ☐ YES ☒ NO
 8. Reportable Quantity (lbs.; kgs.): 9. Hazard Class/ID #:
 10. USDOT Shipping Name: CONTAMINATED DIRT, SOILS OR SAND, NON-HAZARDOUS, N816
☐ Check if additional information is attached. Indicate the number of attached pages:

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is the waste represented by this waste profile sheet a "Hazardous Waste," as defined by USEPA, Canadian, Mexican and/or state/province regulation, in the location where generated or ultimately managed?..... ☐ YES ☒ NO
2. Does the waste represented by this waste profile sheet contain regulated radioactive material or regulated concentrations of Polychlorinated Biphenyls (PCBs)?..... ☐ YES ☒ NO
3. Does this waste profile sheet and all attachments contain true and accurate descriptions of the waste material?..... ☒ YES ☐ NO
4. Has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?..... ☒ YES ☐ NO
5. Is the analytical data attached hereto derived from testing a representative sample in accordance with 40 CFR 261.20 (c) or equivalent rules?..... ☐ NA ☒ YES ☐ NO
6. Will all changes that occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?..... ☒ YES ☐ NO

Certification Signature: *Ernest A. Rice*Title: ConsultantName (Type or Print): Ernest A. RiceCompany Name: Stauffer MgmtDate: 9/9/99**D. WMI Management's Decision****FOR WMI USE ONLY**

1. Management Method: ☐ Landfill ☐ Solidify ☐ Bioremediation ☐ Other (Specify)
 2. Proposed Ultimate Management Facility: 3. Hours of acceptance: ☐ NA
 4. Supplemental Information:

 5. Precautions, Special Handling Procedures, or Limitations on Approval:

Special Waste Decision..... ☐ Approved ☐ DisapprovedSalesperson's Signature: Date: Division Approval Signature (Optional): Date: Special Waste Approvals Person Signature: Date:



GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Instructions

Information on this form is used to determine if the waste may be transported, treated, stored or disposed in a legal, safe, and environmentally sound manner. This information will be maintained in strict confidence. Answers must be provided for section A, B, and C and must be printed in ink or typed. A response of "None" or "NA" (not applicable) can be made if appropriate. If additional space is needed, indicate on the form that additional information is attached, and attach the information to the Generator's Waste Profile Sheet. If you have questions concerning this form, please contact the Contractor's sales representative.

A. Waste Generator Information

1. **Generator Name** - Enter the name of the facility where the waste is generated.
2. **SIC Code** - Enter the four digit Standard Industrial Classification Code for the facility where the waste is generated.
3. **Facility Street Address** - Enter the street address (not P.O. Box) of the facility where the waste is generated.
4. **Phone** - Enter Generator's area code and phone number.
5. **Facility City** - Enter the city where the waste is generated.
6. **State/Province** - Enter the state or province where the waste is generated.
7. **Zip/Postal Code** - Enter the generating facility's zip or postal code.
8. **Generator USEPA/Federal ID #** - Enter the identification number issued by the USEPA, Canadian, or Mexican Federal Agency to the facility generating the waste (if applicable).
9. **County** - Enter the county where the waste is generated.
10. **State/Province ID #** - Enter the identification number issued by the state or province to the facility generating the waste (if applicable).
11. **Customer Name** - Entity that the Contractor is directly working with regarding the represented waste stream. If the same as the Generator, mark "Same as Above".
12. **Customer Phone** - Enter technical contact's area code and telephone number.
13. **Customer Contact** - Enter the name of the person who can answer technical questions about the waste.
14. **Customer Fax** - Area code and facsimile number for the customer.

B. Waste Stream Information

1. **Name of Waste** - Enter a name generally descriptive of this waste (e.g., paint sludge, fluorescent bulbs).
2. **State Waste Code** - If applicable, the code assigned to the specific waste stream by the state regulatory agency.
3. **Process Generating Waste** - Describe the process generating the waste in detail. List the specific process/operation or source that generates the waste (e.g., incineration of municipal refuse, asbestos removal, wastewater treatment, building maintenance).
At a minimum, the Generator should answer the following questions in determining the process generating the waste.
 - What chemicals are stored and/or used at the facility?
 - Is the waste generated from the production/manufacturing of any of the following industries: wood preservation; inorganic pigments; organic pigments; pesticides; explosives; petroleum refining; iron and steel, copper, lead or zinc production?
 - Is the waste a result from degreasing, solvent parts cleaning, recovery/reclaiming of solvents (bottoms), wastewater treatment (sludges), or electroplating?
4. **Estimated Annual Volume** - Approximate volume in tons, yards, or other (e.g., drums, gallons) that will be received by the ultimate management facility. This volume amount is not intended for use in complying with state and/or permit restrictions.
5. **Personal Protective Equipment Requirements** - All personal protective equipment that is necessary to safely manage the waste stream.
6. **Transporter/Transfer Station** - Transporter and/or transfer station name.
7. **Is this a U.S. Department of Transportation (USDOT) hazardous material?** - Choose the appropriate response: yes or no.
8. **Reportable Quantity (lbs.; kgs.)** - If the answer to 7 is yes, enter the Reportable Quantity (RQ) established by 40 CFR 302.4 or equivalent Canadian or Mexican regulation for this waste. Indicate the appropriate units for the RQ.
9. **Hazard Class/ID #** - If the answer to 7 is yes, indicate the proper USDOT hazard class and identification number.
10. **USDOT Shipping Name** - If the answer to 7 is yes, enter the proper USDOT shipping name for the waste.

C. Generator's Certification

Indicate the appropriate response to questions/statements 1, 2, 3, 4, 5, and 6. By signing this Generator's Waste Profile Sheet, the Generator certifies the responses are true and accurate with respect to the waste stream(s) listed.

Certification Signature - Signature of an authorized employee of the Generator or representative of the generator if authorized in writing by the generator.

Title - Enter Employee's title.

Name - Print or Type Employee's name.

Company Name - Company employing the person certifying the Generator's Waste Profile Sheet.

Date - Enter the date this Generator's Waste Profile Sheet is signed.

D. WMI Management's Decision

To be completed by WMI

FOR WMI USE ONLY



Laboratory Analysis Report

For

Abscope Environmental Inc.

Project Number: 988115

LSL Project Number: 9906559

[Signature] *QDO* *09/02/99*

Reviewed By

Date

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc.

Life Science Laboratories, Inc.

Page 1 of 9

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

- LABORATORY ANALYSIS REPORT -

Open Environmental Inc.
Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906559
Report Date: 9/2/99

Sample ID: V1

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-001
Data Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			9/1/99	
EPA 8021A TCLP Volatiles				
Benzene	✓	ug/l	9/2/99	
Bromobenzene	✓	ug/l	9/2/99	
Bromochloromethane	✓	ug/l	9/2/99	
Bromodichloromethane	✓	ug/l	9/2/99	
Bromoform	✓	ug/l	9/2/99	
Bromomethane	✓	ug/l	9/2/99	
n-Butylbenzene	✓	ug/l	9/2/99	
sec-Butylbenzene	✓	ug/l	9/2/99	
tert-Butylbenzene	✓	ug/l	9/2/99	
Carbon tetrachloride	✓	ug/l	9/2/99	
Chlorobenzene	✓	ug/l	9/2/99	
Chloroethane	✓	ug/l	9/2/99	
Chloroform	✓	ug/l	9/2/99	
Chloromethane	✓	ug/l	9/2/99	
2-Chlorotoluene	✓	ug/l	9/2/99	
4-Chlorotoluene	✓	ug/l	9/2/99	
Dibromochloromethane	✓	ug/l	9/2/99	
1,2-Dibromo-3-chloropropane	✓	ug/l	9/2/99	
1,2-Dibromomethane(EDB)	✓	ug/l	9/2/99	
Dibromomethane	✓	ug/l	9/2/99	
1,2-Dichlorobenzene	✓	ug/l	9/2/99	
1,3-Dichlorobenzene	✓	ug/l	9/2/99	
1,4-Dichlorobenzene	✓	ug/l	9/2/99	
Dichlorodifluoromethane	✓	ug/l	9/2/99	
1,1-Dichloroethane	✓	ug/l	9/2/99	
1,2-Dichloroethane	✓	ug/l	9/2/99	

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NYS DOH ELAP No. 10248

- LA(RATORY ANALYSIS REPC

ops Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906559

Authorization:

Report Date: 9/2/99

1,1-Dichloroethene	△	ug/l	9/2/99
cis-1,2-Dichloroethene	△	ug/l	9/2/99
trans-1,2-Dichloroethene	△	ug/l	9/2/99
1,2-Dichloropropane	△	ug/l	9/2/99
1,3-Dichloropropane	△	ug/l	9/2/99
2,2-Dichloropropane	△	ug/l	9/2/99
1,1-Dichloropropene	△	ug/l	9/2/99
cis-1,3-Dichloropropene	△	ug/l	9/2/99
trans-1,3-Dichloropropene	△	ug/l	9/2/99
Ethyl benzene	△	ug/l	9/2/99
Hexachlorobutadiene	△	ug/l	9/2/99
Isopropylbenzene (Cumene)	△	ug/l	9/2/99
4-Isopropyl toluene (Cymene)	△	ug/l	9/2/99
Methylene chloride	△	ug/l	9/2/99
Naphthalene	△	ug/l	9/2/99
N-Propylbenzene	△	ug/l	9/2/99
Styrene	△	ug/l	9/2/99
1,1,1,2-Tetrachloroethane	△	ug/l	9/2/99
1,1,2,2-Tetrachloroethane	△	ug/l	9/2/99
Tetrachloroethane	△	ug/l	9/2/99
Toluene	△	ug/l	9/2/99
1,2,3-Trichlorobenzene	△	ug/l	9/2/99
1,2,4-Trichlorobenzene	△	ug/l	9/2/99
1,1,1-Trichloroethane	△	ug/l	9/2/99
1,1,2-Trichloroethane	△	ug/l	9/2/99
Trichloroethene	△	ug/l	9/2/99
Trichlorofluoromethane (Freon 11)	△	ug/l	9/2/99
1,2,3-Trichloropropane	△	ug/l	9/2/99
1,2,4-Trimethylbenzene	△	ug/l	9/2/99
1,3,5-Trimethylbenzene	△	ug/l	9/2/99
Vinyl chloride	△	ug/l	9/2/99
Xylenes (Total)	29	ug/l	9/2/99

Life Science Laboratories, Inc.

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NYS DOH ELAP No. 10248

- LA' RATORY ANALYSIS REPC T -

ope Environmental Inc.
Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906559
Report Date: 9/2/99

Sample ID: V2

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-002
Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			9/1/99	
EPA 8021A TCLP Volatiles				
Benzene	<	ug/l	9/2/99	
Bromobenzene	<	ug/l	9/2/99	
Bromochloromethane	<	ug/l	9/2/99	
Bromodichloromethane	<	ug/l	9/2/99	
Bromoform	<	ug/l	9/2/99	
Bromomethane	<	ug/l	9/2/99	
n-Butylbenzene	<	ug/l	9/2/99	
sec-Butylbenzene	<	ug/l	9/2/99	
tert-Butylbenzene	<	ug/l	9/2/99	
Carbon tetrachloride	<	ug/l	9/2/99	
Chlorobenzene	<	ug/l	9/2/99	
Chloroethane	<	ug/l	9/2/99	
Chloroform	<	ug/l	9/2/99	
Chloromethane	<	ug/l	9/2/99	
2-Chlorotoluene	<	ug/l	9/2/99	
4-Chlorotoluene	<	ug/l	9/2/99	
Dibromochloromethane	<	ug/l	9/2/99	
1,2-Dibromo-3-chloropropane	<	ug/l	9/2/99	
1,2-Dibromoethane (EDB)	<	ug/l	9/2/99	
Dibromomethane	<	ug/l	9/2/99	
1,2-Dichlorobenzene	<	ug/l	9/2/99	
1,3-Dichlorobenzene	<	ug/l	9/2/99	
1,4-Dichlorobenzene	<	ug/l	9/2/99	
Dichlorodifluoromethane	<	ug/l	9/2/99	
1,1-Dichloroethane	<	ug/l	9/2/99	
1,2-Dichloroethane	<	ug/l	9/2/99	

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NYS DOH ELAP No. 10248

- LAB RATORY ANALYSIS REPO

pe Environmental Inc.
Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906559

Authorization:

Report Date: 9/2/99

1,1-Dichloroethene	<S	ug/l	9/2/99
cis-1,2-Dichloroethene	<S	ug/l	9/2/99
trans-1,2-Dichloroethene	<S	ug/l	9/2/99
1,2-Dichloropropane	<S	ug/l	9/2/99
1,3-Dichloropropane	<S	ug/l	9/2/99
2,2-Dichloropropane	<S	ug/l	9/2/99
1,1-Dichloropropene	<S	ug/l	9/2/99
cis-1,3-Dichloropropene	<S	ug/l	9/2/99
trans-1,3-Dichloropropene	<S	ug/l	9/2/99
Ethyl benzene	<S	ug/l	9/2/99
Hexachlorobutadiene	<S	ug/l	9/2/99
Isopropylbenzene (Cumene)	<S	ug/l	9/2/99
4-Isopropyl toluene (Cymene)	<S	ug/l	9/2/99
Methylene chloride	<S	ug/l	9/2/99
Naphthalene	<S	ug/l	9/2/99
N-Propylbenzene	<S	ug/l	9/2/99
Styrene	<S	ug/l	9/2/99
1,1,1,2-Tetrachloroethane	<S	ug/l	9/2/99
1,1,2,2-Tetrachloroethane	<S	ug/l	9/2/99
Tetrachloroethene	<S	ug/l	9/2/99
Toluene	<S	ug/l	9/2/99
1,2,3-Trichlorobenzene	<S	ug/l	9/2/99
1,2,4-Trichlorobenzene	<S	ug/l	9/2/99
1,1,1-Trichloroethane	<S	ug/l	9/2/99
1,1,2-Trichloroethane	<S	ug/l	9/2/99
Trichloroethene	<S	ug/l	9/2/99
Trichlorofluoromethane (Freon 11)	<S	ug/l	9/2/99
1,2,3-Trichloropropane	<S	ug/l	9/2/99
1,2,4-Trimethylbenzene	<S	ug/l	9/2/99
1,3,5-Trimethylbenzene	<S	ug/l	9/2/99
Vinyl chloride	<S	ug/l	9/2/99
Xylenes (Total)	280	ug/l	9/2/99

Life Science Laboratories, Inc.

Page 5 of 9

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

- LABORATORY ANALYSIS REPORT -

pe Environmental Inc.
Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906559

Authorization:

Report Date: 9/2/99

Sample ID: SV1

Source: Maestri Site

LSL Sample ID: 9906559-003

Sample Matrix: SHW, 72hrs.

Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

Sample ID: SV2

Source: Maestri Site

LSL Sample ID: 9906559-004

Sample Matrix: SHW, 72hrs.

Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

Sample ID: SV3

Source: Maestri Site

LSL Sample ID: 9906559-005

Sample Matrix: SHW, 72hrs.

Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

Sample ID: SV4

Source: Maestri Site

LSL Sample ID: 9906559-006

Sample Matrix: SHW, 72hrs.

Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

Life Science Laboratories, Inc.

Page 6 of 9

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

- LA(RATORY ANALYSIS REPC

ope Environmental Inc.
J. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906559

Authorization:

Report Date: 9/2/99

Sample ID: SV5

Source: Maestri Site

Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-007

Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

Sample ID: Composite

Source: Maestri Site

Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-008

Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
A 1311 TCLP Extraction				
TCLP Non-Volatile Extraction			8/30/99	
EPA 6010 TCLP Metals				
Arsenic	<1	mg/l	9/1/99	
Barium	<5	mg/l	9/1/99	
Cadmium	<0.5	mg/l	9/1/99	
Chromium	<1	mg/l	9/1/99	
Lead	<1	mg/l	9/1/99	
Selenium	0.70	mg/l	9/1/99	
Silver	<1	mg/l	9/1/99	
EPA 7471 TCLP Mercury				
Mercury	<0.002	mg/l	9/2/99	
EPA 8270 TCLP Semi-Volatiles (B/N)				
Acenaphthene	<5	ug/l	8/31/99	
Acenaphthylene	<5	ug/l	8/31/99	
Anthracene	<5	ug/l	8/31/99	
Benzo(a)anthracene	<5	ug/l	8/31/99	
Benzo(b)fluoranthene	<5	ug/l	8/31/99	
Benzo(k)fluoranthene	<5	ug/l	8/31/99	
Benzo(ghi)perylene	<5	ug/l	8/31/99	
Benzo(a)pyrene	<5	ug/l	8/31/99	
4-Bromophenyl-phenylether	<5	ug/l	8/31/99	

Life Science Laboratories, Inc.

Page 7 of 9

5854 Buttercut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

- LSL LABORATORY ANALYSIS REPORT -

Slope Environmental Inc.

Box 487

Canastota, NY 13032

ATTN: John Hertzmann

Phone: (315) 697-9437

FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906559

Authorization:

Report Date: 9/2/99

Butylbenzylphthalate	<5	ug/l	8/31/99
Carbazole	<5	ug/l	8/31/99
4-Chloroaniline	<5	ug/l	8/31/99
bis(2-Chloroethoxy)methane	<5	ug/l	8/31/99
bis(2-Chloroethyl)ether	<5	ug/l	8/31/99
2-Chloronaphthalene	<5	ug/l	8/31/99
4-Chlorophenyl-phenylether	<5	ug/l	8/31/99
Chrysene	<5	ug/l	8/31/99
Dibenz(a,h)anthracene	<5	ug/l	8/31/99
Dibenzofuran	<5	ug/l	8/31/99
Di-n-butylphthalate	<5	ug/l	8/31/99
1,2-Dichlorobenzene	<5	ug/l	8/31/99
1,3-Dichlorobenzene	<5	ug/l	8/31/99
1,4-Dichlorobenzene	<5	ug/l	8/31/99
3,3'-Dichlorobenzidine	<10	ug/l	8/31/99
Diethylphthalate	<5	ug/l	8/31/99
Dimethylphthalate	<5	ug/l	8/31/99
2,4-Dinitrotoluene	<5	ug/l	8/31/99
2,6-Dinitrotoluene	<5	ug/l	8/31/99
Di-n-octylphthalate	<5	ug/l	8/31/99
bis(2-Ethylhexyl)phthalate	<5	ug/l	8/31/99
Fluoranthene	<5	ug/l	8/31/99
Fluorene	<5	ug/l	8/31/99
Hexachlorobenzene	<5	ug/l	8/31/99
Hexachlorobutadiene	<5	ug/l	8/31/99
Hexachlorocyclopentadiene	<5	ug/l	8/31/99
Hexachloroethane	<5	ug/l	8/31/99
Indene(1,2,3-c,d)pyrene	<5	ug/l	8/31/99
Isophorone	<5	ug/l	8/31/99
2-Methylnaphthalene	<5	ug/l	8/31/99
Naphthalene	<5	ug/l	8/31/99
2-Nitroaniline	<10	ug/l	8/31/99
3-Nitroaniline	<10	ug/l	8/31/99
4-Nitroaniline	<10	ug/l	8/31/99
Nitrobenzene	<5	ug/l	8/31/99

Life Science Laboratories, Inc.

Page 8 of 9

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

- L / DRATORY ANALYSIS REP

Cooper Environmental Inc.
Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-3437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906559

Authorization:

Report Date: 9/2/99

N-Nitrosodiphenylamine	<S	ug/l	8/31/99
N-Nitroso-di-n-propylamine	<S	ug/l	8/31/99
Phenanthrene	<S	ug/l	8/31/99
1,2,4-Trichlorobenzene	<S	ug/l	8/31/99
Pyrene	<S	ug/l	8/31/99

Life Science Laboratories, Inc.

Page 9 of 9

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

ABSCOPE
ENVIRONMENTAL, INC.

P.O. Box 487
Canastota, N.Y. 13032
(315) 697-8437
FAX (315) 697-9391

October 12, 1999

Stauffer Management Co.
1800 Concord Pike
Wilmington, DE 19850-5438

Attn: Everett Rice

Re: 904 State Fair Boulevard
Syracuse, New York

Dear Mr. Rice,

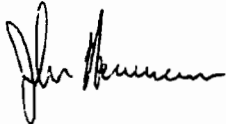
Enclosed please find two (2) copies of the following
concrete disposal documentation concerning the above
referenced site.

- * Bill of Ladings
- * Weight Tickets
- * Analytical Report

One (1) copy is for your records and one (1) is for the New
York State Department of Environmental Conservation (NYSDEC).

If you have any questions, please do not hesitate to contact
me.

Sincerely,
Abscope Environmental, Inc.



John Herrmann
Project Manager

Wigdeler

Across Landfill and Recycling Center Data: 10/11/1999 Ticket: 38517
LOADS MUST BE TARPED OR TIED DOWN Time In: 09:11 Time Out: 09:20
NO EXCEPTIONS TO THE RULE!!!!!! Grid: Cell 5 Western Expansion
Profile#: 547594 STAUFFER MGMT-CONCRE
Charge#:

Manifest: 2428 Advf:

Origin: ONONDAGA

Generator#: 1047 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Bill to: 1594 ABSCOPE ENV-STAUFFER MGMT

, NY

Gross: 69260 PB Lbs

Tare: 28080 PB Lbs

Net: 41180

Tons: 20.59

Quantity: 0.00

Mixed %: 100.00

Code	Description	Quantity	Type	Rate	Amount
06	Demolition/- Landfill	20.59	T		

PO:

Ticket Clerk

PPS

Driver

SCOPE

MENTAL, INC.

DOCUMENT

2428

AEI JOB NO. 988115

NYSDEC 384 Form No. 7A-402

STRAIGHT BILL OF LADING

TRANSPORTER: SICCELY ENTERPRISES, INC.

VEHICLE ID # 40

TRANS. 1 PHONE 315/433-5115

TRANSPORTER 2

VEHICLE ID #

TRANS. 2 PHONE

DESIGNATION		SHIPPER	
HAZARDOUS		STAUFFER MANAGEMENT CO.	
FACILITY		SHIPPER EPA ID #	
		NYD982796914	
ADDRESS		ADDRESS	
STANTON PARKWAY		904 STATE FAIR BOULEVARD	
CITY	STATE ZIP	CITY	STATE ZIP
	NY 14438	SYRACUSE	NY 13209
CONT. NO.	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WTNOL
A.	CONCRETE DRAIN	20	TONS
B.	NON-HAZARDOUS		
C.			
D.			
E.			
F.			
SPECIAL HANDLING INSTRUCTIONS		EMERGENCY NUMBER 1-800-273-5310	
		APPROVAL # 547594	
TIME DEPARTED SHOP	TIME ON SITE	TIME LEFT SITE	TIME RETURN TO SHOP
CUSTOMER SIGNATURE			

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT	SIGN	DATE
STAUFFER			10/11/99
TRANSPORTER 1	PRINT	SIGN	DATE
FRANK J. SERT			10/11/99
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE
Lynn Okay			10/11/99

WHITE - OFFICE YELLOW - SHIPPER PINK - TSCF GOLD - OFFICE

OCT-12-1999 01:32 PM 742235541368

3154331920

P.01

127.99T
CS

Across Landfill and Recycling Center Date: 10/11/1999 Ticket: 38518
ALL LOADS MUST BE TARPED OR TIED DOWN Time In: 09:13 Time Out: 09:25
NO EXCEPTIONS TO THE RULE!!!!!!!!!!!!!! Grid: Cell 5 Western Expansion

Manifest: 2429 Admf:

Profile#: 547594 STAUFFER MGMT-CONCRE
Charge#:

Origin: ONONDAGA

Generator: 1847 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Truck: 91 Trailer:

Bill to: 1594

ABSCOPE ENV-STAUFFER MGMT

, NY

Gross: 72580 PB Lbs

Tons: 22.52

Nare: 27540 PB Lbs

Quantity: 10.00

Net: 45040

Mixed %: 100.00

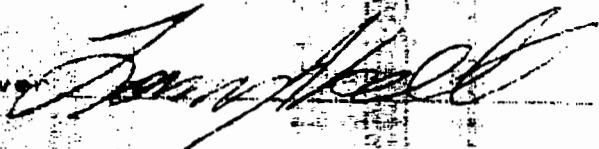
Code	Description	Quantity	Type	Rate	Amount
16	Demolition - Landfill	22.52	T		

0:

Ticket Clerk

PFS

Driver



ABSCOPE ENVIRONMENTAL, INC.

1 Commercial Dr.
PO Box 487
Canastota, NY 13032
(315) 697-8437
FAX (315) 697-8881

STRAIGHT BILL OF LADING

DOCUMENT

2422

TRANSPORTER 1 DISCHIELLI ENTERPRISES, INC.
EPA ID # N/A

VEHICLE ID # 91
TRANS. 1 PHONE 315-433-9111

TRANSPORTER 2 _____
EPA ID # _____

VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY HIGH ACRES LANDFILL				SHIPPER STANLEY INDUSTRIAL HEAT CO.			
FACILITY EPA ID # N/A				SHIPPER EPA ID # N/A			
ADDRESS 425 PERINGTON PARKWAY				ADDRESS 304 CATERPILLAR BOULEVARD			
CITY FAIRPORT		STATE NY		ZIP 14450		CITY SYRACUSE	
STATE NY		ZIP 13209					
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS			TOTAL QUANTITY	UNIT WT/VOL
1	DT		CONCRETE DEBRIS NON-HAZARDOUS N899			20	TONS
			A.				
			B.				
			C.				
			D.				
			E.				
			F.				
SPECIAL HANDLING INSTRUCTIONS				EMERGENCY NUMBER 1-800-455-6111 APPROVAL # 547596			
TIME DEPARTED SHOP		TIME ON SITE		TIME LEFT SITE		TIME RETURN TO SHOP	
CUSTOMER SIGNATURE							

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT STANLEY	SIGN [Signature]	DATE
TRANSPORTER 1	PRINT Lenny Kersch	SIGN [Signature]	DATE 10-11-99
TRANSPORTER 2	PRINT [Blank]	SIGN [Blank]	DATE
RECEIVED BY	PRINT Lynn O'Leary	SIGN [Signature]	DATE 10-11-99

WHITE - OFFICE

YELLOW - SHIPPER

PINK - TSDF

GOLD - OFFICE

Across Landfill and Recycling Center
LOADS MUST BE TARPED OR TIED DOWN
NO EXCEPTIONS TO THE RULE!!!!!!

Date: 10/11/1999 Ticket: 38527
Time In: 09:29 Time Out: 09:44
Grid: Cell 5 Western Expansion
Profile#: 047394 STAUFFER MGMT-CONCRE
Charge#:

Manifest: 2430 Advf:

Origin: ONONDAGA

Generator#: 1047 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Truck: 66

Trailer:

Bill to: 1594

ABSCOPE ENV-STAUFFER MGMT

, NY

Gross: 73580 PB Lbs

Tons: 22.57

Tare: 28440 PB Lbs

Quantity: 100.00

Net: 45140

Mixed %: 100.00

Code	Description	Quantity	Type	Rate	Amount
06	Demolition - Landfill	22.57	T		

PO:

Ticket Clerk

PPS

Driver

Paul White

ABSCOPE
ENVIRONMENTAL, INC.

DOCUMENT

2430

AED JOB NO. 988115

NYSDEC 364 Permt No. 7A-402

STRAIGHT BILL OF LADING

TRANSPORTER 1 RICCELLI ENTERPRISES, INC.

EPA ID # N/A

VEHICLE ID # 68

TRANS 1 PHONE 315/433-5115

TRANSPORTER 2

EPA ID #

VEHICLE ID #

TRANS 2 PHONE

DISPOSAL FACILITY
 LANDFILLSHIPPER
 STAUFFER MANAGEMENT CO.

EPA ID #

SHIPPER EPA ID #
 NYD982796914ADDRESS
 PARKWAYADDRESS
 904 STATE FARM BOULEVARDCITY
 STATE NY ZIP 14450

CITY SYRACUSE STATE NY ZIP 13209

CONTAINER NO.	SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1	20	DR	A	CONCRETE DEBRIS NON-HAZARDOUS MB99	20	TONS
			B			
			C			
			D			
			E			
			F			

SPECIAL HANDLING INSTRUCTIONS
 EMERGENCY NUMBER 1-800-273-5318
 APPROVAL # 547594

TIME DEPARTED SHOP TIME ON SITE TIME LEFT SITE TIME RETURN TO SHOP

CUSTOMER SIGNATURE

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT STAUFFER	SIGN <i>[Signature]</i>	DATE 10/1/99
TRANSPORTER 1	PRINT Gerald K. Welch	SIGN <i>[Signature]</i>	DATE 10/1/99
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Lynn O'Leary	SIGN <i>[Signature]</i>	DATE 10/1/99

WHITE - OFFICE YELLOW - SHIPPER PINK - TSOFF GOLD - OFFICE

Across Landfill and Recycling Center
 LOADS MUST BE TARPED OR TIED DOWN
 NO EXCEPTIONS TO THE RULE!

