ENVIRONMENTAL ASSESSMENT STUDY
PHASE II
FORMER SOUSA BULK STORAGE FACILITY
NYSDEC SPILL #9109934
SCHENECTADY, NEW YORK

PREPARED FOR:

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DATE:

DECEMBER 31, 1991

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1.0 INTRODUCTION

Environmental Hydrogeology Corporation (EHC) has prepared this report to present the findings from a Phase II environmental assessment conducted at the former Sousa Bulk Storage Facility, located in Schenectady, New York. The site is currently classified under the New York State Department of Environmental Conservation (NYSDEC) Spill No. 9109934 (See Figure 1). The intent of this investigation was to determine the presence, if any, of petroleum contaminated soils. Field work conducted during this investigation was performed in November of 1991.

2.0 BACKGROUND

This site under investigation formerly housed the Sousa Bulk Storage Facility. The terminal, which had a total storage capacity of approximately 8.8 million gallons, was decommissioned in 1960's to early 1970's and was razed in 1990 under NYSDEC supervision and guidance. The 11 acre parcel was donated to the City of Schenectady in 1982. The property has since been transferred to the City of Schenectady Industrial Development Agency. The site is zoned light industrial and is one of the only remaining developable parcels within the city limits. This parcel is presently in the planning stages for a light industrial park.

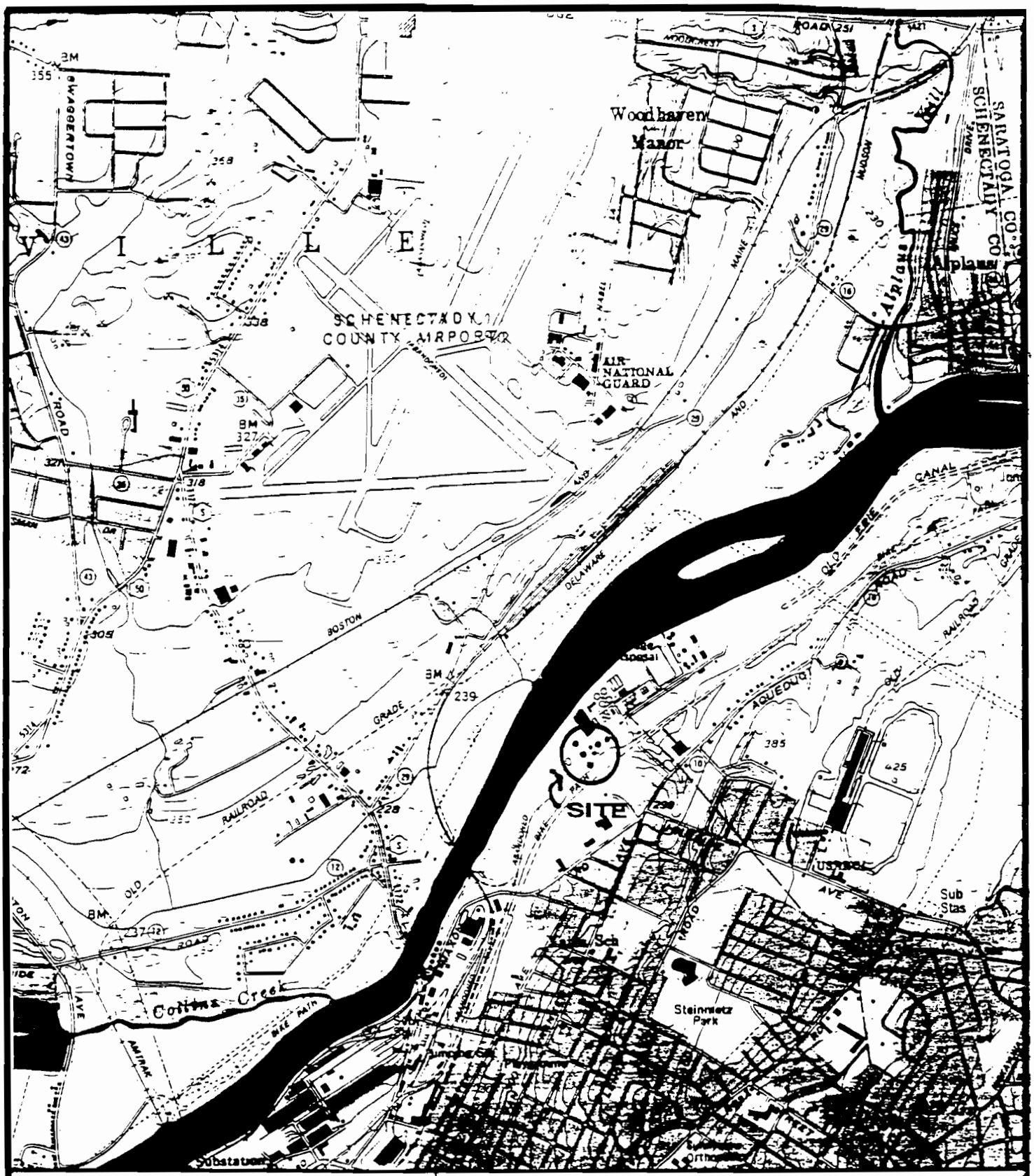

FIGURE 1

SITE LOCATION MAP

SCHENECTADY INDUSTRIAL DEVELOPMENT AGENCY
FORMER SOUSA BULK STORAGE FACILITY

SCALE: 1:24000
SOURCE: NYSDOT 7.5 MIN. QUADRANGLE SCENECTADY 1983

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In December 1982, O'Brien & Gere, Syracuse, New York, performed a field investigation of the Sousa property. The work scope included the installation of 5 soil borings, 4 monitoring wells and subsequent water quality analysis using a gaschromatigraph for total volatile hydrocarbons (benzene, toluene, ethyl benzene, xylene and meta xylene). The laboratory results indicated all parameters were below the detection limits of 1 ppb except in well 4 where 4 ppb of xylene was detected. The report concluded, based upon work performed, that no indication of significant concentrations of hazardous materials were in the groundwater. The entire report is included in Appendix A.

Prior to above ground storage tank (AST) razing, EHC was contracted to sample waste water and sludge remaining in the tanks. Due to climatic conditions, the water from the storage tanks was sampled in two separate events. Tank water from tanks 2, 4, and 7 was sampled on February 28, 1990 and were analyzed by Adirondack Environmental Services, Inc. (AES) following EPA Method 624. On April 20, 1990 tank water from tanks 1, 3, 5 and 6 were sampled and analyzed by AES following EPA 624 Methods. Results are presented in Appendix B and summarized in Table 1. A composite sample of the tank sludge was collected on September

TABLE 1

Summary of Analytical Storage Tank Liquid Quality Data
Former Sousa Property, Schenectady, New York
(Results in ppb)

Parameter	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7
Acetone	<10	<10	38	<10	60	<10	<10
Ethyl Benzene	< 5	< 5	< 5	< 5	< 5	< 5	12
Total Xylenes	< 5	< 5	< 5	< 5	< 5	< 5	30
Remaining Parameters	< D	< D	< D	< D	< D	< D	< D

<D Below Detection Limits.

13, 1990 and analyzed by AES following EPA 8020 methods. The results are presented in Appendix B. In general, all analyzed parameters were below the analytical detection limits.

The existing monitoring wells were gauged on February 28, 1991. No petroleum sheens or odor were observed. The groundwater monitoring form is presented in Appendix C.

The tank razing contractor removed sludge from the tanks and stock piled it on the former AST 1 pad covered with plastic until laboratory results were obtained.

The tank razing was approved and monitored by Mr. Tom Sperbeck, NYSDEC.

3.0 METHOD OF STUDY

3.1 Introduction

The hydrogeologic investigative activities conducted at the subject site consisted of six tasks. Methodologies of each step comprising the task is explained in the following sections. Below is an outline of the tasks performed;

1. Installation of a soil boring at the down gradient side of each former above ground storage tank (total of seven borings).

2. Continuous split spoon samples collected and screened by an HNu PI-101 Photoionization Meter.

3. Composite soil samples generated from each boring and analyzed for lead, EPA 8020, EPA 8270 BN following TCLP Methods.

4. Collect composite sample from unidentified waste labeled "A" analyzed following the TCLP Method.

5. Collect composite sample from unidentified waste labeled "B" analysis following the TCLP Method.

6. Collect a composite sample from the stockpiled soil and analyzed for Ignitability, EPA Lead, EPA 8020 and EPA 8270 by TCLP Methods.

3.2 Site Conditions

The site is located off Anthony Street in the City of Schenectady, Schenectady County, New York. As seen on Figure 2, the site is bordered to the north by the Mohawk River and the City of Schenectady sewage treatment facility which includes aeration and digestion complex and ash lagoon). N/F Juellet T. Ferro and Rose Jean Ferro and N/F Hudson River Estates, Inc. own vacant lands to the west and southwest respectively. A bike path owned by the State of New York borders the southern boundary. South of the bike path are lands owned by the Capital District Transit Authority. The eastern edge is bound by Anthony Street. Opposite Anthony Street is a vacant lot owned by Salisbury Oil Company which is on the EPA Cerclis List.

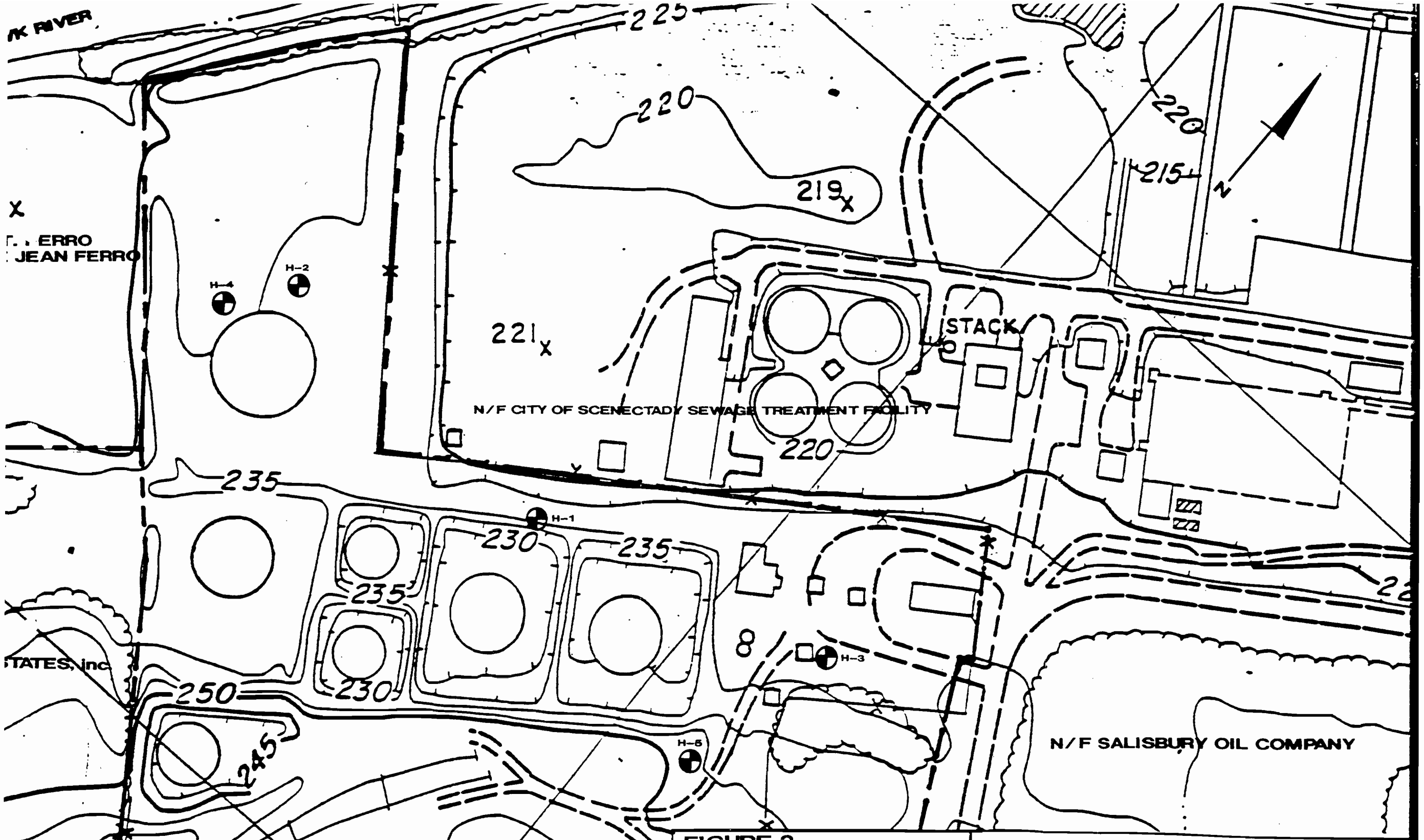

FIGURE 2

SITE MAP

SCHENECTADY INDUSTRIAL DEVELOPMENT AGENCY

FORMER SOUSA BULK STORAGE FACILITY

SCALE:1"=100'

SOURCE: NYSDOT DIVISION OF CONSTRUCTION SHEET NO.37-A-2

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The source of identified petroleum is believed to be a compilation of minor releases resulting from poor "house keeping".

Domestic wells do not exist down gradient from the site. The only down gradient receptor is the City of Schenectady Sewage Treatment Facility. The treatment facility is on city water.

The Mohawk River abuts a portion of the property on the northwest site. The former storage tank locations are 330 to 740 feet away from the River.

The abandoned Erie Canal bisects the property along the path of the former service road between tanks 2 through 7 and the Mohawk River. The construction and depth of the canal is unknown at the present time. If the canal is tight and bisects the water table surface, it may act as a dam in the upper portion of the surficial groundwater system. This would cause surficial groundwater and any possible hydrocarbon contaminants to pool upgradient of the canal side wall, while allowing deeper groundwater to pass below unaffected.

The NYSDEC was notified of the petroleum hydrocarbon levels in the soils at the site, upon review of the analytical data on December 18, 1991. The spill number was issued at that time.

3.3 Drilling Program

3.3.1 Soil Boring Installation

Soil boring work was performed on November 7 and 8, 1991. One boring was installed on the down gradient side of each tank location. Boring locations are depicted in Figure 3 entitled Soil Boring Location Map.

Hollow stem auger drilling techniques were used on all seven soil borings. Soil Drilling Investigations, Inc. (SDI) of Nassau, New York, installed the boring with a truck mounted Acker Soil Max. Supervision of all drilling and sampling was provided by an EHC Geologist, a summary of the borings is included in Table 2.