Date: 10/11/1999 Ticket: 38588
 Time In: 12:37 Time Out: 12:50
 Grid: Cell 5 Western Expansion
 Profile#: 547594 STAUFFER MGMT-CONCRE
 Charge#:

Manifest: 2421 Advf:
 Origin: ONONDAGA

Generator#: 1047 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Bill to: 1594

ABSCOPE ENV-STAUFFER MGMT
 , NY

Truck: R00 Trailer:

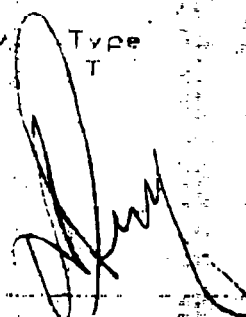
Gross: 72380 PB Lbs
 Tare: 27760 PB Lbs
 Net: 44620

Tons: 22.31
 Quantity: 22.31
 Meters: 100.00

Code	Description	Quantity	Type	Rate	Amount
06	Demolition - Landfill	22.31	T		

001

Ticket Clerk: PPS Driver





1 Commercial Dr.
PO Box 487
Canastota, NY 13022
(315) 362-5457
FAX (315) 362-5458

STRAIGHT BILL OF LADING

DOCUMENT

2431

ABI JOB NO. 986115

NYSDEC 384 Permit No. 7A-402

TRANSPORTER 1 RIGGELLI ENTERPRISES, INC.EPA ID # N/AVEHICLE ID # 40TRANS. 1 PHONE 315/433-5115

TRANSPORTER 2

EPA ID #

VEHICLE ID #

TRANS. 2 PHONE

DESTINATION <u>LANDFILL</u>		SHIPPER <u>STAUFFER MANAGEMENT CO.</u>	
SHIPPER EPA ID # <u>NY0382756914</u>			
ADDRESS <u>904 STATE FAIR BOULEVARD</u>			
STATE <u>NY</u>	ZIP <u>13209</u>	CITY <u>SYRACUSE</u>	STATE <u>NY</u>
			ZIP <u>13209</u>
	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
A.	<u>NON-FLAMMABLE</u>	<u>20</u>	<u>TONS</u>
B.			
C.			
D.			
E.			
F.			
SPECIAL HANDLING INSTRUCTIONS		EMERGENCY NUMBER <u>1-800-273-5318</u>	
		APPROVAL # <u>247594</u>	
TIME DEPARTED SHOP		TIME ON SITE	TIME LEFT SITE
CUSTOMER SIGNATURE		TIME RETURN TO SHOP	

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <u>STAUFFER</u>	SIGN <u>[Signature]</u>	DATE <u>10/1/99</u>
TRANSPORTER 1 <u>HENRY</u>	SIGN <u>[Signature]</u>	DATE <u>10/1/99</u>
TRANSPORTER 2	SIGN	DATE
RECEIVED BY <u>Lina O'Leary</u>	SIGN <u>[Signature]</u>	DATE <u>10/1/99</u>

WHITE - OFFICE

YELLOW - SHIPPER

PINK - TSCF

GOLD - OFFICE

High Acres Landfill and Recycling Center Date: 10/11/1999 Ticket: 38593
ALL LOADS MUST BE TARPED OR TIED DOWN Time In: 12:56 Time Out: 13:00
NO EXCEPTIONS TO THE RULE!!!!!!!!!!!!!! Grid: Cell 5 Western Expansion

Manifest: 2432 Advf:

Profile#: 547594 STAUFFER MGMT-CONCRE

Charge#:

Origin: ONONDAGA

Generator#: 1047 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Truck: 91

Trailer:

Bill to: 1594

ABSCOPE ENV-STAUFFER MGMT

, NY

Gross: 67340 PB Lbs

Tons: 19.97

Tare: 27400 PB Lbs

Quantity: 0.00

Net: 39940

Mixed %: 100.00

Code	Description	Quantity	Type	Rate	Amount
06	Demolition - Landfill	19.97	T		

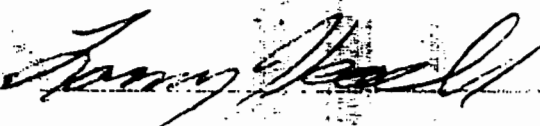
20

CO:

Ticket Clerk

PPS

Driver



ABSCOPE**ENVIRONMENTAL, INC.**

DOCUMENT

2432

1 Commercial Dr.
PO Box 487
Canastota, NY 13032
(315) 697-8437
FAX (315) 697-9391

STRAIGHT BILL OF LADINGAEI JOB NO. **988115**NYSDEC 364 Permit No. **7A-402**

TRANSPORTER 1 **RICCELLI ENTERPRISES, INC.**
EPA ID # **N/A**

VEHICLE ID # **91**
TRANS. 1 PHONE **315/433-5115**

TRANSPORTER 2
EPA ID #

VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY HIGH ACRES LANDFILL			SHIPPER STAUFFER MANAGEMENT CO.		
FACILITY EPA ID # N/A			SHIPPER EPA ID # NYD982796914		
ADDRESS 425 PERINGTON PARKWAY			ADDRESS 904 STATE FAIR BOULEVARD		
CITY FAIRPORT		STATE NY	ZIP 14450	CITY SYRACUSE	
STATE NY		STATE NY		ZIP 13209	
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
1	DT		A. CONCRETE DEBRIS NON-HAZARDOUS N899		20
			B.		
			C.		
			D.		
			E.		
			F.		
SPECIAL HANDLING INSTRUCTIONS EMERGENCY NUMBER 1-800-273-5318 APPROVAL # 547594					
TIME DEPARTED SHOP _____ TIME ON SITE _____ TIME LEFT SITE _____ TIME RETURN TO SHOP _____					
CUSTOMER SIGNATURE _____					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER STAUFFER MGT CO	PRINT STAUFFER MGT CO	SIGN <i>[Signature]</i>	DATE 10/11/99
TRANSPORTER 1 Conny Keach	PRINT Conny Keach	SIGN <i>[Signature]</i>	DATE 10-11-99
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

WHITE - OFFICE

YELLOW - SHIPPER

PINK - TSDF

GOLD - OFFICE

TIME DEPARTED SHOP _____ TIME ON SITE _____ TIME LEFT SITE _____ TIME RETURN TO SHOP _____

CUSTOMER SIGNATURE _____

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT STANLEY	SSN [Signature]	DATE 10/11/91
TRANSPORTER 1	PRINT [Signature]	SSN [Signature]	DATE 12-11-97
TRANSPORTER 2	PRINT [Signature]	SSN [Signature]	DATE [Signature]
RECEIVED BY	PRINT Lynn D. [Signature]	SSN [Signature]	DATE 10/11/91

WHITE - OFFICE YELLOW - SHIPPER PINK - TSDF GOLD - OFFICE

130 Acres Landfill and Recycling Center
 ALL LOADS MUST BE TARPED OR TIED DOWN
 NO EXCEPTIONS TO THE RULE! !!!!!!!!!!!!!

Date: 10/11/99 Ticket: 38600
 Time In: 12:30 Time Out: 13:30
 Grid: 01: 100000 Expansion

Profile: 0472000 STAUFFER MGMT-CONCRE
 Charge#:

Manifest: 2433 AdvF:

Origin: ONONDAGA

Generator: 1047 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Bill to: 1594 ABSCOPE ENV-STAUFFER MGMT

, NY

Gross: 56000 PB Lbs

Tare: 20200 PB Lbs

Net: 27800

Tons: 12.54

Quantity: 0.00

Mixed %: 100.00

Code	Description	Quantity	Type	Rate	Amount
06	Demolition - Landfill	13.54	T		

Quantity

13.54

Type

T

Rate

Amount

PO:

Ticket Clerk

RPS

Driver

[Handwritten signature]

ABSCOPE ENVIRONMENTAL, INC.

1 OGDON ROAD
PO BOX 307
CANTON, NY 13622
(315) 997-8837
FAX (315) 997-8891

STRAIGHT BILL OF LADING

DOCUMENT

2433

AEI JOB NO. 988115

NYSDEC 364 Permit No. 7A 402

TRANSPORTER 1 BICCELLI ENTERPRISES, INC.
EPA ID # N/A

VEHICLE ID # 68
TRANSPHONE 315/433-5115

TRANSPORTER 2
EPA ID #

VEHICLE ID #
TRANSPHONE

DESIGNATED FACILITY HIGH ACRES LANDFILL		SHIPPER STAUFFER MANAGEMENT CO.	
FACILITY EPA ID # N/A		SHIPPER EPA ID # NYD982796914	
ADDRESS 425 PERKINSON PARKWAY		ADDRESS 904 STATE FAIR BOULEVARD	
CITY SYRACUSE	STATE NY	ZIP 14430	CITY SYRACUSE
STATE NY		ZIP 13209	
DESCRIPTION OF MATERIALS		TOTAL QUANTITY	UNIT WT/VOL
A. CONCRETE DEBRIS NON-HAZARDOUS N699		20	TONS
B.			
C.			
D.			
E.			
F.			
SPECIAL HANDLING INSTRUCTIONS			
EMERGENCY NUMBER 1-800-273-5313 APPROVAL # 547594			
TIME DEPARTED SHOP _____ TIME ON SITE _____ TIME LEFT SITE _____ TIME RETURN TO SHOP _____			
CUSTOMER SIGNATURE _____			

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT STAUFFER Mgmt Co	SIGN <i>[Signature]</i>	DATE 10/1/99
TRANSPORTER 1	PRINT Gerald R Welsh	SIGN <i>[Signature]</i>	DATE 10/1/99
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Linda Wray	SIGN <i>[Signature]</i>	DATE 10/1/99

WHITE - OFFICE

YELLOW - SHIPPER

PINK - TSO

GOLD - OFFICE



Revised Laboratory Analysis Report

For

Abscope Environmental Inc.

Project Number: 988115

LSL Project Number: 9907543

Reviewed By _____ Date 12/7/99

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc.

-- REVISED LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Concrete Pad

Project No.: 988115

Source: Maestri Site, 904 State Fair Boulevard

LSL Sample ID: 9907543-001

Sample Matrix: SHW, 72hrs

Authorization:

LSL Project No.: 9907543

Date Sampled: 9/30/99

Revised Report Date: 10/7/99

Original Report Date: 10/5/99

Analytical Method		Results	Units	Analysis Date	Comment
Parameter(s)					
EPA 1311 TCLP Extraction					
	TCLP Non-Volatile Extraction			10/1/99	
EPA 1311 TCLP Z.H. Extraction					
	TCLP Zero Headspace Extraction			10/1/99	
EPA 6010 TCLP Metals					
	Arsenic	<1	mg/l	10/1/99	
	Barium	<5	mg/l	10/1/99	
	Cadmium	<0.5	mg/l	10/1/99	
	Chromium	<1	mg/l	10/1/99	
	Lead	<1	mg/l	10/1/99	
	Selenium	<0.5	mg/l	10/1/99	
	Silver	<1	mg/l	10/1/99	
EPA 7471 TCLP Mercury					
	Mercury	<0.002	mg/l	10/5/99	
EPA 8021A TCLP Volatiles					
	Benzene	<5	ug/l	10/2/99	
	Bromobenzene	<5	ug/l	10/2/99	
	Bromochloromethane	<5	ug/l	10/2/99	
	Bromodichloromethane	<5	ug/l	10/2/99	
	Bromoform	<5	ug/l	10/2/99	
	Bromomethane	<5	ug/l	10/2/99	
	n-Butylbenzene	<5	ug/l	10/2/99	
	sec-Butylbenzene	<5	ug/l	10/2/99	
	tert-Butylbenzene	<5	ug/l	10/2/99	
	Carbon tetrachloride	<5	ug/l	10/2/99	
	Chlorobenzene	<5	ug/l	10/2/99	
	Chloroethane	<5	ug/l	10/2/99	
	Chloroform	<5	ug/l	10/2/99	
	Chloromethane	<5	ug/l	10/2/99	

Life Science Laboratories, Inc.

Page 2 of 6

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- REVISED LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Concrete Pad

Project No.: 988115

Source: Maestri Site, 904 State Fair Boulevard

LSL Sample ID: 9907543-001

Sample Matrix: SHW, 72hrs

Authorization:

LSL Project No.: 9907543

Date Sampled: 9/30/99

Revised Report Date: 10/7/99

Original Report Date: 10/5/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
2-Chlorotoluene	<5	ug/l	10/2/99	
4-Chlorotoluene	<5	ug/l	10/2/99	
Dibromochloromethane	<5	ug/l	10/2/99	
1,2-Dibromo-3-chloropropane	<5	ug/l	10/2/99	
1,2-Dibromoethane(EDB)	<5	ug/l	10/2/99	
Dibromomethane	<5	ug/l	10/2/99	
1,2-Dichlorobenzene	<5	ug/l	10/2/99	
1,3-Dichlorobenzene	<5	ug/l	10/2/99	
1,4-Dichlorobenzene	<5	ug/l	10/2/99	
Dichlorodifluoromethane	<5	ug/l	10/2/99	
1,1-Dichloroethane	<5	ug/l	10/2/99	
1,2-Dichloroethane	<5	ug/l	10/2/99	
1,1-Dichloroethene	<5	ug/l	10/2/99	
cis-1,2-Dichloroethene	<5	ug/l	10/2/99	
trans-1,2-Dichloroethene	<5	ug/l	10/2/99	
1,2-Dichloropropane	<5	ug/l	10/2/99	
1,3-Dichloropropane	<5	ug/l	10/2/99	
2,2-Dichloropropane	<5	ug/l	10/2/99	
1,1-Dichloropropene	<5	ug/l	10/2/99	
cis-1,3-Dichloropropene	<5	ug/l	10/2/99	
trans-1,3-Dichloropropene	<5	ug/l	10/2/99	
Ethyl benzene	<5	ug/l	10/2/99	
Hexachlorobutadiene	<5	ug/l	10/2/99	
Isopropylbenzene (Cumene)	<5	ug/l	10/2/99	
4-Isopropyl toluene (Cymene)	<5	ug/l	10/2/99	
Methylene chloride	8.0	ug/l	10/2/99	(12)
(12) Laboratory contamination is suspected.				
Naphthalene	<5	ug/l	10/2/99	
N-Propylbenzene	<5	ug/l	10/2/99	

Life Science Laboratories, Inc.

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5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- REVISED LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Concrete Pad

Project No.: 988115

Source: Maestri Site, 904 State Fair Boulevard

LSL Sample ID: 9907543-001

Sample Matrix: SHW, 72hrs

Authorization:

LSL Project No.: 9907543

Date Sampled: 9/30/99

Revised Report Date: 10/7/99

Original Report Date: 10/5/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
Styrene	<5	ug/l	10/2/99	
1,1,1,2-Tetrachloroethane	<5	ug/l	10/2/99	
1,1,2,2-Tetrachloroethane	<5	ug/l	10/2/99	
Tetrachloroethene	<5	ug/l	10/2/99	
Toluene	<5	ug/l	10/2/99	
1,2,3-Trichlorobenzene	<5	ug/l	10/2/99	
1,2,4-Trichlorobenzene	<5	ug/l	10/2/99	
1,1,1-Trichloroethane	<5	ug/l	10/2/99	
1,1,2-Trichloroethane	<5	ug/l	10/2/99	
Trichloroethene	<5	ug/l	10/2/99	
Trichlorofluoromethane (Freon 11)	<5	ug/l	10/2/99	
1,2,3-Trichloropropane	<5	ug/l	10/2/99	
1,2,4-Trimethylbenzene	<5	ug/l	10/2/99	
1,3,5-Trimethylbenzene	<5	ug/l	10/2/99	
Vinyl chloride	<5	ug/l	10/2/99	
Xylenes (Total)	<5	ug/l	10/2/99	
EPA 8270 TCLP Semi-Volatiles (B/N)				
Acenaphthene	<5	ug/l	10/1/99	
Acenaphthylene	<5	ug/l	10/1/99	
Anthracene	<5	ug/l	10/1/99	
Benzo(a)anthracene	<5	ug/l	10/1/99	
Benzo(b)fluoranthene	<5	ug/l	10/1/99	
Benzo(k)fluoranthene	<5	ug/l	10/1/99	
Benzo(ghi)perylene	<5	ug/l	10/1/99	
Benzo(a)pyrene	<5	ug/l	10/1/99	
4-Bromophenyl-phenylether	<5	ug/l	10/1/99	
Butylbenzylphthalate	<5	ug/l	10/1/99	
Carbazole	<5	ug/l	10/1/99	
4-Chloroaniline	<5	ug/l	10/1/99	

Life Science Laboratories, Inc.

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5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- REVISED LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Concrete Pad

Project No.: 988115

Source: Maestri Site, 904 State Fair Boulevard

LSL Sample ID: 9907543-001

Sample Matrix: SHW, 72hrs

Authorization:

LSL Project No.: 9907543

Date Sampled: 9/30/99

Revised Report Date: 10/7/99

Original Report Date: 10/5/99

Analytical Method		Results	Units	Analysis Date	Comment
Parameter(s)					
bis(2-Chloroethoxy)methane		<5	ug/l	10/1/99	
bis(2-Chloroethyl)ether		<5	ug/l	10/1/99	
2-Chloronaphthalene		<5	ug/l	10/1/99	
4-Chlorophenyl-phenylether		<5	ug/l	10/1/99	
Chrysene		<5	ug/l	10/1/99	
Dibenz(a,h)anthracene		<5	ug/l	10/1/99	
Dibenzofuran		<5	ug/l	10/1/99	
Di-n-butylphthalate		<5	ug/l	10/1/99	
1,2-Dichlorobenzene		<5	ug/l	10/1/99	
1,3-Dichlorobenzene		<5	ug/l	10/1/99	
1,4-Dichlorobenzene		<5	ug/l	10/1/99	
3,3'-Dichlorobenzidine		<10	ug/l	10/1/99	
Diethylphthalate		<5	ug/l	10/1/99	
Dimethylphthalate		<5	ug/l	10/1/99	
2,4-Dinitrotoluene		<5	ug/l	10/1/99	
2,6-Dinitrotoluene		<5	ug/l	10/1/99	
Di-n-octylphthalate		<5	ug/l	10/1/99	
bis(2-Ethylhexyl)phthalate		<5	ug/l	10/1/99	
Fluoranthene		<5	ug/l	10/1/99	
Fluorene		<5	ug/l	10/1/99	
Hexachlorobenzene		<5	ug/l	10/1/99	
Hexachlorobutadiene		<5	ug/l	10/1/99	
Hexachlorocyclopentadiene		<5	ug/l	10/1/99	
Hexachloroethane		<5	ug/l	10/1/99	
Indeno(1,2,3-c,d)pyrene		<5	ug/l	10/1/99	
Isophorone		<5	ug/l	10/1/99	
2-Methylnaphthalene		<5	ug/l	10/1/99	
Naphthalene		<5	ug/l	10/1/99	
2-Nitroaniline		<10	ug/l	10/1/99	

Life Science Laboratories, Inc.

Page 5 of 6

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- REVISED LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Concrete Pad
Project No.: 988115
Source: Maestri Site, 904 State Fair Boulevard
LSL Sample ID: 9907543-001
Sample Matrix: SHW, 72hrs

Authorization:
LSL Project No.: 9907543
Date Sampled: 9/30/99
Revised Report Date: 10/7/99
Original Report Date: 10/5/99

Analytical Method		Results	Units	Analysis Date	Comment
Parameter(s)					
3-Nitroaniline		<10	ug/l	10/1/99	
4-Nitroaniline		<10	ug/l	10/1/99	
Nitrobenzene		<5	ug/l	10/1/99	
N-Nitrosodiphenylamine		<5	ug/l	10/1/99	
N-Nitroso-di-n-propylamine		<5	ug/l	10/1/99	
Phenanthrene		<5	ug/l	10/1/99	
1,2,4-Trichlorobenzene		<5	ug/l	10/1/99	
Pyrene		<5	ug/l	10/1/99	



Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057

Phone # (315) 445-1105

Telefax # (315) 445-1301

Chain of Custody Record

Client: AGSCOPE ENVIRONMENTAL Phone # 315/677-8437

Address: 1 COMMERCIAL DRIVE Telefax# 315/677-9591
P.O. Box 487
CANASTOTA, NY

Contact Person:

Authorization:

LSL Project #:

4907543

Turnaround Time

(Please circle one)

Client's Site I.D.: MAESTRI SITE
904 STATE FAIR BOULEVARD

24 Hr 48 Hr

72 Hr 1 Week

Client's Project I.D.: 988115

2 Weeks 3 Weeks

Client's Sample Identifications	Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv. Check	LSL ID#
			grab	comp.			#	size/type			
CONCRETE PAD	9/30/99	8:15 AM		✓	CONC. SURF.	NONE	3	806 JARS	EPA 8021 BY TELP EPA 8270 (B/N) BY TELP BICRA METALS BY TELP		001

Notes and Hazard Identifications:

-Full Lot 8021/8270 (B/N)

Custody Transfers

Date Time

Sampled By:

[Signature]

Received By:

Relinquished By:

[Signature]

Received By:

Relinquished By:

Received for Lab By:

[Signature]

9-30-99 0905

Shipment Method:

Samples Received Intact: Y N

ABSCOPE
ENVIRONMENTAL, INC.

P.O. Box 487
Canastota, N.Y. 13032
(315) 697-8437
FAX (315) 697-9391

September 20, 1999

Stauffer Management Co.
1800 Concord Pike
Wilmington, Delaware 19850-5438

Attn: Everett Rice

Re: 904 State Fair Boulevard
Syracuse, New York

Dear Mr. Rice,

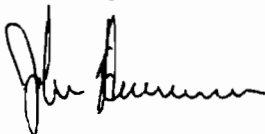
Enclosed please find two (2) copies of the following drum disposal documentation concerning the above referenced site.

- * Bill of Ladings
- * Analytical Reports

One (1) copy is for your records and one (1) is for the New York State Department of Environmental Conservation (NYSDEC).

If you have any questions, please do not hesitate to contact me.

Sincerely,
Abscope Environmental, Inc.



John Herrmann
Project Manager

ABSCOPE ENVIRONMENTAL, INC.

DOCUMENT

2390

1 Commercial Dr.
PO Box 487
Canastota, NY 13032
(315) 697-8437
FAX (315) 697-9391

STRAIGHT BILL OF LADINGAEI JOB NO. 988115NYSDEC 364 Permit No. 7A-369

TRANSPORTER 1 ABSCOPE ENVIRONMENTAL, INC.
EPA ID # NY0000057444

VEHICLE ID # _____
TRANS. 1 PHONE 3157697-8437

TRANSPORTER 2 _____
EPA ID # _____

VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>INDUSTRIAL OIL TANK SERVICES</u>			SHIPPER <u>STAUFFER MANAGEMENT CO.</u>		
FACILITY EPA ID # <u>NYR000005298</u>			SHIPPER EPA ID # <u>N/A</u>		
ADDRESS <u>120 DRY ROAD</u>			ADDRESS <u>904 STATE FAIR BLVD.</u>		
CITY <u>ORISKANY</u>		STATE <u>NY</u>	ZIP <u>13424</u>	CITY <u>SYRACUSE</u>	
STATE <u>NY</u>		ZIP <u>13209</u>			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
<u>6 x</u>	<u>DM</u>		<u>A. CONTAMINATED DIRT, SOILS OR SAND</u> <u>NON-HAZARDOUS N816</u>		<u>400</u>
			<u>B.</u>		
			<u>C.</u>		
			<u>D.</u>		
			<u>E.</u>		
			<u>F.</u>		
SPECIAL HANDLING INSTRUCTIONS <u>EMERGENCY NUMBER 1-800-273-5318</u>					
TIME DEPARTED SHOP _____ TIME ON SITE _____ TIME LEFT SITE _____ TIME RETURN TO SHOP _____					
CUSTOMER SIGNATURE _____					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>Everett H Rice (Stauffer Rep)</u>	SIGN <u>Everett H Rice</u>	DATE <u>9-13-99</u>
TRANSPORTER 1	PRINT <u>Scott Mudge</u>	SIGN <u>Scott Mudge</u>	DATE <u>9/13/99</u>
TRANSPORTER 2	PRINT <u>Brett D. Field</u>	SIGN <u>Brett D. Field</u>	DATE <u>9/15/99</u>
RECEIVED BY	PRINT <u>Brett D. Field</u>	SIGN <u>Brett D. Field</u>	DATE <u>9/15/99</u>

WHITE - OFFICE YELLOW - SHIPPER PINK - TSDF GOLD - OFFICE

ABSCOPE ENVIRONMENTAL, INC.

DOCUMENT

2391

1 Commercial Dr.
PO Box 487
Canastota, NY 13032
(315) 697-8437
FAX (315) 697-9391

STRAIGHT BILL OF LADINGAEI JOB NO. 988115NYSDEC 364 Permit No. 7A-369TRANSPORTER 1 ABSCOPE ENVIRONMENTAL, INC.

VEHICLE ID # _____

EPA ID # NY0000097444TRANS. 1 PHONE 315/697-8437

TRANSPORTER 2 _____

VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY INDUSTRIAL OIL TANK SERVICES			SHIPPER STAUFFER MANAGEMENT CO.		
FACILITY EPA ID # NYR000005298			SHIPPER EPA ID # N/A		
ADDRESS 120 DRY ROAD			ADDRESS 904 STATE FAIR BLVD.		
CITY ORISKANY		STATE NY	ZIP 13424	CITY SYRACUSE	
STATE NY		ZIP 13209			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
24	DM		A. SPENT ACTIVATED CARBON NON-HAZARDOUS N864	200	POUNDS
			B.		
			C.		
			D.		
			E.		
			F.		
SPECIAL HANDLING INSTRUCTIONS EMERGENCY NUMBER 1-800-273-5318					
TIME DEPARTED SHOP _____ TIME ON SITE _____ TIME LEFT SITE _____ TIME RETURN TO SHOP _____					
CUSTOMER SIGNATURE _____					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Everett L Rice (Standard) Rep	SIGN [Signature]	DATE 9/13/99
TRANSPORTER 1	PRINT Scott Mudge	SIGN [Signature]	DATE 9/13/99
TRANSPORTER 2	PRINT Brett D. Field	SIGN [Signature]	DATE 9/15/99
RECEIVED BY	PRINT Brett D. Field	SIGN [Signature]	DATE 9/15/99

WHITE - OFFICE YELLOW - SHIPPER PINK - TSDF GOLD - OFFICE

- LABORATORY ANALYSIS REPORT -

Abscope Environmental Inc.
.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906443
Report Date: 9/1/99

Sample ID: Recovery Well Bottoms

Source: Maestri Site

LSL Sample ID: 9906443-001

Sample Matrix: SHW, 1wk.

Date Sampled: 8/25/99

Analytical Method

<i>Parameter(s)</i>	<i>Results</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Comment</i>
To be composited for TCLP analysis				
Sample Composited in Lab			8/26/99	

Sample ID: Silt Fom Biopile Leachate

Source: Maestri Site

LSL Sample ID: 9906443-002

Sample Matrix: SHW, 1wk.

Date Sampled: 8/25/99

Analytical Method

<i>Parameter(s)</i>	<i>Results</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Comment</i>
To be composited for TCLP analysis				
Sample Composited in Lab			8/26/99	

Sample ID: Composite

Source: Maestri Site

LSL Sample ID: 9906443-003

Sample Matrix: SHW, 1wk.

Date Sampled: 8/25/99

Analytical Method

<i>Parameter(s)</i>	<i>Results</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Comment</i>
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			8/27/99	
EPA 6010 RCRA Metals				
Arsenic	3.6	mg/kg	8/27/99	
Barium	1400	mg/kg	8/27/99	
Cadmium	<0.8	mg/kg	8/27/99	
Chromium	12	mg/kg	8/27/99	
Lead	4.3	mg/kg	8/27/99	
Selenium	<0.8	mg/kg	8/27/99	
Silver	<0.8	mg/kg	8/27/99	
EPA 8260 TCLP_BTEX				
Benzene	<0.05	mg/l	8/27/99	
Ethyl benzene	<0.05	mg/l	8/27/99	

Life Science Laboratories, Inc.

Page 2 of 4

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NYS DOH ELAP No. 10248

— LABORATORY ANALYSIS REPORT —

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906443

Authorization:

Report Date: 9/1/99

Toluene	<0.05	mg/l	8/27/99
Xylenes (Total)	10	mg/l	8/27/99
Mercury			
Mercury	<0.1	mg/kg	8/26/99

Sample ID: Deconn. Pad

Source: Maestri Site

LSL Sample ID: 9906443-004

Sample Matrix: SHW, 1wk.

Date Sampled: 8/25/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Extraction				
TCLP Non-Volatile Extraction			8/27/99	
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			8/27/99	
EPA 8260 TCLP Volatiles				
Benzene	<0.05	mg/l	8/27/99	
Carbon tetrachloride	<0.05	mg/l	8/27/99	
Chlorobenzene	<0.05	mg/l	8/27/99	
Chloroform	<0.05	mg/l	8/27/99	
1,4-Dichlorobenzene	<0.05	mg/l	8/27/99	
1,2-Dichloroethane	<0.05	mg/l	8/27/99	
1,1-Dichloroethene	<0.05	mg/l	8/27/99	
2-Butanone (MEK)	<0.1	mg/l	8/27/99	
Tetrachloroethene	<0.05	mg/l	8/27/99	
Trichloroethene	<0.05	mg/l	8/27/99	
Vinyl chloride	<0.1	mg/l	8/27/99	
EPA 8270 TCLP Semi-Volatiles				
Cresol, Total	<0.01	mg/l	8/31/99	
2,4-Dinitrotoluene	<0.01	mg/l	8/31/99	
Hexachlorobenzene	<0.01	mg/l	8/31/99	
Hexachlorobutadiene	<0.01	mg/l	8/31/99	
Hexachloroethane	<0.01	mg/l	8/31/99	
Nitrobenzene	<0.01	mg/l	8/31/99	
Pentachlorophenol	<0.02	mg/l	8/31/99	
Pyridine	<0.02	mg/l	8/31/99	

Life Science Laboratories, Inc.

Page 3 of 4

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906476
Report Date: 9/1/99

Sample ID: Sump Inside Building

Source: Maestri Site

Sample Matrix: SHW, 1wk.

LSL Sample ID: 9906476-001

Date Sampled: 8/26/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/26/99	

Sample ID: Sump Outside Building

Source: Maestri Site

Sample Matrix: SHW, 1wk.

LSL Sample ID: 9906476-002

Date Sampled: 8/26/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/26/99	

Sample ID: Composite

Source: Maestri Site

Sample Matrix: SHW, 1wk.

LSL Sample ID: 9906476-003

Date Sampled: 8/26/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			8/27/99	
EPA 8260 TCLP_BTEX				
Benzene	<0.005	mg/l	8/31/99	
Ethyl benzene	<0.005	mg/l	8/31/99	
Toluene	<0.005	mg/l	8/31/99	
Xylenes (Total)	0.15	mg/l	8/31/99	
Mercury				
Mercury	<0.1	mg/kg	8/27/99	
RCRA Heavy Metals Analyzed by ICP				
Arsenic	1.3	mg/kg	8/27/99	
Barium	43	mg/kg	8/27/99	
Cadmium	<0.5	mg/kg	8/27/99	
Chromium	9.6	mg/kg	8/27/99	

Life Science Laboratories, Inc.

Page 2 of 3

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906476
Report Date: 9/1/99

Lead	7.0	mg/kg	8/27/99
Selenium	<0.5	mg/kg	8/27/99
Silver	<0.5	mg/kg	8/27/99

Sample ID: Deconn Pad Sump

Source: Maestri Site

Sample Matrix: SHW, 1wk.

LSL Sample ID: 9906476-004

Date Sampled: 8/26/99

Analytical Method

<i>Parameter(s)</i>	<i>Results</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Comment</i>
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			8/26/99	
EPA 8260 TCLP_BTEX				
Benzene	<0.05	mg/l	8/27/99	
Ethyl benzene	0.27	mg/l	8/27/99	
Toluene	0.070	mg/l	8/27/99	
Xylenes (Total)	9.3	mg/l	8/27/99	
Mercury				
Mercury	<0.1	mg/kg	8/27/99	
RCRA Heavy Metals Analyzed by ICP				
Arsenic	1.2	mg/kg	8/27/99	
Barium	32	mg/kg	8/27/99	
Cadmium	<0.7	mg/kg	8/27/99	
Chromium	8.6	mg/kg	8/27/99	
Lead	9.8	mg/kg	8/27/99	
Selenium	<0.7	mg/kg	8/27/99	
Silver	<0.7	mg/kg	8/27/99	

Life Science Laboratories, Inc.

Page 3 of 3

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301
NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Sediment Filters
Project No.: 988115
Source: Maestri Site
LSL Sample ID: 9906683-001
Sample Matrix: SHW,72hr RUSH

Authorization:
LSL Project No.: 9906683
Date Sampled: 9/2/99
Report Date: 9/8/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			9/3/99	
EPA 6010 RCRA Metals				
Arsenic	<0.9	mg/kg	9/7/99	
Barium	160	mg/kg	9/7/99	
Cadmium	<0.9	mg/kg	9/7/99	
Chromium	10	mg/kg	9/7/99	
Lead	7.8	mg/kg	9/7/99	
Selenium	<0.9	mg/kg	9/7/99	
Silver	<0.9	mg/kg	9/7/99	
EPA 7471 Mercury				
Mercury	<0.1	mg/kg	9/7/99	
EPA 8260 TCLP_BTEX				
Benzene	<1	ug/l	9/3/99	(11)
(11) This result has been blank corrected.				
Ethyl benzene	<5	ug/l	9/3/99	
Toluene	40	ug/l	9/3/99	
Xylenes (Total)	<5	ug/l	9/3/99	

ABSCOPE
ENVIRONMENTAL, INC.

P.O. Box 487
Canastota, N.Y. 13032
(315) 697-8437
FAX (315) 697-9391

October 12, 1999

Stauffer Management Co.
1800 Concord Pike
Wilmington, Delaware 19850-5438

Attn: Everett Rice

Re: 904 State Fair Boulevard
Syracuse, New York

Dear Mr. Rice,

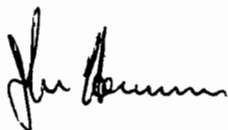
Enclosed please find two (2) copies of the following drum disposal documentation concerning the above referenced site.

- * Bill of Lading
- * Analytical Report

One (1) copy is for your records and one (1) is for the New York State Department of Environmental Conservation (NYSDEC).

If you have any questions, please do not hesitate to contact me.

Sincerely,
Abscope Environmental, Inc.



John Herrmann
Project Manager

ABSCOPE ENVIRONMENTAL, INC.

DOCUMENT

2427

1 Commercial Dr.
PO Box 487
Canastota, NY 13032
(315) 697-8437
FAX (315) 697-9391

STRAIGHT BILL OF LADING

AEI JOB NO. 988115NYSDEC 364 Permit No. 7A-369

TRANSPORTER 1 ABSCOPE ENVIRONMENTAL, INC.
EPA ID # NY0000097444

VEHICLE ID # 36423AF
TRANS. 1 PHONE 315/697-8437

TRANSPORTER 2 _____
EPA ID # _____

VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY INDUSTRIAL OIL TANK SERVICES			SHIPPER STAUFFER MANAGEMENT CO.		
FACILITY EPA ID # NYR000005298			SHIPPER EPA ID # NYD982796914		
ADDRESS 120 DRY ROAD			ADDRESS 904 STATE FAIR BLVD.		
CITY ORISKANY		STATE NY	ZIP 13424	CITY SYRACUSE	
STATE NY		ZIP 13209			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
2	DM		A. CONTAMINATED DIRT, SOILS OR SAND NON-HAZARDOUS N816		900
			B.		
			C.		
			D.		
			E.		
			F.		
SPECIAL HANDLING INSTRUCTIONS EMERGENCY NUMBER 1-800-273-5318					
TIME DEPARTED SHOP _____ TIME ON SITE _____ TIME LEFT SITE _____ TIME RETURN TO SHOP _____					
CUSTOMER SIGNATURE _____					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT STAUFFER MGT CO	SIGN Everett R. Co	DATE 10/8/99
TRANSPORTER 1	PRINT Scott Mudge	SIGN Scott Mudge	DATE 10/8/99
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brett D. Field	SIGN Brett D. Field	DATE 10/8/99

WHITE - OFFICE YELLOW - SHIPPER PINK - TSDF GOLD - OFFICE

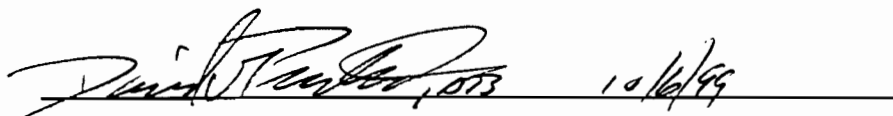


Laboratory Analysis Report For

Abscope Environmental Inc.

Project Number: 988115

LSL Project Number: 9907504


Reviewed By Date

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc.

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Recovery Well Drill Tailings

Project No.: 988115

Source: Maestri Site, 904 State Fair Boulevard

LSL Sample ID: 9907504-001

Sample Matrix: SHW, 1wk.

Authorization:

LSL Project No.: 9907504

Date Sampled: 9/29/99

Report Date: 10/6/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Extraction				
TCLP Non-Volatile Extraction			10/1/99	
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			10/1/99	
EPA 6010 TCLP Metals				
Arsenic	<1	mg/l	10/1/99	
Barium	<5	mg/l	10/1/99	
Cadmium	<0.5	mg/l	10/1/99	
Chromium	<1	mg/l	10/1/99	
Lead	<1	mg/l	10/1/99	
Selenium	<1	mg/l	10/1/99	
Silver	<1	mg/l	10/1/99	
EPA 7471 TCLP Mercury				
Mercury	0.0026	mg/l	10/5/99	
EPA 8260 TCLP_BTEX				
Benzene	<1	ug/l	10/4/99	
Ethyl benzene	<5	ug/l	10/2/99	
Toluene	100	ug/l	10/2/99	
Xylenes (Total)	40	ug/l	10/2/99	



5854 Butternut Drive
East Syracuse, NY 13057

Phone # (315) 445-1105

Telefax # (315) 445-1301

Chain of Custody Record

LSL Project #:

9907504

Turnaround Time

(Please circle one)

Client's Site I.D.: MAESTRI SITE
904 STATE FAIR
BOULEVARD

24 Hr 48 Hr

72 Hr **1 Week**

Contact Person: JOHN HERTZMANN




Authorization:

Client's Project I.D.: 988115

2 Weeks 3 Weeks

[illegible]

Notes and Hazard identifications:

Custody Transfers		Date	Time
Sampled By: 	Received By:		
Relinquished By: 	Received By:		
Relinquished By:	Received for Lab By:  7/29 0943		

Shipment Method:

Samples Received Intact: Y N

ABSCOPE
ENVIRONMENTAL, INC.

P.O. Box 487
Canastota, N.Y. 13032
(315) 697-8437
FAX (315) 697-9391

September 20, 1999

Stauffer Management Co.
1800 Concord Pike
Wilmington, Delaware 19850-5438

Attn: Everett Rice

Re: 904 State Fair Boulevard
Syracuse, New York

Dear Mr. Rice,

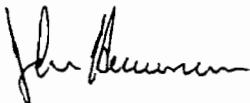
Enclosed please find two (2) copies of the following soil and concrete disposal documentation concerning the above referenced site.

- * Bill of Ladings
- * Weight Tickets
- * Analytical Reports

One (1) copy is for your records and one (1) is for the New York State Department of Environmental Conversation (NYSDEC).

If you have any questions, please do not hesitate to contact me.

Sincerely,
Abscope Environmental, Inc.



John Herrmann
Project Manager



1 Commercial Dr.
PO Box 407
Chenango, NY 13032
(518) 687-6437
FAX (518) 687-8891

DOCUMENT

2381

AEI JOB NO. 980115

NYSDEC 384 Permit No. 7A 402

STRAIGHT BILL OF LADING

TRANSPORTER 1 RICELLI ENTERPRISES
EPA ID # N/A

VEHICLE ID # 3642215
TRANS. 1 PHONE 315/433-1111

TRANSPORTER 2
EPA ID #

VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY HIGH ACRES LANDFILL				SHIPPER STAUFFER MANAGEMENT CO.			
FACILITY EPA ID # N/A				SHIPPER EPA ID # N/A			
ADDRESS 425 PERINGTON PARKWAY				ADDRESS 904 STATE FAIR BLVD.			
CITY FAIRPORT		STATE NY		ZIP 14450		CITY SYRACUSE	
STATE NY		ZIP 13200					
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS			TOTAL QUANTITY	UNIT WT/VOL
1	DT		A. CONTAMINATED DIRT, SOILS OR SAND NON-HAZARDOUS N816			20	TONS
			B.				
			C.				
			D.				
			E.				
			F.				
SPECIAL HANDLING INSTRUCTIONS				EMERGENCY NUMBER 1-800-273-5318 APPROVAL #547591			
TIME DEPARTED SHOP				TIME ON SITE		TIME LEFT SITE	
						TIME RETURN TO SHOP	
CUSTOMER SIGNATURE							

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Everett H. Rice (Stauffer Management Co.)	SIGN Everett H. Rice	DATE 9/13/99
TRANSPORTER 1	PRINT Jon W. McNeal	SIGN Jon W. McNeal	DATE 9/15/99
TRANSPORTER 2	PRINT Paula Schweizer	SIGN Paula Schweizer	DATE 9/13/99
RECEIVED BY			
WHITE - OFFICE YELLOW - SHIPPER PINK - TSDF GOLD - OFFICE			

ABSCOPE **ENVIRONMENTAL, INC.**

1 Corporate Dr.
 PO Box 100
 Canton, NY 13632
 (315) 697-8437
 FAX (315) 697-8391

DOCUMENT

 91.00
 CS
 2387

AER JOB NO. 906115

STRAIGHT BILL OF LADING

NYSDEC 384 Permit No. 7A-492

TRANSPORTER 1 RICELLI ENTERPRISESEPA ID # N/AVEHICLE ID # 54852ANTRANS. 1 PHONE 315/433-5119

TRANSPORTER 2

EPA ID #

VEHICLE ID #

TRANS. 2 PHONE

DESIGNATED FACILITY HIGH ALKES LANDFILL			SHIPPER STAUFFER MANAGEMENT CO.		
FACILITY EPA ID # N/A			SHIPPER EPA ID # N/A		
ADDRESS 225 PERINGTON PARKWAY			ADDRESS 904 STATE FAIR BLVD.		
CITY FAIRPORT		STATE NY	ZIP 14450	CITY SYRACUSE	
STATE NY		ZIP 13200			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
1	DT	A	CONTAMINATED DIRTY SOILS OR SAND NON-HAZARDOUS		20
		B			
		C			
		D			
		E			
		F			

SHIPPER <i>[Signature]</i>	DATE 9/13/99
TRANSPORTER 1 <i>Mark A. Boyd</i>	DATE 9/13/99
TRANSPORTER 2 <i>[Signature]</i>	DATE 9-13-99
RECEIVED BY <i>Lynn O'Leary</i>	DATE 9-13-99

WHITE - OFFICE

YELLOW - SHIPPER

PINK - TSD

GOLD - OFFICE

ABS COPE **ENVIRONMENTAL, INC.**

1 Conaway Dr.
 PO Box 467
 Canastota, NY 13032
 (315) 897-8437
 FAX (315) 897-8301

DOCUMENT

2384

STRAIGHT BILL OF LADING

AEI JOB NO. 988115

NYSDEC 364 Permit No. 7A-4612

TRANSPORTER 1 RICELLI ENTERPRISES
 EPA ID # N/A

VEHICLE ID # 36422AS
 TRANS. 1 PHONE 315/433-5115

TRANSPORTER 2
 EPA ID #

VEHICLE ID #
 TRANS. 2 PHONE

DESIGNATED FACILITY HIGH ACRES LANDFILL				SHIPPER STAUFFER MANAGEMENT CO.			
FACILITY EPA ID # N/A				SHIPPER EPA ID # N/A			
ADDRESS 625 PERKINSON PARKWAY				ADDRESS 904 STATE FIAR BLVD.			
CITY FAIRPORT		STATE NY		ZIP 14450		CITY STRACUSE	
STATE NY		ZIP 13209					
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS			TOTAL QUANTITY	UNIT WT/VOL
1	55		A.	CONTAMINATED DIRT, SOILS OR SAND NON-HAZARDOUS			20 TONS
			B.				
			C.				
			D.				
			E.				
			F.				
SPECIAL HANDLING INSTRUCTIONS				EMERGENCY NUMBER 1-800-273-5318 APPROVAL #547591			
TIME DEPARTED SHOP		TIME ON SITE		TIME LEFT SITE		TIME RETURN TO SHOP	
CUSTOMER SIGNATURE							

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <u>John H. Hermann, Assoc. (Stauffer Management)</u>	DATE <u>9/13/99</u>
TRANSPORTER 1 <u>J. W. M. St. Hel</u>	DATE <u>9/17/99</u>
TRANSPORTER 2	DATE
RECEIVED BY <u>Lynn O'Leary</u>	DATE <u>9/13/99</u>

WHITE - OFFICE YELLOW - SHIPPER PINK - TSD GOLD - OFFICE

ABSCOPE ENVIRONMENTAL, INC.

1 CAMPBELL ST.
PO BOX 487
Canastota, NY 13062
(315) 667-8437
FAX (315) 667-8381

DOCUMENT

R385

STRAIGHT BILL OF LADING

AEI JOB NO. 900115

NYSDEC 364 Permit No. 7A 40

TRANSPORTER 1 RICELLI ENTERPRISES
EPA ID # N/A

VEHICLE ID # 54852AN
TRANS. 1 PHONE 315/433-5110

TRANSPORTER 2 _____
EPA ID # _____

VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>HIGH ACRES LANDFILL</u>			SHIPPER <u>STAUFFER MANAGEMENT CO.</u>		
FACILITY EPA ID # <u>N/A</u>			SHIPPER EPA ID # <u>N/A</u>		
ADDRESS <u>425 PERINGTON PARKWAY</u>			ADDRESS <u>904 STATE FAIR BLVD.</u>		
CITY <u>FAIRPORT</u>		STATE <u>NY</u>	ZIP <u>14450</u>	CITY <u>SYRACUSE</u>	
STATE <u>NY</u>		ZIP <u>13200</u>			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
1	DT		CONTAMINATED DIRT, SOILS OR SAND NON-HAZARDOUS N616		20
SPECIAL HANDLING INSTRUCTIONS			EMERGENCY NUMBER 1-800-273-5318 APPROVAL #347591		
TIME DEPARTED SHOP _____			TIME ON SITE _____		
TIME LEFT SITE _____			TIME RETURN TO SHOP _____		
CUSTOMER SIGNATURE _____					

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER <u>John H. Haggard, Asst. Mgr. (Stauffer)</u>	DATE <u>9/13/99</u>
TRANSPORTER 1 <u>Mark A. Boyd</u>	DATE <u>9/13/99</u>
INSURTER 2 _____	DATE _____
RECEIVED BY <u>Paul Schweizer</u>	DATE <u>9/13/99</u>

WHITE - OFFICE YELLOW - SHIPPER PINK - TSDF GOLD - OFFICE

91.50 T
CS

ABSCOPE

High Acres Landfill and Recycling Center
ALL LOADS MUST BE TARPED OR TIED DOWN
NO EXCEPTIONS TO THE RULE!!!!!!!!!!!!

Date: 09/13/1999 Ticket: 33442
Time In: 12:03 Time Out: 12:10
Grid: Cell 6 Western Expansion
Profile: 547591 STAUFFER MGMT-SOIL (C
Charge:

Manifest: 72387

Adv:

Origin: ONONDAGA

Generator: 1047 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Bill to: 1527

ABSCOPE ENV-STAUFFER MGMT

Truck: R38

Trailer:

Gross: 72000 PB Lbs

Tare: 27488 PB Lbs

Net: 44720

Tons: 22.36

Quantity: 0.00

Mixed %: 100.00

Code: M.D. Description
00 Soils - Cover

Quantity	Type	Rate	Amount
22.36	T		

ADDRESS

CITY

PO:

Ticket Clerk

SLQ

Driver

Mark

High Acres Landfill and Recycling Center
ALL LOADS MUST BE TARPED OR TIED DOWN
NO EXCEPTIONS TO THE RULE!!!!!!!!!!!!

Date: 09/13/1999 Ticket: 33355
Time In: 08:51 Time Out: 08:52

Grid: Cell 6 Western Expansion

Profile: 547591 STAUFFER MGMT-SOIL (C
Charge:

Manifest: 245206

Adv:

Origin: ONONDAGA

Generator: 1047 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Bill to: 1527

ABSCOPE ENV-STAUFFER MGMT

Truck: R38

Trailer:

Gross: 74500 2 KB Lbs

Tare: 27968 AT Lbs

Net: 46540

Tons: 23.27

Quantity: 0.00

Mixed %: 100.00

Code: M.D. Description
00 Soils - Cover

Quantity	Type	Rate	Amount
23.27	T		

ADDRESS

CITY

PO:

CONTAINER: Ticket Clerk

PPE

Driver

Mark

ASSCOPE

Waste Management and Recycling Center
 LOADS MUST BE TARPED OR TIED DOWN
 EXCEPTIONS TO THE RULE!!!!!!

Date: 09/13/1999 Ticket: 33358
 Time In: 08:56 Time Out: 09:01
 Grid: Cell 6 Western Expansion
 Profile#: 547591 STAUFFER MGMT-SOIL (C)
 Charge#:

Advf: 2164

Operator: 1047 STAUFFER MGMT
 Operator: 0035 RICELLI ENTERPRISES
 EPA ID: 1527
 EPA ID: 71700 PB Lbs
 EPA ID: 20520 PB Lbs
 EPA ID: 43260
 NY

Trailer:

Truck: R33

Tons: 21.63
 Quantity: 0.00
 Mixed %: 100.00

Quantity	Type	Rate	Amount
21.63	T		

Designation Description
 NEW Sails - Leavenworth
 FACILITY EPA ID #
 ADDRESS
 CITY

CONTAINERS Ticket Clerk
 NO & SIZE TYPE HA

PPS Driver

33

Waste Management and Recycling Center
 LOADS MUST BE TARPED OR TIED DOWN
 EXCEPTIONS TO THE RULE!!!!!!

Date: 09/13/1999 Ticket: 33456
 Time In: 12:35 Time Out: 12:53
 Grid: Cell 6 Western Expansion
 Profile#: 547591 STAUFFER MGMT-SOIL (C)
 Charge#:

Advf: 2200

Operator: 1047 STAUFFER MGMT
 Operator: 0035 RICELLI ENTERPRISES
 EPA ID: 1527
 EPA ID: 76900 PB Lbs
 EPA ID: 20420 PB Lbs
 EPA ID: 43400
 NY

Trailer:

Truck: R33

Tons: 24.24
 Quantity: 0.00
 Mixed %: 100.00

Quantity	Type	Rate	Amount
24.24	T		

Designation Description
 NEW Sails - Leavenworth
 FACILITY EPA ID #
 ADDRESS
 CITY

CONTAINERS Ticket Clerk
 NO & SIZE TYPE HA

SLO Driver

33

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906559
Report Date: 9/2/99

Sample ID: V1

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-001
Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			9/1/99	
EPA 8021A TCLP Volatiles				
Benzene	<5	ug/l	9/2/99	
Bromobenzene	<5	ug/l	9/2/99	
Bromochloromethane	<5	ug/l	9/2/99	
Bromodichloromethane	<5	ug/l	9/2/99	
Bromoform	<5	ug/l	9/2/99	
Bromomethane	<5	ug/l	9/2/99	
n-Butylbenzene	<5	ug/l	9/2/99	
sec-Butylbenzene	<5	ug/l	9/2/99	
tert-Butylbenzene	<5	ug/l	9/2/99	
Carbon tetrachloride	<5	ug/l	9/2/99	
Chlorobenzene	<5	ug/l	9/2/99	
Chloroethane	<5	ug/l	9/2/99	
Chloroform	<5	ug/l	9/2/99	
Chloromethane	<5	ug/l	9/2/99	
2-Chlorotoluene	<5	ug/l	9/2/99	
4-Chlorotoluene	<5	ug/l	9/2/99	
Dibromochloromethane	<5	ug/l	9/2/99	
1,2-Dibromo-3-chloropropane	<5	ug/l	9/2/99	
1,2-Dibromoethane(EDB)	<5	ug/l	9/2/99	
Dibromomethane	<5	ug/l	9/2/99	
1,2-Dichlorobenzene	<5	ug/l	9/2/99	
1,3-Dichlorobenzene	<5	ug/l	9/2/99	
1,4-Dichlorobenzene	<5	ug/l	9/2/99	
Dichlorodifluoromethane	<5	ug/l	9/2/99	
1,1-Dichloroethane	<5	ug/l	9/2/99	
1,2-Dichloroethane	<5	ug/l	9/2/99	

Life Science Laboratories, Inc.

Page 2 of 9

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906559

Authorization:

Report Date: 9/2/99

1,1-Dichloroethene	<5	ug/l	9/2/99
cis-1,2-Dichloroethene	<5	ug/l	9/2/99
trans-1,2-Dichloroethene	<5	ug/l	9/2/99
1,2-Dichloropropane	<5	ug/l	9/2/99
1,3-Dichloropropane	<5	ug/l	9/2/99
2,2-Dichloropropane	<5	ug/l	9/2/99
1,1-Dichloropropene	<5	ug/l	9/2/99
cis-1,3-Dichloropropene	<5	ug/l	9/2/99
trans-1,3-Dichloropropene	<5	ug/l	9/2/99
Ethyl benzene	<5	ug/l	9/2/99
Hexachlorobutadiene	<5	ug/l	9/2/99
Isopropylbenzene (Cumene)	<5	ug/l	9/2/99
4-Isopropyl toluene (Cymene)	<5	ug/l	9/2/99
Methylene chloride	<5	ug/l	9/2/99
Naphthalene	<5	ug/l	9/2/99
N-Propylbenzene	<5	ug/l	9/2/99
Styrene	<5	ug/l	9/2/99
1,1,1,2-Tetrachloroethane	<5	ug/l	9/2/99
1,1,2,2-Tetrachloroethane	<5	ug/l	9/2/99
Tetrachloroethene	<5	ug/l	9/2/99
Toluene	<5	ug/l	9/2/99
1,2,3-Trichlorobenzene	<5	ug/l	9/2/99
1,2,4-Trichlorobenzene	<5	ug/l	9/2/99
1,1,1-Trichloroethane	<5	ug/l	9/2/99
1,1,2-Trichloroethane	<5	ug/l	9/2/99
Trichloroethene	<5	ug/l	9/2/99
Trichlorofluoromethane (Freon 11)	<5	ug/l	9/2/99
1,2,3-Trichloropropane	<5	ug/l	9/2/99
1,2,4-Trimethylbenzene	<5	ug/l	9/2/99
1,3,5-Trimethylbenzene	<5	ug/l	9/2/99
Vinyl chloride	<5	ug/l	9/2/99
Xylenes (Total)	29	ug/l	9/2/99

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906559
Report Date: 9/2/99

Sample ID: V2

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-002
Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			9/1/99	
EPA 8021A TCLP Volatiles				
Benzene	<5	ug/l	9/2/99	
Bromobenzene	<5	ug/l	9/2/99	
Bromochloromethane	<5	ug/l	9/2/99	
Bromodichloromethane	<5	ug/l	9/2/99	
Bromoform	<5	ug/l	9/2/99	
Bromomethane	<5	ug/l	9/2/99	
n-Butylbenzene	<5	ug/l	9/2/99	
sec-Butylbenzene	<5	ug/l	9/2/99	
tert-Butylbenzene	<5	ug/l	9/2/99	
Carbon tetrachloride	<5	ug/l	9/2/99	
Chlorobenzene	<5	ug/l	9/2/99	
Chloroethane	<5	ug/l	9/2/99	
Chloroform	<5	ug/l	9/2/99	
Chloromethane	<5	ug/l	9/2/99	
2-Chlorotoluene	<5	ug/l	9/2/99	
4-Chlorotoluene	<5	ug/l	9/2/99	
Dibromochloromethane	<5	ug/l	9/2/99	
1,2-Dibromo-3-chloropropane	<5	ug/l	9/2/99	
1,2-Dibromoethane(EDB)	<5	ug/l	9/2/99	
Dibromomethane	<5	ug/l	9/2/99	
1,2-Dichlorobenzene	<5	ug/l	9/2/99	
1,3-Dichlorobenzene	<5	ug/l	9/2/99	
1,4-Dichlorobenzene	<5	ug/l	9/2/99	
Dichlorodifluoromethane	<5	ug/l	9/2/99	
1,1-Dichloroethane	<5	ug/l	9/2/99	
1,2-Dichloroethane	<5	ug/l	9/2/99	

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5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906559

Authorization:

Report Date: 9/2/99

1,1-Dichloroethene	<5	ug/l	9/2/99
cis-1,2-Dichloroethene	<5	ug/l	9/2/99
trans-1,2-Dichloroethene	<5	ug/l	9/2/99
1,2-Dichloropropane	<5	ug/l	9/2/99
1,3-Dichloropropane	<5	ug/l	9/2/99
2,2-Dichloropropane	<5	ug/l	9/2/99
1,1-Dichloropropene	<5	ug/l	9/2/99
cis-1,3-Dichloropropene	<5	ug/l	9/2/99
trans-1,3-Dichloropropene	<5	ug/l	9/2/99
Ethyl benzene	<5	ug/l	9/2/99
Hexachlorobutadiene	<5	ug/l	9/2/99
Isopropylbenzene (Cumene)	<5	ug/l	9/2/99
4-Isopropyl toluene (Cymene)	<5	ug/l	9/2/99
Methylene chloride	<5	ug/l	9/2/99
Naphthalene	<5	ug/l	9/2/99
N-Propylbenzene	<5	ug/l	9/2/99
Styrene	<5	ug/l	9/2/99
1,1,1,2-Tetrachloroethane	<5	ug/l	9/2/99
1,1,1,2,2-Tetrachloroethane	<5	ug/l	9/2/99
Tetrachloroethene	<5	ug/l	9/2/99
Toluene	<5	ug/l	9/2/99
1,2,3-Trichlorobenzene	<5	ug/l	9/2/99
1,2,4-Trichlorobenzene	<5	ug/l	9/2/99
1,1,1-Trichloroethane	<5	ug/l	9/2/99
1,1,2-Trichloroethane	<5	ug/l	9/2/99
Trichloroethene	<5	ug/l	9/2/99
Trichlorofluoromethane (Freon 11)	<5	ug/l	9/2/99
1,2,3-Trichloropropane	<5	ug/l	9/2/99
1,2,4-Trimethylbenzene	<5	ug/l	9/2/99
1,3,5-Trimethylbenzene	<5	ug/l	9/2/99
Vinyl chloride	<5	ug/l	9/2/99
Xylenes (Total)	280	ug/l	9/2/99

Life Science Laboratories, Inc.