3.3.2 Sampling and Classification of Soils

Split barrel soil samples were collected at all boring locations. Two 24-inch (2-inch O.D.) split barrel samplers were used to collect the subsurface soil samples. Samples were washed with Alconox between sampling events. The samples were retrieved by driving a sampler with a 140 pound hammer falling 30 inches until either 24 inches were penetrated or 100 blows applied. The number of blows required to achieve each six

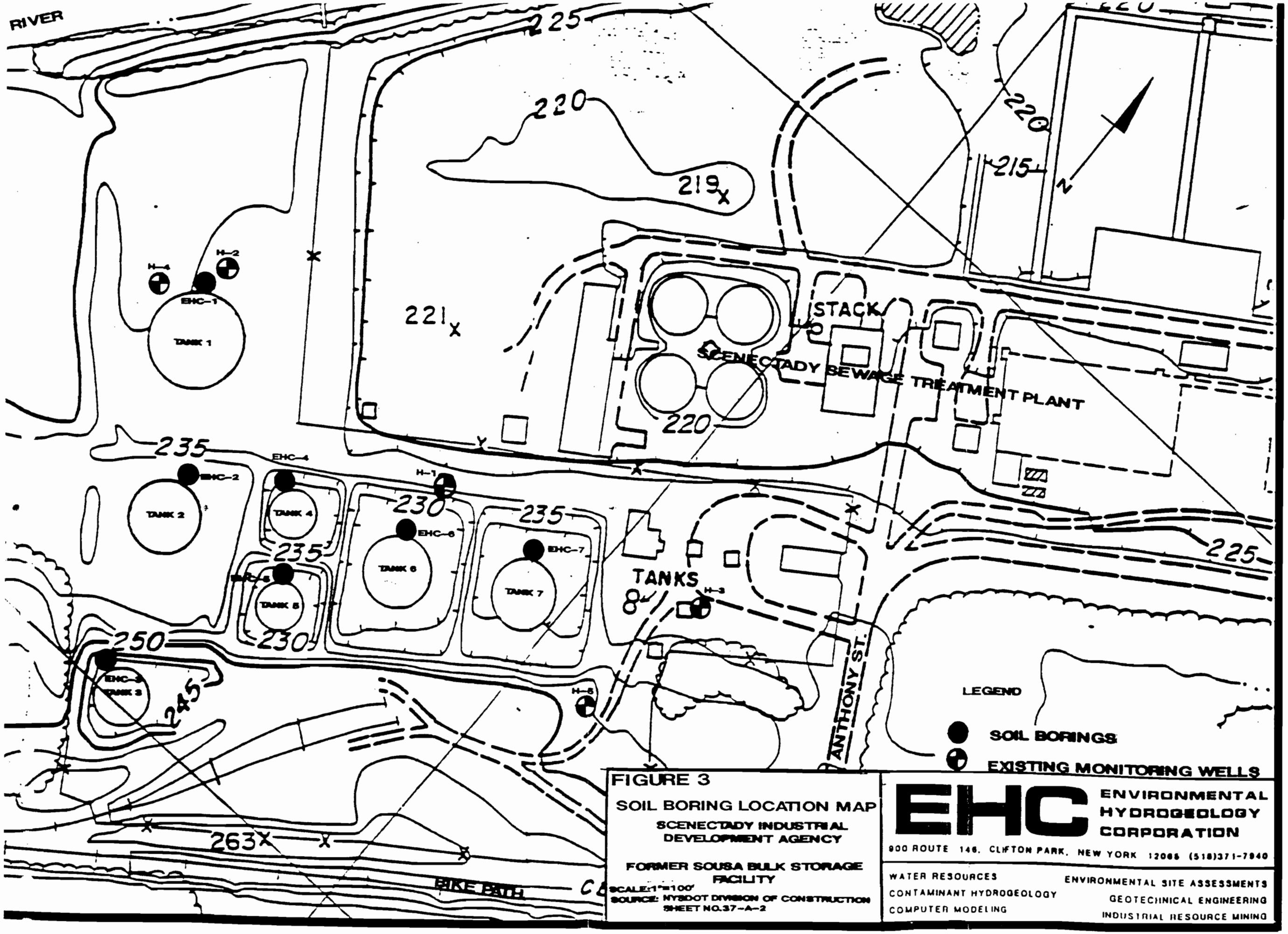

FIGURE 3

SOIL BORING LOCATION MAP

SCENECTADY INDUSTRIAL DEVELOPMENT AGENCY

FORMER SOUSA BULK STORAGE FACILITY

SCALE: 1"=100'

SOURCE: NYSDOT DIVISION OF CONSTRUCTION SHEET NO. 37-A-2

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TABLE 2

Soil Boring Data Base
Former Sousa Property, Schenectady, New York

Well	Date	Formation Drilled	Boring Depth (ft)	Approx. Depth to water	Bedrock Encountered
1	11/8/91	Sand to Silty Clay	16'	7.0'	N/A
2	11/7/91	Sand to Silty Clay	16'	7.0'	N/A
3	11/7/91	Sand/Gravel to Silty Clay	14'	6.0'	Shale @ 14'
4	11/8/91	Sand/Gravel to Silty Clay trace fine Sand	16'	7.0'	N/A
5	11/7/91	Sand/Gravel to Silty Clay and fine Sand	13.75'	8.0'	Shale @ 13'
6	11/8/91	Sand/Gravel to Silty Clay	16'	5.0'	N/A
7	11/8/91	Sand/Gravel to Silty Clay	16'	5.0'	N/A

inches of penetration was recorded. Continuous sampling was performed on the seven test borings and was used to characterize the general soil conditions below the site.

All samples were logged on-site using the Modified Burmister and Unified Soil Classification Systems (See Appendix D for key to descriptions). The samples were retained in glass jars sealed with aluminum foil lined screw top lids for organic vapor field screening (See Section 5.1). In compliance with ASTM methods, the soil sample jars were labeled with the following information: job designation, boring number, sample number, depth of sample, penetration record and length of recovery. Soil boring logs describing subsurface materials encountered in the test borings are provided in Appendix D.

3.3.3 Sampling of Unidentified Material

Composite samples were collected with stainless steel tools from each of the two types of unidentified waste products. The products were encountered during the razing of the terminal. A full TCLP scan was performed on the samples. Samples collected on November 8, 1991 were labeled A for the yellow and B for the red containers holding unidentified material. Samples were delivered to CTM Analytical Laboratories for analysis.

3.3.4 Decontamination Procedures

Prior to drilling the first boring, the equipment used in drilling and well installation was cleaned to remove possible contaminants encountered at previous jobs. All equipment which came in contact with the soil as well as water tanks, drill tools, pumps and hoses, underwent the initial cleaning procedure. While working at the site, the drilling equipment was decontaminated between boring locations to prevent cross contamination. Split spoon samplers were washed with Alconox and rinsed between samples.

Decontamination took place on a temporary decon pad located south of Tank 2. The cleaning process involved the use of a high pressure steam cleaner. Uncontaminated water collected off-site by SDI was used for all decontamination procedures. The decontamination water was stored in a DOT approved 55 gallon drum.

3.4 Photoionization Screening Procedures

Soil samples collected as a result of the soil boring installation program were screened for volatile organics using a HNU Model PI-101 photoionizer with a 10.2 eV lamp. HNU screening was performed to ensure personnel safety during

drilling activities and to assist in the compositing if contamination was noted. Screening was performed the same day that the samples were collected. Measurements were obtained by removing the screw on lid and piercing the aluminum foil covering the top of each sample jar with the photoionization probe. The head space was tested for the presence of volatile organic vapors, and the results were recorded after five seconds (optimum response time indicated by manufacturer).

The HNU-101 operates on the principle of photoionization. Photoionization uses ultraviolet light to ionize many trace compounds (especially organics), and the model PI-101 employs this principle to measure the concentration of trace gases. In the PI-101, a chamber adjacent to the ultraviolet light source contains a pair of electrodes. When a positive potential is applied to one electrode, the field created drives any ions in the chamber to the collection electrode where the current is measured. The measured current is proportional to the concentration of organics sampled by the instrument's probe. For this process to be successful, the energy (electron voltage [eV]) of the ultraviolet lamp must be greater than the ionization potential of the sample. The useful range of the instrument is from 0.1 to 2000 ppm (for benzene or other VOC's with similar ionization potentials). The HNU is calibrated for direct reading in ppm volume per volume of benzene. The

calibration procedure, performed prior to its use, involves the standardization of probe response using a calibration gas of know organic concentration or adjacent known background conditions.

4.0 HYDROGEOLOGY

The site exists in the flood plain area south of the Mohawk River. Unconsolidated deposits indigenous to this area primarily consist of fill material, glacial lacustrine sands and clays as well as fluvial sand and gravel deposits.

Due to similar composition and lack of observable soil structure in the samples, it was difficult to distinguish fill from the lacustrine sands and/or gravel. Although significant fill was not confirmed during soil boring, except in EHC-1, fill and/or cut episodes were presumed to have occurred. The presence of timber (fill) in the 8 to 10 foot sample in Boring EHC -1 confirms the existence of fill from 0 to 8 feet. Material similar to the confirmed fill was observed in the other borings. This material may be native material, local fill or reworked surficial deposits during prior site construction activities.

The site is bisected by the abandoned Erie Canal and the main sewer trunk line. Petroleum contaminated soils were not

reported during the construction of the trunk line in the early 1970's according to the City Engineer's Office. Soil disturbance had occurred on site during the following three known construction events on site: Terminal Construction, Erie Canal and Sewer Line Installation.

The test boring data is limited to the upper 16 feet. In general, unconsolidated deposits encountered consist, in descending order of fill material, sands and/or gravel and silt/ clays underlain by the Canajoharie Shale formation.

The thickness of each deposit varies across the site. Generally, there is an undetermined amount of fill on the site due to the lack of distinguishable features. The only confirmed fill area is in boring EHC-1 where 8 feet of sand and gravel fill over lay 2 feet of timber fill. The sand and gravel deposits and/or fill depth range between 2 and 11 feet.

The total thickness for the underlying silty clay deposit was not determined due to the limited scope of the test boring program. The minimum thickness observed was 5 feet. The silty clays were deposited from glacial Lake Coveville during the Woodfordian glaciation approximately 11,000 to 12,000 years ago. Soil boring logs with complete descriptions of the soils encountered are presented in Appendix D.

The minimum total thickness of unconsolidated deposits observed at the site was 13 feet in EHC-5. During the 1982 investigation, the minimum thickness observed was five feet in Boring B-3. Black fissiler, calcareous shales of the Canajoharie Shale formation was encountered in EHC-3 and EHC-5 at 14 and 13 feet, respectively.

Groundwater exists under unconfined conditions within the surficial deposits. Groundwater surface elevations were taken from two sources, soil boring installation and existing monitoring wells. Depth to groundwater ranged from approximately five to nine feet in the borings and two to six feet in the wells. Groundwater level monitoring data appears in Table 3. The groundwater surface elevations for the November 28, 1991 and February 7 and 8, 1990 data are presented on Figures 4 and 5, respectively. The groundwater flows to the northwest at a gradient ranging from 0.33% to 4%.

Overall regional groundwater flow mimics topography and flows northwest toward the Mohawk River.

TABLE 3

Summary of Groundwater Level Data

Well/Boring	Date	Approx. depth to Water (ft)	Approx. Grade Elevation	Approx. Water Table Surface Elevation	Product Thickness
EHC-1	11/8/91	7	230	223	N/A
EHC-2	11/7/91	7	231	224	N/A
EHC-3	11/7/91	6	242	236	N/A
EHC-4	11/8/91	7	232	225	N/A
EHC-5	11/7/91	8	233.6	225.6	N/A
EHC-6	11/8/91	5	233	228	N/A
EHC-7	11/8/91	5	233	228	N/A
B-1	2/28/90	2.00	230	228	0.00
B-2	2/28/90	6.07	230	223.9	0.00
B-3	2/28/90	N/A	232	N/A	N/A
B-4	2/28/90	5.70	230	224.3	0.00
B-5	2/28/90	N/A	237	N/A	N/A