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5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906559
Report Date: 9/2/99

Sample ID: SV1

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-003
Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

Sample ID: SV2

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-004
Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

Sample ID: SV3

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-005
Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

Sample ID: SV4

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-006
Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906559
Report Date: 9/2/99

Sample ID: SV5

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-007
Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
To be composited for TCLP analysis				
Sample Composited in Lab			8/30/99	

Sample ID: Composite

Source: Maestri Site
Sample Matrix: SHW, 72hrs.

LSL Sample ID: 9906559-008
Date Sampled: 8/30/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Extraction				
TCLP Non-Volatile Extraction			8/30/99	
EPA 6010 TCLP Metals				
Arsenic	<1	mg/l	9/1/99	
Barium	<5	mg/l	9/1/99	
Cadmium	<0.5	mg/l	9/1/99	
Chromium	<1	mg/l	9/1/99	
Lead	<1	mg/l	9/1/99	
Selenium	0.70	mg/l	9/1/99	
Silver	<1	mg/l	9/1/99	
EPA 7471 TCLP Mercury				
Mercury	<0.002	mg/l	9/2/99	
EPA 8270 TCLP Semi-Volatiles (B/N)				
Acenaphthene	<5	ug/l	8/31/99	
Acenaphthylene	<5	ug/l	8/31/99	
Anthracene	<5	ug/l	8/31/99	
Benzo(a)anthracene	<5	ug/l	8/31/99	
Benzo(b)fluoranthene	<5	ug/l	8/31/99	
Benzo(k)fluoranthene	<5	ug/l	8/31/99	
Benzo(ghi)perylene	<5	ug/l	8/31/99	
Benzo(a)pyrene	<5	ug/l	8/31/99	
4-Bromophenyl-phenylether	<5	ug/l	8/31/99	

Life Science Laboratories, Inc.

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5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115
Authorization:

LSL Project No.: 9906559
Report Date: 9/2/99

Butylbenzylphthalate	<5	ug/l	8/31/99
Carbazole	<5	ug/l	8/31/99
4-Chloroaniline	<5	ug/l	8/31/99
bis(2-Chloroethoxy)methane	<5	ug/l	8/31/99
bis(2-Chloroethyl)ether	<5	ug/l	8/31/99
2-Chloronaphthalene	<5	ug/l	8/31/99
4-Chlorophenyl-phenylether	<5	ug/l	8/31/99
Chrysene	<5	ug/l	8/31/99
Dibenz(a,h)anthracene	<5	ug/l	8/31/99
Dibenzofuran	<5	ug/l	8/31/99
Di-n-butylphthalate	<5	ug/l	8/31/99
1,2-Dichlorobenzene	<5	ug/l	8/31/99
1,3-Dichlorobenzene	<5	ug/l	8/31/99
1,4-Dichlorobenzene	<5	ug/l	8/31/99
3,3'-Dichlorobenzidine	<10	ug/l	8/31/99
Diethylphthalate	<5	ug/l	8/31/99
Dimethylphthalate	<5	ug/l	8/31/99
2,4-Dinitrotoluene	<5	ug/l	8/31/99
2,6-Dinitrotoluene	<5	ug/l	8/31/99
Di-n-octylphthalate	<5	ug/l	8/31/99
bis(2-Ethylhexyl)phthalate	<5	ug/l	8/31/99
Fluoranthene	<5	ug/l	8/31/99
Fluorene	<5	ug/l	8/31/99
Hexachlorobenzene	<5	ug/l	8/31/99
Hexachlorobutadiene	<5	ug/l	8/31/99
Hexachlorocyclopentadiene	<5	ug/l	8/31/99
Hexachloroethane	<5	ug/l	8/31/99
Indeno(1,2,3-c,d)pyrene	<5	ug/l	8/31/99
Isophorone	<5	ug/l	8/31/99
2-Methylnaphthalene	<5	ug/l	8/31/99
Naphthalene	<5	ug/l	8/31/99
2-Nitroaniline	<10	ug/l	8/31/99
3-Nitroaniline	<10	ug/l	8/31/99
4-Nitroaniline	<10	ug/l	8/31/99
Nitrobenzene	<5	ug/l	8/31/99

Life Science Laboratories, Inc.

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5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906559

Authorization:

Report Date: 9/2/99

N-Nitrosodiphenylamine	<5	ug/l	8/31/99
N-Nitroso-di-n-propylamine	<5	ug/l	8/31/99
Phenanthrene	<5	ug/l	8/31/99
1,2,4-Trichlorobenzene	<5	ug/l	8/31/99
Pyrene	<5	ug/l	8/31/99

— LABORATORY ANALYSIS REPORT —

scope Environmental Inc.
O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906443

Authorization:

Report Date: 9/1/99

Toluene	<0.05	mg/l	8/27/99
Xylenes (Total)	10	mg/l	8/27/99
Mercury			
Mercury	<0.1	mg/kg	8/26/99

Sample ID: Deconn. Pad

Source: Maestri Site

Sample Matrix: SHW, 1wk.

LSL Sample ID: 9906443-004

Date Sampled: 8/25/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Extraction				
TCLP Non-Volatile Extraction			8/27/99	
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			8/27/99	
A 8260 TCLP Volatiles				
Benzene	<0.05	mg/l	8/27/99	
Carbon tetrachloride	<0.05	mg/l	8/27/99	
Chlorobenzene	<0.05	mg/l	8/27/99	
Chloroform	<0.05	mg/l	8/27/99	
1,4-Dichlorobenzene	<0.05	mg/l	8/27/99	
1,2-Dichloroethane	<0.05	mg/l	8/27/99	
1,1-Dichloroethene	<0.05	mg/l	8/27/99	
2-Butanone (MEK)	<0.1	mg/l	8/27/99	
Tetrachloroethene	<0.05	mg/l	8/27/99	
Trichloroethene	<0.05	mg/l	8/27/99	
Vinyl chloride	<0.1	mg/l	8/27/99	
EPA 8270 TCLP Semi-Volatiles				
Cresol, Total	<0.01	mg/l	8/31/99	
2,4-Dinitrotoluene	<0.01	mg/l	8/31/99	
Hexachlorobenzene	<0.01	mg/l	8/31/99	
Hexachlorobutadiene	<0.01	mg/l	8/31/99	
Hexachloroethane	<0.01	mg/l	8/31/99	
Nitrobenzene	<0.01	mg/l	8/31/99	
Pentachlorophenol	<0.02	mg/l	8/31/99	
Pyridine	<0.02	mg/l	8/31/99	

Life Science Laboratories, Inc.

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5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

- LABORATORY ANALYSIS REPORT -

bscope Environmental Inc.
.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Project No.: 988115

LSL Project No.: 9906443

Authorization:

Report Date: 9/1/99

2,4,5-Trichlorophenol	<0.01	mg/l	8/31/99
2,4,6-Trichlorophenol	<0.01	mg/l	8/31/99

Life Science Laboratories, Inc.

Page 4 of 4

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

ABSCOPE
ENVIRONMENTAL, INC.

P.O. Box 487
Canastota, N.Y. 13032
(315) 697-8437
FAX (315) 697-9391

October 4, 1999

Stauffer Management Co.
1800 Concord Pike
Wilmington, Delaware 19850-5438

Attn: Everett Rice

Re: 904 State Fair Boulevard
Syracuse, New York

Dear Mr. Rice,

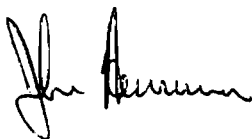
Enclosed please find two (2) copies of the following soil disposal documentation concerning the above referenced site.

- * Bill of Ladings
- * Weight Tickets
- * Analytical Report

One (1) copy is for your records and one (1) is for the New York State Department of Environmental Conservation (NYSDEC).

If you have any questions, please do not hesitate to contact me.

Sincerely,
Abscope Environmental, Inc.



John Herrmann
Project Manager

*(Att: SOX from
underground pad -
OK)*

On Acres Landfill and Recycling Center
 ALL LOADS MUST BE TARPED OR TIED DOWN
 NO EXCEPTIONS TO THE RULE!!!!!!!!!!!!

Date: 09/29/1999 Ticket: 36419
 Time In: 09:54 Time Out: 10:05
 Site: Cell 6 Western Expansion
 Profile: 54759: STAUFFER MGMT-SOIL (C
 Charge:

Manifest: 2417 Adv:

Origin: ONONDAGA

Generator: 1047 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Bill to: 1527

ABSCOPE ENV-STAUFFER MGMT

Truck: R85

Trailer:

NY

Gross: 75560 PB Lbs

Tare: 28440 PB Lbs

Net: 47120

Tons: 23.56
 Quantity: 0.00
 Mixed %: 100.00

Code	Description	Quantity	Type	Rate	Amount
00	Soils - Cover	23.56	T		

PO:

Ticket Clerk

PPS

Driver

[Signature]

ABSCOPE ENVIRONMENTAL, INC.

DOCUMENT

2417

Commercial Dr.
PO Box 487
Canastota, NY 13032
(315) 697-8437
FAX (315) 697-9391

AEI JOB NO. 988115**STRAIGHT BILL OF LADING**NYSDEC 364 Permit No. 7A-402

TRANSPORTER 1 RICCELLI ENTERPRISES, INC.
EPA ID # N/A

VEHICLE ID # 85
TRANS. 1 PHONE 315/433-5115

TRANSPORTER 2 _____
EPA ID # _____

VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY HIGH ACRES LANDFILL			SHIPPER STAUFFER MANAGEMENT CO.		
FACILITY EPA ID # N/A			SHIPPER EPA ID # NYD982796914		
ADDRESS 425 PERINGTON PARKWAY			ADDRESS 904 STATE FAIR BOULEVARD		
CITY FAIRPORT		STATE NY	ZIP 14450	CITY SYRACUSE	
STATE NY		ZIP 13209			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1	DT		A. CONTAMINATED DIRT, SOILS OR SAND NON-HAZARDOUS N816	20	TONS
			B.		
			C.		
			D.		
			E.		
			F.		
SPECIAL HANDLING INSTRUCTIONS EMERGENCY NUMBER 1-800-273-5318 APPROVAL # 547591					
TIME DEPARTED SHOP _____ TIME ON SITE _____ TIME LEFT SITE _____ TIME RETURN TO SHOP _____					
CUSTOMER SIGNATURE _____					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Everett L Rice (Stauffer)	SIGN <i>Everett L Rice</i>	DATE 9/29/99
TRANSPORTER 1	PRINT Rodney Durrey	SIGN <i>Rodney Durrey</i>	DATE 9/29/99
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

WHITE - OFFICE

YELLOW - SHIPPER

PINK - TSDF

GOLD - OFFICE

ABSCOPE **ENVIRONMENTAL, INC.**

DOCUMENT

2418

Commercial Dr.
PO Box 487
Canastota, NY 13032
(315) 697-8437
FAX (315) 697-9391

AEI JOB NO. 988115

STRAIGHT BILL OF LADING

NYSDEC 364 Permit No. 7A-402

TRANSPORTER 1 RICCELLI ENTERPRISES, INC.
EPA ID # N/A

VEHICLE ID # 134
TRANS. 1 PHONE 315/433-5115

TRANSPORTER 2 _____
EPA ID # _____

VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY HIGH ACRES LANDFILL			SHIPPER STAUFFER MANAGEMENT CO.		
FACILITY EPA ID # N/A			SHIPPER EPA ID # NYD982796914		
ADDRESS 425 PERINGTON PARKWAY			ADDRESS 904 STATE FAIR BOULEVARD		
CITY FAIRPORT		STATE NY	ZIP 14450	CITY SYRACUSE	
STATE NY		ZIP 13209			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1	DT		A. CONTAMINATED DIRT, SOILS OR SAND NON-HAZARDOUS MB16	35	TONS
			B.		
			C.		
			D.		
			E.		
			F.		
SPECIAL HANDLING INSTRUCTIONS EMERGENCY NUMBER 1-800-273-5318 APPROVAL # 547591					
TIME DEPARTED SHOP _____ TIME ON SITE _____ TIME LEFT SITE _____ TIME RETURN TO SHOP _____					
CUSTOMER SIGNATURE _____					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Ernest L Rice (Stauffer mgt)	SIGN <i>Ernest L Rice</i>	DATE 9/29/99
TRANSPORTER 1	PRINT John Marshall	SIGN <i>John Marshall</i>	DATE 9/29/99
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

WHITE - OFFICE

YELLOW - SHIPPER

PINK - TSDF

GOLD - OFFICE

ABSCOPE ENVIRONMENTAL, INC.

DOCUMENT

2419

Commercial Dr.
PO Box 487
Canastota, NY 13032
(315) 697-8437
FAX (315) 697-9391

AEI JOB NO. 988115**STRAIGHT BILL OF LADING**NYSDEC 364 Permit No. 7A-402TRANSPORTER 1 RICCELLI ENTERPRISES, INC.EPA ID # N/AVEHICLE ID # 134TRANS. 1 PHONE 315/433-5115

TRANSPORTER 2 _____

EPA ID # _____

VEHICLE ID # _____

TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>HIGH ACRES LANDFILL</u>			SHIPPER <u>STAUFFER MANAGEMENT CO.</u>		
FACILITY EPA ID # <u>N/A</u>			SHIPPER EPA ID # <u>NYD982796914</u>		
ADDRESS <u>425 PERINGTON PARKWAY</u>			ADDRESS <u>904 STATE FAIR BOULEVARD</u>		
CITY <u>FAIRPORT</u>		STATE <u>NY</u>	ZIP <u>14450</u>	CITY <u>SYRACUSE</u>	
STATE <u>NY</u>		ZIP <u>13209</u>			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>1</u>	<u>DT</u>		A. <u>CONTAMINATED DIRT, SOILS OR SAND</u> <u>NON-HAZARDOUS N816</u>	<u>35</u>	<u>TONS</u>
			B.		
			C.		
			D.		
			E.		
			F.		
SPECIAL HANDLING INSTRUCTIONS <u>EMERGENCY NUMBER 1-800-273-5318</u> <u>APPROVAL # 547591</u>					
TIME DEPARTED SHOP _____ TIME ON SITE _____ TIME LEFT SITE _____ TIME RETURN TO SHOP _____					
CUSTOMER SIGNATURE _____					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>Everett L Rice (Stauffer mgt)</u>	SIGN <u>Everett L Rice</u>	DATE <u>9/29/99</u>
TRANSPORTER 1	PRINT <u>John MARSHALL</u>	SIGN <u>John Marshall</u>	DATE <u>9/29/99</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

WHITE - OFFICE

YELLOW - SHIPPER

PINK - TSDF

GOLD - OFFICE

88-781
 2415
 AS NO. 24115
 NYSDEC 94 Permit No. 74-482
 VEHICLE NO. 85
 NAME OF DRIVER 413-9115
 NAME OF SHIPPER
 NAME OF DESTINATION

DESIGNATED FACILITY NAME AND FULL ADDRESS
 FACILITY EPA ID #
 ADDRESS
 STATE ZIP
 CITY
 CONTAINER NO. & DESCRIPTION
 DESCRIPTION OF MATERIALS
 CONTAMINATED BY
 NON-HAZARDOUS
 SHIPPER
 SHIPPER EPA ID #
 ADDRESS
 STATE ZIP
 CITY
 TOTAL QUANTITY
 UNIT WT/VOL
 SPECIAL HANDLING INSTRUCTIONS
 EMERGENCY NUMBER
 APPROVALS
 TIME DEPARTED SHOP
 TIME ENROUTE
 TIME LEFT SITE
 TIME RETURN TO SHOP
 CUSTOMER SIGNATURE

SHIPPER CERTIFICATION: There is no other information on this manifest that is not properly classified.
 The information on this manifest is true and correct.
 The information on this manifest is true and correct.

SHIPPER SIGNATURE
 TRANSPORTER SIGNATURE
 TRANSPORTER SIGNATURE
 RECEIVED BY
 DATE 9/29/99
 DATE 9/29/99
 DATE 9/29/99

COPIES

and Recycling Center Date: 09/29/1999 Ticket: 36417
 LEADS MUST BE TAPPED OR TIED DOWN Time In: 09:52 Time Out: 10:02
 PROCEED TO THE RULE!!!!!!!!!!!!!! Grid: Cell 6 Western Expansion
 Profile: 547592 STAUFFER HMT-60IL(C)
 Charge:

Advf: 241332

night: ANONORA
 enforcer: 1047 STAUFFER HMT
 transporter: 0035 RICELLI ENTERPRISES Truck: R134
 ill: 1527 ABSCOPE ENV-STAUFFER HMT
 LEAD: 1527 NY

mass: 88500 PB Lbs
 mass: 32400 2 PB Lbs
 mass: 56100

Quantity	Type	Rate	Amount
28.05	T	28.05	
		0.00	
		100.00	

ed DESIGNAT Description
 8 88115 Cover

FACTORY EPA ID #
 N/A
 ADDRESS

CITY

00 Ticket Clerk PPS Driver

CONTAINER TYPE

HC & ODE

Gmahl

TOT
QUANTITY

2418

100-441115

NYDEC 101 Patent No. 9A-402

VEHICLE ID: 100
TRANSPHONE 315/433-5118

TRANSPORTER

1954年12月

DESIGNATED FACILITY	SHIPPER						
WILSON ASBESTOS LANDFILL	STANTER MANAGEMENT CO.						
FACILITY EPA ID #	SHIPPER EPA ID #						
N/A	NYD982796914						
ADDRESS	ADDRESS						
425 PERIMETER PARKWAY	99A STATE FAIR BOULEVARD						
CITY	CITY	STATE	STATE	ZIP			
FAIRPORT	SYRACUSE	NY	NY	13209			
CONTAINER	DESCRIPTION OF MATERIALS				TOTAL	UNIT	
NO. & SIZE					QUANTITY	WT/VOL	
1	CONTAMINATED SOIL, MOISTURE 10-15%				35	TONS	
	NON-HAZARDOUS						

SPECIAL HANDLING INSTRUCTIONS **EMERGENCY NUMBER 1-800-273-2314**
APPROVAL # 047891

TIME DEPARTED SHOP **TIME ON SITE** **TIME LEFT SITE** **TIME RETURNED TO SHOP**

CUSTOMER SIGNATURE

SHIPPER'S CERTIFICATION: This is not a hazardous material and is properly classified, packaged, labeled and marked for shipment. This material is not a hazardous material and is properly classified, packaged, labeled and marked for shipment according to applicable regulations.

SHIPPER	STANLEY	9/29/99
TRANSPORTER 1	Qubma	9/29/99
TRANSPORTER 2		
RECEIVED BY	D. K.	9/29/99

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

High Active Solids and Recycling
 ALL LOADS MUST BE TARPED OR TIED DOWN
 NO EXPOSURE TO THE RAIL!!!!!!!!!!!!

Corleone, NY 13092

Manifest # 2419

Origin: 310NDBA8

Generator #: 1047 STAUFFER MGMT

Transporter: 0035 RICELLI ENTERPRISES

Bill to: 1527 HIA

Gross: 86620 2 PS Lbs.

Tare: ID 82882 2 PS Lbs.

Net: 54340

Code 00 DESIGNATED Description
 00 010 Bailla - Cover
 FACILITY EPA ID #

ADDRESS

CITY

PO

CONTAINERS
 NO 1 SIZE

Ticket Clerk
 TYPE

PPS Driver

Quantity
 27.17

Type
 T

Rate

Amount

Date: 09/24/1999 Ticket: 36511
 Time In: 13:35 Time Out: 13:56
 Grid: Cell 5 Western Expansion

Profile: 547591 STAUFFER MGMT-SQIL(C

Charge:

AEI 109100

Truck: R134

Trailer:

Tons: 27.17

Quantity: 27.17

Mixed Xi: 100.00

J. Marshall

SCOPE**ENVIRONMENTAL INC.**

Commercial Dr.
PO Box 487
Canastota, NY 13022
(315) 897-8437
FAX (315) 897-8311

DOCUMENT 2419

AEI JOB NO. 988115

NYSDEC 304 Permit No. 7A-402

TRANSPORTER 1 **NICCELLI ENTERPRISES, INC.**
EPA ID # **N/A**

VEHICLE ID # **134**
TRANS. 1 PHONE **315/433-5115**

TRANSPORTER 2
EPA ID #

VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
HIGH ACRES LANDFILL			STALPETER MANAGEMENT CO.		
FACILITY EPA ID #			SHIPPER EPA ID #		
M/A			NYD982796914		
ADDRESS			ADDRESS		
425 PERKINSON PARKWAY			305 STATE FAIR BOULEVARD		
CITY		STATE	ZIP	CITY	
FAIRPORT		NY	14450	SYRACUSE	
STATE		ZIP	STATE		ZIP
NY		13209	NY		13209
CONTAINERS	NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY
	1	20		CONTAMINATED DIRT, SOILS OR SAND	32
				NON-HAZARDOUS	TONS
SPECIAL HANDLING INSTRUCTIONS			EMERGENCY NUMBER 1-800-273-5318		
			APPROVAL # 547891		
TIME DEPARTED SHOP		TIME ON SITE		TIME LEFT SITE	
				TIME RETURN TO SHOP	
CUSTOMER SIGNATURE					

SUPPLIER CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	<i>Robert J. (Stalpet)</i>	DATE	9/29/99
TRANSPORTER 1	<i>John Marshall</i>	DATE	9/29/99
TRANSPORTER 2			
RECEIVED BY	<i>John Marshall</i>		



Laboratory Analysis Report For

Abscope Environmental Inc.

Project Number: 988115

LSL Project Number: 9907176

 2/27/99
Reviewed By Date

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc.

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Stockpile

Project No.: 988115

Source: Maestri Site, 904 State Fair Blvd.

LSL Sample ID: 9907176-001

Sample Matrix: SHW, 1wk

Authorization:

LSL Project No.: 9907176

Date Sampled: 9/20/99

Report Date: 9/27/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
EPA 1311 TCLP Extraction				
TCLP Non-Volatile Extraction			9/23/99	
EPA 1311 TCLP Z.H. Extraction				
TCLP Zero Headspace Extraction			9/24/99	
EPA 6010 TCLP Metals				
Arsenic	<1	mg/l	9/24/99	
Barium	<5	mg/l	9/24/99	
Cadmium	<0.5	mg/l	9/24/99	
Chromium	<1	mg/l	9/24/99	
Lead	<1	mg/l	9/24/99	
Selenium	<0.5	mg/l	9/24/99	
Silver	<1	mg/l	9/24/99	
EPA 7471 TCLP Mercury				
Mercury	<0.002	mg/l	9/24/99	
EPA 8021A TCLP Volatiles				
Benzene	<5	ug/l	9/26/99	
Bromobenzene	<5	ug/l	9/26/99	
Bromochloromethane	<5	ug/l	9/26/99	
Bromodichloromethane	<5	ug/l	9/26/99	
Bromoform	<5	ug/l	9/26/99	
Bromomethane	<5	ug/l	9/26/99	
n-Butylbenzene	<5	ug/l	9/26/99	
sec-Butylbenzene	<5	ug/l	9/26/99	
tert-Butylbenzene	<5	ug/l	9/26/99	
Carbon tetrachloride	<5	ug/l	9/26/99	
Chlorobenzene	<5	ug/l	9/26/99	
Chloroethane	<5	ug/l	9/26/99	
Chloroform	<5	ug/l	9/26/99	
Chloromethane	<5	ug/l	9/26/99	

Life Science Laboratories, Inc.

Page 2 of 6

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Stockpile

Project No.: 988115

Source: Maestri Site, 904 State Fair Blvd.

LSL Sample ID: 9907176-001

Sample Matrix: SHW, 1wk

Authorization:

LSL Project No.: 9907176

Date Sampled: 9/20/99

Report Date: 9/27/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
2-Chlorotoluene	<5	ug/l	9/26/99	
4-Chlorotoluene	<5	ug/l	9/26/99	
Dibromochloromethane	<5	ug/l	9/26/99	
1,2-Dibromo-3-chloropropane	<5	ug/l	9/26/99	
1,2-Dibromoethane(EDB)	<5	ug/l	9/26/99	
Dibromomethane	<5	ug/l	9/26/99	
1,2-Dichlorobenzene	<5	ug/l	9/26/99	
1,3-Dichlorobenzene	<5	ug/l	9/26/99	
1,4-Dichlorobenzene	<5	ug/l	9/26/99	
Dichlorodifluoromethane	<5	ug/l	9/26/99	
1,1-Dichloroethane	<5	ug/l	9/26/99	
1,2-Dichloroethane	<5	ug/l	9/26/99	
1,1-Dichloroethene	<5	ug/l	9/26/99	
cis-1,2-Dichloroethene	<5	ug/l	9/26/99	
trans-1,2-Dichloroethene	<5	ug/l	9/26/99	
1,2-Dichloropropane	<5	ug/l	9/26/99	
1,3-Dichloropropane	<5	ug/l	9/26/99	
2,2-Dichloropropane	<5	ug/l	9/26/99	
1,1-Dichloropropene	<5	ug/l	9/26/99	
cis-1,3-Dichloropropene	<5	ug/l	9/26/99	
trans-1,3-Dichloropropene	<5	ug/l	9/26/99	
Ethyl benzene	<5	ug/l	9/26/99	
Hexachlorobutadiene	<5	ug/l	9/26/99	
Isopropylbenzene (Cumene)	<5	ug/l	9/26/99	
4-Isopropyl toluene (Cymene)	<5	ug/l	9/26/99	
Methylene chloride	<5	ug/l	9/26/99	
Naphthalene	<5	ug/l	9/26/99	
N-Propylbenzene	<5	ug/l	9/26/99	
Styrene	<5	ug/l	9/26/99	
1,1,1,2-Tetrachloroethane	<5	ug/l	9/26/99	

Life Science Laboratories, Inc.

Page 3 of 6

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Stockpile

Project No.: 988115

Source: Maestri Site, 904 State Fair Blvd.

LSL Sample ID: 9907176-001

Sample Matrix: SHW, 1wk

Authorization:

LSL Project No.: 9907176

Date Sampled: 9/20/99

Report Date: 9/27/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
1,1,2,2-Tetrachloroethane	<5	ug/l	9/26/99	
Tetrachloroethene	<5	ug/l	9/26/99	
Toluene	<5	ug/l	9/26/99	
1,2,3-Trichlorobenzene	<5	ug/l	9/26/99	
1,2,4-Trichlorobenzene	<5	ug/l	9/26/99	
1,1,1-Trichloroethane	<5	ug/l	9/26/99	
1,1,2-Trichloroethane	<5	ug/l	9/26/99	
Trichloroethene	<5	ug/l	9/26/99	
Trichlorofluoromethane (Freon 11)	<5	ug/l	9/26/99	
1,2,3-Trichloropropane	<5	ug/l	9/26/99	
1,2,4-Trimethylbenzene	<5	ug/l	9/26/99	
1,3,5-Trimethylbenzene	<5	ug/l	9/26/99	
Vinyl chloride	<5	ug/l	9/26/99	
Xylenes (Total)	120	ug/l	9/26/99	
EPA 8270 TCLP B/N				
Acenaphthene	<5	ug/l	9/27/99	
Acenaphthylene	<5	ug/l	9/27/99	
Anthracene	<5	ug/l	9/27/99	
Benzo(a)anthracene	<5	ug/l	9/27/99	
Benzo(b)fluoranthene	<5	ug/l	9/27/99	
Benzo(k)fluoranthene	<5	ug/l	9/27/99	
Benzo(ghi)perylene	<5	ug/l	9/27/99	
Benzo(a)pyrene	<5	ug/l	9/27/99	
4-Bromophenyl-phenylether	<5	ug/l	9/27/99	
Butylbenzylphthalate	<5	ug/l	9/27/99	
Carbazole	<5	ug/l	9/27/99	
4-Chloroaniline	<5	ug/l	9/27/99	
bis(2-Chloroethoxy)methane	<5	ug/l	9/27/99	
bis(2-Chloroethyl)ether	<5	ug/l	9/27/99	

Life Science Laboratories, Inc.

Page 4 of 6

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Stockpile

Project No.: 988115

Source: Maestri Site, 904 State Fair Blvd.

LSL Sample ID: 9907176-001

Sample Matrix: SHW, 1wk

Authorization:

LSL Project No.: 9907176

Date Sampled: 9/20/99

Report Date: 9/27/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
2-Chloronaphthalene	<5	ug/l	9/27/99	
4-Chlorophenyl-phenylether	<5	ug/l	9/27/99	
Chrysene	<5	ug/l	9/27/99	
Dibenz(a,h)anthracene	<5	ug/l	9/27/99	
Dibenzofuran	<5	ug/l	9/27/99	
Di-n-butylphthalate	7.3	ug/l	9/27/99	
1,2-Dichlorobenzene	<5	ug/l	9/27/99	
1,3-Dichlorobenzene	<5	ug/l	9/27/99	
1,4-Dichlorobenzene	<5	ug/l	9/27/99	
3,3'-Dichlorobenzidine	<10	ug/l	9/27/99	
Diethylphthalate	<5	ug/l	9/27/99	
Dimethylphthalate	<5	ug/l	9/27/99	
2,4-Dinitrotoluene	<5	ug/l	9/27/99	
2,6-Dinitrotoluene	<5	ug/l	9/27/99	
Di-n-octylphthalate	<5	ug/l	9/27/99	
bis(2-Ethylhexyl)phthalate	5.6	ug/l	9/27/99	
Fluoranthene	<5	ug/l	9/27/99	
Fluorene	<5	ug/l	9/27/99	
Hexachlorobenzene	<5	ug/l	9/27/99	
Hexachlorobutadiene	<5	ug/l	9/27/99	
Hexachlorocyclopentadiene	<5	ug/l	9/27/99	
Hexachloroethane	<5	ug/l	9/27/99	
Indeno(1,2,3-c,d)pyrene	<5	ug/l	9/27/99	
Isophorone	<5	ug/l	9/27/99	
2-Methylnaphthalene	<5	ug/l	9/27/99	
Naphthalene	<5	ug/l	9/27/99	
2-Nitroaniline	<10	ug/l	9/27/99	
3-Nitroaniline	<10	ug/l	9/27/99	
4-Nitroaniline	<10	ug/l	9/27/99	
Nitrobenzene	<5	ug/l	9/27/99	

Life Science Laboratories, Inc.

Page 5 of 6

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Abscope Environmental Inc.
P.O. Box 487
Canastota, NY 13032

Attn: John Herrmann
Phone: (315) 697-8437
FAX: (315) 697-9391

Sample ID: Stockpile

Project No.: 988115

Source: Maestri Site, 904 State Fair Blvd.

LSL Sample ID: 9907176-001

Sample Matrix: SHW, 1wk

Authorization:

LSL Project No.: 9907176

Date Sampled: 9/20/99

Report Date: 9/27/99

Analytical Method

Parameter(s)	Results	Units	Analysis Date	Comment
N-Nitrosodiphenylamine	<5	ug/l	9/27/99	
N-Nitroso-di-n-propylamine	<5	ug/l	9/27/99	
Pyrene	<5	ug/l	9/27/99	
Phenanthrene	<5	ug/l	9/27/99	
1,2,4-Trichlorobenzene	<5	ug/l	9/27/99	

Science Laboratories, Inc.

54 Butternut Drive

East Syracuse, NY 13057

Chain of Custody Record

Phone # (315) 445-1105

Telefax # (315) 445-1301

Contact Person:

LSL Project #:

Client: ALSCOPE ENVIRONMENTAL Phone # 315/697-8437

1 COMMERCIAL DRIVE

Address: P.O. Box 487

Telefax # 315/697-9391

CANASTOTA, NY 13032

Authorization:

Client's Project I.D.: 988115

[illegible]

Notes and Hazard identifications:

- Full list for 8021/8270 (D/N)

- 1 WEEK TAX

Custody Transfers

Containers	Date	Time
Sent By:	Date:	
Containers		
Received by:		
Sampled By: <i>[Signature]</i>	Received By:	
Relinquished By: <i>[Signature]</i>	Received By:	
Relinquished By:	Received for Lab By: <i>[Signature]</i>	9-20-99 1247
Shipment Method:	Samples Received Intact:	Y N

Appendix N
Daily Field notes 6/12/96 – 5/16/1997
& 7/12/1999 – 10/15/1999

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/12/96

Weather: slight rain / humid

Labor and Materials: See Attached Abscope 1 Laborer, 1 Operator, 9 1/2 hrs
 Work Performed: GTI 2 field engr. 2 trucks
 Powerline 3 men,

Buried electric to deion pad, C.W. system, trailers, and blowers
 Set blowers, (built blower pad), assembled & 250 LF of stone pipe
 dug out brush from NE side of site

Work Scheduled:

Run wires, hook up panels + trailers
 dig drainage ditch + ponds
 finish leveling NE side, start remaining NW side's brush
 Set fire extinguishers } Thurs

Prepared By: Bruce M. M.

Client: SMC Maestri

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/13/96

Weather: Hot, scattered showers

Labor and Materials: See Attached

Work Performed:

Put together air duct header inside bldgs.

Started in on drainage ditch

Graded more on site. (Pretty much ready for fence)

Work Scheduled:

Haul road

Finish blower piping

Prepared By: B. M. Z

Client: _____

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/14/96

Weather: Humid, Warm, Sunny

Labor and Materials: See Attached

Work Performed:

Placed blower motors, more blower piping
 Finished trench for building runoff
 Set carbons
 Placed haul road through small + big building
 Electricians set lights in small bldg.

Work Scheduled:

Finish lights
 Lay ADS pipe
 Open C.W. system
 Set pole
 Finish carbon-stack piping

Prepared By: RMZ

Client: _____

Project Name:	SMC Maestri
Project Number:	04100-0334
Project location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/17/96

Weather: Warm, Clear

Labor and Materials: See Attached
 GTI (2)
 Aboscope (2 op.)
 Power line (3)

Work Performed:

Set drainage tile, finished detention pond

Started fence installation

Ordered excavator exhaust piping (due tomorrow)

Placed soil in washed-out area

Piped + installed piping to blowers. (All that's left is the stack + piping from the GACs)

Work Scheduled:

Fence done Thu/Fri

Blowers operational by noon on Tues.

Excavate top 5" on Tues PM

Prepared By: B. TRAPP

Client: Ernest H. Rice
 SMC.

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/18/96

Weather: COOL, HUMID

Labor and Materials: See Attached

Work Performed:

FINISHED AIR PIPING (BY NOON)

FINISHED ELECTRICAL PIPING

CONNECTED SUMP HIGH LEVEL INTERLOCK

AND AN EMPTY, CRUMPLED DRUM + OLD PUMP

Work Scheduled:

FINISH REMOVAL OF TOP 5"

Prepared By: R. M. Z...

Client: E. A. R...
(Sme)

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/19/96

Weather: RAIN.

Labor and Materials: See Attached

Work Performed:

Field modifications to storm water controls

Continue removing top soil (top 5")

Move 2nd downer inlet to small building

Work Scheduled:

Remove 4' of sals

Move fence

Prepared By: B. M. M. Zpp

Client: Ernest H. Rice
(SMC)

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/20/96

Weather: Moderate, Humid

Labor and Materials: See Attached

Work Performed:

Removed 250 yd³ of Top 4' soils

SAMPLED PILES 02 and 03

DECLONED 3/4 yd³ LOADER

RECEIVED 100 HAYBALES

INSTALLED TREATED WATER PUMP + NOSES

INSTALLED DEW PAD PUMP

Work Scheduled:

Place grass seed on back knoll

Make hay bales once fence is completed

Install pump in const. water system

* Put up warning signs, put up tape for different zones

* ~~Process~~ Remove more soils from 4'

* = 1st priorities

Prepared By: R M Zy

Client: Ernest H. Pina
(SMC)

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6-21-88

Weather: Moderate Warm

Labor and Materials: See Attached

Work Performed:

Removed About 600 yd
Sampled PILES 04 + 05

Work Scheduled:

Place Grngs on Back Knoll
Put 4A WARRING S.S.I
Set 4A Screen Plant
Start Screen Piles

Prepared By: David Cool

Client: Everett P. SMC
(SMC)

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/24/96

Weather: COOL

Labor and Materials: See Attached

Work Performed:

Excavated to depth (removed 400 yd³)
 Placed screening plant,
 Fence partially extended along property line
 Talked to Ryan + code officer about property line dispute
 Scheduled G. King to place 2 points on R
 Spent $\approx 3/4$ Hr w/ OP-TECH and OB+G going through site rules + access problems

Work Scheduled:

Remove another 400 yd³, process another 400 yd³
 FINISH FENCE

Prepared By: Brian M Trapp

Client: Everett Rice
 (SMC)

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/25/96

Weather: Light rain

Labor and Materials: See Attached

Work Performed:

Had project meeting
Screened \approx 350 yd³
Didn't remove any more soils

Work Scheduled:

Screen the rest of the top 4', start in on the rest of the removed lower soils

Prepared By: B. M. Zep

Client: Ernest A. Ricci
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/26/96

Weather: COOL

Labor and Materials: See Attached

Work Performed:

Fit tested Abscops employees

State visit by NYSDEC

Switched grizzly unit's orientation

Screened $\approx 400 \text{ yd}^3$ of soil

Sampled $\#$ piles 7 & 8

Moved gas tank to other side of driveway

Moved drillers' supplies through tent ($\approx 3 \text{ hr}$)

Work Scheduled:

Re-screen pile 6

Process 200 yd^3 of new soil through plant

Prepared By:

R M Z

Client:

Eric A. Rina
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/27/96

Weather: WARM, HUMID

Labor and Materials: See Attached

Work Performed:

Hauled up sump to WTP
 Got new YES/NO air badges for NO₂ - 1ppm limit.
 Ordered new loader with smaller ~~loader~~ engine to reduce emissions
 Started screening more dirty soils ($\approx 75 \text{ yd}^3$)
 Reprocessed pile 6 (200 yd³)
 Had serious problems with soil wetness

Work Scheduled:

Get Lime info
 re-screen piles 7 & 8

Prepared By: AMZ

Client: Conrad H. Rios
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	6/28/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Built C.W. system overflow pipe & hooked discharge into system header
 Re-screened piles 7 and 8 (400 yd³)
 Called Powerscreen to take a look at the screening plant
 Summarized week's production and sampling results.

Work Scheduled:

Screen soils removed (sand)
 Make quicklime determination

Prepared By: R. M. Z...

Client: Edward H. ...
 SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	7/1/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

G. King on-site to place 2 more survey stakes.
 Ordered quicklime, ordered filter bags
 Sampled piles 7 & 8 (screened 2x)
 Screened piles 9 and almost all of 10 (375 yd³)

Work Scheduled:

Possibly re-screen pile 6

Prepared By:

B. Maestri

Client:

Ernest H. Reid
 SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	7/2/96

Weather: HOT, STALE

Labor and Materials: See Attached

Work Performed:

Moved water pipes out of excavation

Had project meeting with Don + crew

Had conf. call with Chris and Joe

Stopped work due to high CO levels (approaching FDGTI limit of 12.5ppm)

Finish pile to

Work Scheduled:

Get 1 more FDGTI person here

Get addtl fms

Add lime

move electric lines

Prepared By: Brian Trapp

Client: Ernest H. Rice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/8/96

Weather: Hot, No Wind

Labor and Materials: See Attached

Work Performed:

Added quicklime to two 200 t piles (pile 11 and pile 10)

Screened pile 6 a third time

Put small amount of quicklime down on proposed haul path

Moved electrical out of hole

Out of Scope Work Completed:

Sampled pile 11 (MSP11-0A and MSP11-0B, MTB04) as a pre-screened sandy soil

Work Scheduled:

Screen piles 11 and 10

Dig out 400 yards while mixing with quicklime, let sit for 24hrs

Prepared By: Brian Trapp

Client: *Everett H. Ricci*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

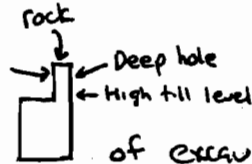
Daily Report

Page:	1 of 1
Date:	7/9/96

Weather: HOT, FAINT BREEZE

Labor and Materials: See Attached

Work Performed:



Excavate thin section of excavation to depth (or hitting rock/till), while adding lime

Screen pile 10, and ~~325~~^{175 123} yd³ of pile 11 (started late - pile 11 done) 67T

Out of Scope Work Completed:

Work Scheduled:

Screen piles 12, 13, rest of 11

Prepared By: BLM

Client: Ernest H. Kline
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	7/10/96

Weather: Mild

Labor and Materials: See Attached

Work Performed:

Finished pile 11 (25 yd³ - and screening & lime)
~~Screened~~ Screened pile 12
 Screened pile 13
 Mixed 9 with lime
 Dug 'test trench' along edge of excavation

Out of Scope Work Completed:

Work Scheduled:

Bring in 3 mix with lime

Prepared By: AMZ

Client: Ernest L. L...
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	7/11/96

Weather: Sunny, Mild

Labor and Materials: See Attached

Work Performed:

Two lime deliveries

Re-Screened pile 9

Screened pile 3 (mixed with lime)

Had project meeting with Chris, Mike, Dave Goddard

Out of Scope Work Completed:

Work Scheduled:

Pile 10, Reject pile

Prepared By: Brian Trapp

Client: Ernest H. Rees
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	7/12/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Re-Screened pile 10

Started reject pile (going through very nicely w/o lime) 75 yds

Pilot quicklime test

Out of Scope Work Completed:

note: Charlie blew up at Dave this AM. ~~and~~ ~~to~~

Work Scheduled:

Prepared By: B. M. Zyl

Client: Everett H. Rice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	7/15/96

Weather: Humid, Showers

Labor and Materials: See Attached

Work Performed:

Screened reject material (125 more yd³)

Started in on pile 3 (2nd time through plant) 75 yd³

Out of Scope Work Completed:

Work Scheduled:

Prepared By: Bm MZ

Client: Ernest H. Rice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/16/96

Weather: Mild

Labor and Materials: See Attached

Work Performed:

Finished pile 3 (125 more yd3) ← Re-screen

Re: 275

Cut back excavation walls to take another sample

Pre: 200

Finished pile 5 (200 yd3)

Blended pile 2 with lime

Re-screened 150 yd3 of pile 9

Out of Scope Work Completed:

Work Scheduled:

Prepared By: Brian Trapp

Client:

Ernest H. Ricci
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/17/96

Weather: Mild

Labor and Materials: See Attached

Work Performed:

Finished pile 9 (50 more yd3)

Screen pile 2 (200 yd3)

Re-screened pile 12 (finished 185 yd3)

Out of Scope Work Completed:

Work Scheduled:

Prepared By: Brian Trapp

Client:

Ernest H. Rice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/18/96

Weather: Mild

Labor and Materials: See Attached

Work Performed:

Finished pile 12 (15 more yd3)

Re-screen pile 10 and 11 (200 yd3 each)

Out of Scope Work Completed:

Work Scheduled:

Prepared By: Brian Trapp

Client: *Ernest H. Ricci*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/19/96

Weather: Rain

Labor and Materials: See Attached

Work Performed:

Q. Screened pile 13 (200 yd3) at slower processing rate.

Out of Scope Work Completed:

Ran the day at the lower processing rate.

Pile #13 was a test Run *

Work Scheduled:

Prepared By: Brian Trapp

Client: *Everett Rice*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_1_ of _1_
Date:	7/22/96

Weather: Humid, warm

Labor and Materials: See Attached

Work Performed:

Started screening pile 12 (25 yards)

Moved pile 5 outside

(Shut down early due to equipment miscalibration)

Out of Scope Work Completed:

Work Scheduled:

Screen pile 12

Screen pile 14 (1st time through)

Excavate 200 yards

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_1_ of _1
Date:	7/23/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Finished screening pile 12 (175 yards)

Screened pile 14 (1st time)

Screened pile 15 (1st time)

Out of Scope Work Completed:

Work Scheduled:

Screen pile 9, 11, 16

Prepared By: Brian Trapp

Client: *Ernest H. Rine*
Sam

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/24/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Re-screened pile 9

Re-screened pile 11

Re-screened pile 12

Re-screened pile 13

Out of Scope Work Completed:

OSHA visit

Work Scheduled:

Screen piles 14, 15

Project meeting

Prepared By: Brian Trapp

Client: *Ernest H. Ricci*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/25/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Re-Screened pile 14 (^{2nd} ~~1st~~ time through plant, with lime)

Shut down for 2 hours due to high NO2 readings.

OSHA inspection - revisit for air monitoring and excavation inspection.

Re-screened pile 15.

Had project meeting.

Out of Scope Work Completed:

Work Scheduled:

Screen piles 10, 16

Prepared By: Brian Trapp

Client:

Everett H. Rice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/26/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Re-screened pile 10

Screened pile 16 (1st time through, with lime)

Repaired faulty GFCI outlet

Extended deck to go past SMC's doorway

Out of Scope Work Completed:

Down for 1.5 hours for PID repair.

Work Scheduled:

Awaiting results of sampling

Prepared By: Brian Trapp

Client: *Ernest H. Rai*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	²⁹ 7/28/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Re-screened pile 15

Re-screened pile 11

Re-screened pile 16

Sampled piles 11, 10, 16 (note- 16 was sampled from 1st screening on Friday.)

Out of Scope Work Completed:

Shut down for 1 hour due to high NO2

Work Scheduled:

Screen piles 9, 13, 11

Prepared By: Brian Trapp

Client:

Ernest H. Ru
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/30/96

Weather: Warm, Humid

Labor and Materials: See Attached

Work Performed:

Repaired building support at end near WWTP.

Re-screened pile 9

Re-screened pile 13

Re-screened pile 14, then screened 150 yards of pile 14 again.

Tied down more back door and anchored bottom due to complaint.

Dug out section of trench where some soil pushed through bottom of tent.

Out of Scope Work Completed:

Work Scheduled:

Screen rest of pile x, 15, and 16 (if lab results indicate re-screening is necessary)

Prepared By: Brian Trapp

Client:

Edward L. Ricci
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	7/31/96

Weather: Rainy, Humid

Labor and Materials: See Attached

Work Performed:

Finished re-screening pile 14 (50 yards)

Re-screened pile 11

Re-screened pile 15

Re-screened pile 16 (finished 100 yards)

Had project meeting with SMC, DEC, and FDGTI

Temporarily fixed big door

Covered stone pile

Work Scheduled:

Screen rest of pile 16, 10 and more if lab results indicate re-screening is necessary

Prepared By: Brian Trapp

Client:

Everett H. P. SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1 _
Date:	8/1/96

Weather: Rainy, Humid

Labor and Materials: See Attached

Work Performed:

Started finishing pile 16 (75 more yd3)

Had project meeting

Started fixing screen - Powerscreen sent wrong size screen. Sent men home.

Tied up doors better, covered more piles

Work Scheduled:

Prepared By: Brian Trapp

Client: *Everett R. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	8/2/96

Weather: Hot

Labor and Materials: See Attached

Work Performed:

Finished fixing screen with Powerscreen

Tied up top of doors better

Ordered haybales for doors

Mounted VOC monitoring points on fences (2hr sample)

USDOL dropped of letter.

Work Scheduled:

Prepared By: Brian Trapp

Client: *Everett H. P.*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	8/5/96

Weather: Humid, hot

Labor and Materials: See Attached

Work Performed:

Finished moving Pile 16

Mounted Minirams on both fences

Got 25 bales of hay, and installed them along the tent.

Screen pile 10

Work Scheduled:

Prepared By: Brian Trapp

Client: *Ernest H. Reed*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	8/6/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Dig appx. 325 yards of new soil

Started to move brush pile to E of road to make room for stockpile

Started to move brush pile to W of road to make room for biopile.

Screen pile 11

Work Scheduled:

Prepared By: Brian Trapp

Client: *Everett H. Root*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8-8-98

Weather: Heavy Rain & Storms

Labor and Materials: See Attached

Work Performed:

Finished Running pile 14, move pile 10 outside
Got Freezer Door and installed Freezer Door
Fix one Blower Set Air Pumps for outside
monitoring

Work Scheduled:

Run pile 17 (5% lime) mix and Run (2)

Prepared By: Dave COON

Client: Edward H. Price
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_1_ of _1_
Date:	8/9/96

Weather: Mild

Labor and Materials: See Attached

Work Performed:

Accepted a truckload of lime

Mixed pile 17 with lime (5%) and added appx 250-300 gallons of system water *Temp. Range 150°-240°*

Screened appx. 1/2 of pile 17, but then had to stop due to broken feeder belt.

Work Scheduled:

Finish pile 17, fix feeder belt.

Prepared By: Brian Trapp

Client: *Everett*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	8/12/96

Weather: Mild

Labor and Materials: See Attached

Work Performed:

Repaired VGAC units

Repaired broken feet belt on screening plant

Dug out around all plant belts and screens

Work Scheduled:

Finish pile 17

Prepared By: Brian Trapp

Client: *Ernest H. Ricci*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/13/96

Weather: COOL

Labor and Materials: See Attached

Work Performed:

Finish pile 17x1 (~100yds)

Finish pile 17x2

Change oil in screening plant (and filters)

Hooked up dust control hoses

Work Scheduled:

Prepared By: BMT

Client: Ernest H. Hui
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/14/96

Weather: Windy, Hot

Labor and Materials: See Attached

Work Performed:

Clean up rest of pile 17

Mix pile 18 with lime + 300 g of water (two 100 yds piles)

Screen ~100 yards of 18

Work Scheduled:

Finish 18

Prepared By:

[Signature]

Client:

Everett H. Shaw
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/15/96

Weather: _____

Labor and Materials: See Attached

Work Performed:

Screened 100 yards of pile 18 the first time
Re-screened 200 yard of pile 18 the 2nd time.

Work Scheduled:

Prepared By:

RMM

Client:

Everett Reed
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/16/96

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Only supposed to do paperwork today.
Had to recover almost all of the tarps at the site.

Work Scheduled:

Prepared By: Jim M

Client: Everett H. Hurd
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/19/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Expose more of rock
Start moving clean soils to other side of site

Work Scheduled:

Move more clean soils

Prepared By: J M Z

Client: Eusebio Rios
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/20/96

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Safety inspection by Floor Daniel and Floor Daniel GTI.

Move soils across site to clean stockpile area.

Work Scheduled:

Dig inside

Prepared By:

[Signature]

Client:

[Signature]
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/21/96

Weather: HOT

Labor and Materials: See Attached

Work Performed:

Start digging back small section of excavation
Grade area for biopiles
Found a drum
Clean out VGAC #2

Work Scheduled:

Dig out small section

Prepared By: R. M. M.

Client: Ernest H. Rhee
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/22/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Dug out the rest of the back, skinny section
 Found another drum at the back by the *
 Collected 3 confirmatory samples (1,2,3)
 Had project meeting



Work Scheduled:

Dig out rock

Prepared By:

R. M. Zyl

Client:

Everett R. Reed
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/23/96

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Started diggin on the rock with the tiger teeth

Greg performed air permeability testing

Sampled the smaller, pickup-sized water tank

Had project meeting

Sent back the vac truck that brought water

Work Scheduled:

Prepared By: Brian Trapp

Client:

Everett H. Rice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/26/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Move piles outside into SVOC stockpiling area.

(Moved piles 14, 15, half of 16, 18)

Accepted delivery of liner

Covered pile

Cleaned 500 Gal Holding Tank - Run rinse - and test -
sample to CES to determine Clean.

Work Scheduled:

Paperwork only for Friday

Prepared By: Brian Trapp

Client: *Ernest H. Reed*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/27/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Move piles outside into SVOC stockpiling area.

Start removing the bottom buildup inside the enclosure

Sampled floor

Dig more in skinny section of excavation, by MVW03.

Dug out PZ-16 to bottom of casing.

Work Scheduled:

Prepared By: Brian Trapp

Client:

Everett Allen
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	8/28/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Fixed belts on blowers

Move out more SVOC soils

Mark out spaces for 2 more biopiles

Dug back more in skinny section, to MVW04 and 05.

Put on tiger teeth, dug out more rock.

Work Scheduled:

Prepared By: Brian Trapp

Client: *Ernest H. Red*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1 _
Date:	8/29/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Dig out more rock

Greg worked on shroud all day

Grade biopile base

Work Scheduled:

Prepared By: Brian Trapp

Client: *Everett Rice*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	__1__ of __1__
Date:	8/30/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Greg done with shroud by noon.

Grade in biopiles for the 4" of sand

Accepted sand deliveries

Got piping delivered.

Work Scheduled:

Prepared By: Brian Trapp

Client:

Everett H. [Signature]
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1 _
Date:	9/3/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Placed sand in first biopile

Rolled out liner for first biopile

Started scraping up the floor in the second part of the building.

Work Scheduled:

Prepared By: Brian Trapp

Client:

Everett H. Shaw
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/4/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Scraped up more of the floor in the building.

Start screening the rock previously excavated. Agreed to count the buckets as the basis for establishing the volume of rock removed.

Screened 45 buckets of rock (at 3 yd³ per bucket, an equivalent of 135 yards of rock)

Put reject from rock material into reject pile.

Work Scheduled:

Finish screening rock, scrape up more of the floor.

Prepared By: Brian Trapp

Client: *Edward H. Hise*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/5/96

Weather: Warm

Labor and Materials: See Attached

Work Performed:

Spread more stone on the biopile. Fixed 3 rips in the liner from the excavator teeth.

Screened 32 more buckets of rock (96 cubic yards)

(95) BMT

Work Scheduled:

Place soils in biopiles

Prepared By: Brian Trapp

Client:

Everett H. Ricci
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/6/96

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Started placing soils of the biopile from pile "Floor1". Everett suggested running the soils through the plant one more time to get the correct particle size.

Fixed one more hole in the liner

John Abraham brought us 11 bags of vermiculite from Novak

Ran appx. 250 of the 300 yard "floor1" pile

Work Scheduled:

Screen the rest of Floor1, and screen and place all of Floor2

Prepared By: Brian Trapp

Client: *Everett H. Rios*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/9/96

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Finished screening and placing pile "Floor1" on the biopile (appx 50 more yards).

Almost finished screening and placing pile "Floor2" on the biopile. Floor2 was 357 yards, based on a count of 119 3yd3 buckets of soil through the plant.

Moved pile 12 into the biopile.

Moved some of the SVOC soils stockpiled into the biopile.

Work Scheduled:

Screen pile 19, and maybe 20.

Finish pile "Floor2"

Prepared By: Brian Trapp

Client: *Everett & Sons*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/10/96

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Finished screening the Floor2 pile *249 yrd*

Added additional furnace filters to air treatment system to cope with the large amounts of dust generated inside the building

Work Scheduled:

Prepared By: Brian Trapp

Client:

Ernest H. H. H.
Sme

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1
Date:	9/11/96

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Moves 220 yd3 of pile 19 and 100 yd3 of pile 20 outside.

Scraped up 7 buckets from around screening plant

Accepted delivery of 30' by 1150' liner

Finished prep of 2nd biopile base

Accepted delivery of wood chips

Work Scheduled:

Prepared By: Brian Trapp

Client:

Everett H. Patti
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	_ 1 _ of _ 1 _
Date:	9/12/96

Weather: Cool, intermittent rain

Labor and Materials: See Attached

Work Performed:

Start building second biopile

Removed lower screen in screening plant

Accepted fertilizer delivery

Accepted filter fabric delivery

Move rest of pile 20 (100 yd3)

Moved 100 yards of the soil generated by rock pile 21 and 22 (100 yards)

Moved 370 yards of scraping the small enclosure (100' by 200' by 6")

Covered piles at night

Work Scheduled:

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/13/96 Friday

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Mixed and screened 120 yd3 of soil

Dug 360 yd3 of soil

Accepted vermiculite delivery

Work Scheduled:

Prepared By: Brian Trapp

Client: *Ernest A. Price*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/14/96 Saturday

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Mixed and screened 240 yd3 of soil

Work Scheduled:

Prepared By: Brian Trapp

Client:

Everett H. H.
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project ation:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/16/96 Monday

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Screened 220 yd3 of soil

Dug 420 yd3 soil

Mixed 200 yd3 soil

Work Scheduled:

Prepared By: Brian Trapp

Client:

Everett H. Reed
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/18/96 Wednesday

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Dug 20 yd3 soil

Dug 50 yd3 rock

Screened 200 yd3

Mixed 200 yd3 with nutrients

Work Scheduled:

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/19/96 Thursday

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Dug 200 yd3 soil

Placed sand on biopile

Placed liner on biopile

Mixed 200 yd3 with nutrients

Work Scheduled:

Prepared By: Brian Trapp

Client:

Everett H. Rao
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/20/96 Friday

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Dug 120 yd3 soil

Dug 39 yd3 rock

Screened 200 yd3 of material

Mixed 120 yd3 of soil with nutrients

Had local police stop by about a neighbor's complaint of mud on the road. Started a visual inspection of the trucks' tires leaving the site.