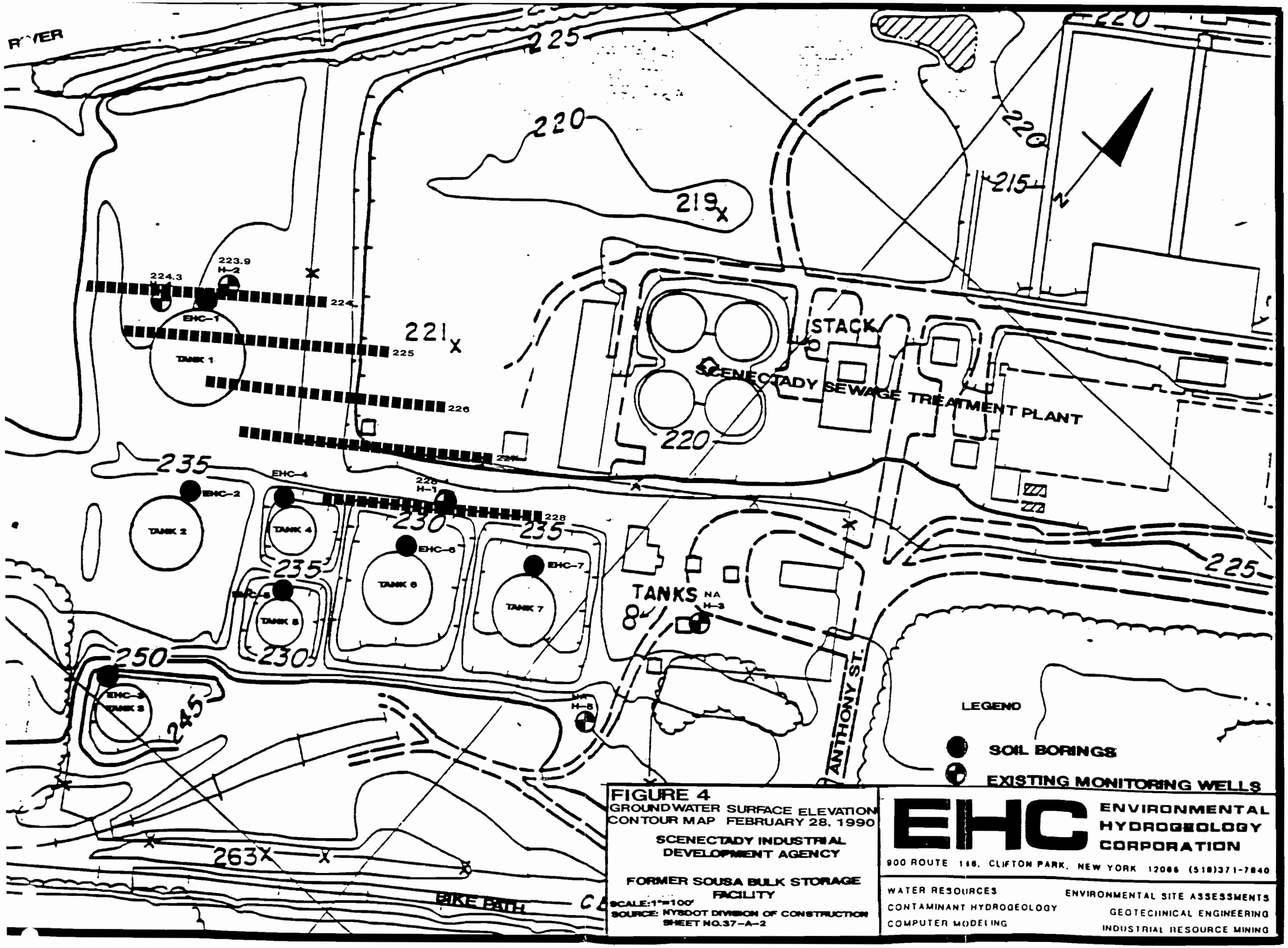

FIGURE 4
GROUNDWATER SURFACE ELEVATION CONTOUR MAP FEBRUARY 28, 1990

SCENECTADY INDUSTRIAL DEVELOPMENT AGENCY

FORMER SOUSA BULK STORAGE FACILITY

SCALE: 1"=100'
SOURCE: NYSDOT DIVISION OF CONSTRUCTION SHEET NO. 37-A-2

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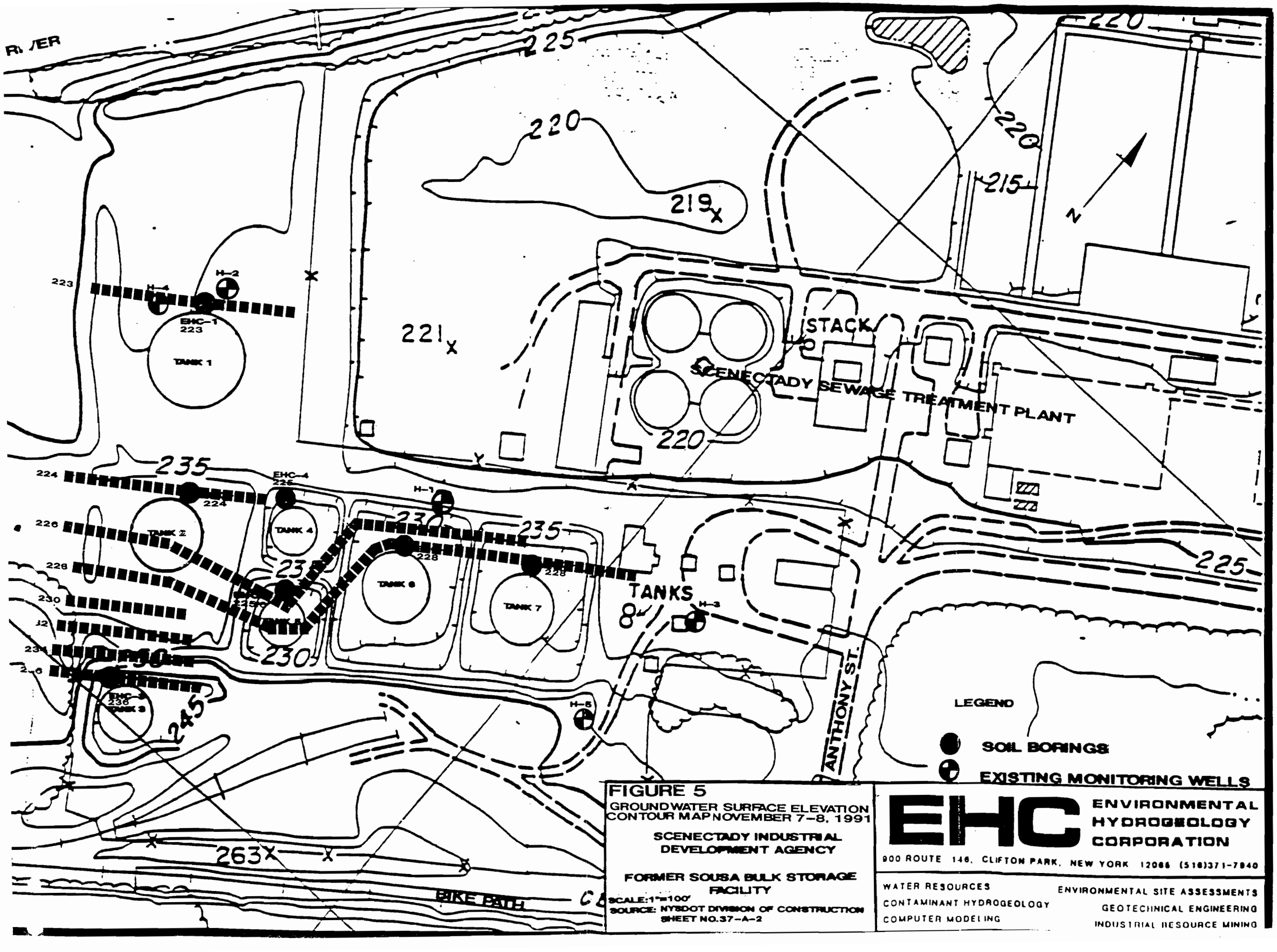

FIGURE 5
GROUNDWATER SURFACE ELEVATION CONTOUR MAP NOVEMBER 7-8, 1991

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FORMER SOUSA BULK STORAGE FACILITY

SCALE: 1"=100'
SOURCE: NYSDOT DIVISION OF CONSTRUCTION SHEET NO. 37-A-2

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5.0 SOIL QUALITY RESULTS

5.1 Field Photoionization Screening

Split spoon samples were monitored in the field with a photoionization device as described in Section 3.3 Photoionization Screening Procedures. The values with respect to depth appear in Table 4 and on the boring logs in Appendix D. In general, values at the site range from 0 ppm to > 200 ppm. Based on these preliminary results, the borings with the highest hydrocarbon levels were EHC-3, EHC-4 and EHC-5.

Field screening was used to compile the laboratory samples. Laboratory results are used to verify initial field results. Compilation was performed by composition split spoon samples from each boring with elevated field HNu values. The entire boring was composited if non-elevated readings were collected.

5.2 Laboratory Soil Quality Results

On November 7 and 8, 1991, composite soil samples were collected from each of the seven soil borings and the soil pile and delivered to CTM Laboratories for analysis pursuant to the Environmental Protection Agency Lead, 8270 Base Neutrals and 8020 TCLP Method. (EPA 8270 BN and EPA 8020 TCLP Methods). The results for lead sampling have not been released from the

TABLE 4

Field Photoionization Field Screening Results Versus Depth for individual Soil Borings EHC-1 to EHC-7 Former Sousa Property, Schenectady, New York

Depth (ft)	EHC-1	EHC-2	EHC-3	EHC-4	EHC-5	EHC-6	EHC-7
1	0*	0*	0	0	0	0	0
2	0*	0*	0	0	0	0	0
3	0*	0*	0	0	0	0	N/A
4	0*	0*	0	0	0	0**	N/A
5	0*	0*	0	0	200*	0	25**
6	0*	0*	0**	0	200*	0	25
7	0**	0**	N/A	30**	200*	2	8*
8	0*	0*	N/A	30*	200**	25*	8*
9	0*	0*	65*	40*	50*	30*	<5*
10	0*	0*	65*	40*	50*	30*	<5*
11	0*	0*	75*	10*	25*	5*	<5*
12	0*	0*	75*	10*	25*	5*	<5*
13	0*	0*	25*	5*	20*	<5*	6*
14	0*	0*	25*	5*	20*	<5*	0
15	0*	0*	5	5*		<5*	<5*
16	0*	0*		0*		<5*	<5*

* Composite soil sample member.

** Approximate groundwater table surface depth.

laboratory at the time of this report's completion and will be presented in a supplemental letter. The sampling locations were selected to identify the soil quality down gradient of each former storage tank site. Soil samples were composited as described in Section 5.1. The split spoon samples composited to form the composite lab sample are identified in Table 4.

The results from the soil sampling event identify traces of hydrocarbon contamination in all of the samples. However, due to the presence of 2.0 ppb Benzene and 1.4 ppb toluene in the blank, the samples may have been contaminated and therefore the results for some compounds are potentially false highs. The soil quality results are summarized in Table 5. The laboratory analysis reports are presented in Appendix E.

6.0 UNIDENTIFIED MATERIAL QUALITY RESULTS

The TCLP results indicate low concentration of analyzed parameters. Laboratory results summarized in Table 6 appear in their entirety in Appendix F. All results were below the TCLP regulatory levels for hazardous waste. Since some compounds are above the NYS Part 5 drinking water standards the waste is classified as an industrial waste and can be disposed of at a municipal landfill with their approval. The waste must be transported by a permitted waste hauler.

TABLE 5

Summary of Analytical Soil Quality Data
Results for Borings EHC-1 to EHC-7
Former Sousa Property, Schenectady, New York

Parameter Analyzed	EHC-1	EHC-2	EHC-3	EHC-4	EHC-5	EHC-6	EHC-7	Soil Pile	Blank	NYSDEC "Free of Petroleum" Standards TCLP Methods
Benzene	2	3	2	2	3	2	3	2	2	N/D
Toluene	0	0	1	4	1	0	14	1	1.4	5
Total xylene *	0	0	1	6	6	2	60	7	0	N/A
Ethylbenzene	0	0	0	0	2	0	0	1	0	5
Napthlene	0	0	0	0	16	0	0	0	0	10
12 Dichloro-benzene	0	0	0	0	9	0	0	0	0	5
2-Methyl-Napthtalene Benzene	0	0	0	0	49	0	0	15	0	N/A

* Regulatory levels for individual xylenes is 5 ppb.

TABLE 6

Summary of Unidentified Materials
"A" & "B" TCLP Results
Former Sousa Property, Schenectady, New York

Compound	Material "A" Result (mg/l)	Material "B" Result (mg/l)	Hazardous Waste TCLP Regulatory Levels (mg/l)	NYS Part 5 Regulatory Levels (mg/l)
Arsenic	1.0	0.003	5.0	0.05
Barium	<0.5	1.2	100.0	1.0
Cadmium	0.05	0.06	1.0	0.01
Chromium	1.2	0.07	5.0	0.05
P-Creson	<0.01	<0.01	10.0	N/A
Hexachloroethane	<0.01	0.3	3.0	N/A
Nitrobenzene	<0.01	0.3	2.0	N/A
Pyridine	0.2	0.05	5.0	N/A
Silver	0.05	0.04	5.0	0.05

All other compounds were below the qualitive detection limits and the RCRA characterization TCLP Levels.

7.0 DISCUSSION

The results of the environmental assessment study conducted at the former Sousa Bulk Storage Facility in Schenectady, New York identified the following conditions.

- The depth to the Canajoharie Shale bedrock vary across the site from 5 feet to greater than 16 feet. Silty clay laid down by Glacial Lake Coveville was the deepest unconsolidated deposit. The upper unconsolidated deposit ranged from silty sand to sand and gravel evidence of fill material was found in one boring. The site appears to have undergone grading.

- Groundwater exists within the surficial unconsolidated deposits under unconfined conditions.

- Groundwater flow is in the northwest direction and approximately gradient of 0.33% to 4%. Historical groundwater quality analysis determined nondetectable levels of total hydrocarbons (BTEX) with the exception of 4 ppb toluene in one well. Free phase product or odors were not noted in the groundwater well during the 1990 monitoring.

- Soil boring and existing monitoring well sampling suggest that the petroleum contamination is not extensive.

- No down gradient potable wells exist.

- An EPA Cerclis site is located approximately 50 feet east of the site.

- Petroleum products reputedly have not been stored at the site since the late 1960's to early 1970's (approximately 20 years).

- The tanks were removed under NYSDEC supervision and guidance in 1990.

- Construction of a light industrial park is scheduled for spring of 1992 by the Schenectady Industrial Development Agency (SCIDA).

- Based upon the TCLP results, the unidentified wastes are classified as industrial wastes which may be disposed of at a municipal landfill with their approval by a permitted waste hauler.

- Lead concentrations are needed to fully classify soil at the site. Lead results will be submitted in a supplemental letter upon receipt of results.

- This acreage is the last remaining light industrial site within the City of Schenectady that can be used to promote economic and tax base development without effecting neighborhoods.

APPENDIX A

Previous Report

O'BRIEN & GERE

December 20, 1982

City of Schenectady
Department of Planning
and Economic Development
City Hall
Schenectady, N.Y. 12305

ATTN: Mr. Glenn Gibbs,
Planner

RE: Sousa Property Investigations
FILE:1698.007

Dear Glenn:

By your letter dated November 15, 1982, O'Brien & Gere Engineers was authorized to conduct a limited field investigation of the Sousa property relating to the offer of this property to the City by the present owner.

The prime objective of this work was to determine if any extensive dumping of hazardous materials had been done on this site in the past. The investigation included the following activities:

1. A site inspection with members of O'Brien & Gere staff, City personnel and representatives of the owner.
2. A subsurface soils investigation of limited scope.
3. Sampling and analysis of subsurface water and soils for indications of toxic pollutants.
4. Letter report stating the findings of the investigation.

The site inspection indicated the following:

1. The eleven acre site contains seven major oil storage tanks with a total volume of approximately 8.8 million gallons, as well as two smaller tanks of undetermined volume.

2. The tanks are of a steel construction, both riveted and welded and are generally in good condition, some with extensive exterior surface rust.

3. Two buildings are on site. One is an office/storage building in poor condition. The second is the product distribution pump building in good condition. The pumps, valves and electrical equipment have been vandalized.

4. The site is covered with brush vegetation with no visible areas indicative of contaminated soil. Some small areas under equipment and valves had an oily smell indicating product leakage, which is to be expected.

On November 30, 1982, subsurface soils investigations were conducted on the Sousa property. The work was done by Empire Soils Investigations, under the supervision of O'Brien & Gere Engineers. A sketch of the locations of the borings as well as the boring logs are attached hereto. Please note that boring B-3 was terminated at a depth of 5.2 feet when rock was encountered and therefore was not fully developed. Soil samples, taken from within the water table, and groundwater samples were obtained from the developed borings using applicable sampling techniques and handcarried by our laboratory for analysis. Groundwater levels were checked by City personnel on December 12 with the following results:

Boring	Depth to Groundwater
B-1	6' - 11"
B-2	14' - 4 1/2"
B-4	6' - 1/2"
B-5	14' - 8"

The ground water samples were analysed using a gas chromatograph having a detection limit, for the anaylses run, of one part per billion. A scan for total volatile hydrocarbons (BTX) was performed to determine concentrations of benzene, toluene, ethyl benzene, xylene and meta-xylene.

The results of the scan indicate that none of the above compounds are present in sufficient concentration to be detected (i.e. if they are present, they exist in concentrations of less than one part per billion) with one exception. In Boring B-4, a concentration of 4 parts per billion of xylene was detected, but this is an extremely small concentration, well below acceptable levels established by the Environmental Protection Agency. In addition, the BTX scans were observed for purgeable compounds with special emphasis on halogenated compounds. Again, the results indicated the compounds in questions were well within acceptable limits.

In summary, the work undertaken was not intended to be a comprehensive evaluation of the Sousa property, but rather an investigation to determine if extensive dumping of hazardous materials had occurred on this site. Petroleum products are evident in the soils and groundwater. However, based on the sampling and analysis that was undertaken, we find no indication of significant concentrations of hazardous materials in the groundwater.

Should you have any questions regarding this report, please contact the undersigned or Mr. James A. Stearns of this office.