Placed peastone on the big biopile base

Work Scheduled:

Prepared By: Brian Trapp

Client: *E. A. H. R.*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/21/96 Saturday

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Finished placing peastone and filter fabric on the biopile base.

Moved out appx 350 yd3 to the biopile

Work Scheduled:

Prepared By: Brian Trapp

Client:

Ernest H. Rao
Sme

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/23/96 Monday

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Screened 22 buckets of rock (66 yd³)

Screened 220 yd³ of soil

Accepted blower delivery

Moved more soils outside

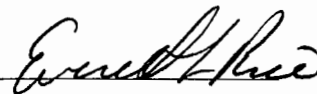
Dug 100 yd³ soil - ER

Dug 27 yd³ rock - ER

Work Scheduled:

Report printed: 9/26/96 10:09

Prepared By: Brian Trapp

Client: 

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/24/96 Tuesday

Weather: Cold

Work Performed:

Moved more soil outside. Also worked on the lime biopile.

Dug 250 yd3 of dirt.

Screened 125 yd3 of soil.

Dug 50 yd3 of rock.

44 (15 buckets) amt - ER

Work Scheduled:

Report printed: 9/26/96 10:17
Prepared By: Brian Trapp

Client: *Everett*

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/25/96 Wednesday

Weather: Cool, rain

Work Performed:

Put in vapor header line in the first lime pile.

Finished cleaning up yesterday's 44 yd3 of rock, and added nutrients

Screened 44 yd3 of rock.

Screened remainder of 200 yd3 pile. (75 yd3)

Screened 100 yd3 of additional soil.

Plumbed in air lines for new biopile.

Dug 100 yd3 of soil - CR

Work Scheduled:

Report printed: 9/26/96 10:24

Prepared By: Brian Trapp

Client: *Everett H. Reed*

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/26/96 Thursday

Weather: Cold

Work Performed:

Repaired broken water line to RW 5

Installed water lines in first biopile.

Started up blower for the lime biopiles per Joe MacArthur's request.

Surveyed middle of excavation.

Screened 24 yd³ of material, mixed yesterday with nutrients.

Dug 100 yd³ of soil.

Dug 24 yd³ of rock.

Work Scheduled:

Dig more

Screen more

Report printed: 9/27/96 8:37

Prepared By: Brian Trapp

Client: *Everett H. Rice*

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/27/96

Weather: COLD

Labor and Materials: See Attached

Work Performed:

Placed new light plant

Dug 100 yd³ of soil

Screened 100 yd³ in AM (mixed w nutrients)

Work Scheduled:

Prepared By: pm

Client: Everett

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/28/96

Weather: COLD & Windy & RAINY

Labor and Materials: See Attached

Work Performed:

Recovered soil piles all day - heavy wind and rain all day long.

Work Scheduled:

Dig & Screen

Finish 2nd biopile

Prepared By:

R. M. [Signature]

Client:

Everett [Signature]

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	9/30/96 Monday

Weather: Cold

Work Performed:

Pulled inoperative sump pump.

Placed new 'mudsucker' pump in large section of excavation.

Placed new 1,100 gallon holding tank.

Placed temporary sump in large section of excavation.

Screened 40 buckets of soil. (100 yd³ - after cleanup & such)

Placed frac tank at night.

Work Scheduled:

Dig more

Screen more

Report printed: 10/1/96 7:59

Prepared By: Brian Trapp

Client: *Ernest A. Ricci*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/1/96

Weather: Cool

Labor and Materials: See Attached

Work Performed:

Screened 20 yd³

Set pumps & sump all day

Dug 20 yd³ (10 yd³ rock 10 yd³ soil)

Work Scheduled:

Level B

Prepared By:

RMZ

Client:

Edward H. Maestri
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/2/96 Wednesday

Weather: Cold

Work Performed:

Pulled inoperative sump pump.

Placed new trash pump in large section of excavation.

Performed level B training with Tom, Dave, Jim, Brian, and Everett.

Started level B work inside the building.

Dug 10 yards of rock from the narrow section of the excavation.

Dug 190 yards of soil from the sides and bottom rear of the excavation.

Started pumping from frac tank to WWTS

Fixed 'freezer strip' door.

Work Scheduled:

Dig out North wall to tent.

Keep pump running.

Report printed: 10/3/96 9:08

Prepared By: Brian Trapp

Client: *Everett H. Smith*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/3/96 Thursday

Weather: Cool

Work Performed:

Dug 200 yd³ from the north face of the excavation - wall is now back all the way to the tent.

Mixed and screened 100 yd³ of soil.

Work Scheduled:

Report printed: 10/7/96 15:12

Prepared By: Brian Trapp

Client: *Ernest H. Hui*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/4/96 Friday

Weather: Cool

Work Performed:

Removed PZ-11 (Appx 20.5 feet deep, from N section of excavation)

Dug 162 yd3 of soil.

Mixed and screened 262 yd3 of soil.

Processing was slow due to the extremely high moisture content of the soils.

Work Scheduled:

Report printed: 10/7/96 14:46

Prepared By: Brian Trapp

Client: *Everett H. Hui*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/5/96 Saturday

Weather: Cool

Work Performed:

Moved piles 33 and 34 outside to SW section of biopile (from 0 to 4 feet high)

Cleaned up around screening plant.

Work Scheduled:

Report printed: 10/7/96 14:42

Prepared By: Brian Trapp

Client: *Everett*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/7/96 Monday

Weather: Cool

Work Performed:

Dug 300 yd3 from the south face and floor of the excavation - included 10 yd3 of rock
Mixed and screened 150 yd3 of soil.

Work Scheduled:

Finish digging, place trench.

Report printed: 10/8/96 14:14
Prepared By: Brian Trapp

Client: *Everett H. Reisi*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/8/96 Tuesday

Weather: Cool

Work Performed:

Dug 150 yd3 from the east face and floor excavation - included 10 yd3 of rock

Mixed and screened 100 yd3 of soil.

Sampled two of the floor locations.

Started in on the "L" shaped section - no digging, but did prep work.

Work Scheduled:

Finish digging, place trench.

Report printed: 10/9/96 10:32

Prepared By: Brian Trapp

Client: *Everett H. Hise*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/9/96 Wednesday

Weather: Cool

Work Performed:

Dug 75 yd3 from the "L" shape - included 4 yd3 of rock

Mixed and screened 300 yd3 of soil.

Sampled one of the "L" locations.

Work Scheduled:

Sample rest of "L", and East wall

Report printed: 10/10/96 10:06

Prepared By: Brian Trapp

Client: *Everett H. Rues*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/10/96 Thursday

Weather: Cool

Work Performed:

Dug out "L" shape. Removed 394 yd3 of soil, and 10 yd3 of rock from "L".

Sampled "L" shape.

Mixed and screened 325 yd3 of soil.

Work Scheduled:

Report printed: 10/16/96 7:38

Prepared By: Brian Trapp

Client: *Everett H. Rie*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/11/96 Friday

Weather: Cool

Work Performed:

Mixed and screen 204 yd3 of soil (the remaining soil stockpiled in the building)

Started bringing soil outside onto the biopile.

Re-scheduled building removal.

Work Scheduled:

Dig out "L" shape, move all soils outside to biopile

Report printed: 10/14/96 11:24

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/12/96 Saturday

Weather: Cool

Work Performed:

Move soils outside to biopile.

Work Scheduled:

Dig out "L" shape, move all soils outside to biopile

Report printed: 10/14/96 11:24

Prepared By: Brian Trapp

Client: *Everett H. Smith*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/14/96 Monday

Weather: Cool

Work Performed:

Move soils outside to biopile.

Work Scheduled:

Dig out "L" shape.

Report printed: 10/15/96 7:56

Prepared By: Brian Trapp

Client: *Everett H. Rie*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/15/96 Tuesday

Weather: Cool

Work Performed:

Removed 200 yd3 of potentially clean soil from the "L" section.

Removed 25 yd3 of contaminated rock

Removed 175 yd3 of contaminated soil.

Potentially clean soil was placed near the clean, limed soil stockpile.

All contaminated material was placed inside the building, near the screening plant.

Work Scheduled:

Finish L shape, sample to determine if the walls are clean.

Report printed: 10/16/96 7:26

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/16/96 Wednesday

Weather: Cool

Work Performed:

Dug more out of "L" shape (100 yd3 - 65 of soil and 35 of rock).

Mixed and screened 300 yd3 of soil.

Fixed excavator's hydraulic line.

Work Scheduled:

Report printed: 10/21/96 16:02

Prepared By: Brian Trapp

Client: *Everett Hise*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/17/96 Thursday

Weather: Cool

Work Performed:

Dug more out of "L" shape (300 yd3 - 265 of soil and 35 of rock).

Mixed and screened 170 yd3 of soil.

Fixed excavator's hydraulic line.

Work Scheduled:

Report printed: 10/21/96 16:04

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	of
Date:	10/18/96

Weather: Windy and mid 50s partly sunny

Labor and Materials: See Attached

Work Performed:

~~Excavated south~~

- excavated some material from South End
- moved to North End and used hoe punch to break rock
- Pulled broken rock up top at North end
- Ran rock through screen to make room in process area
- Started 2 rock pits by SMC trailer covered w/plastic
- hung door back on process entrance
- Tarped

Work Scheduled:

- finish running rock
- clean process area
- excavate North End
- Move Powerscreen

Prepared By: Tim Adair

Client: Everett H. Maestri
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/17/96 Thursday

Mon.

Weather: Cool

Work Performed:

Re-screening rock (80 buckets) from reject pile, plus 20 yd³ of scraping around the plant.

Pulled out plastic from the waste piles.

Cleaned up around the plant, and moved it to the small building.

Work Scheduled:

Report printed: 10/22/96 8:26

Prepared By: Brian Trapp

Client: *Edward H. Reed*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project ation:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/22/96 Tuesday

Weather: Cool, light rain

Work Performed:

Dug 170 yd3 of rock from the "L" shape with the hoeram and excavator.

Screened all but 50 yd3 of the rock removed, and all of the 200 yd3 stockpiled inside the bldg.

Cleaned up around the plant, and moved it to the small building.

Work Scheduled:

Finish screening leftover rock from "L"

Dig out area by screening plant.

Report printed: 10/23/96 19:48

Prepared By: Brian Trapp

Client: *Everett H. Ricci*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/24/96 Thursday

Weather: Cool, light rain

Work Performed:

Moved about 1/2 of the soil stockpiled in the small side of the building out to the biopile

Work Scheduled:

Move the rest of the soils outside to the biopile, and dig out the screening plant end.

Report printed: 10/25/96 11:32

Prepared By: Brian Trapp

Client: *Everett H. Rian*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/25/96 Friday

Weather: Cool, light rain

Work Performed:

Moved all of the soil in the small building into the biopile.

Dug 210 yd3 of soil from screening plant.

Work Scheduled:

Finish digging south end of excavation.

Screen all the excavated soils.

Report printed: 10/28/96 7:45

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/28/96 Monday

Weather: Cool, light rain

Work Performed:

Mixed and screened 120 buckets of soil. (320 yd³)

Moving soil outside to the biopile.

Screening plant broke around 6:00 - the bottom belt broke in two. Called Powerscreen

Dug 40 yd³ of more soil (20 rock, 20 soil)

Work Scheduled:

Report printed: 10/31/96 10:00

Prepared By: Brian Trapp

Client: *Ernest H. Rine*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/7/96

Weather:

Work Performed:

Powerscreen on-site to repair the split belt on the screening plant.

Moved some of the limed soil over to the biopile (appx 50 yd3)

Powerscreen done at 3:00. Commenced diggin in level B by the old screening plant (east) side of the excavation. Finished digging that area, removed 450 yd3 of contaminated soil.

Screened 130 yd³

Work Scheduled:

Report printed: 11/7/96 7:27

Prepared By: Brian Trapp

Client: *Ernest H. Rie*
Some

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/30/96 Wednesday

Weather:

Work Performed:

Sampled excavation limits.

Put some limed soil onto the biopile at the end.

~~Dug in level B at the end of the screening plant. Removed 450 yds of soil.~~

Screened 400 yds of soil

Work Scheduled:

Report printed: 11/5/96 17:27

Prepared By: Brian Trapp

Client: *Everett H. Rine*
smc

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	10/31/96 Thursday

Weather:

Work Performed:

Dug appx 350 yd³ out of the end of the big ten, and mixed it with nutrients

Dug in an access ramp to the excavation

~~Dug in level B at the end of the screening plant. Removed 450 yd³ of soil.~~

Work Scheduled:

Report printed: 11/6/96 10:42

Prepared By: Brian Trapp

Client: *Everett Ried*
gme

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/1/96 Friday

Weather:

Work Performed:

Took apart the air duct work.

Finished digging the big part of the tent, and moving it outside.

Moved screening plant outside to decon pad.

Dug and mixed 150 yd³ out of the small tent.

Re-screened 175 yd³ of rock

Work Scheduled:

Report printed: 11/6/96 10:44

Prepared By: Brian Trapp

Client: *Everett H. Reed*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/2/96 Saturday

Weather: .

Work Performed:

Turned off air treatment system.

Removed soil from the small building.

Pressure washed entire building with the hydroseeder.

Work Scheduled:

Report printed: 11/6/96 10:45

Prepared By: Brian Trapp

Client: *Everett L. Reed*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/8/96 Friday

Weather: Heavy Rain

Work Performed:

Re-worked drainage ditch to divert water away from the excavation.

Replaced RW-5, put new pump in main excavation sump.

Moved Powerscreen back to Monday.

Work Scheduled:

Report printed: 11/11/96 6:50
Prepared By: Brian Trapp

Client: *Everett H. Ricci*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/12/96 Thursday

Weather: light rain

Work Performed:

Moved the lime and topsoil piles from in front of the small building.

Filled in more of the area in front of the sump.

Put the soaker hoses together, and started making the "H"es.

Took apart the blowers, and moved them out of the way.

Loaded up the jersey barriers.

Everett handed out the community letters.

Scraped up the mud on the road with the whole crew.

Work Scheduled:

Report printed: 11/12/96 15:33

Prepared By: Brian Trapp

Client: *Everett H. Maestri*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/6/96 Wednesday

Weather:

Work Performed:

Moved lime and chips piled in front of the door.

Dozed the areas in front of the building

Switched the RW4 over to the sump area at 4:00

Swept the road before leaving for the day

Work Scheduled:

Report printed: 11/7/96 16:24

Prepared By: Brian Trapp

Client: *Everett H. Hae*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/5/96 Tuesday

Weather:

Work Performed:

Started working on the drainage layer. Set and wrapped pipe from the sump to the "East" of the excavation. Backfilled that entire area with the 'clean' stone stockpiled around the site.

Work Scheduled:

Report printed: 11/6/96 10:49

Prepared By: Brian Trapp

Client: *Everett H. Rait*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/4/96 Monday

Weather:

Work Performed:

Met with Universal on site, went over H&S plan. They left to go get their safety gear and the work crew never came back. The supervisor and I discussed what they needed to have done on Thursday so they could get right to work.

Barb gave us a verbal report that all of the samples recently submitted were clean.

Dug, mixed, and moved 350 yd³ from the small building, finishing that side.

Work Scheduled:

Report printed: 12/6/96 13:55

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/11/96 Monday

Weather: Cold, scattered flurries

Work Performed:

Universal on-site at appx. 12:30, but left to go check in. They got back on-site at around 1630.

They just moved weights off today.

Switched the sump from RW-4's totalizer to the existing decon water totalizer in order to improve the flowrate.

Powerscreen arrived and brought the stacker unit back to the shop. They'd return Wed. for the screening plant.

Work Scheduled:

Report printed: 11/12/96 9:27

Prepared By: Brian Trapp

Client: *Eric H. Hui*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/12/96 Tuesday

Weather: light rain

Work Performed:

Universal started taking down the small tent. It was almost finished (except dismantling the steel)

Hooked up the new baker tank and kept pumping the excavation out.

Jim moved soil down from the clean section into the hole.

Filled the new Baker tank.

Work Scheduled:

Report printed: 11/14/96 11:53

Prepared By: Brian Trapp

Client: Ernest H. Reed
Sme

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/12/96 Tuesday

11/13/96
Wed

Weather: light rain

Work Performed:

Universal unbolted and loaded out all of the steel associated with the small building.

They left around 4 to return once their second truck returned at 6:15 to finish loading it up.

They couldn't do any more work because they couldn't get a big enough manlift to the site.

Abscope crew moved more decon pad materials out of the way and did more prep work.

Laid the road inside the building today with 5 truckloads of the 4 minus material and 4oz filter fabric, double rolled. Looked nice, and went the entire length of the built up section.

Work Scheduled:

Report printed: 11/14/96 11:57
Prepared By: Brian Trapp

Client: *Everett L. Har*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/14/96 Thursday

Weather: Very cold

Work Performed:

Universal cew on-site at 9:00. They were mostly idle until the manlift showed up at noon. Shoveled some snow off the sides of the tent.

Jim and Jerry pushing cobbles into the excavation. This raised the level to appx 4"-6" above the water.

Universal got 3 sections uncovered.

Work Scheduled:

Report printed: 11/16/96 15:29

Prepared By: Brian Trapp

Client: *Everett*
5me

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/15/96 Friday

Weather: Very cold

Work Performed:

Crane guy on-site. Started swinging over the detensioned arches.

Dave F. from Universal showed up and had us take a sample of the tent.

Universal got to appx 1/2 of the big tent finished.

Hooked up 3 new carbons in paralell with the existing 3 unit in the WWTS. Flow up to 7-8 gpm.

Emptied the tank nearest the building so that it could be moved.

Ran the excavation sump out of the WWTS to the baker tank so that it wouldn't stop pumping.

Pumped out of the same baker tank, back through the existing system.

Work Scheduled:

Report printed: 11/16/96 15:32

Prepared By: Brian Trapp

Client: *Everett H. Hain*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/16/96 Saturday

Weather: Cool

Work Performed:

Moved the empty Baker tank (had to buy new cables).

Moved the carbon drums and the concrete sump out of the way.

Pulled the manlift out of the low section with the big dozer.

Dozing an access path to the other side of the excavation, so the gradeall can get across the pit.

Filled in the sections of the trench that the crane operator indicated he required for a base.

Work Scheduled:

Report printed: 11/25/96 17:07

Prepared By: Brian Trapp

Client: *Ernest H. H.*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/17/96 Sunday

Weather:

Work Performed:

Karl, Jerry and 11 Universal guys on-site.

Universal continued working on the big building. Four arches with fabric left to go.

WWTP ran at 7.5 gpm

Deconned small loader and D6 dozer. Pulled electric lights from excavation area.

Final arch on ground by 2 PM

Work Scheduled:

Report printed: 12/6/96 14:07

Prepared By: Brian Trapp

Client: *E. H. Rini*
SMC

Arrived on-site 11:00 AM Counted only 7 universal
men on-site plus crane operator. Was here
for 2 hrs.

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/18/96 Monday

Weather: Overcast

Work Performed:

Karl, Jim, and 5 Universal guys on-site

Jim used the excavator to pull Universal's base plates.

Two high pressure carbon units delivered.

Finished deconning the small loader.

Work Scheduled:

Report printed: 12/6/96 14:10

Prepared By: Brian Trapp

Client: *Eusebio H. Rio*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/19/96 Tuesday

Weather: Cool, rainy

Work Performed:

Dave, Jim, Jerry, and 5 Universal guys on-site.

Mixed baking power into half of the clean soil, limed pile.

Found the oil spilled by Universal. Cleaned up spill.

~~Finished decontaminating the small loader.~~

Work Scheduled:

Report printed: 12/6/96 14:12

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/20/96 Wednesday

Weather: Snow, rain

Work Performed:

Dave, Jerry, and Jim on-site.

Miked second half of clean, limed soil with the baking power. Field tested pH, then began back-filling the hole with the clean soils.

Work Scheduled:

Report printed: 12/6/96 14:14

Prepared By: Brian Trapp

Client: *Ernest H. Rie*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/21/96 Thursday

Weather:

Work Performed:

Dave, Jim, and Jerry on-site.

Started digging more from the excavation. Removed 100 yd3 of soil and 10 yd3 of rock.

Broke the electric line to the water treatment building. Temporarily repaired the line and got electricians out to permanently repair the electric service.

Work Scheduled:

Report printed: 12/6/96 14:16

Prepared By: Brian Trapp

Client: *Eugene A. Rice*
some

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/25/96 Monday

Weather: Cool

Work Performed:

Thawed out the lines from the trash pump, and the lines from the baker tank pump.

Dug more out of the skinny section (appx 20 yd3), stockpiled in the hole.

Sampled Wall 03 and 05

Graded area for the fourth biopile (50' by 125') near the old small building location.

Work Scheduled:

Report printed: 11/26/96 8:26

Prepared By: Brian Trapp

Client: *Ernest H. Smith*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/26/96 Tuesday

Weather: Cold

Work Performed:

Started the biopile base preparation for the fourth biopile. (Sand, liner, gravel)

Added extra stone under biopile edges for stability in muddy areas.

Work Scheduled:

Report printed: 12/4/96 7:36

Prepared By: Brian Trapp

Client: *E. H. H.*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	11/27/96 Wednesday

Weather: Cold

Work Performed:

Continued working on the fourth biopile base. Very muddy and cold out.

Moved the rest of the topsoil pile to the other side of the site - out of the way of the 4th pile.

Conklin was on-site to begin cleaning a Baker tank. They had to return Mon.

Used 85 yd3 of reject limed stone in the biopile base.

Work Scheduled:

Report printed: 12/4/96 7:39

Prepared By: Brian Trapp

Client: *Everett H. ...*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/2/96 Monday

Weather: Cool, 30-40 degrees

Work Performed:

Repaired the damage from the long weekend's thaw and wind storm (recovered big biopile)

Laid some new hay bales along the west fence line near Phil's house in response to his phone call.

Dug appx 15 more yards out of the excavation side wall where it looked contaminated.

Bailed water out of the diesel tank dike and dumped it in the WWTS sump.

Gravel placement finished on the fourth biopile.

Began pumping out of a new Baker tank.

Work Scheduled:

Report printed: 12/4/96 7:44

Prepared By: Brian Trapp

Client: *Ernest H. Rini*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/3/96 Tuesday

Weather: Cool, 30-40 degrees

Work Performed:

Helped Everett and John dig out near RW03 in order to fix the pitless adapter

Finished laying the "H"es for the biopile base, and rolled out the filter fabric.

Karl repaired the small biopile's piping system where the snow and wind had knocked a line loose.

Made more sanbags for the new biopile.

Pumped down and cleaned up the decon pad.

Placed the first limed soil pile (appx 300-400 yards) onto the new biopile with the excavator)

Moved the storage area for the pipe fitting to inside the trailer.

Work Scheduled:

Report printed: 12/4/96 7:48

Prepared By: Brian Trapp

Client: *Everett H. Reed*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/4/96 Wednesday

Weather: Cool, 30-40 degrees

Work Performed:

Caught up with air monitoring paperwork.

Had to recover a small section of the big biopile.

Abscope's mechanic changed the fluids on the machines on-site.

Jim moved some more soils onto the fourth biopile. The pile is now appx 5' high.

Installed the 4" bulkhead fitting through the bottom layer. Difficult because of the mud and slop.

Improved the down gradient edge of the biopile with stone and by curling up the edges.

Surveyed in the potential edges of the trench and detention pond.

Chris, Dave C, Paul, and Everett all met with Phil Ryan about his drainage concerns.

Filled more sandbags to place on the big biopile.

Work Scheduled:

Report printed: 12/4/96 16:26

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/5/96 Thursday

Weather:

Work Performed:

Placed the sump near the fourth biopile.

Connected the biopile

Started placing the orange fence around the excavation.

~~Electricians begin fixing broken electrical service to the WWTS.~~

~~Collected more soil pH samples.~~

Work Scheduled:

Report printed: 12/6/96 16:10

Prepared By: Brian Trapp

Client: *E. J. R. R.*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/6/96 Friday

Weather:

Work Performed:

Cleaned up big biopile edge and base, preparing for drainage layer connection.

Grouted bottom sump seal.

Work Scheduled:

Report printed: 12/6/96 16:44

Prepared By: Brian Trapp

Client: *Everett R. R.*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/9

Weather: Cold Flurries

Labor and Materials: See Attached

Work Performed:

Uncovered liner on Big Bio Pile and connected bulkhead fitting to piping. Dug a trench approximately 4' deep and installed Drain lines from sump to the Bio Pile

Work Scheduled:

Prepared By:

Karl Faden

Client:

Everett H. Rice
SMC

Project Name:	SMC Maestr
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/10

Weather: cold

Labor and Materials: See Attached

Work Performed:

Cleaned off building Pad and Pumped water off
decon pad. Set up Carbons and plumbing for
temporary water treatment. Removed 30 yards of
soil from side wall of leaky section

Work Scheduled:

Prepared By:

Karl Fisher

Client:

Ernest H. Reed
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/11/96

Weather: Cold

Labor and Materials: See Attached

Work Performed:

Continued digging product in sidewalk section
removed approximately 80 yards to bio pile # 4
Completed hookup of Temp Water Treatment
System

Work Scheduled:

Prepared By:

Paul Ladner

Client:

Everett H. Rice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/12/96

Weather: Cold

Labor and Materials: See Attached

Work Performed:

Removed approximately 150 yards of soil from
sidewall section. Mixed fertilizer and wood
chips on bio pile #4. Installed ventilation
pipes in bio pile

Work Scheduled:

Prepared By:

Rail Jaden

Client:

Everett H. Rios
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	___ of ___
Date:	11/22/96

Weather: 30-35°F Light Snow

Labor and Materials: See Attached

Work Performed:

Backfilled Excavation with remaining mixed Baking soda/trime soils.
Put up orange construction Safety Fence around excavation
put Hay bales around site. Air monitoring performed around site.

Tested pH of Ground water in excavation 7.8-8.5

Tested Water treatment effluent pH =

Electricians on-site to fix power lines and phone.

Sent 2 soil samples to CES Labs for 8010/8020/8270 analysis

Sent 2 soil samples to CES Laboratories for pH testing

Tested pH of mixed soils = 9.0 (field)

Work Scheduled:

Grout in MW-7. Excavate remaining contaminated soil at the
north end of excavation.

Prepared By: Mike Sykes

Client: *E. A. H.*
Sme

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/13/96

Weather: Rain

Labor and Materials: See Attached

Work Performed:

Unable to work due to weather. Installed
Hay bails to control runoff

Work Scheduled:

Prepared By: Rail Jachne

Client: Ernest H. Rios
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/16/96 Monday

Weather:

Work Performed:

Started pumping water to the new WWTS.

Cleaned up the plastic around the site.

Placed hay bales around the perimeter of the site.

Work Scheduled:

Report printed: 1/2/97 13:52

Prepared By: Brian Trapp

Client: *Everett H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/17/96 Tuesday

Weather:

Work Performed:

Allied Electric on-site.

Pumped water from the large excavation.

Sampled the drum on the decon pad for PCB 880, 820, 8270, and RCRA metals.

Work Scheduled:

Report printed: 1/2/97 13:52

Prepared By: Brian Trapp

Client: *Ernest H. Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/18/96 Wednesday

Weather:

Work Performed:

Removed soil from the upper excavation area near the WWTP.

Pumped more water out of the sidewall "seeping" section.

Pumped down the decon pad.

Dug out of the "seeping" section.

Work Scheduled:

Report printed: 1/2/97 13:50

Prepared By: Brian Trapp

Client: *Ernest H. Ricci*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/19/96 Thursday

Weather:

Work Performed:


Straightened out the cover on the large biopile.

Pumped more water through the WWTS.

Work Scheduled:

Report printed: 1/2/97 13:55

Prepared By: Brian Trapp

Client: 
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/20/96 Friday

Weather:

Work Performed:

Pumped more water through the WWTS

Work Scheduled:

Report printed: 1/2/97 13:49

Prepared By: Brian Trapp

Client: *Everett Rice*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/21/96 Saturday

Weather:

Work Performed:

Pumped more water through the WWTS

Work Scheduled:

Report printed: 1/2/97 13:49
Prepared By: Brian Trapp

Client: *Everett H. Brie*
Smc

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/22/96 Sunday

Weather:

Work Performed:

Pumped more water through the WWTS

Work Scheduled:

Report printed: 1/2/97 13:48

Prepared By: Brian Trapp

Client: *Everett H. Bee*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/23/96 Monday

Weather:

Work Performed:

Pumped more water from the excavation.

Removed soil from the "seep" second excavation, and moved it to the stockpile area.

Took soil confirmation samples from the clean soil removed, three walls of the excavation (the fourth was shared by the old excavation), and the floor of the excavation.

Work Scheduled:

Report printed: 1/2/97 13:48

Prepared By: Brian Trapp

Client: *Ernest H. Price*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/24/96 Tuesday

Weather:

Work Performed:

Secured the biopiles with pallets

Accepted a wood chip delivery

Work Scheduled:

Report printed: 1/2/97 13:46

Prepared By: Brian Trapp

Client: *Everett H. Rie*
Sam

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/29/96 Sunday

Weather:

Work Performed:

Pumped water from the excavation

Work Scheduled:

Report printed: 1/2/97 13:45

Prepared By: Brian Trapp

Client: *Ernest H. Ricci*
SMC

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/30/96 Monday

Weather:

Work Performed:

Recovered the small biopile tarp

Start digging in the trench, building a base so the excavator has a proper reach.

Soil removed today was stockpiled on the bank to be moved later.

Work Scheduled:

Report printed: 1/2/97 13:44

Prepared By: Brian Trapp

Client: *Ernest H. Ricci*
SMC.

Project Name:	SMC Maestri
Project Number:	01110-0531
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	12/31/96 Tuesday

Weather:

Work Performed:

Digging more out of the floor area. Had to go deeper until till at the WWTP end of the excavation.

Moving soil over to the old stone stockpile area with the 2nd excavator and the loader.

Sample the sidewall and the floor. The floor sample was till.

Work Scheduled:

Report printed: 1/2/97 13:58

Prepared By: Brian Trapp

Client: *Ernest H. Phil*
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	5/16

Weather: Light rain mid-day. Cool.

Labor and Materials: See Attached

Work Performed:

Removed electrical pole from nearby w.t. shed.

Hand dug to find old service.

Ran new electrical service \approx 3' Below grade from shed to pole.

Met with ^(SMC) Chris Goddard, ^{E.E.} Todd Schuendeman, ^{DEC} PAUL BARTH, DAVE CHIUANO

Work Scheduled:

Pole will be placed next week so it won't be in the way of the building guys.

Prepared By: B. M. [Signature]

Client: _____

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-2-92

Weather: Cold/Cool

Labor and Materials: See Attached

Work Performed:

Dug out floor, stockpile soil

Measured 2nd excavation

Mix wood chips with stockpile soil

Work Scheduled:

Digging of floor

Change out cartons

Prepared By:

Don Cook

Client:

Everett H. Rice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-3-87

Weather: Rain / cold

Labor and Materials: See Attached

Work Performed:

Started work on 4th Biopile, added 50 more fertilizer bags
Total of 80 bags. Laid vent pipe system, laid sender hoses,
Installed liner on biopile, installed building's foundation

Work Scheduled:

Start 4th Biopile, (laid vent pipe, sender hoses, add fertilizer, put liner on
pile, build foundation for treatment building)

Prepared By: Donna Cook

Client: Everett H. Rice
SME

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1/16/97

Weather: Cold

Labor and Materials: See Attached

Work Performed:

Pumped water all day

Dave Rauscher's crew returned to finish front of concrete 'berm' and ramp.

Made more sand bags and placed them on the 4th and 3rd dike pile
cleaned up the stockpile area with the excavator

Work Scheduled:

Prepared By:

[Signature]

Client:

[Signature]
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project	904 State Fair Blvd.
Location:	Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-7-97

Weather: cold/windy/snow

Labor and Materials: See Attached

Work Performed:

DIGGING CORNER (North west side) TO FINISH DIGGING OUT SOIL
 Broke excavator boom pin down 1200 - 230^{PM}
 Started DIGGING NEW CORNER FOR REMAINDER OF DAY
 Totalizer Readings 478700
 Pump DOWN hole so we could DIS without making a mess
 Remove about 47 yds.

Work Scheduled:

TO FINISH DIGGING OUT NORTH WEST SIDE OF EXCAVATION
 Pump DOWN TANKS, and Sample water and hole BOTTOM

Prepared By:

Dean Cook

Client:

Everett H. Bice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-8-97

Weather: Sunny/cold.

Labor and Materials: See Attached

Work Performed:

Dug until we had to move water lines
for the remainder of day
Remove about 123 yds.

Work Scheduled:

To finish digging northwest corner + wall out
pump tanks down and sample water

Prepared By: D. COOK

Client: Ernest H. Reed
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-9-97

Weather: Cold / cloudy

Labor and Materials: See Attached

Work Performed:

Pull Tarps ON lime stock pile and Rock pile
Dig NORTH west corner
move stock pile soil or build it up higher
Took out about 138 yds

Work Scheduled:

Pull Tarps ON lime stock pile soil and Pull Tarps ON Rock pile
Finish Digging Northwest corner of excavation and also remove well in
this area (monitoring well)
By wood chips in stock pile soil and start a new stock pile here

Prepared By: Dan Cook

Client: Everett
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-10-97

Weather: Snow/cold/windy

Labor and Materials: See Attached

Work Performed:

Dig out NW corner, about yds.
Fix Telephone line
Clean up stockpile area by Rockpile
Build a area for new stockpile area by Bio pile 4th
Pump new excavation hole water down + pump sump down, Pump NW corner down

Work Scheduled:

To Finish Dissing Northwest corner
pump water out of new excavation
pump tanks down to stay ahead of water.
To laid out a new stockpile area.

Prepared By:

Dan Cook

Client:

Everett H. Reed
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-13-97

Weather: Cold/couldy/windy

Labor and Materials: See Attached

Work Performed:

Finish Dissing North wall Took sample of North wall and
West wall (msw18 msw19)
Pump water out excavation,
Stockpile soil Remove in new stockpile by 4th Biopile
Soil Remove = 275 yds

Work Scheduled:

Start pump water out of excavation
Finish Dissing North wall excavation
Move ele. line to wells

Prepared By:

[Signature]

Client:

[Signature]
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-14-97

Weather: Cold/Windy

Labor and Materials: See Attached

Work Performed:

Remove RW 101 Dig out about 5 feet and Remove PC-1
Remove about 301 yds.

Work Scheduled:

Dis out RW 101 and about 415'
Pump water out of excavation and Tank.
Put still fence up and dig trench on north west side of property

Prepared By: David Cook

Client: Ernest H. Rie
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-15-97

Weather: Cold / Sunny

Labor and Materials: See Attached

Work Performed:

Dug out some of floor area (250 yds)
 Pump water out excavations and later move pump into Sump in excavation.
 Build up stock pile area some we had room for tomorrow's removal of soil out of remaining floor and East wall

Work Scheduled:

Dig some of East wall North end. Clean up bottom of North end of excavation. Set drain layer and felt liner. Pump water out of excavations and ground.

Prepared By:

[Signature]

Client:

[Signature]
 SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-16-97

very cold.
Weather: SNOW/WINDY/SUNNY

Labor and Materials: See Attached

Work Performed:

Dug out rest of N+W end, clean floor up.
Started to clean area on west wall where we started
to remove soil out of excavation. Took grade shoots of
excavation area. Pump water out of excavation. Stockpile
all soils removed. TOTAL yds for Day 430 yds

Work Scheduled:

To finish digging out North end on floor and clean up
East wall at North end. Take some grade shoots layer drains
in and remove well + seal it

Prepared By: David Boh

Client: Everett H. Hie
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-17-97

-15° - 30° below 0°

Weather: Very Cold/Windy/Snow

Labor and Materials: See Attached

Work Performed:

Had to stop work due to equipment wouldn't start and weather so snow + cold to work.

R Willic working on Bldg. Arrived approx 10:30 AM
universal Fabric on site 2PM Pick up test Fabric.

Work Scheduled:

To Finish Digging west wall and stop in back corner
use to remove soil out of hole, Sample floor, west wall
pump water out of hole

Prepared By:

[Signature]

Client:

[Signature]
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-20-97

Weather: Cold / windy / snow

Labor and Materials: See Attached

Work Performed:

Put elev. line in for new Treatment Shed. Under Ground
line, ~~100~~ Seal + Grout in 7, Fix Rq 106 Frozen Per new
line Pump water out of excavation or hole

Work Scheduled:

Pump water out of excavation, Dig and Finish Floor work and
Put Drain layer in

Prepared By: DRON COOK

Client: Ernest H. Rios
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-21-97

Weather: Cold / Sunny

Labor and Materials: See Attached

Work Performed:

Put Drain layer in (finish) (Sample floor - B1.B2 wall-04-4)
 Help with loader to clean Bunker Tank put into storage
 Dig out or clean up west with area where we stockpile soils
 To be removed from excavation, Pump water into Bunker Tank
 Set up pump in Bunker Tank to pump Thru water permeable
~~at 400pm~~ Perment one at 400pm

Work Scheduled:

Sample floor wall / North end, West) Put Drain layer in
 Pump water out of excavation, clean west with storage area
 Good see clean out of Bunker Tank. Good see Build contract

Prepared By:

[Signature]

Client:

[Signature]
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-22-97

Weather: Rain / mild

Labor and Materials: See Attached

Work Performed:

Build up North East wall some (10 ft off bottom)

Also found contamination in East wall

Help continue Clean Bunker Tank

Make Remote Flow into excavation and build a flow area in excavation so flow to sump area

Work Scheduled:

Clean up west wall area where we stockpile soils to be removed from excavation. Start fill in North East wall (backfill) were it undermined over see site contractors, over see Bunker Tank being Clean.

Prepared By:

Don Gal

Client:

Ernest R. Rice
SMC

MAESTRI SITE OBSERVATION REPORT

Page 1 of 2

Report No. 147Date: 1/23/97

NYSDEC Site No: 7-34-025

Temperature: 32° 20°
(am) (pm)

Location: Town of Geddes, Onondaga County

Wind Direction: From NW @ 5-10 mph

NYSDEC Project Manager: David Chuisano

Weather: snow AM / sun & clouds PM

E & E File: OF6000

Arrive at site: 0735Leave site: 1620 for Albany
In Albany @ 1910

HEALTH & SAFETY

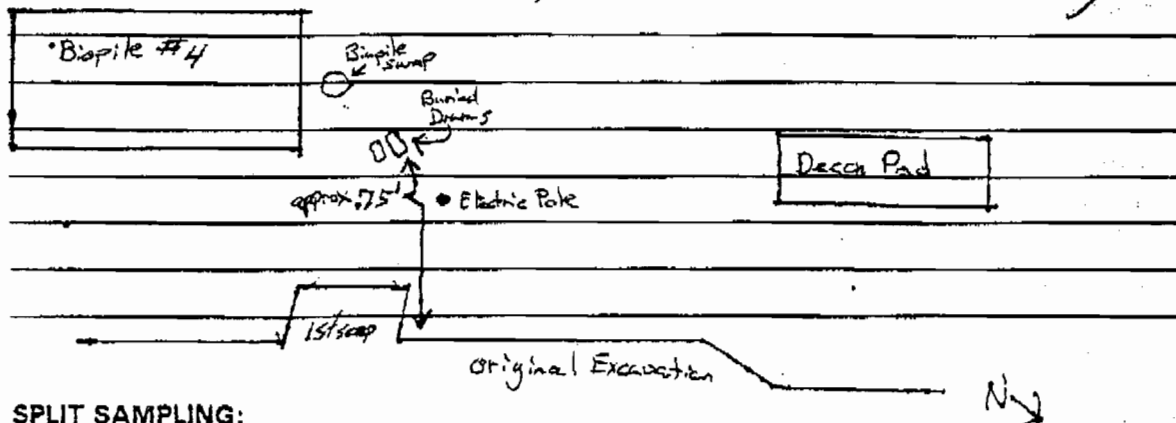
* Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)Yes ☒ No ()

Are atmospheric monitoring results at acceptable levels?

Yes ☒ No ()

-DESCRIPTION OF WORK PERFORMED:

- > Workers begin digging ditch for electric conduit from biopile sump to Electric Pole north of sump
- > Begin excavating 2 drums from ditch which were hit while putting in electrical conduit for sump
- > Electrician on site working on biopile treatment building electric
- > Workers considered monitoring with FID while digging in drum area today
- > Air samplers were set up at perimeter fence locations today



SPLIT SAMPLING:

PRP Sample ID	E & E Sample ID	Description
_____	_____	_____
_____	_____	_____
_____	_____	_____

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-23-92

Weather: Rain / mild

Labor and Materials: See Attached

Work Performed:

Ran elec lines To shed for sump pump in Trench across Road
 Ran phone lines To Treatment shed in Trench across Road
 Found DRUMS while Digging Trench To sump
 Upgrade To modified Level D. Put leaking DRUM INTO overpump
 Put some OF equipment INTO Treatment shed.
 Help Clean Bager Tank with Pax loader
 Dig out around DRUM about 3 foot AREA
 Sample soils in location of DRUM (MSD-01)
 Pump water out of Bager Tank

Work Scheduled:

To Dig out The Rest of Contamination in East wall
 Order piping for bio pipe, Start To set equipment in treatment
 build. fix sump in excavation so back on line. Support cleaning
 of Bager Tank. Fix electrical Trench across Road & fix electrical
 conduit To old Treatment Bldg. Pump water out of Bager Tank.

Prepared By:

Don [Signature]

Client:

Ever [Signature]
 SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-24-97

Weather: Cold/Cloudy

Labor and Materials: See Attached

Work Performed:

Pump some water for Baker Tank. Throw old treatment system
dig out 22' wide around drums found excavation (3) about 6'
deep. Fix telephone line shield to old treatment shed.
Put all drums into overpicks. Clean trash around new treatment
shed.

Work Scheduled:

Pump water out of Baker Tank. Throw old water treatment system
drum up drums into overpicks. Dig 10'x10' area around drums found 1-23-97
dig out soils (high readings on kits on file) sample soil to confirm clean soil
dig out soils on west wall where we found high readings until clean and
then sample stockpile soils found digging area for day. Check
and make sure site is good for weekend. Fix telephone lines (run new ones)

Prepared By:

Dan Paul

Client:

Eric St. Pierre
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-27-97

Weather: Cold/Windy

Labor and Materials: See Attached

Work Performed:

dug East wall ~~to~~ sample to confirm clean
 dug drum area (ex3) stop to confirm if clean sample 4 location

Work Scheduled:

Finish Dissolve wall (East) and Drum Area (ex3)
 Sample East wall, and ex3 to confirm clean

Prepared By:

[Signature]

Client:

[Signature]
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-28-97

Weather: Cold / SNOW / windy

Labor and Materials: See Attached

Work Performed:

Installed Culvert Pipe across Road.

Installed lights in new Treatment Build

Oversee Baker Truck being clean and use Dump Truck

Sample RW 107 and 108 with pit sensors

Cleaned + Broke up Ice + soils off Decor Pool.

Work Scheduled:

put culvert pipe around Roadway for Drain Control

Sample 107 and 108 RWS

Prepared By:

Dan Gel

Client:

Everett
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-29-97

Weather: Cold / Sunny

Labor and Materials: See Attached

Work Performed:

Clean floor in Treatment Bldg and place equipment
Finish Roadway and placement of Culvert pipe
oversee Final Removal of Sediment out of Baker (use of Dump Truck)
Found setting of pump didn't work to purge of 107 108 well
For sampling try ~~and different~~ ways to keep safe way of purging
wells with pumps.

Work Scheduled:

Clean floor + place equipment in new Treatment Shop
Finish Roadway for placement of Culvert installation.
Finish Baker Tank cleaning + decon all materials for removal
Set up pump to pump out of 107 + 108, and sample for 2nd time
pump sump in excavation back on line (do to frozen).

Prepared By:

Don [Signature]

Client:

Cereth [Signature]
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-30-99

Weather: Cold/Cloudy

Labor and Materials: See Attached

Work Performed:

Pick up Empty Bags (Baking powder, veri)
Dig out around Telephone pole and Sample EX 3-N21 (20 yds) ~~oscut~~
Sample RW 107, 108 After pouring Them (3 Volcans)
measured Piles for liners for final cooper
Cover Stock pile with cover (Black)

Work Scheduled:

Pick up Bags (Vermiculite, Baking powder)
Dig other 172 To pole (ex 3) To Sample pen on wall
Sample RW 107 RW 108 After pouring Them
Clean up Remaining wood. in and out side of New Treatment Building.

Prepared By:

David Cook

Client:

Everett Rice
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	1-31-87

Weather: *partly mild*
Sunny / 305

Labor and Materials: See Attached

Work Performed:

DECON CAT 235
Sample Bio pile (only one)
shed equipment is used in Area For Use.

Work Scheduled:

DECON "CAT" 235 By Conklin oversee
Sampling Bio pile #
equipment working in new shed.

Prepared By: *[Signature]*

Client: *[Signature]*
SMC

Tues - Feb 4, 1997

Stauffer myt

on-site 0800

FDGTI - Dave Cook + Karl

Abscope - 2

E & E - 1

- Building Excess rd from west side of Excavation to east for Driller to cross with Drill Rig, Bringing excessive material (soils) over to be backfilled into the EX3 hole by utility pole.

- David Chiansano here today looked over site gave OK to Backfill EX3 Hole. and Picked out 3 Boring on other side of fence.

- Handed out letters to 3 Residences Below site. Fishers, Cook, Guithrida.

- Resampled RW 100 + 108 for PCB, cyanide + metals. Per Dave Chiansano

Stauffer myt

on-site 0730

Ernest H. H.

WMS - Feb 5, 1999

Stauffer mgt

on-site 0800

FDGTI - Dave C + 1

Abscope - 2

E & E - 1

- Finished Backfilling EX3 and finished Drainage runoff from western site runoff to excavation.
- Dismantled small modu-tank putting silt in stock pile and decom. liner.
- Repaired 4" Drain line that Froze on Bio-pile #4.
- started Pumping in Bio-pile #3 to Blowers in new bldg.

Stauffer mgt

off-site 1700

Ernst & Kier

Thurs - Feb 6, 1997

Stauffer mgt

on-site 0700

FDGTI - Dave C + 1 Plus Geologist

Abscope - 2

Drillers - 2

0830

Edg - 1

- Drillers on site at 0830 did not get set up to drill until 12:30 had to clean up some brush drillers having trouble getting split spoon samples from 9 1/2 - 15 feet did Bore thru hard material - had driller gauge depth with tape on inside of augers to verify depth of split spoon. Pictures taken 3-5, 9 1/2 Broken stone drill to 11' drove split spoon 6" gravel material drill to 13'

15-16, 16-18, 18-20, 20-22, 22-24
24-26, Perimeter Soil Boring #1 Done

- Cleaned up Decon pad & site.

- Plumbing in more Bio-Pile #3.

Stauffer mgt

off-site 1830

Evelyn

Fri - Feb 7, 1997

Stauffer mgt

on-site 0700

PDGTE - Dave C + 1 + Geo.

Abscope - 2

Drillers - 2

E & E - 1

- PSB #2+3 Done today. Drillers had water put into their decor tank last night and lines froze up over night. had to spend couple hrs ~~am~~ to thaw lines to Groot #1 shut. Before Drilling #2+3. Gerry + loader help Decor augers.

- Set Pole for Air stack treatment Bldg. finished Plumbing Bio-Pole #3 to Bldg. Plumbing SUE Inside Bldg.

- Drillers having Hard time receiving samples Called Joe MacArthur - get all data possible. Told driller they had to stay and be sure Holes were grouted shut and Equip on our side of fence by end of Day due to children playing out side over weekend.

PSB #2+3 were finished and grouted
shot by 8 pm drillers left site
after decoming back of rig & pump
approx 8:30.

Stanley mgt

OG-site

Ernst H. Kue

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	2-24-97

Weather: Cold/windy/sols

Labor and Materials: See Attached

Work Performed:

Found Biopipe 3rd Cover Blown off Recover pipe again
Sample Lime pipe (stock pipe)

Work Scheduled:

Prepared By: Karl CardonClient: Everett R. King
SMC

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	2 of 2
Date:	2-25-97

Weather: Sunny/cold 20s

Labor and Materials: See Attached

Work Performed:

Set up MIXING AREA FOR lime soil PH Adjustment with Baking Soda
Remove overpours To other recon pad area with loader also Remove
Felt Roll To other recon pad. Cut up well castings for Removal
and also disassemble from castings. Clean up site
~~and also~~

Work Scheduled:

Prepared By: Don CalClient: ER
Smc

TAILGATE MEETING FORM

Project Name: SMC MAESTRI

Project Number: 04100-0334

Date: 3/10/97

Presented by: Karl Ladner

Check the Topics/Information Reviewed:

- ☐ safety glasses, hard hat, safety boots
- ☐ site safety plan review and location
- ☐ equipment and machinery familiarization
- ☐ employee Right-To-Know/MSDS location
- ☐ open pits, excavations, and site hazards
- ☐ vehicle safety and driving/road conditions
- ☐ portable tool safety and awareness
- ☐ overhead utility locations and clearance
- ☐ first aid, safety, and PPE location
- ☐ sharp object, rebar, and scrap metal hazards
- ☐ safety is everyone's responsibility
- ☐ latex gloves inner/nitrile gloves outer
- ☐ Procedures:
 - ☐ excavation/trenching inspections/documentation
 - ☐ full face respirators with proper cartridges
 - ☐ upgrade to level 6 at: PID/PID (eV) > ppm
 - ☐ work stoppage at: PID/PID (eV) > ppm, % LEL > 10%

- ☐ slips, trips, and falls
- ☐ directions to hospital
- ☐ anticipated visitors
- ☐ electrical ground fault
- ☐ public safety and fences
- ☐ excavator swing and loading
- ☐ orderly site and housekeeping
- ☐ smoking in designated areas
- ☐ leather gloves for protection
- ☐ effects of the night before
- ☐ vibration related injuries
- ☐ fire extinguisher locations
- ☐ eye wash station locations
- ☐ decontamination procedures
- ☐ daily work scope
- ☐ emergency protocol
- ☐ parking and laydown
- ☐ hot work permits
- ☐ strains and sprains
- ☐ noise hazards
- ☐ no horseplay
- ☐ heat and cold stress
- ☐ backing up hazards
- ☐ accidents are costly
- ☐ dust and vapor control
- ☐ returning
- ☐ confined space entry
- ☐ flying debris hazards

Discussion/Comments/Follow-up Actions: Be carefull not to strain yourself
while rolling out liner

NAME

Karl Ladner
Craig Green
John Golden
Robert Coats

SIGNATURE

Karl Ladner
Craig Green
John Golden
Robert Coats

COMPANY

Fluor Daniel GTI
ABSCOPE
ABSCOPE
Fluor Daniel GTI

Instructions:

- Conduct a daily safety meeting prior to beginning each day's site activities.
- Complete form by checking off specific topics and/or hazards.
- Obtain signatures from all GTI staff and GTI subcontractors.
- Follow-up on any noted items and document resolution of any action items.

TAILGATE MEETING FORM

Project Name: SMC MAESTRI

Date: March 12 1997

Project Number: 04100-0334

Presented by: _____

Check the Topics/Information Reviewed:

- ☐ safety glasses, hard hat, safety boots
- ☐ site safety plan, review and location
- ☐ equipment and machinery familiarization
- ☐ employee Right-To-Know/MSDS location
- ☐ open pits, excavations, and site hazards
- ☐ vehicle safety and driving/road conditions
- ☐ portable tool safety and awareness
- ☐ overhead utility locations and clearance
- ☐ first aid, safety, and PPE location
- ☐ sharp object, repair, and scrap metal hazards
- ☐ safety is everyone's responsibility
- ☐ latex gloves inner/nitrile gloves outer procedures
- ☐ excavation/trenching inspections/documentation
- ☐ full face respirators with proper cartridges
- ☐ upgrade to level at FID/PID (___ eV) > ___ ppm
- ☐ work stoppage at FID/PID (___ eV) > ___ ppm, % LEL > 10%

- ☐ slips, trips, and falls
- ☐ directions to hospital
- ☐ anticipated visitors
- ☐ electrical ground fault
- ☐ public safety and fences
- ☐ excavator swing and loading
- ☐ orderly site and housekeeping
- ☐ smoking in designated areas
- ☐ leather gloves for protection
- ☐ effects of the night before
- ☐ vibration related injuries
- ☐ fire extinguisher locations
- ☐ eye wash station locations
- ☐ decontamination procedures

- ☐ daily work stop
- ☐ emergency protocol
- ☐ parking and laydown
- ☐ hot work permits
- ☐ strains and sprains
- ☐ noise hazards
- ☐ no horseplay
- ☐ heat and cold stress
- ☐ backing up hazards
- ☐ accidents are costly
- ☐ dust and vapor control
- ☐ refueling
- ☐ confined space entry
- ☐ flying debris hazards

Discussion/Comments/Follow-up Actions:

NAME

SIGNATURE

COMPANY

Craig Treen
Jim Olden
Dean Cook
Karl Lohner

Craig Treen
Jim Olden
Dean Cook
Karl Lohner

ABSOPE
ABSCOPE
Fluor Daniel BSE
Fluor Daniel GTE

Instructions:

- 1. Conduct a daily safety meeting prior to beginning each day's site activities.
- 2. Complete form by checking off specific topics and/or hazards.
- 3. Obtain signatures from all GTI staff and GTI subcontractors.
- 4. Follow-up on any noted items and document resolution of any action items.

TAILGATE MEETING FORM

Project Name: SNC MAESTRI

Date: 3-14-97

Project Number: 04100-0334

Presented by: O. COOK

Check the Topics/Information Reviewed:

- ☐ safety glasses, hard hat, safety boots
- ☐ site safety plan review and location
- ☐ equipment and machinery familiarization
- ☐ employee Right-To-Know/MSDS location
- ☐ open pits, excavations, and site hazards
- ☐ vehicle safety and driving/road conditions
- ☐ portable tool safety and awareness
- ☐ overhead utility locations and clearance
- ☐ first aid, safety, and PPE location
- ☐ sharp object, rebar, and scrap metal hazards
- ☐ safety is everyone's responsibility
- ☐ latex gloves inner/nitrile gloves outer procedures
- ☐ excavation/tranching inspections/documentation
- ☐ full face respirators with proper cartridges
- ☐ upgrade to level of at: FID/PID (___ eV) > ___ ppm
- ☐ work stoppage at: FID/PID (___ eV) > ___ ppm, % LEL > 10%

- ☒ slips, trips, and falls
- ☐ directions to hospital
- ☐ anticipated visitors
- ☐ electrical ground fault
- ☐ public safety and fences
- ☐ excavator swing and loading
- ☐ orderly site and housekeeping
- ☐ smoking in designated areas
- ☐ leather gloves for protection
- ☐ effects of the night before
- ☐ vibration related injuries
- ☐ fire extinguisher locations
- ☐ eye wash station locations
- ☐ decontamination procedures

- ☐ daily work log
- ☐ emergency vehicle
- ☐ parking and laydown
- ☐ hot work permits
- ☐ strains and sprains
- ☐ noise hazards
- ☐ no horseplay
- ☐ heat and cold stress
- ☐ backing up hazards
- ☐ accidents are costly
- ☐ dust and odor control
- ☐ refueling
- ☐ confined space entry
- ☐ flying debris hazards

Discussion/Comments/Follow-up Actions: Be careful of weather conditions

NAME

David Cook
Karl Lodner
Craig Feen
John Cook

SIGNATURE

David Cook
Karl Lodner
Craig Feen
John Cook

COMPANY

Fluor Daniel GTI
Fluor Daniel GTI
ABSCOPE
ABSCOPE

Instructions:

- 1. Conduct a daily safety meeting prior to beginning each day's site activities.
- 2. Complete form by checking off specific topics and/or hazards.
- 3. Obtain signatures from all GTI staff and GTI subcontractors.
- 4. Follow-up on any noted items and document resolution of any action items.

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of
Date:	3-17-97

Weather: Cold / Partly Sunny Temp - 20's

Labor and Materials: See Attached

Work Performed:

Place Soils from stockpile to drop: 10 5th installed 2" Trash Down
in excavation to pump into Baker Tank. Fill Baker Tank at 1230^{am} still.
Pumps Thru Temp. Water Treatment system at 10 am and Joe check the
extraction for the Right Backfilling of wall and OK Retaining ponds walls
for what we are going to use them for.

Work Scheduled:

Prepared By: [Signature]Client: [Signature]
SMC

David Cook HRS 10 1/2

plus Travel 3 hrs.

Mar. Ladner HRS 10 1/2

FROM : Fluor Daniel GTI

PHONE NO. : 3154887907

Mar. 20 1997 02:11PM P1

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of
Date:	3-19-97

Weather: Sunny/Cold ^{Teens}

Labor and Materials: See Attached

Work Performed:

Back Fill The Remaining of soils INTO excavation and back off areas of stockpiles for finally clean up. Had to fix Dozer Throttle cable. Picked up 24 pumps and hose to throw out to use in excavated dump. Dismantled Baker Tank pump and hoses. Pump in Biopile 4th on line (Temp) needs new cover. Then we Roll the remaining 4" slotted pipe to end of pile. Had to get in connections to do this. Pump some of biopiles into Baker Tank and also pump old decom into Baker Tank had meeting with Field Staff and also told Everett that there will be 2800 some cases on return of 4" track pump.

Work Scheduled:

Prepared By:

David Cool-HAS

Client:

Everett H. H. H.
SMC

DAVID COOL-HAS 11

GAIL LADNER HAS 11

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	3-21-97

Weather: Cloudy / mild 305

Labor and Materials: See Attached

Work Performed:

Finish 175 (400) in Biopipe 5th and fix up retaining wall around Biopipe 5th. Then put cover on Biopipe 5th. Then backfill north wall in excavation to support wall. Then backfill around sump in excavation to install new pump. Could not backfill north wall or install sump pump.