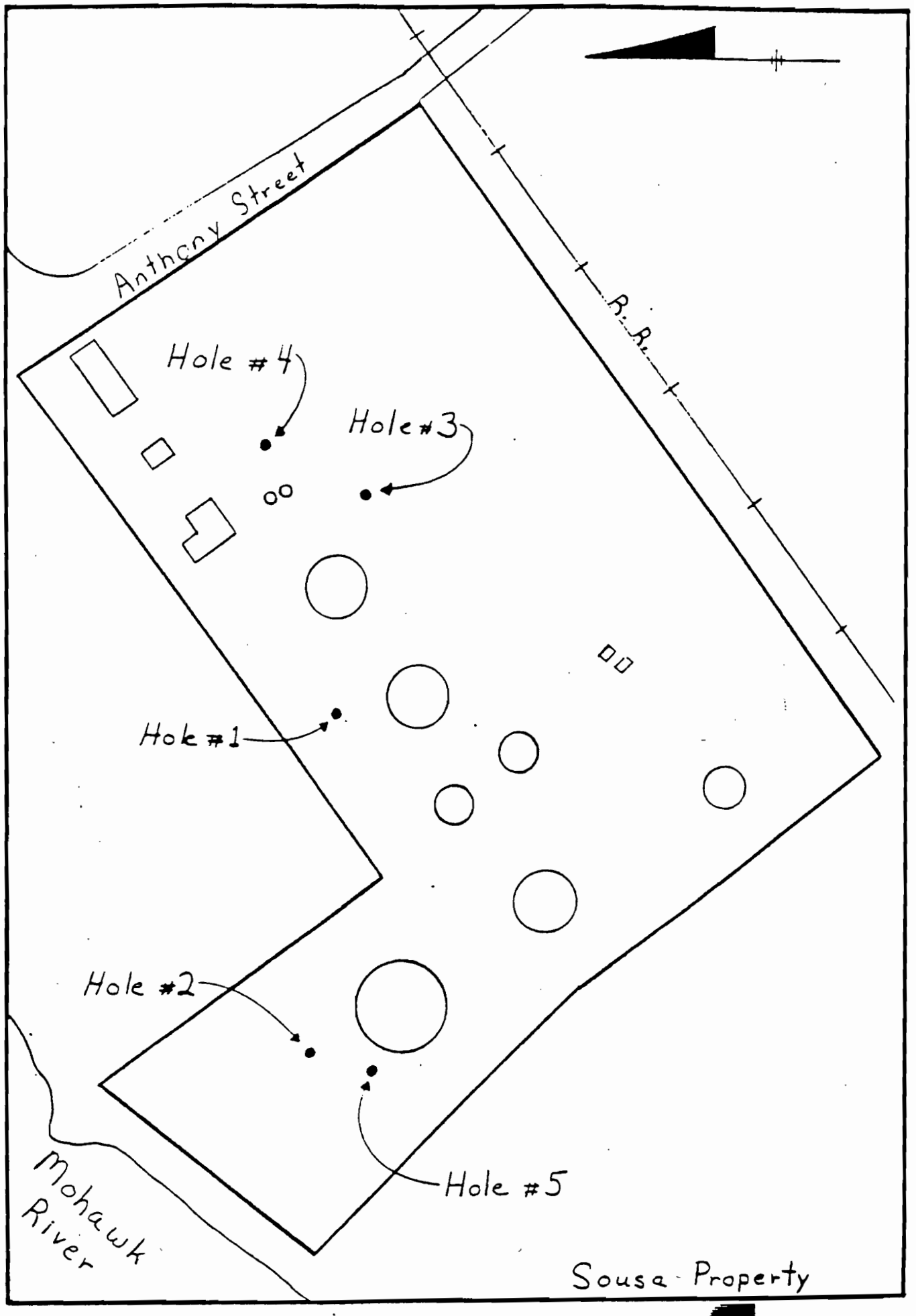
Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Anthony J. Geiss, Jr, P.E.
Managing Engineer

AJG/lp

cc: Mr. J. Stearns


Anthony Street
R.R.
Hole #4
Hole #3
Hole #1
Hole #2
Hole #5
Mohawk River
Sousa Property

O'BRIEN & GERE

STARTED 11/30/82
FINISHED 11/30/82
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS INC

SUBSURFACE LOG

HOLE NO B-1
SURF ELEV
G.W DEPTH See Note #1

PROJECT Subsurface Investigation & Monitor Well Installation

LOCATION Sousa Property Schenectady, NY

DEPTH FEET	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	8	18	15	33		Brown fine SAND & SILT, trace fine gravel	Note #1: At completion of boring, a 2" PVC groundwater monitor well was installed to 18.0'. Groundwater @ 12.0' before well installation.
		2	7	11	12	23			
5									
		3	6	6	6	12		-no recovery	
10								(Moist-Compact to Firm)	
		4	3	3	3	6		Brown SILT, Some fine Sand	
15									
		5	2	1	1	2		(Wet-Loose)	
20								End of Boring @ 19.5'	

N = No blows to drive 2 spoon 12 " with 140 lb pin wt falling 30 "per blow

C = No blows to drive ____ casing ____ " with ____ lb weight falling ____ "per blow

METHOD OF INVESTIGATION 3¼" I.D. Hollow Stem Auger Casing

CLASSIFICATION Visual by Driller

DATE
STARTED 11/30/82
FINISHED 11/30/82
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS INC

SUBSURFACE LOG

HOLE NO. B-2
SURF ELEV
G.W DEPTH See Note #1

PROJECT Subsurface Investigation & Monitoring Well Installation

LOCATION Sousa Property Schenectady, NY

DEPTH IN FEET	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6 6/12 12/18 N	BLOWS IN CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	2 2 4 6		Brown fine SAND, trace silt	Note #1: At completion of boring, a 2" PVC groundwater monitor well was installed @ 25.0'.
		2	8 7 7 14		-grades dark brown	
5						
		3	8 8 2 10		-grades Some Silt, trace organic material	
10					(Moist to Wet-Firm to Loose)	
		4	3 4 4 8		Mottled brown-gray SILT	
15					(Wet-Loose)	
		5	18 19 15 34		Brown fine SAND, Some Silt, trace wood frags	
20					-grades gray fine SAND, little silt	
		6	3 8 5 13		(Wet-Compact to firm)	
25					End of Boring @ 25.0'	

N = No. blows to drive 2 spoon 1 2 " with 140 lb pin wt falling 30 "per blow

C = No. blows to drive _____ casing _____ " with _____ lb weight falling _____ "per blow

METHOD OF INVESTIGATION 3¼" I.D. Hollow Stem Auger Casing

CLASSIFICATION Visual by Driller

STARTED 11/30/82
FINISHED 11/30/82
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO. B-3 B-2
SURF ELEV
C W DEPTH See Note #1

PROJECT Subsurface Investigation & Monitor Well Installation

LOCATION Sousa Property Schenectady, NY

DEPTH	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0-6 / 6-12 / 12-18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	4 / 8 / 15	23		Brown SILT & fine SAND, trace fine gravel	Note #1: No groundwater encountered during drilling operations.
		2	18 / 23 / 48			-grades Some Silt. -grades weathered SHALE frags.	
5		3	100/.2			(Moist to Dry-Firm to Very Compact)	
						End of Boring @ 5.2'	
10							
15							
20							

N = No. blows to drive 2 sp oon 12 " with 140 lb pin wt falling 30 "per blow

C = No. blows to drive ____ casing ____ " with ____ lb weight falling ____ "per blow

METHOD OF INVESTIGATION 3½" I.D. Hollow Stem Auger Casing

CLASSIFICATION Visual by Driller

DATE
STARTED 11/30/82
FINISHED 11/30/82
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS INC — SUBSURFACE LOG

HOLE NO B-4
SURF ELEV
G W DEPTH See Note #1

PROJECT Subsurface Investigation & Monitor Well Installation

LOCATION Sousa Property, Schenectady, NY

DEPTH	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER (6 / 12 / 18)	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	3	9		Dark brown fine SAND, little silt	Note #1: At completion of boring, a 2" PVC groundwater monitor well was installed to 13.5'.
			4 5			(Moist-Loose)	
		2	3 4	11		Brown SILT, Some fine Sand	
5			7			-becomes wet, grades Some fine Gravel	
		3	8 14	21			
10			7			-trace organic material noted	
		4	8 9	18		(Moist to Wet-Firm)	
15			9			End of Boring @ 14.5'	
20							

N = No. blows to drive 2 spoon 12 " with 140 lb pin wt falling 30 "per blow

C = No. blows to drive _____ casing _____ " with _____ lb weight falling _____ "per blow

METHOD OF INVESTIGATION 3¼" I.D. Hollow Stem Auger Casing

CLASSIFICATION Visual by Driller

STARTED 11/30/82
FINISHED 11/30/82
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATION, INC.

SUBSURFACE LOG

HOLE NO B-5
SURF ELEV
G.W DEPTH See Note #1

PROJECT Subsurface Investigation & Monitor Well Installation

LOCATION Sousa Property, Schenectady, NY

DEPTH	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW IN CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	2	2	2	4		Brown fine SAND, trace silt	Note #1: At completion of boring, a 2" PVC groundwater monitor well was installed to 18.5'.
		2	4	5	4	9			
5								-grades Some Silt, trace organic material	
		3	1	1	2	3			
10								(Moist-Loose)	
		4	1	1	1	2		Brown SILT, trace organic material	
15								-grades Some fine Sand	
		5	2	2	2	4		(Wet-Loose)	
20								End of Boring @ 19.5'	

N = No. blows to drive 2 spoon 12" with 140 lb pin wt falling 30 "per blow

C = No. blows to drive ____ casing ____" with ____ lb weight falling ____ "per blow

CLASSIFICATION Visual by Driller

METHOD OF INVESTIGATION 3¼" I.D. Hollow Stem Auger Casing

APPENDIX B

Analytical Storage Tank Content Quality Data

Adirondack Environmental Services, Inc.
P.O. Box 265
298 Riverside Avenue
Rensselaer, NY 12144
(518) 434-4546 / 434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

LABORATORY REPORT

for

Environmental Hydrogeology Co.
Route 146
Clifton Park, NY 12065

Attention: Jeffrey Wink

Job #: 93040-085 W

Report date: 03/05/90
Number of samples analyzed: 4
AES Project ID: 900228AC

Adirondack Environmental Services, Inc.
P.O. Box 265
298 Riverside Avenue
Rensselaer, NY 12144
(518) 434-4546 / 434-0891 FAX

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 02/28/90
CLIENT'S SAMPLE ID: Tank 7 Date sample received: 02/28/90
AES sample #: 900228AC01 Samples taken by: L. Williams Location: Sousa Property
MATRIX: wastewater grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Bromomethane	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Vinyl Chloride	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Chloroethane	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Methylene chloride	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Acetone	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Carbon Disulfide	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1 Dichloroethene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1 Dichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,2-Dichloroethene Total	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Chloroform	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,2 Dichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
2-Butanone	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
1,1,1 Trichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Carbon Tetrachloride	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Vinyl acetate	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Bromodichloromethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,2-Dichloropropane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
t-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Trichloroethene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 02/28/90
CLIENT'S SAMPLE ID: Tank 7 Date sample received: 02/28/90
AES sample #: 900228AC01 Samples taken by: L. Williams Location: Sousa Property
MATRIX: wastewater grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Dibromochloromethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1,2-Trichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Benzene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
cis-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
2-Chloroethylvinylether	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Bromoform	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
4-Methyl-2-pentanone	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
2-Hexanone	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Tetrachloroethene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1,2,2-Tetrachloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Toluene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Chlorobenzene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Ethylbenzene	EPA-624	12	ug/l	GCMS-K-28	03/01/90
Styrene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Total Xylenes	EPA-624	30	ug/l	GCMS-K-28	03/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 02/28/90
CLIENT'S SAMPLE ID: Tank 4 Date sample received: 02/28/90
AES sample #: 900228AC03 Samples taken by: L. Williams Location: Sousa Property
MATRIX: wastewater grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DAT
Chloromethane	EPA-624	<10	ug/l	GCMS-K-28	03/01/9
Bromomethane	EPA-624	<10	ug/l	GCMS-K-28	03/01/9
Vinyl Chloride	EPA-624	<10	ug/l	GCMS-K-28	03/01/9
Chloroethane	EPA-624	<10	ug/l	GCMS-K-28	03/01/9
Methylene chloride	EPA-624	<5	ug/l	GCMS-K-28	03/01/9
Acetone	EPA-624	60	ug/l	GCMS-K-28	03/01/9
Carbon Disulfide	EPA-624	<5	ug/l	GCMS-K-28	03/01/9
1,1 Dichloroethene	EPA-624	<5	ug/l	GCMS-K-28	03/01/9
1,1 Dichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/9
1,2-Dichloroethene Total	EPA-624	<5	ug/l	GCMS-K-28	03/01/9
Chloroform	EPA-624	<5	ug/l	GCMS-K-28	03/01/9
1,2 Dichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/9
2-Butanone	EPA-624	<10	ug/l	GCMS-K-28	03/01/9
1,1,1 Trichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/9
Carbon Tetrachloride	EPA-624	<5	ug/l	GCMS-K-28	03/01/9
Vinyl acetate	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Bromodichloromethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,2-Dichloropropane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
t-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Trichloroethene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 02/28/90
CLIENT'S SAMPLE ID: Tank 4 Date sample received: 02/28/90
AES sample #: 900228AC03 Samples taken by: L. Williams Location: Sousa Property
MATRIX: wastewater grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Dibromochloromethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1,2-Trichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Benzene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
cis-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
2-Chloroethylvinylether	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Bromoform	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
4-Methyl-2-pentanone	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
2-Hexanone	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Tetrachloroethene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1,2,2-Tetrachloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Toluene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Chlorobenzene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Ethylbenzene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Styrene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Total Xylenes	EPA-624	<5	ug/l	GCMS-K-28	03/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 02/28/90
CLIENT'S SAMPLE ID: Tank 2 Date sample received: 02/28/90
AES sample #: 900228AC04 Samples taken by: L. Williams Location: Sousa Property
MATRIX: wastewater grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Bromomethane	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Vinyl Chloride	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Chloroethane	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Methylene chloride	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Acetone	EPA-624	38	ug/l	GCMS-K-28	03/01/90
Carbon Disulfide	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1 Dichloroethene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1 Dichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,2-Dichloroethene Total	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Chloroform	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,2 Dichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
2-Butanone	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
1,1,1 Trichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Carbon Tetrachloride	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Vinyl acetate	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Bromodichloromethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,2-Dichloropropane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
t-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Trichloroethene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 02/28/90
CLIENT'S SAMPLE ID: Tank 2 Date sample received: 02/28/90
AES sample #: 900228AC04 Samples taken by: L. Williams Location: Sousa Property
MATRIX: wastewater grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Dibromochloromethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1,2-Trichloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Benzene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
cis-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
2-Chloroethylvinylether	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Bromoform	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
4-Methyl-2-pentanone	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
2-Hexanone	EPA-624	<10	ug/l	GCMS-K-28	03/01/90
Tetrachloroethene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
1,1,2,2-Tetrachloroethane	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Toluene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Chlorobenzene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Ethylbenzene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Styrene	EPA-624	<5	ug/l	GCMS-K-28	03/01/90
Total Xylenes	EPA-624	<5	ug/l	GCMS-K-28	03/01/90

APPROVED BY: Frank Lauden
Report date: 03/05/90

EHC environmental hydrogeology corp.
ROUTE 146, CLIFTON PARK, NEW YORK 12065 (518) 371-7621
28 MADISON STREET, RUTLAND, VERMONT 05701 (802) 775-3100

Client Name: Schenectady City Ind. Devl. Agency	EHC Contact: Jeff Wink
Project No.: 93040-085 W	Laboratory Contact:
Site Location: Sousa Property	Lab Identification:
	Date Report Required
Sampler: L. Williams	Verbals ASAP

1228 Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	Sample Container	Preserv.	Filter: Pore, Type	Comp. or Grab	Analysis Required	Comment
01 TANK 7	2/28	11⁰⁵	13 Tank water	28 Grab	--	C		—	Grab	624	
02 TANK 7 Dup	2/28	"	TANK 13 WATER	28 Grab	--	C		—	Grab	624	[illegible] HOLD
03 TANK 4	2/28	11¹⁵	TANK 13 water	28 Grab	--	C		—	Grab	624	
04 TANK 2	2/28	11³⁵	TANK 13 water	28 Grab	--	C		—	Grab	624	

	Name	Affiliation	Date	Time		
Relinquished by:	[signature]	EHC	2/28/90	14:15	Received by Laboratory:	[signature] 2/28/90 14:15
Received by:					Samples Intact & Properly Preserved:	
Relinquished by:						
Received by:						

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298 Riverside Avenue
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TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or non-performance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrovacably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

LABORATORY REPORT

for

Environmental Hydrogeology Co.
Route 146
Clifton Park, NY 12065

Attention: Jeffrey Wink

Report date: 05/09/90
Number of samples analyzed: 5
AES Project ID: 900420AD

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 04/20/90
CLIENT'S SAMPLE ID: 1 Industrial Park Date sample received: 04/20/90
AES sample #: 900420AD01 Samples taken by: L. Williams Location: Schenectady Co.
MATRIX: water grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromomethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Vinyl Chloride	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Chloroethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Methylene chloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichlorofluoromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloroethene Total	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chloroform	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,1 Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Carbon Tetrachloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Bromodichloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloropropane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
t-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Benzene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Dibromochloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2-Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 04/20/90
CLIENT'S SAMPLE ID: 1 Industrial Park Date sample received: 04/20/90
AES sample #: 900420AD01 Samples taken by: L. Williams Location: Schenectady Co.
MATRIX: water grab

continued:

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
2-Chloroethylvinylether		EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromoform		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2,2-Tetrachloroethane		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Tetrachloroethene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Toluene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chlorobenzene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Ethylbenzene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 04/20/90
CLIENT'S SAMPLE ID: 3 Industrial Park Date sample received: 04/20/90
AES sample #: 900420AD02 Samples taken by: L. Williams Location: Schenectady Co.
MATRIX: water grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromomethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Vinyl Chloride	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Chloroethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Methylene chloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichlorofluoromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloroethene Total	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chloroform	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,1 Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Carbon Tetrachloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Bromodichloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloropropane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
t-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Benzene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Dibromochloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2-Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 04/20/90
CLIENT'S SAMPLE ID: 3 Industrial Park Date sample received: 04/20/90
AES sample #: 900420AD02 Samples taken by: L. Williams Location: Schenectady Co.
MATRIX: water grab

continued:

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
2-Chloroethylvinylether		EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromoform		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2,2-Tetrachloroethane		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Tetrachloroethene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Toluene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chlorobenzene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Ethylbenzene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 04/20/90
CLIENT'S SAMPLE ID: 5 Industrial Park Date sample received: 04/20/90
AES sample #: 900420AD03 Samples taken by: L. Williams Location: Schenectady Co.
MATRIX: water grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromomethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Vinyl Chloride	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Chloroethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Methylene chloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichlorofluoromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloroethene Total	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chloroform	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,1 Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Carbon Tetrachloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Bromodichloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloropropane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
t-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Benzene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Dibromochloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2-Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 04/20/90
CLIENT'S SAMPLE ID: 5 Industrial Park Date sample received: 04/20/90
AES sample #: 900420AD03 Samples taken by: L. Williams Location: Schenectady Co.
MATRIX: water grab

continued:

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
2-Chloroethylvinylether		EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromoform		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2,2-Tetrachloroethane		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Tetrachloroethene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Toluene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chlorobenzene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Ethylbenzene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90

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CLIENT: Environmental Hydrogeology Co.
CLIENT'S SAMPLE ID: 9 Industrial Park
AES sample #: 900420AD04 Samples taken by: L. Williams
MATRIX: water

Date Sampled: 04/20/90
Date sample received: 04/20/90
Location: Schenectady Co.
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromomethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Vinyl Chloride	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Chloroethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Methylene chloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichlorofluoromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloroethene Total	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chloroform	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,1 Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Carbon Tetrachloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Bromodichloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloropropane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
t-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Benzene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Dibromochloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2-Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 04/20/90
CLIENT'S SAMPLE ID: 9 Industrial Park Date sample received: 04/20/90
AES sample #: 900420AD04 Samples taken by: L. Williams Location: Schenectady Co.
MATRIX: water grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
2-Chloroethylvinylether	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromoform	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2,2-Tetrachloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Tetrachloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Toluene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chlorobenzene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Ethylbenzene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 04/20/90
CLIENT'S SAMPLE ID: 6 Industrial Park Date sample received: 04/20/90
AES sample #: 900420AD05 Samples taken by: L. Williams Location: Schenectady Co.
MATRIX: water grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromomethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Vinyl Chloride	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Chloroethane	EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Methylene chloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichlorofluoromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloroethene Total	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chloroform	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2 Dichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,1 Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Carbon Tetrachloride	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Bromodichloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,2-Dichloropropane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
t-1,3-Dichloropropene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Trichloroethene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Benzene	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Dibromochloromethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2-Trichloroethane	EPA-624	<5	ug/l	GCMS-M-4	05/01/90

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CLIENT: Environmental Hydrogeology Co. Date Sampled: 04/20/90
CLIENT'S SAMPLE ID: 6 Industrial Park Date sample received: 04/20/90
AES sample #: 900420AD05 Samples taken by: L. Williams Location: Schenectady Co.
MATRIX: water grab

continued:

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
2-Chloroethylvinylether		EPA-624	<10	ug/l	GCMS-M-4	05/01/90
Bromoform		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
1,1,2,2-Tetrachloroethane		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Tetrachloroethene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Toluene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Chlorobenzene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90
Ethylbenzene		EPA-624	<5	ug/l	GCMS-M-4	05/01/90

APPROVED BY: Frank Sauden
Report date: 05/09/90

EHC environmental hydrogeology corp.
ROUTE 146, CLIFTON PARK, NEW YORK 12065 (518) 371-7621
28 MADISON STREET, RUTLAND, VERMONT 05701 (802) 775-3100

Client Name: SOUSA
Project No.:
Site Location: SCHENECTADY CO. IND PARK
Sampler: L. WILLIAMS

EHC Contact: JEFF WINK
Laboratory Contact:
Lab Identification:
Date Report Required

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	Sample Container	Preserv.	Filter: Pore, Type	Comp. or Grab	Analysis Required	Comment
1	4/20	10:15	2		—		—			~~624~~	
3	"	10:15	2		—		—			—	
5	"	10:15	2		—		—			"	
9	"	10:00	2		—		—			"	
6	"	9:45	2		—		—			"	

	Name	Affiliation	Date	Time
Relinquished by:	C. Baffi	EHC	4/20/90	11:30
Received by:	[signature]	AES	4/20/90	11:40
Relinquished by:				
Received by:				

Received by Laboratory: [signature] 4/20/90 11:4
Samples Intact & Properly Preserved:

Adirondack Environmental Services, Inc.
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Albany, New York 12207
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TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or non-performance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrovacably waived.

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LABORATORY REPORT

for

Environmental Hydrogeology Co.
Route 146
Clifton Park, NY 12065

Attention: Jeffrey Wink

Report date: 09/19/90
Number of samples analyzed: 1
AES Project ID: 900913 F
Invoice #: 100295

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
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CLIENT: Environmental Hydrogeology Co. Date Sampled: 09/13/90
CLIENT'S SAMPLE ID: Tank Comp. Date sample received: 09/13/90
AES sample #: 900913 F01 Samples taken by: Chris Bablin Location: Schenectady NY
MATRIX: sludge grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
Trichloroethylene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
Toluene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
Tetrachloroethene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
Ethylbenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
p-Xylene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
Chlorobenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
m-Xylene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
o-Xylene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
Isopropyl Benzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
Styrene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
n-Propylbenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
t-Butylbenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
o-Chlorotoluene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
p-Chlorotoluene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
Bromobenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
sec-Butylbenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
1,3,5-Trimethylbenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
p-Cymene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
1,2,4-Trimethylbenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CLIENT: Environmental Hydrogeology Co. Date Sampled: 09/13/90
CLIENT'S SAMPLE ID: Tank Comp. Date sample received: 09/13/90
AES sample #: 900913 F01 Samples taken by: Chris Bablin Location: Schenectady NY
MATRIX: sludge grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
p-Dichlorobenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
m-Dichlorobenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
n-Butylbenzene	EPA-8020	<100	ug/kg	MT-K-30	09/18/90
o-Dichlorobenzene	EPA-8020	<200	ug/kg	MT-K-30	09/18/90
Hexachlorobutadiene	EPA-8020	<200	ug/kg	MT-K-30	09/18/90
1,2,4 Trichlorobenzene	EPA-8020	<200	ug/kg	MT-K-30	09/18/90
Naphthalene	EPA-8020	<500	ug/kg	MT-K-30	09/18/90
1,2,3-Trichlorobenzene	EPA-8020	<500	ug/kg	MT-K-30	09/18/90

APPROVED BY: Frank Sanders
Report date: 09/19/90

EHC environmental hydrogeology corp.
ROUTE 146, CLIFTON PARK, NEW YORK 12065 (518) 371-7621
28 MADISON STREET, RUTLAND, VERMONT 05701 (802) 775-3100

Client Name: SCHENECTADY COUNTY INDUSTRIAL DEV. CORP
Project No.:
Site Location: ANTHONY ST TANK FARM
Sampler: CHRIS BABCIN

EHC Contact: JEFF WINK
Laboratory Contact: CHRIS OLSEN
Lab Identification:
Date Report Required

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	Sample Container	Presery.	Filter: Pore, Type	Comp. or Grab	Analysis Required	Comment
TANK - COMP	9/13/92	12:30	S	—	—	—	✓	—	G	503.1	XYLENE, TOLUEN SCAN PLEASE

	Name	Affiliation	Date	Time
Relinquished by:	C. Babcin	EHC	9/13/92	1:30
Received by:				
Relinquished by:				
Received by:				

Received by Laboratory:
Samples Intact & Properly Preserved: Yes

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or non-performance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrovacably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

APPENDIX C

Water Level Monitoring Form

WATER LEVEL MEASUREMENTS

Sheet 1 of 1

Client: SCIDA Project No. _____

EHC

Location: Former Sousa Property, Scdy

Field Personnel: L. Williams

Measuring Device Used: Solinst interface Probe

Field Conditions (Weather, etc.) Clear, windy 28°F

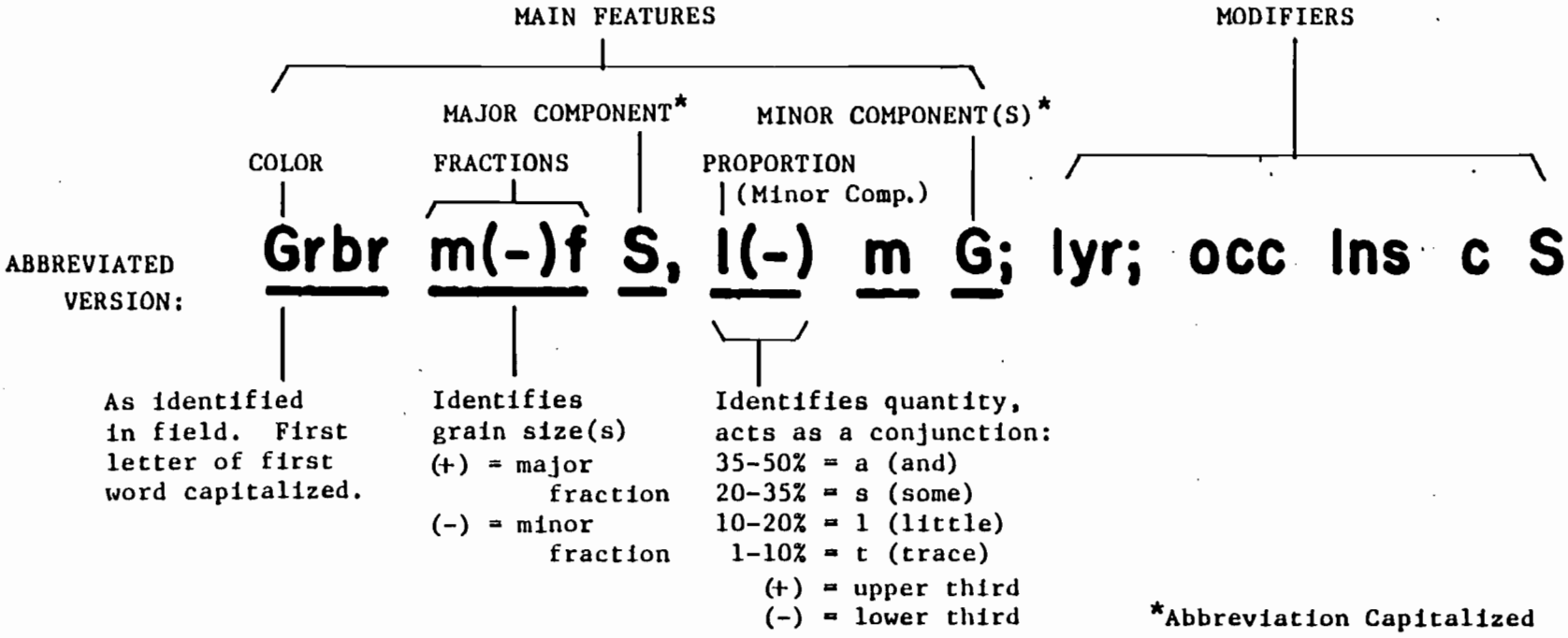
Well No.	Date	Time	Held	Cut	Depth	MP *	MP Elev.	WL Elev.*	Remarks
H1	2/28/96	905			3.25	PVC		228	PVC broken
						Grade	230		Sy = 1.25'
H2		930			7.58	PVC		223.9	
						Grade	230		Sy = 1.51'
H3		955			N/A			NA	excess destroyed
						Grade	232		by Construction crew
H4		1010			7.73	PVC		224.3	Stick up is ident
						Grade	230		Sy = 2.03
H5					NA			NA	well not
									installed in
									bonns
* water levels are calculated relative to									
approximate Grade elevations									** No Free -
									Phase Petroleum
									was detected
									in the wells.
									No sheens were
									observed.

* S = Steel, PVC, specify other

APPENDIX D

Soil Boring Logs

MODIFIED BURMISTER SYSTEM



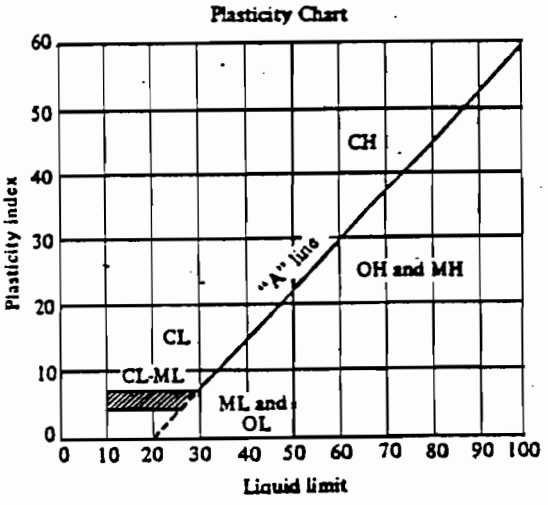
UNABBREVIATED VERSION: **Gray brown medium (-) to fine SAND, little (-) medium Gravel; layered; occasional lens coarse Sand (SP).**

UNIFIED SOIL CLASSIFICATION:** Adequate for a generalized stratum description.