Work Scheduled:

Prepared By:

David Coon

Client:

Everett White
SMC

DAVID COON HRS-100

PAUL LADNER HRS-100

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	3-28-87

Weather: Sunny/mild 40S

Labor and Materials: See Attached

Work Performed:

~~FINISH~~ FINISH DECONING BACKUP TANK. AND CLEAN UP
BELOW PUMP ALSO PUMPED OUT DEBRIS COULDN'T CLEAN UP DECON
PUMP NO TO GET THE WATER ON IT. HAD TO FIX 4" BRONZE LINE ON
BIOPHOS# ALSO PUMPED SUMP PUMP IN TEMP. TO PUMP DOWN SUMP
SO BIOPHOS. WILL KEEP DRAWING.

Work Scheduled:

Prepared By:

David Cook

Client:

Everett
SMC

DAVID COOK HRS- 10 PLUS TRACEL 3 HRS.

Project Name:	SMC Maestri
Project Number:	04100-0334
Project Location:	904 State Fair Blvd. Geddes, NY 13209

Daily Report

Page:	1 of 1
Date:	4-4-97

Weather: Sunny/mild 40S

Labor and Materials: See Attached

Work Performed:

Finish installing water treatment headers to Biopiles #4-5 #
pack up for demob.

Work Scheduled:

Prepared By:

Don Cook

Client:

Emmett P. Hain

DAVID COOK HAS - 7 1/2

Plus Travel and Demob

Karl Lindner HAS - 7 1/2

Plus Travel and Demob.

Monday April 7th 1997

STAUSSER mgt

on-site 0700

FD GTI - Dave + Karl

- Here today to pick-up Remaining things that Belong to FDGTI
Turn in Keys to site to me
Went over Bio-Piles # 3-4-5
with Dave to look at - Piling
Tarps - etc, went over O+M
Plan and How to check Piles.

STAUSSER mgt

off-site 1730

Ernst Lued

Wens April 9 1897

STAUSSER mgt

on-site 0700

- Still making Inquiries for Equip.
- O + m on site (WWTP + SUE Bldg)
- Job summary Report.

STAUSSER mgt

off-site 1900

Everett H. Hui

Fri April 11, 1999

Stauffer mgt

on-site 0700

- made arrangement to pickup
Equipment from O B G Monday
morning to do testing on
Bib Pile's 4 + 5

- O + M WWTP + SUE Bldg.

Stauffer mgt

off-site 1700

Ernest Hui

Tue April 15, 1997

STAUFFER myt

on-site 0700

- O+m WWT P
- Drilling some Hole today and Testing for Air Velocity on Piles # 4 + 5 also getting temp reading - some HNU Readings
- Called OBG To make sure I'm using Equip properly.
- Called Dave Towers he said he would come out to site to discuss Bringing these pile Into a Balance on the Air Flow.
- O+m SUE Bly.

Stauffer myt

off-site 1800

Ewertthick

Thurs April 17, 1997

STAUSSE met

on-site 0700

- Drilled more Holes into air
Extraction Piping for velocity Readings
went thru all 3 Pile with
Sole mate and Balanced legs in
as close to 3 CFM as possible.

Checked temp + PPM.

also WWT P O + m

Reports on Results

STAUSSE met

off-site 1800

End of Run

Mon - April 21, 1998

STAUSSER mgt on-site 0700

Site Inspection - tarps, Piping, water

OTM on WWTP

OTM on Bro - Piles

HNU Readings - velocity - Air temp

STAUSSER mgt off-site 1700

Ernest H. Reed

Wens, April 23, 1997

STAUSSER mgt 01-site 0800

Visual Site Insp.

0 + m WWTP

0 + m Bro - Piles - ANU

Readings are Not Right.

Battery Checks OK, it appears
to be working properly But

Do Not like all the Non-
Detectable readings.

STAUSSER mgt

off-site 1700

~~Ernst Rho~~

Fri - April 25, 1999

STAUSSER met

on-site 0800

Visual site Inspection

O + m WWT P

O + m B.O - Pile's - OBG

here went thru all Piles
with HNU, Readings much
Better. said I was using
HNU properly. The other one
Had weak Battery even though
it read charged. Told Dave

Towers he needed to readjust
rental on equipment Because
they gave me Saulty HNU.

STAUSSER met

off-site 1600

Gregg Thrie

Tue - April 29, 1999

Stauffer mgt

on-site 0800

Visual site Insp

O + m WWT P + Bio-piles

Stauffer mgt

off-site 1700

~~Goodhue~~

Thur - May 1, 1997

STAUSSER mgt on-site 0800

Usual site Inspection

Sump quit in leachate pit

Repaired and put BACK on line

O+m WWTP

O+m B.O - piles

STAUSSER mgt

off-site 1650

Ernest Miller

MON - MAY 5 1997

STAUSSE mgt

on-site 0700

Repaired Blower tarps.

O + m WWT P

Reports on site for Chris.

STAUSSE mgt

off-site 1700

End of the

Wens - May 7, 1999

Stauffer met

on-site 0800

Visual site inspection.

Repaired some 2" PVC Piping
on Bio-Pile #5 for Air SUE

Did O+m WWT P

O+m on Bio-Piles 4+5

Stauffer met

off-site 1700

~~End of the day~~

Mon - May 12, 1997

Stauffer met

on-site 0700

Visual site inspection

0700 WWTP

Working on Reports to ship
to Chris Gaddard.

Stauffer met

off-site 1700

~~End of day~~

Wens - May 14, 1999

Stauffer met

on-site 0800

Had John Abraham + Dick C.

Here today to go over

O+m on Bio-Pile so they

can continue Dmg so on

monthly Basis after today.

showed ea how to use HNU

and Velocity + Temp probes.

also NANCY Z. (OBG) here

to do Air Quality Analysis Again

on SUE system after today

this will also be done monthly.

O+m WWTP.

Stauffer met

off-site 1800

~~Ernst~~

Fri - May 16, 1997

Stausser met

on-site 0800

visual site Insp.

Otm WWTP - Bio Piles

Paper work - Reports -

Stausser met

off-site 1600

~~Eurellthue~~

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: _____ Maestri

Date: _____ 07-13-99

Time: _____ 0700-1630 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** Sunny**Temperature:** _____ **High-** 80 `s **Low-** 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett, Mark, Mark, Steve
- * Finished removing pallets from bio-pile # 5 and remaining tarps
- * Begin to dewater excavation area around RW 109
- * Backfill approx. 350 yrd. of approved soil from bio-pile # 5
- * Abscope work thru lunch break / off-site 1500 hrs (8 hr. day)
- * off-site 1630 hrs

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: Maestri
Date: 07-15-99
Time: 0700-1600 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: SunnyTemperature: High- 80`s Low- 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Mark.
- * Removed upper portion of Bio-pile cells 5-1,5-2,5-3,5-4
Placing soils where approved soils were removed.
- * Bio-pile # 5 cells 1, 2, 3, 4, are now spread over entire drainage layer at a height of approx. 3.5 ft..
- * Continuing to draw air thru bio-pile # 5 via vacume extraction piping.
- * Removed pallets & tarps from Bio-pile # 3.
- * Backfilled approx. 300 yds approved soil from bio-pile # 3
- * Placed 300 yds into excavation in 2 ft. lift with compaction.
- * Abscope off-site 1500 hrs (8 hrs day)
- Off-site 1630 hrs.

SMC

Everett L. Rice

Photographs:The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: Maestri
Date: 07-19-99
Time: 0700-1600 hrs

Date: 07-19-99

Time: 0700-1600 hrs

WASTE OBSERVATION REPORT

Location: Syracuse, N.Y.

Weather: overcast periods of showers AM - afternoon clearing

Temperature:	High-	80 `s	Low-	60`s
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Remarks:

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Mark.
- * Continuing vacume extraction Bio-pile # 5 / PID monitoring
- * Moved Bio-pile # 3 cells 9 & 10 to the western end of drainage layer @ a height of approx. 4 ft.
- * Backfilled approx. 100 yds of soil that was stock pile from this past springs sediment basin construction.
- * Abscope off-site 1600 hrs
- * Off-site 1600 hrs.

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____
(Signature)

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: _____ Maestri
Date: _____ 07-21-99
Time: _____ 0700-1600 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** Sunny**Temperature:** _____ **High-** 80 `s **Low-** 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs.
- * Safety meeting / Everett - Butch - Scott.
- * Set up 3" trash pump @ RW # 5 to begin dewatering area
- * Water from RW # 5 to be treated thru existing treatment system.
- * Removed remainder of approved soil Bio-pile # 3 - cells 7 & 8, approx. 250 yds.
- * Backfilled approx. 250 yds approved soils to excavation W/ compaction.
- * Placed small sump in excavation near treatment building to continue dewatering of original excavation.
- * Sample results of Bio-piles # 3 & 5 are in, Half of # 5 meets criteria, rest need more drying time.
- * Fax David (DEC) results, was not in office for approval.
- * Abscope off-site 1600 hrs
- * Off-site 1630 hrs.

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: Maestri
Date: 07-23-99
Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.

Weather: Sunny

Temperature: High- 80 's Low- 60's

Remarks:

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs.
- * Safety meeting / Everett - Butch.
- * Run 3" trash pump @ RW # 5 to Continue dewatering area
- * Water from RW # 5 to be treated thru existing treatment system.
- * Continueing to run air extraction on Bio-piles
- * Spreading top 4ft. of Bio-pile # 3 cells 3,4,5,6 over drainage layer
- * Bio-pile # 3 cells 3,4,5,6 are now at a height of approx. 4ft.
- * Cells- 3,4,5,6 are segragated from cells 9,10.
- * Abscope off-site 1600 hrs
- * Off-site 1630 hrs.

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: Maestri
Date: 07-27-99
Time: 0700-1600 hrs**SITE OBSERVATION
REPORT****Location:** Syracuse, N.Y.**Weather:** Sunny**Temperature:** High- 80 's Low- 60's**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch.
- * Continue vacume extraction Bio-pile # 3 & 5 .
- * Continue to dewater RW # 5 to lower water table.
- * John May (DEC) & myself talked with Mrs. Craner about complaint to G. kline (DEC)
Mrs. Craner had actually told her husband this past weekend that she had heard water running earlier in the week after a rain but she didn't see any water running into their yard.
John May (DEC) called David Chiusano and informed him.
- * Reinstalled temporary grundfus pump and transducer into RW # 5.
- * RW # 5 water now being pumped directly into treatment system for treatment.

Abscope off-site 1600 hrs.

Mr. Craner called me at 1600 hrs and asked to see me. I met him in his back yard, he again showed me the hole created in his back bank and some erosion on bank. He reminded me that at meeting last spring he was told that this would be repaired. He was just making sure that we hadn't forgotten.

- * Off-site 1700 hrs.

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: Maestri
Date: 07-29-99
Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: SunnyTemperature: High- 80 's Low- 60's**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Dave.
- * Removed 50 yds approved soils Bio-pile # 5.
- * All soils Bio-pile # 5 have been Removed and returned to excavation.
- * Removed 200 yds approved soil Bio-pile # 3, cell 2A also 150 yds from cell 10B
- * Backfilled, graded, compacted approved soil into excavation area.
- * Continue vacume extraction Bio-pile # 3.
- * Continue to dewater RW # 5 to lower water table.
- * Sample RW # 2 and RW # 5 for Xylenes per / Joe MacArthur
- * Dust control being conducted.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMC

Everett L. Rice

Photographs:The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 08-02-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: SunnyTemperature: High- 70`s Low- 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Dave.
- * Strategically placing approved soils from Bio-pile # 3 for final grading.
- * Removed 1 to 2 ft of last years backfilling (stoney , gravelly material) , placing into excavation.
covering last years material with the better soils of this year.
- * Continue vacume extraction Bio-pile # 3.
- * Continue to dewater RW # 5 to lower water table.
- * Dust control being conducted.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: _____Maestri

Date: _____08-04-99

Time: _____0700-1600 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** Sunny**Temperature:** High- 70 `s Low- 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Dave.
- * Continueing to Dismante Bio-pile # 5 drainage layer.
- * Filter fabric - piping - 40 ml liner being placed into roll-off for off-site disposal.
- * Continueing to backfill approved soils into excavation - grade - compaction.
- * Continue vacume extraction Bio-pile # 3.
- * Continue to dewater RW # 5 to lower water table.
- * Dust control being conducted.
- * General clean up of site.
- * Pilot test - Placed screened soils from Bio-pile # 3 into 10 x 17 in. box at a depth of 3 in.
- * Spread grass seed over top of soil and watered placed box outside to see if grass will grow.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 08-06-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: SunnyTemperature: High- 70 's Low- 60's**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Dave.
- * Approved soils from Bio-pile # 3 being stock piled strategically around site for final grading.
- * Continueing to water test grass
- * Continue to dewater RW # 5 to lower water table.
- * Dust control being conducted.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: _____ Maestri

Date: _____ 08-11-99

Time: _____ 0700-1600 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** Sunny**Temperature:****High-** 80 `s**Low-** 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Chad - Frank.
- * Chipping pile of tree limbs and brush that was seperated on Monday.
- * Continuing to water test grass
- * Continue to dewater RW # 5 to lower water table.
- * O F K Wood inc. picked up 100 + pallets.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMC

erett L. Rice

Photographs:

The Above Comments Were Made by: _____

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: _____ Maestri

Date: _____ 08-13-99

Time: _____ 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** Sunny**Temperature:****High-** 80 `s**Low-** 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch.
- * Spreading out stock piled soils to establish sub - grade.
- * Continuing to water test grass
- * Continue to dewater RW # 5 to lower water table.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 08-17-99Time: 0700-1600 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** Sunny**Temperature:****High-** 80 `s**Low-** 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Dave.
- * Continuing to spreading out stock piled soils to establish sub - grade.
- * Removing approved soils from bio - pile # 3 placing for grading.
- * Continuing to water test grass
- * Continue to dewater RW # 5 to lower water table.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMC

erett L. Rice

Photographs:

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 08-19-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** Sunny**Temperature:****High-** 80`s**Low-** 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch.
- * Removing approved soils from bio - pile # 3 placing for grading.
- * Dismantleing drainage layer Bio-pile # 3 - placing liner & filter fabric in dumpster for disposal.
- * Continuing to water test grass
- * Continue to dewater RW # 5 to lower water table.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: Maestri
Date: 08-23-99
Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: SunnyTemperature: High- 80 `s Low- 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Frank.
- * Stockpiling approved soils from bio - pile # 3.
- * Dismanteling drainage layer Bio-pile # 3
- * Continuing to water test grass
- * Continue to dewater RW # 5 to lower water table.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 08-25-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: Sunny

Temperature:

High- 80`sLow- 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Dave - Frank.
- * Finished moving rest of approved soils Bio-pile # 3.
- * Finished removal of Bio-pile # 3 drainage layer.
- * Started moving top-soil for final grading.
- * Continuing to sub-grade approved soils.
- * Continuing to water test grass
- * Continue to dewater RW # 5 to lower water table.
- * General clean up of site.
- * Abscope off-site 1600 hrs.

Off-site 1700 hrs.SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: Maestri
Date: 08-27-99
Time: 0700-1600 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: SunnyTemperature: High- 80 `s Low- 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Dave - Frank.
- * Finished moving top-soil pile back to excavation area.
- * Shut down RW # 5 dug new trench installed new forced main water line, electric, transducer cable.
- * Backfilled trench.
- * Continuing to water test grass
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: _____ Maestri

Date: _____ 08-31-99

Time: _____ 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** Sunny**Temperature:****High-** 80 `s**Low-** 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Frank.
- * Continuing sub-grading of approved soils
- * Working up soils where bio-piles sat with tractor & drag.
- * Continuing to water test grass
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMC**Everett L. Rice****Photographs:**

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 09-02-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: Sunny

Temperature:

High- 80`sLow- 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Frank.
- * Placing top-soil over excavation area.
- * Working up soils where bio-piles sat with tractor & drag. (preperation for seeding & mulching.)
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: Maestri
Date: 09-07-99
Time: 0700-1600 hrs**SITE OBSERVATION
REPORT**Location: Syracuse, N.Y.Weather: SunnyTemperature: High- 80 `s Low- 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch.
- * Hoe-ramed smaller decon pad to 12 inches for disposal purposes.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 09-09-99Time: 0700-1600 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** Sunny**Temperature:****High-** 80 `s**Low-** 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch.
- * Preparing top-soil area for seeding and mulching.
- * Had Butch bring in PID to check soil that was under the 14 inches removed from under decon area.
- * Investigative PID reading were high called Chris recommended removing more soils.
- * Removed approximately 20 yrd soil took sample. 24hr turn.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 09-13-99Time: 0700-1600 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: SunnyTemperature: High- 80 `s Low- 60`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch.
- * Loaded out 4 truck loads of concrete & soil to High acres for off-site disposal.
- * Loaded 8 drums for off-site disposal to Industrial oil tank services.
- * Dug more soils out. John May (DEC) here to determine sampling points. Took samples to lab.
- * Dug approx. 40 yrd soil stock-piled on decon-pad, where office was and covered with poly.
- * Started york raking , seeding & mulching.
- * General clean up of site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: _____ Maestri

Date: _____ 09-15-99

Time: _____ 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.

Weather: sunny

Temperature:

High- 70's

Low- 50's

Remarks:

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch.
- * York raking , seeding & mulching
- * EW sample results 50ppm redug & resampled.
- * General clean up of site.
- * Abscope off-site 1030 hrs.
- * Off-site 1700 hrs.

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 09-17-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: sunny

Temperature:

High- 70`sLow- 50`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch.
- * York raking , seeding & mulching
- * General clean up of site.
- * Abscope off-site 1030 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 09-21-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** rain**Temperature:** High- 50`s Low- 40`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Scott
- * York raking , seeding & mulching
- * Had to stop due to rain.
- * Abscope off-site 1100 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 09-23-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** partly sunny**Temperature:****High-** 65 `s**Low-** 50`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Scott
- * Finished backfilling excavation (smaller decon-pad)
- * Seeding & mulching
- * General site clean-up.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMC

Everett L. Rice

Photographs:

The Above Comments Were Made by: _____

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 09-27-99Time: 0700-1600 hrs

ITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** sunny**Temperature:** High- 70`s Low- 50`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Scott
- * Parrot&Wolf on-site 0730 over drill recovery well 105.
- * RW 105 casing was removed deconned and reinstalled.
- * There was no visual signs of any contamination and PID reading were less than 20 ppm.
- * Seeding & mulching.
- * General site clean-up.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCerett L. Rice**Photographs:**

The Above Comments Were Made by: _____

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 09-29-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** cloudy**Temperature:****High-** 70's**Low-** 50's**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Scott
- * Loaded out contaminated soils from under smaller decon-pad, sent to high acres non-haz waste.
- * Started breaking up larger concrete pad.
- * Samples taken from concrete for off-site disposal.
- * Reseeding & mulching RW areas that were disturbed by drillers.
- * General site clean-up.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 10-01-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: cloudy

Temperature:

High- 60`sLow- 40`s**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Frank.
- * Finished breaking up larger concrete pad, stock piled on plastic.
- * Frank clearing slope on Mr. Craners property
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 10-05-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.**Weather:** cloudy**Temperature:****High-** 60`s**Low-** 40`s**Remarks:*** On-Site 0700 hrs* Abscope on site 0700 hrs* Safety meeting / Everett - Butch - Scott.* Finished clearing slope (Mr. Craner), topsoiled slope, seed & mulched.* Filled in around RW 102,105 where it had settled.* General cleanup.* Abscope off-site 1600 hrs.* Off-site 1700 hrs.SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____

(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 10-08-99Time: 0700-1600 hrs**SITE OBSERVATION
REPORT****Location:** Syracuse, N.Y.**Weather:** sunny**Temperature:** High- 60's Low- 50's**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch.
- * York rake, seed & mulch rest of larger pad area.
- * Rake, seed & mulch area where CD dumpster sat.
- * General cleanup.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____
(Signature)

FAX COVER SHEET

ZENECA

DCC2
1800 Concord Pike
P.O. Box 15437
Wilmington, DE 19850-5437

NO. OF PAGES INCLUDING COVER SHEET: _____

DATE: 3/22/05

TO: Wayne / Joe

FAX NO.:

FROM: TKH

FAX NO.:

PHONE NO.:

MESSAGE: Here are the transfer
lists for the Maestri files. Pick
out what you want and we will
have them brought up to this office

THE INFORMATION CONTAINED IN THIS FAX MESSAGE IS INTENDED FOR THE PERSONAL AND CONFIDENTIAL USE OF THE
DESIGNATED RECIPIENTS NAMED ABOVE. This message may be an attorney-client communication and, as such, is privileged and confidential.
If the reader of this message is not the intended recipient or an agent responsible for delivering it to the intended recipient, you are hereby notified that
you have received this document in error, and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you
have received this communication in error, please notify us immediately by telephone and return the original message to us by mail. Thank you.


ZENECA Inc.

No. ENV

RECORDS TRANSFER LIST

To: Corporate Records Center		Date: 11/20/00	Page 1 of 1	
Return to: Starr Pruszinski				
Department	Section	Location		
Environmental Services & Engineering	N/A	Hanby 1		
Department Contact: Starr Pruszinski		Extension: 64106		
Department Retention Schedule No. 307		Destruction Date: 2025		
Type of Copy	Title of Records by Filing Arrangement (Title Same as Used in Retention Schedule)	Date of Records From To	Dept. Box #	Index Number
R	Maestri environmental files project 19610 Remedial Investigation / Feasibility Study - 1992			105385

For Records Center Use

(1) Checked Policy & Contents _____ (2) Number Assigned _____ (3) Posted Volume _____ 


ZENECA Inc.

No. ENV-2000

RECORDS TRANSFER LIST

To: Corporate Records Center		Date: 11/21/00	Page 1 of 1	
Return to: Starr Prusinski		Location		
Department	Section	Hanby 1		
Environmental Services & Engineering	N/A	Extension: 64106		
Department Contact: Starr Prusinski		Destruction Date: 2025		
Department Retention Schedule No. 307				
Type of Copy	Title of Records by Filing Arrangement (Title Same as Used in Retention Schedule)	Date of Records From To	Dept. Box #	Index Number
R	Regulatory Agency Correspondence - Maestri, NY Volume 1 Volume 2 Volume 3 Volume 4	1/88 to 8/88 9/88 to 3/89 5/89 to 3/90 3/90 to 4/91		106021

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No. ENV-2000

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To: Corporate Records Center		Date: 11/21/00	Page 1 of 1	
Return to: Starr Prusinski				
Department	Section	Location		
Environmental Services & Engineering	N/A	Hanby 1		
Department Contact: Starr Prusinski		Extension: 64106		
Department Retention Schedule No. 307		Destruction Date: 2025		
Type of Copy	Title of Records by Filing Arrangement (Title Same as Used in Retention Schedule)	Date of Records From To	Dept. Box #	Index Number
R	J. A. MacArthur files - Macstri, NY - PRAP, December, 1994 and Public Hearing - Access Agreements - Specification for Drum Removal - March, 1990 - Anomaly Excavation and Removal - 1993/94 - Miscellaneous drawings - Site data book			105399

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No. ENV-2000

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To: Corporate Records Center		Date: 11/21/00	Page 1 of 1	
Return to: Starr Pruszinski				
Department	Section	Location		
Environmental Services & Engineering	N/A	Hanby 1		
Department Contact: Starr Pruszinski		Extension: 64106		
Department Retention Schedule No. 307		Destruction Date: 2025		
Type of Copy	Title of Records by Filing Arrangement (Title Same as Used in Retention Schedule)	Date of Records From To	Dept. Box #	Index Number
R	J. A. MacArthur files - Macstri, NY Remediation Project - Project Correspondence - Field Costs - Temp Discharge Analyses - Daily Reports - Sign-in Sheets - Bio Pile Analyses - Notebooks - Miscellaneous Notes and Data on Biopiles - Video of Test Pits			105398

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ZENECA Inc.

No. ENV-2000

RECORDS TRANSFER LIST

To: Corporate Records Center		Date: 11/16/2000		Page 1 of 1	
Return to: Starr Pruszinski					
Department	Section	Location			
Environmental Services & Engineering	N/A	Hanby 1			
Department Contact:		Extension: 64106			
Department Retention Schedule No. 307		Destruction Date: 2026			
Type of Copy	Title of Records by Filing Arrangement (Title Same as Used in Retention Schedule)	Date of Records From To	Dept. Box #	Index Number	
R	Maestri - Parrett Wolff 19679 Maestri G/W OBG Purchase Order 19615 Maestri G/W Well Specs 19679 Maestri G/W Pump Specs 19679 Maestri G/W Drawings 19679 Maestri G/W Scope of Work 19679 Maestri G/W Civil Work Package #1 19679 Maestri G/W Civil Work Package #2			105370	

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ASTRAZENECA Inc.

No. ENV-2000

RECORDS TRANSFER LIST

To: Corporate Records Center		Date: 11/3/00	Page 1 of 1	
Return to:				
Department	Section	Location		
Environmental Services & Engineering	N/A	Hanby 1		
Department Contact: Starr Pruszinski		Extension: 4106		
Department Retention Schedule No. 307		Destruction Date: <i>PERM</i>		
Type of Copy	Title of Records by Filing Arrangement (Title Same as Used in Retention Schedule)	Date of Records From To	Dept. Box #	Index Number
R	DRAWINGS			
	SMC - Tampa, FL		DRW-53	105125
	Hopewell, VA / Van Nuys, CA / Bayport, TX / Bayonne, NJ / Misc ICI Sites		DRW-54	105126
	Dayton - Misc / Dayton - Press Bldg Addition		DRW-55	105127
	Fairfax - Old Photos & Maps		DRW-56	105128
	SMC / Seneffe, Belgium / SC-0051 Herbicide Plant		DRW-57	105129
	Thoro - Rubonate Drum & Filling Booths		DRW-58	105130
	Office & Warehouse Neenah, Wisconsin		DRW-59	105131
	Inks - Winston-Salem, NC Solvent Storage		DRW-60	105132
	New Castle County & Del. State Maps		DRW-61	105133
	Tybouts Corner Wetland Migration West Land Fill Area		DRW-61	105134
	Delaware City		DRW-62	105135
	Maestri		DRW-63	105136
	Tampa Phosphorus Drum Project #08085		DRW-64	105137

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ZENECA Inc.

No. ENV-2000

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To: Corporate Records Center		Date: 11/21/00		Page 1 of 1	
Return to: Starr Prusziński					
Department	Section	Location			
Environmental Services & Engineering	N/A	Hanby 1			
Department Contact: Starr Prusziński		Extension: 64106			
Department Retention Schedule No. 307		Destruction Date: 2025			
Type of Copy	Title of Records by Filing Arrangement (Title Same as Used in Retention Schedule)	Date of Records From To	Dept. Box #	Index Number	
R	J. A. MacArthur files – Maestri, NY - Groundwater Remediation Project – Basis of Design - Yield Tests - Effectiveness Reports - Performance Test – August, 1994 - Treatment Plant Operations Manual - Water Monitoring Data Acquisition System - PETREX Soil Gas Survey - Indoor Air Survey - Fish and Wildlife Survey - Remedial Work Plan and Design - RFO - Design Proposals			105400	

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SPEC Consulting, LLC
18 Computer Drive West
Albany, NY 12205

Phone: 518.438.6809
Fax: 518.438.8527

**FAX
FAX**

TO: Ginny

FROM: Wayne
DATE: 3/28/05

FAX: 1-302-886-5933

JOB#: _____

RE: Maester

PAGES: 10 (INCLUDING COVER)

COMMENTS:

Please have records recovered
from the "vault" and I will
propiously come down to
review them.

Wayne

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 10-13-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: partly cloudyTemperature: High- 60`s Low- 50`s**Remarks:**

- * **On-Site 0700 hrs**
- * **Abscope on site 0700 hrs**
- * **Safety meeting / Everett - Butch.**
- * **Install hay bales along silt fence entire length of west fence.**
- * **Remove south fence out side secured area.**
- * **Abscope off-site 1600 hrs.**
- * **Off-site 1700 hrs.**

SMC**Everett L. Rice****Photographs:**The Above Comments Were Made by: _____
(Signature)

STAUFFER MANAGEMENT

Everett L. Rice, Site Representative

Project: MaestriDate: 10-15-99Time: 0700-1600 hrs

SITE OBSERVATION REPORT

Location: Syracuse, N.Y.Weather: partly cloudyTemperature: High- 60 's Low- 50's**Remarks:**

- * On-Site 0700 hrs
- * Abscope on site 0700 hrs
- * Safety meeting / Everett - Butch - Mark.
- * Cut fence posts down along north side.
- * Finished cleanup, removing equipment off-site.
- * Abscope off-site 1600 hrs.
- * Off-site 1700 hrs.

SMCEverett L. Rice**Photographs:**

The Above Comments Were Made by: _____
(Signature)