UNIFIED SOIL CLASSIFICATION SYSTEM. (ASTM D-2487)

Major Divisions			Group Symbols	Typical Names	Laboratory Classification Criteria	
Coarse-grained soils (More than half of material is larger than No. 200 sieve size)	Gravels (More than half of coarse fraction is larger than No. 4 sieve size)	Clean gravels (Little or no fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	$C_U = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3	
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines	Not meeting all gradation requirements for GW	
		Gravels with fines (Appreciable amount of fines)	GM[a] d / u	Silty gravels, gravel-sand-silt mixtures	Atterberg limits below "A" line or P.I. less than 4	Above "A" line with P.I. between 4 and 7 are *borderline* cases requiring use of dual symbols
			GC	Clayey gravels, gravel-sand-clay mixtures	Atterberg limits below "A" line with P.I. greater than 7	
	Sands (More than half of coarse fraction is smaller than No. 4 sieve size)	Clean sands (Little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines	$C_U = \frac{D_{60}}{D_{10}}$ greater than 6; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3	
			SP	Poorly graded sands, gravelly sands, little or no fines	Not meeting all gradation requirements for SW	
		Sands with fines (Appreciable amount of fines)	SM[a] d / u	Silty sands, sand-silt mixtures	Atterberg limits above "A" line or P.I. less than 4	Limits plotting in hatched zone with P.I. between 4 and 7 are *borderline* cases requiring use of dual symbols
			SC	Clayey sands, sand-clay mixtures	Atterberg limits above "A" line with P.I. greater than 7	
Fine-grained soils (More than half material is smaller than No. 200 sieve)	Silts and clays (Liquid limit less than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity		
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays		
			OL	Organic silts and organic silty clays of low plasticity		
	Silts and clays (Liquid limit greater than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts		
			CH	Inorganic clays of high plasticity, fat clays		
			OH	Organic clays of medium to high plasticity, organic silts		
	Highly organic soils		Pt	Peat and other highly organic soils		

Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:
- Less than 5 per cent: GW, GP, SW, SP
- More than 12 per cent: GM, GC, SM, SC
- 5 to 12 per cent: *Borderline* cases requiring dual symbols[b]



[a] Division of GM and SM groups into subdivisions of d and u are for roads and airfields only. Subdivision is based on Atterberg limits; suffix d used when L.L. is 28 or less and the P.I. is 6 or less; the suffix u used when L.L. is greater than 28.

[b] Borderline classifications, used for soils possessing characteristics of two groups, are designated by combinations of group symbols. For example: GW-GC, well-graded gravel-sand mixture with clay binder.

VISUAL IDENTIFICATION OF SAMPLES

The samples were identified in accordance with the American Society for Engineering Education System of Definition.

I. Definition of Soil Components and Fractions

Material	Symbol	Fraction	Sieve Size	Definition
Boulders	Bldr	—	9" +	Material retained on 9" sieve.
Cobbles	Cbl	—	3" to 9"	Material passing the 9" sieve and retained on the 3" sieve.
Gravel	G-	coarse (c) medium (m) fine (f)	1" to 3" ⅜" to 1" No. 10 to ⅜"	Material passing the 3" sieve and retained on the No. 10 sieve.
Sand	S	coarse (c) medium (m) fine (f)	No. 30 to No. 10 No. 60 to No. 30 No. 200 to No. 60	Material passing the No. 10 sieve and retained on the No. 200 sieve.
Silt	$	—	Passing No. 200 (0.074 mm)	Material passing the No. 200 sieve that is non-plastic in character and exhibits little or no strength when air dried.

Organic Silt (O$)
Material passing the No. 200 sieve which exhibits plastic properties within a certain range of moisture content, and exhibits fine granular and organic characteristics.

		Plasticity	Plasticity Index
Clayey SILT	Cy$	Slight (Sl)	1 to 5
SILT & CLAY	$&C	Low (L)	5 to 10
CLAY & SILT	C&$	Medium (M)	10 to 20
Silty CLAY	$yC	High (H)	20 to 40
CLAY	C	Very High (VH)	40 plus

Clay-Soil
Material passing the No. 200 sieve which can be made to exhibit plasticity and clay qualities within a certain range of moisture content, and which exhibits considerable strength when air-dried.

II. Definition of Component Proportions

Component	Written	Proportions	Symbol	Percentage Range by Weight *
Principal	CAPITALS	—		50 or more
Minor	Lower Case	and	a.	35 to 50
		some	s.	20 to 35
		little	l.	10 to 20
		trace	t.	1 to 10

* Minus sign (—) lower limit, plus sign (+) upper limit, no sign middle range.

III. Glossary of Modifying Abbreviations

Category	Symbol	Term	Symbol	Term	Symbol	Term
A. Borings	U/D	Undisturbed	B	Exploratory	A	Auger
B. Samples	C	Casing	L	Lost	U	Undisturbed
	D	Denison	S	Spoon	W	Wash
	O.E.	Open End				
C. Colors	bk	black	gn	green	wh	white
	bl	blue	or	orange	yw	yellow
	br	brown	rd	red	dk	dark
	gr	gray	tn	tan	lt	light
D. Organic Soils	dec	decayed	o	organic	veg	vegetation
	dec'g	decaying	rts	roots	pt	peat
	lig	lignite	ts	topsoil		
E. Rocks	LS	Limestone	rk	rock	Shst	Schist
	Gns	Gneiss	SS	Sandstone	Sh	Shale
F. Fill and Miscellaneous Materials	bldr (s)	boulder (s)	cbl (s)	cobble(s)	gls	glass
	brk (s)	brick (s)	wd	wood	misc	miscellaneous
	cndr (s)	cinder (s)	dbr	debris	rbl	rubble
G. Miscellaneous Terms	do	ditto	pp	pocket penetrometer	ref	refusal
	el, El	elevation			sm	small
	fgmt (s)	fragment(s)	P. I.	Plasticity Index	W. L.	water level
	frqt	frequent			W. H.	weight of hammer
	lrg	large	P	pushed pressed	W. R.	weight of rods
	mtld	mottled				
	no rec	no recovery	pc (s)	piece (s)		
	pen	penetration	rec or R	recovered		
H. Stratified Soils	alt	alternating				
	thk	thick				
	thn	thin				
	w	with				
	prt	parting	— 0 to 1/16" thickness			
	seam	seam	— 1/16 to ½" thickness			
	lyr	layer	— ½ to 12" thickness			
	stra	stratum	— greater than 12" thickness			
	vvd c	varved Clay	— alternating seams or layers of sand, silt and clay			
	pkt	pocket	— small, erratic deposit, usually less than 1 foot			
	lns	lens	— lenticular deposit			
	occ	occasional	— one or less per foot of thickness			
	freq	frequent	— more than one per foot of thickness			

EHC ENVIRONMENTAL HYDROGEOLOGY CORPORATION
RTE.146 CLIFTON PARK, N.Y. 371-7621

TEST BORING LOG

BORING No. 1

PROJECT Former Sousa Bulk Storage Facility	SHEET 1 OF 1
CLIENT SCIDA	JOB No.
DRILLING CONTRACTOR Soil Drilling Investigations	MEAS. PT. ELEV.
PURPOSE Exploration of Subsurface Soils	GROUND ELEV. ± 230
DRILLING METHOD HSA	DATUM
DRILL RIG TYPE Acker Soil Max	DATE STARTED 11/8/91
GROUNDWATER DEPTH 7'	DATE FINISHED 11/8/91
MEASURING POINT Grade	DRILLER Carl Schmidt
DATE OF MEASUREMENT 11/8/91	INSPECTOR Chris Bablin

	SAMPLE	CORE	CASING
TYPE	SS	N/A	HSA
DIAM.	2"	N/A	4¼" ID
WEIGHT	140 lbs		
FALL	30"		

DEPTH FT	SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	S_1	4 5 5 5 5	SW		Br, c-f S, fill	Rec= 1.3' DRY 0 ppm
	S_2	8 7 4 3	SW		Same;	Rec= 1.2' Moist 0 ppm
5	S_3	3 3 4 3	SW		Br, f-m (-) S (fill)	Rec= 1.2' Moist 0 ppm
	S_4 a	3 2	SW		7.0'	Rec= 1.7' WET 0 ppm
	S_4 b	1 1			Same; 7.5' Gr f S, tr $ (fill) 8.0'	
	S_5	2 1 2 1	N/A		Gr $yC, a drk org material (wood) (fill) 10.0'	Rec= 1.7' WET 0 ppm
10	S_6	2 2 2 1	OL		Gr $yC, tr org mtrl	Rec= 1.1' WET 0 ppm
	S_7	1 1 1 1	CL		Same; No org mat	Rec= 1.7' WET 0 ppm
15	S_8	1 2 3 4	CL		Same;	Rec= 1.8' WET 0 ppm
					Total Depth of Boring @ 16.0'	
20						

EHC ENVIRONMENTAL HYDROGEOLOGY CORPORATION RTE.146 CLIFTON PARK, N.Y. 371-7621	TEST BORING LOG	BORING No. 2
PROJECT Former Sousa Bulk Storage Facility		SHEET 1 OF 1
CLIENT SCIDA		JOB No.
DRILLING CONTRACTOR Soil Drilling Investigations		MEAS. PT. ELEV.
PURPOSE Exploration of Subsurface Soils		GROUND ELEV. ± 231
DRILLING METHOD HSA	SAMPLE / CORE / CASING	DATUM
DRILL RIG TYPE Acker Soil Max	TYPE: SS / N/A / HSA	DATE STARTED 11/7/91
GROUNDWATER DEPTH 7'	DIAM.: 2" / N/A / 4½" ID	DATE FINISHED 11/7/91
MEASURING POINT Grade	WEIGHT: 140 lbs	DRILLER Carl Schmidt
DATE OF MEASUREMENT 11/7/91	FALL: 30"	INSPECTOR Chris Bablin

DEPTH FT	SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	S_1	2, 2, 3, 3	SW		Br f S	Rec= 1.3' DRY (Moist) 0 ppm
	S_2	5, 5, 7, 7	SW		Br SyC, tr f S	Rec= 1.5' Moist 0 ppm
5	S_3	3, 3, 3, 4	SW		Same;	Rec= 1.3' Moist 0 ppm
	S_4	5, 4, 4, 5	SW		7.0' Same;	Rec= 1.7' Moist (WET) 0 ppm
	S_5	2, 4, 4, 4	SW/ CL		Same; 9.0' Gr CyS	Rec= 1.6' Moist (WET) 0 ppm
10	S_6	1, 1, 2, 1	CL		Same;	Rec= 1.8' WET 0 ppm
	S_7	2, 3, 3, 3	SC		Same; 13.0' Br CyS, a f S	Rec= 1.8' WET 0 ppm
15	S_8	2, 1, 2, 1	CL		15.0' Gr SyC	Rec= 1.8' WET 0 ppm
20					Total Depth of Boring @ 16.0'	

EHC ENVIRONMENTAL HYDROGEOLOGY CORPORATION RTE.146 CLIFTON PARK, N.Y. 371-7621	TEST BORING LOG	BORING No. 3
PROJECT Former Sousa Bulk Storage Facility		SHEET 1 OF 1
CLIENT SCIDA		JOB No.
DRILLING CONTRACTOR Soil Drilling Investigations		MEAS. PT. ELEV.
PURPOSE Exploration of Subsurface Soils		GROUND ELEV. ± 242

		SAMPLE	CORE	CASING	
DRILLING METHOD HSA					DATUM
DRILL RIG TYPE Acker Soil Max	TYPE	SS	N/A	HSA	DATE STARTED 11/7/91
GROUNDWATER DEPTH 6'	DIAM.	2"	N/A	4¼" ID	DATE FINISHED 11/7/91
MEASURING POINT Grade	WEIGHT	140 lbs			DRILLER Carl Schmidt
DATE OF MEASUREMENT 11/7/91	FALL	30"			INSPECTOR Chris Bablin

DEPTH FT	SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	S_1	10, 9, 6, 9	SW		Br m-c G, tr f S	Rec= 0.5' DRY 0 ppm
	S_2	3, 6, 12, 10	Sw		Same;	Rec= 0.7' DRY 0 ppm
5	S_3	15, 18, 15, 14	SW		Same; tr f S	Rec= 0.4' DRY 0 ppm
					6.0'	
	S_4	12, 7, 6, 5	N/A		No Sample	WET
	S_5	9, 6, 3, 5	GC		Gr m-c G a drk $yC, tr f S	Rec= 1.0' WET 65 ppm
10	S_6	5, 3, 3, 10	SC		Gr f S, a $yC, s f-m G	Rec= 1.0' WET 75 ppm
	S_7	6, 7, 10, 19	CL		Br $yC a, f S, tr G	Rec= 1.75' WET 25 ppm
	S8	100/2"			Fractured Shale Bedrock Total Depth of Boring @ 14.0'	Rec= 0.2' Moist ~5 ppm
15						
20						

EHC ENVIRONMENTAL HYDROGEOLOGY CORPORATION RTE.146 CLIFTON PARK, N.Y. 371-7621	TEST BORING LOG	BORING No. 4
PROJECT Former Sousa Bulk Storage Facility		SHEET 1 OF 1
CLIENT SCIDA		JOB No.
DRILLING CONTRACTOR Soil Drilling Investigations		MEAS. PT. ELEV.
PURPOSE Exploration of Subsurface Soils		GROUND ELEV. ± 232
DRILLING METHOD HSA	SAMPLE / CORE / CASING	DATUM
DRILL RIG TYPE Acker Soil Max	TYPE: SS / N/A / HSA	DATE STARTED 11/8/91
GROUNDWATER DEPTH 7'	DIAM.: 2" / N/A / 4¼" ID	DATE FINISHED 11/8/91
MEASURING POINT Grade	WEIGHT: 140 lbs	DRILLER Carl Schmidt
DATE OF MEASUREMENT 11/8/91	FALL: 30"	INSPECTOR Chris Bablin

DEPTH FT	SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	S_1	5, 6, 7, 9	SP		Br f S, a f-m G	Rec= 1.3' Moist 0 ppm
	S_2	4, 5, 5, 14	GM		Same; a, cobble	Rec= 1.2' Moist 0 ppm
5	S_3	3, 13, 56, 7	SP		Gr f S, a f-m G, tr $	Rec= 0.0' Moist 0 ppm
	S_4	30, 5, 5, 5	GC		Gr f-m G a, $yC,	Rec= 0.5' WET 30 ppm
	S_5	2, 2, 3, 3	CL		Gr $yC, tr f S	Rec= 1.6' WET 40 ppm
10	S_6	1, 1, 3, 3	CL		Same;	Rec= 1.5' WET ~10 ppm
	A S_7 B	1, 1, 2, 2	CL		Same;	Rec= 1.9' WET < 5 ppm
					13.75'	
	B S_8 A	1, 1, 1, 1	CL		Br $yC, tr Gr $ & C Same;	Rec= 2.0' WET A) < 5 ppm B) 0 ppm
15					15.0' Gr C tr, $	
					Total Depth of Boring @ 16.0'	
20						

EHC ENVIRONMENTAL HYDROGEOLOGY CORPORATION RTE.146 CLIFTON PARK, N.Y. 371-7621	TEST BORING LOG	BORING No. 5
PROJECT Former Sousa Bulk Storage Facility		SHEET 1 OF 1
CLIENT SCIDA		JOB No.
DRILLING CONTRACTOR Soil Drilling Investigations		MEAS. PT. ELEV.
PURPOSE Exploration of Subsurface Soils		GROUND ELEV. ± 233.6

		SAMPLE	CORE	CASING	
DRILLING METHOD HSA					DATUM
DRILL RIG TYPE Acker Soil Max	TYPE	SS	N/A	HSA	DATE STARTED 11/7/91
GROUNDWATER DEPTH 8'	DIAM.	2"	N/A	4¼" ID	DATE FINISHED 11/7/91
MEASURING POINT Grade	WEIGHT	140 lbs			DRILLER Carl Schmidt
DATE OF MEASUREMENT 11/7/91	FALL	30"			INSPECTOR Chris Bablin

DEPTH FT	SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	S_1	8, 10, 5, 7	SC		Br, $yC, a f S	Rec= 0.9' DRY 0 ppm
	S_2	5, 5, 7, 7	SC		Same;	Rec= 1.3' DRY 0 ppm
5	A S_3 B	3, 4, 7, 9	SC		Same; 5.5' Gr f-m S, tr f G	Rec= 0.9' Moist + 200 ppm
	S_4	4, 4, 6, 4	SP		Same;	Rec= 0.8' Moist + 200 ppm
	S_5	4, 3, 1, 5	GC		Gr f-m G a, f-m S, s $yC	Rec= 1.8' WET 50 ppm
10	S_6	2, 5, 5, 9	GC		Same;	Rec= 0.5' WET 25 ppm
	A S_7 B	8, 12, 46, 100/3"	GC		Same; 13.0' Drk Shale Bedrock	Rec= 0.7 WET A) 20 ppm B) 20 ppm
15					Total Depth of Boring @ 13.75'	
20						

EHC ENVIRONMENTAL HYDROGEOLOGY CORPORATION
RTE.146 CLIFTON PARK, N.Y. 371-7821

TEST BORING LOG

BORING No. 6

PROJECT Former Sousa Bulk Storage Facility	SHEET 1 OF 1
CLIENT SCIDA	JOB No.
DRILLING CONTRACTOR Soil Drilling Investigations	MEAS. PT. ELEV.
PURPOSE Exploration of Subsurface Soils	GROUND ELEV. ± 233
DRILLING METHOD HSA	DATUM
DRILL RIG TYPE Acker Soil Max	DATE STARTED 11/8/91
GROUNDWATER DEPTH 5.5'	DATE FINISHED 11/8/91
MEASURING POINT Grade	DRILLER Carl Schmidt
DATE OF MEASUREMENT 11/8/91	INSPECTOR Chris Bablin

	SAMPLE	TYPE	SAMPLE	CORE	CASING
		TYPE	SS	N/A	HSA
		DIAM.	2"	N/A	4¼" ID
		WEIGHT	140 lbs		
		FALL	30"		

DEPTH FT	SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
		7				
	S_1	8	GM		Br f-c G a, f-m S	Rec= 0.7'
		30				Moist
		25			2.0'	0 ppm
		8				
	S_2	6	SW		Br f S	Rec= 1.0'
		4				Moist
		4				0 ppm
		2				
5	S_3	3	SW		Same; 5.0'	Rec= 0.3'
		3				WET
		3				0 ppm
	A	1				
	S_4	1	SW		Gr f s, tr $	Rec= 2.0'
		3			7.5'	WET
	B	43				A) 2 - 3 ppm
		15			Gr C & $ a, fractured Shale	B) 25 ppm
	S_5	23	GC			
		26			Same;	Rec= 0.5'
10		8				WET
		16				30 ppm
	S_6	7	GC/		Same; 11.0'	Rec= 1.9'
		4	CL		Br $yC	WET
		5				~5 ppm (odor)
		1				
	S_7	2	CL		Same;	Rec= 1.5'
		2				WET
		3				<5 ppm (odor)
		1				
15	S_8	1	CL		Gr $yC	Rec= 2.0'
		1			15.0'	WET
		1			Br $yC	<5 ppm (odor)
					Total Depth of Boring @ 16.0'	
0						

EHC ENVIRONMENTAL HYDROGEOLOGY CORPORATION RTE.146 CLIFTON PARK, N.Y. 371-7621	TEST BORING LOG	BORING No. 7
PROJECT Former Sousa Bulk Storage Facility		SHEET 1 OF 1
CLIENT SCIDA		JOB No.
DRILLING CONTRACTOR Soil Drilling Investigations		MEAS. PT. ELEV.
PURPOSE Exploration of Subsurface Soils		GROUND ELEV. ± 233

DRILLING METHOD HSA		SAMPLE	CORE	CASING	DATUM
DRILL RIG TYPE Acker Soil Max	TYPE	SS	N/A	HSA	DATE STARTED 11/8/91
GROUNDWATER DEPTH 5'	DIAM.	2"	N/A	4¼" ID	DATE FINISHED 11/8/91
MEASURING POINT Grade	WEIGHT	140 lbs			DRILLER Carl Schmidt
DATE OF MEASUREMENT 11/8/91	FALL	30"			INSPECTOR Chris Bablin

DEPTH FT	SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	S_1	8 6 12 8	SP		Br m-c G a, f-m S	Rec= 0.7' Moist 0 ppm
	S_2	5 5 6 6	SP			No Return
5	S_3	1 5 5 2	SP		Gr f-m S, a m-c Gr	Rec= 0.7' WET 25 ppm
	S_4	5 3 3 1	SP		Same;	Rec= 1.8' WET 5 - 10 ppm
	S_5	3 1 1 1	SP			Rec= 0.5' WET < 5 ppm
10					10.0'	
	S_6	WHR WHR 3 3	CL		Gr $yC, tr f S	Rec= 0.5' WET < 5 ppm
	B S_7 A	1 1 3 2	CL		13.0'	Rec= 2.0' WET A) 6 ppm B) 0 ppm
					Br $yC	
15	S_8	11 12 15 13	SP		Gr m-c Gr a, f-m S	Rec= 0.4' WET < 5 ppm
					Total Depth of Boring @ 16.0'	
20						

APPENDIX E

Analytical Soil Quality Data

CTM ANALYTICAL LABS, LTD.
15 Century Hill Dr.
Latham, NY 12110
Phone: (518)786-7100 Fax: (518)786-7139

Laboratory Analysis Report
Prepared for: EHC
Project Number: 91.00851
Task Number: 911108A
06 DEC 1991

IMPORTANT - PLEASE NOTE

1. All results are calculated on a dry weight basis unless otherwise specified.
2. PQL = Practical Quantitation Limit.
3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
4. The TCLP ZHE blank had 2.0 mcg/L of benzene and 1.4 mcg/L of toluene present.

CERTIFICATIONS:

NYS E.L.A.P. ID NO: 10358	MA: NY052	CT: PH-0551
NJ: 73581	PA: 68-402	NH: 199014-C

CTM Analytical Laboratories, Ltd.

F.Y.I.

YOUR TCLP RESULTS HAVE BEEN BIAS CORRECTED

In June 1990, the EPA modified analytical quality assurance requirements for TCLP to include a bias correction. Labs are now required to spike one sample in each analytical batch of extracts, from similar matrices, and bias correct the results, i.e., if the actual result for your sample was 5.0 mg/l and the batch spike recovery for that analyte was 50%, the bias corrected result reported would be 10.0 mg/l. One possible shortcoming with this approach is that the one batch spike recovery may not reflect the true recovery for each sample, since no two sample matrices are identical.

CTM Laboratories has taken the new requirement one step further by spiking each sample extract. This step assures that the bias correction will be sample specific and further improves the accuracy of your results.

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911108A

Attention: LAURIE WILLIAMS

Purchase Order Number:
Date Sampled: 11/07/91 Time: 00:00
Sampled By : BABLIN
Sample Id: SOIL PILE
Location : SCHENECTADY IND. DEV.

CTM Sample No: 911108A 01
Date Received: 11/07/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
TOTAL XYLENES (TCLP)	SW-846 METHOD 8020	7	1	MCG/L	GCI D:84 12/4
ETHYLBENZENE (TCLP)	SW-846 METHOD 8020	1	1	MCG/L	GCI D:84 12/4
CHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
TOLUENE (TCLP)	SW-846 METHOD 8020	1	1	MCG/L	GCI D:84 12/4
BENZENE (TCLP)	SW-846 METHOD 8020	2	1	MCG/L	GCI D:84 12/4
ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	EXTRACTED			ACM 11/12
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETE			DB:60 11/13
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	EXTRACTED			ACM 11/15
IGNITABILITY	EPA METHOD-1010	>200	65	dF	PK 12/4
BENZO (a) ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
BENZO (k) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
BENZO (b) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
BENZO (a) PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
FLUORENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM 1:52 11/24
2-METHYLNAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	15	5	MCG/L	CM 1:52 11/24
NAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM 1:52 11/24
FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
2,6-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
DIBENZO (a,h) ANTHRACENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:52 11/24
CHRYSENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
PHENANTHRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
BIS-(2-CHLOROETHOXY)-METHANE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:52 11/24
HEXACHLOROCYCLOPENTADIENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:52 11/24
1,2,4-TRICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
ISOPHORONE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
N-NITROSO-DIPROPYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
SW-846 8270 BASE/NEUTRALS		COMPLETED			CM 11/24
3-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
4-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
2-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
BENZO-(G,H,I)-PERYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24

(CONTINUES ON NEXT PAGE)

REMARKS:

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911108A

Attention: LAURIE WILLIAMS

Purchase Order Number:
Date Sampled: 11/07/91 Time: 00:00
Sampled By : BABLIN
Sample Id: SOIL PILE
Location : SCHENECTADY IND. DEV.

CTM Sample No: 911108A 01
Date Received: 11/07/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
DIBENZOFURAN (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM L:52 11/24
BENZYL ALCOHOL (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
4-CHLOROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
BENZOIC ACID (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
BIS(2-CHLOROETHYL)ETHER (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
ACENAPHTHYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
ACENAPHTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM L:52 11/24
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	6	MCG/L	CM L:52 11/24
INDENO-(1,2,3)-(C,D)-PYRENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:52 11/24
BIS-(2-CHLOROISOPROPYL)-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:52 11/24
DI-N-BUTYLPHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
3-3-DICHLOROBENZIDIENE	SW-846 METHOD 8270 BASE/NEUTRALS	ND	10	MCG/L	CM L:52 11/24
DI-N-OCTYL-PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
BIS-(2-ETHYL-HEXYL)-PHTHALATE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:52 11/24
BUTYL-BENZYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
4-BROMOPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:52 11/24
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
4-CHLOROPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:52 11/24
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	6	MCG/L	CM L:52 11/24
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
N-NITROSODIPHENYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
DIETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
DIMETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24
2-CHLORONAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:52 11/24

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN, ND = NOT DETECTED
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM
D = RESULT IS < PQL, BUT > MDL

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 9111088

Attention: LAURIE WILLIAMS

Purchase Order Number:
Date Sampled: 11/07/91 Time: 00:00
Sampled By : BABLIN
Sample Id: TANK 5 BORING
Location : SCHENECTADY IND. DEV.

CTM Sample No: 9111088 02
Date Received: 11/07/91
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
BENZENE (TCLP)	SW-846 METHOD 8020	3	1	MCG/L	GCI D:84 12/4
ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	EXTRACTED			ACM 11/12
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETE			D8:60 11/13
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	EXTRACTED			ACM 11/15
PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
PHENANTHRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
N-NITROSO-DIPROPYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:52 11/24
SW-846 8270 BASE/NEUTRALS		COMPLETED			CM 1:52 11/24
BENZYL ALCOHOL (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
BENZOIC ACID (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
2-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
4-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
3-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	8	MCG/L	CM 1:53 11/24
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
BIS(2-CHLOROETHYL)ETHER (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
4-CHLOROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
DI-N-OCTYL-PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
INDENO-(1,2,3)-(C,D)-PYRENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:53 11/24
BENZO-(G,H,I)-PERYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
3-3-DICHLOROBENZIDIENE	SW-846 METHOD 8270 BASE/NEUTRALS	ND	10	MCG/L	CM 1:53 11/24
BIS-(2-ETHYL-HEXYL)-PHTHALATE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:53 11/24
DIBENZOFURAN (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM 1:53 11/24
BUTYL-BENZYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
ETHYLBENZENE (TCLP)	SW-846 METHOD 8020	2	1	MCG/L	GCI D:84 12/4
TOTAL XYLENES (TCLP)	SW-846 METHOD 8020	6	1	MCG/L	GCI D:84 12/4
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	9	1	MCG/L	GCI D:84 12/4
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
CHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
TOLUENE (TCLP)	SW-846 METHOD 8020	1	1	MCG/L	GCI D:84 12/4
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24
4-BROMOPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:53 11/24
DI-N-BUTYLPHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:53 11/24

(CONTINUES ON NEXT PAGE)

REMARKS:

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911108A

Attention: LAURIE WILLIAMS

Purchase Order Number:
Date Sampled: 11/07/91 Time: 00:00
Sampled By : BABLIN
Sample Id: TANK 5 BORING
Location : SCHENECTADY IND. DEV.

CTM Sample No: 911108A 02
Date Received: 11/07/91
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
BIS-(2-CHLOROISOPROPYL)-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:53 11/24
DIMETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
DIETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
4-CHLOROPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:53 11/24
N-NITROSODIPHENYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	6	MCG/L	CM L:53 11/24
HEXACHLOROCYCLOPENTADIENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:53 11/24
2-CHLORONAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
1,2,4-TRICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
BIS-(2-CHLORDETHOXY)-METHANE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:53 11/24
ISOPHORONE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
2-METHYLNAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	49	5	MCG/L	CM L:53 11/24
BENZO (b) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
BENZO (k) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
CHRYSENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
DIBENZO (a,h) ANTHRACENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:53 11/24
2,6-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
NAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	16	5	MCG/L	CM L:53 11/24
FLUORENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM L:53 11/24
ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
BENZO (a) ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
BENZO (a) PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
ACENAPHTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM L:53 11/24
ACENAPHTHYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:53 11/24

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN, ND = NOT DETECTED
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM
D = RESULT IS < PQL, BUT > MDL

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911108A

Attention: LAURIE WILLIAMS

Purchase Order Number:
Date Sampled: 11/07/91 Time: 00:00
Sampled By : BABLIN
Sample Id: TANK 3 BORING
Location : SCHENECTADY IND. DEV.

CTM Sample No: 911108A 03
Date Received: 11/07/91
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	EXTRACTED			ACM 11/12
TCLP EXTRACTION	SW-946 METHOD 1311	COMPLETE			08:60 11/13
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	EXTRACTED			ACM 11/15
4-CHLOROPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
N-NITROSODIPHENYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	6	MCG/L	CM L:54 11/24
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
HEXACHLOROCYCLOPENTADIENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
2-CHLORONAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
DIMETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
DIETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BIS-(2-CHLOROETHOXY)-METHANE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
1,2,4-TRICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
ISOPHORONE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
N-NITROSO-DIPROPYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
SW-846 8270 BASE/NEUTRALS		COMPLETED			CM 11/24
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
ACENAPHTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
ACENAPHTHYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BENZO (a) ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BENZO (b) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BENZO (k) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
CHRYSENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
DIBENZO (a,h) ANTHRACENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
2,6-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BENZO (a) PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BIS(2-CHLOROETHYL)ETHER (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	8	MCG/L	CM L:54 11/24
3-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
FLUORENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
NAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
2-METHYLNAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24

(CONTINUES ON NEXT PAGE)

REMARKS:

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911108A

Attention: LAURIE WILLIAMS

Purchase Order Number:
Date Sampled: 11/07/91 Time: 00:00
Sampled By : BABLIN
Sample Id: TANK 3 BORING
Location : SCHENECTADY IND. DEV.

CTM Sample No: 911108A 03
Date Received: 11/07/91
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
PHENANTHRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
TOLUENE (TCLP)	SW-846 METHOD 8020	1	1	MCG/L	GCI D:84 12/4
CHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
TOTAL XYLENES (TCLP)	SW-846 METHOD 8020	D	1	MCG/L	GCI D:84 12/4
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
ETHYLBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:84 12/4
BENZENE (TCLP)	SW-846 METHOD 8020	2	1	MCG/L	GCI D:84 12/4
DIBENZOFURAN (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BENZYL ALCOHOL (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BENZOIC ACID (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
4-CHLOROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
2-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
4-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
3-3-DICHLOROBENZIDIENE	SW-846 METHOD 8270 BASE/NEUTRALS	ND	10	MCG/L	CM L:54 11/24
BIS-(2-ETHYL-HEXYL)-PHTHALATE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
DI-N-OCTYL-PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
INDENO-(1,2,3)-(C,D)-PYRENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
BENZO-(G,H,I)-PERYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
DI-N-BUTYLPHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BUTYL-BENZYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
4-BROMOPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
BIS-(2-CHLOROISOPROPYL)-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24

REMARKS:

AUTHORIZED FOR RELEASE: T. Mitchell

LEGEND: < = LESS THAN, > = GREATER THAN, ND = NOT DETECTED
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM
D = RESULT IS < PQL, BUT > MDL

environmental hydrogeology corp.
E 146, CLIFTON PARK, NEW YORK 12065 (518) 371-7621
ADISON STREET, RUTLAND, VERMONT 05701 (802) 775-3100

9111087

Name: SCHENECTADY IND. DEV.	EHC Contact:
ct No.:	Laboratory Contact:
ocation: SCHENECTADY N.Y.	Lab Identification:
	Date Report Required
ler: C. BABCIJ	

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	Sample Container	Preserv.	Filter: Pore, Type	Comp. or Grab	Analysis Required	Comment
OIL PILE	11/7/91		3	—	—	— 3	—	—	C	8020 8270(BN)	IGNITE (TCLP)
OK 5 BORING	"		3	—	—	— 2	—	—	C	8020 8270(BN)	(TCLP)
OK 3 BORING	"		3	—	—	2		—	C	"	

Name	Affiliation	Date	Time	
quished by: C. Babcock	EHC	11/7/91	5.02PM	Received by Laboratory:
ved by:				Samples Intact & Properly Preserved:
quished by:				
ved by:				

CTM ANALYTICAL LABS, LTD.
15 Century Hill Dr.
Latham, NY 12110
Phone: (518)786-7100 Fax: (518)786-7139

Laboratory Analysis Report
Prepared for: EHC
Project Number: 91.00851
Task Number: 911111C
06 DEC 1991

IMPORTANT - PLEASE NOTE

1. All results are calculated on a dry weight basis unless otherwise specified.
2. PQL = Practical Quantitation Limit.
3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
4. The ZHE blank had benzene and toluene at 2.0 and 1.4 mcg/l respectively.

CERTIFICATIONS:

NYS E.L.A.P. ID NO: 10358	MA: NY052	CT: PH-0551
NJ: 73581	PA: 68-402	NH: 199014-C

CTM ANALYTICAL LABS, LTD
Laboratory Analysis Report
06 DEC 1991

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 9:30 AM
Sampled By : BABLIN
Sample Id: TANK 1 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 01
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
CHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
TOTAL XYLENES (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
ETHYLBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
TOLUENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
BENZENE (TCLP)	SW-846 METHOD 8020	?	1	MCG/L	GCI D:73 11/22
ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	EXTRACTED			ACM 11/14
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETE			D8:60 11/17
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	EXTRACTED			ACM 11/15
FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
PHENANTHRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
CHRYSENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
2-METHYLNAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
NAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
FLUORENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
2,6-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
BENZO (k) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
DIBENZO (a,h) ANTHRACENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:55 11/24
HEXACHLOROCYCLOPENTADIENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:55 11/24
BIS-(2-CHLOROETHOXY)-METHANE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:55 11/24
SW-846 8270 BASE/NEUTRALS		COMPLETED			CM 11/24
2-CHLORONAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
DIETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
4-CHLOROPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:55 11/24
DIMETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
1,2,4-TRICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
ISOPHORONE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
N-NITROSO-DIPROPYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
4-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
2-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
4-CHLOROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24
BENZO (a) ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:55 11/24

(CONTINUES ON NEXT PAGE)

REMARKS:

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 9:30 AM
Sampled By : BABLIN
Sample Id: TANK 1 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 01
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
BIS(2-CHLOROETHYL)ETHER (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	9	MCG/L	CM L:55 11/24
ACENAPHTHYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
3-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
BENZO (b) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
BENZO (a) PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
ACENAPHTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
BENZOIC ACID (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:55 11/24
INDENO-(1,2,3)-(C,D)-PYRENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
DIBENZOFURAN (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BENZO-(G,H,I)-PERYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BIS-(2-ETHYL-HEXYL)-PHTHALATE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BIS-(2-CHLOROISOPROPYL)-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
DI-N-BUTYLPHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
3-3-DICHLOROBENZIDIENE	SW-846 METHOD 8270 BASE/NEUTRALS	ND	10	MCG/L	CM L:54 11/24
DI-N-OCTYL-PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
4-BROMOPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:54 11/24
BENZYL ALCOHOL (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
BUTYL-BENZYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	6	MCG/L	CM L:54 11/24
N-NITROSODIPHENYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:54 11/24

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN, ND = NOT DETECTED
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM
D = RESULT IS < PQL, BUT > MDL

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 11:30 AM
Sampled By : BABLIN
Sample Id: TANK 4 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 02
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
CHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
ETHYLBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
TOLUENE (TCLP)	SW-846 METHOD 8020	4	1	MCG/L	GCI D:73 11/22
TOTAL XYLENES (TCLP)	SW-846 METHOD 8020	6	1	MCG/L	GCI D:73 11/22
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
BENZENE (TCLP)	SW-846 METHOD 8020	2	1	MCG/L	GCI D:73 11/22
ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	EXTRACTED			ACM 11/14
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			DS:78 11/20
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
NAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM 1:79 11/28
SW-846 8270 BASE/NEUTRALS		COMPLETED			CM 1:79 11/28
HEXACHLOROCYCLOPENTADIENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:79 11/28
BIS-(2-CHLOROETHOXY)-METHANE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM 1:79 11/28
ISOPHORONE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
1,2,4-TRICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
N-NITROSO-DIPROPYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	EXTRACTED			ACM 11/22
ACENAPHTHYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
ACENAPHTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
2,6-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
FLUORENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
PHENANTHRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
BENZO (a) ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
CHRYSENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
2-CHLORONAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
BUTYL-BENZYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28
DIETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM 1:79 11/28

(CONTINUES ON NEXT PAGE)

REMARKS:

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 11:30 AM
Sampled By : BABLIN
Sample Id: TANK 4 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 02
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
DI-N-BUTYLPHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DI-N-OCTYL-PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
3-3-DICHLOROBENZIDIENE	SW-846 METHOD 8270 BASE/NEUTRALS	ND	10	MCG/L	CM L:79 11/28
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS-(2-CHLOROISOPROPYL)-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
4-BROMOPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
BIS-(2-ETHYL-HEXYL)-PHTHALATE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
N-NITROSODIPHENYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-CHLOROPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
DIMETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (b) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (k) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (a) PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
INDENO-(1,2,3)-(C,D)-PYRENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
DIBENZO (a,h) ANTHRACENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
BENZO-(G,H,I)-PERYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIBENZOFURAN (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZYL ALCOHOL (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZOIC ACID (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-CHLOROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2-METHYLNAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM L:79 11/28
2-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
3-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS(2-CHLOROETHYL)ETHER (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN, ND = NOT DETECTED
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM
D = RESULT IS < PQL, BUT > MDL

SHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 2:30 PM
Sampled By : BABLIN
Sample Id: TANK 6 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 03
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
TOTAL XYLENES (TCLP)	SW-846 METHOD 8020	2	1	MCG/L	GCI D:73 11/22
TOLUENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
BENZENE (TCLP)	SW-846 METHOD 8020	2	1	MCG/L	GCI D:73 11/22
ETHYLBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
CHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	EXTRACTED			ACM 11/14
SW-846 8270 BASE/NEUTRALS		COMPLETED			CM L:79 11/28
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS-(2-CHLOROISOPROPYL)-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			D8:78 11/20
N-NITROSO-DIPROPYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5		CM L:79 11/28
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ISOPHORONE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5		CM L:79 11/28
BIS-(2-CHLOROETHOXY)-METHANE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5		CM L:79 11/28
1,2,4-TRICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5		CM L:79 11/28
NAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
HEXACHLOROCYCLOPENTADIENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5		CM L:79 11/28
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	EXTRACTED			ACM 11/22
2-CHLORONAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIMETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ACENAPHTHYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ACENAPHTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2,6-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-CHLOROPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
FLUORENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
N-NITROSODIPHENYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-BROMOPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28

(CONTINUES ON NEXT PAGE)

REMARKS:

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 2:30 PM
Sampled By : BABLIN
Sample Id: TANK 6 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 03
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
PHENANTHRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DI-N-BUTYLPHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BUTYL-BENZYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (a) ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
3-3-DICHLOROBENZIDIENE	SW-846 METHOD 8270 BASE/NEUTRALS	ND	10	MCG/L	CM L:79 11/28
CHRYSENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS-(2-ETHYL-HEXYL)-PHTHALATE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	D	5	MCG/L	CM L:79 11/28
DI-N-OCTYL-PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (b) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (k) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (a) PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
INDENO-(1,2,3)-(C,D)-PYRENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
DIBENZO (a,h) ANTHRACENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
BENZO-(G,H,I)-PERYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIBENZOFURAN (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZYL ALCOHOL (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZOIC ACID (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-CHLOROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2-METHYLNAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM L:79 11/28
2-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
3-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS(2-CHLOROETHYL)ETHER (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN, ND = NOT DETECTED
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM
D = RESULT IS < PQL, BUT > MDL

SHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 4:00 PM
Sampled By : BABLIN
Sample Id: TANK 7 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 04
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
BENZENE (TCLP)	SW-846 METHOD 8020	3	1	MCG/L	GCI D:73 11/22
ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	EXTRACTED			ACM 11/14
SW-846 8270 BASE/NEUTRALS		COMPLETED			CM L:79 11/28
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS-(2-CHLOROISOPROPYL)-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			D8:78 11/20
N-NITROSO-DIPROPYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ISOPHORONE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS-(2-CHLOROETHOXY)-METHANE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
1,2,4-TRICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
NAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM L:79 11/28
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	6	MCG/L	CM L:79 11/28
HEXACHLOROCYCLOPENTADIENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	EXTRACTED			ACM 11/22
2-CHLORONAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIMETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ACENAPHTHYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ACENAPHTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM L:79 11/28
2,6-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-CHLOROPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
FLUORENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D	5	MCG/L	CM L:79 11/28
N-NITROSODIPHENYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-BROMOPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
TOTAL XYLENES (TCLP)	SW-846 METHOD 8020	60	1	MCG/L	GCI D:73 11/22
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
CHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
ETHYLBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
TOLUENE (TCLP)	SW-846 METHOD 8020	14	1	MCG/L	GCI D:73 11/22

(CONTINUES ON NEXT PAGE)

REMARKS:

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 4:00 PM
Sampled By : BABLIN
Sample Id: TANK 7 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 04
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	6	MCG/L	CM L:79 11/28
PHENANTHRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DI-N-BUTYLPHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BUTYL-BENZYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (a) ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
3-3-DICHLOROBENZIDIENE	SW-846 METHOD 8270 BASE/NEUTRALS	ND	10	MCG/L	CM L:79 11/28
CHRYSENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS-(2-ETHYL-HEXYL)-PHTHALATE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
DI-N-OCTYL-PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (b) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (k) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (a) PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
INDENO-(1,2,3)-(C,D)-PYRENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
DIBENZO (a,h) ANTHRACENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
BENZO-(G,H,I)-PERYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIBENZOFURAN (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D<	5	MCG/L	CM L:79 11/28
BENZYL ALCOHOL (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZOIC ACID (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-CHLOROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2-METHYLNAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	D<	5	MCG/L	CM L:79 11/28
2-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
3-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS(2-CHLOROETHYL)ETHER (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28

REMARKS:

LEGEND: < = LESS THAN, > = GREATER THAN, ND = NOT DETECTED
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM
D = RESULT IS < PQL, BUT > MDL

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 11:45 AM
Sampled By : BABLIN
Sample Id: TANK 2 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 05
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
ZERO HEADSPACE EXTRACTION	SW-846 METHOD 1311	EXTRACTED			ACM 11/19
SW-846 8270 BASE/NEUTRALS		COMPLETED			CM L:79 11/28
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS-(2-CHLOROISOPROPYL)-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
TCLP EXTRACTION	SW-846 METHOD 1311	COMPLETED			DB:78 11/20
N-NITROSO-DIPROPYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
HEXACHLOROETHANE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
NITROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ISOPHORONE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS-(2-CHLOROETHOXY)-METHANE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
1,2,4-TRICHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
NAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
HEXACHLOROBUTADIENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
HEXACHLOROCYCLOPENTADIENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
EXTRACTION FOR TCLP B/N	SW-846 METHOD 8270	EXTRACTED			ACM 11/22
2-CHLORONAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIMETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ACENAPHTHYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ACENAPHTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2,6-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2,4-DINITROTOLUENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIETHYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-CHLOROPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
FLUORENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
N-NITROSODIPHENYLAMINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-BROMOPHENYL-PHENYL-ETHER	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
TOTAL XYLENES (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,4-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,2-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
1,3-DICHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
TOLUENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
BENZENE (TCLP)	SW-846 METHOD 8020	3	1	MCG/L	GCI D:73 11/22
CHLOROBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22
ETHYLBENZENE (TCLP)	SW-846 METHOD 8020	ND	1	MCG/L	GCI D:73 11/22

(CONTINUES ON NEXT PAGE)

REMARKS:

EHC
900 ROUTE 146
CLIFTON PARK NY 12065

CTM PROJECT #: 91.00851

CTM Task #: 911111C

Attention: MR. ERIC HANSON

Purchase Order Number:
Date Sampled: 11/08/91 Time: 11:45 AM
Sampled By : BABLIN
Sample Id: TANK 2 BORING
Location : SCHENECTADY

CTM Sample No: 911111C 05
Date Received: 11/08/91
Collection Method: COMPOSITE
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
HEXACHLOROBENZENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
PHENANTHRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DI-N-BUTYLPHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BUTYL-BENZYL PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (a) ANTHRACENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
3-3-DICHLOROBENZIDIENE	SW-846 METHOD 8270 BASE/NEUTRALS	ND	10	MCG/L	CM L:79 11/28
CHRYSENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS-(2-ETHYL-HEXYL)-PHTHALATE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
DI-N-OCTYL-PHTHALATE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (b) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (k) FLUORANTHENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZO (a) PYRENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
INDENO-(1,2,3)-(C,D)-PYRENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
DIBENZO (a,h) ANTHRACENE	SW-846 METHOD 8270 BASE/NEUTRALS (TCLP)	ND	5	MCG/L	CM L:79 11/28
BENZO-(G,H,I)-PERYLENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
DIBENZOFURAN (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZYL ALCOHOL (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BENZOIC ACID (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-CHLOROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2-METHYLNAPHTHALENE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
2-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
4-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
3-NITROANILINE (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28
BIS(2-CHLOROETHYL)ETHER (TCLP)	SW-846 METHOD 8270 BASE/NEUTRALS	ND	5	MCG/L	CM L:79 11/28

REMARKS:

AUTHORIZED FOR RELEASE: T. Tidwell

LEGEND: < = LESS THAN, > = GREATER THAN, ND = NOT DETECTED
MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM
D = RESULT IS < PQL, BUT > MDL

EHC environmental hydrogeology corp.
ROUTE 146, CLIFTON PARK, NEW YORK 12065 (518) 371-7621
28 MADISON STREET, RUTLAND, VERMONT 05701 (802) 775-3100

9111188

Client Name:
Project No.:
Site Location:
Sampler:

EHC Contact: ERIC HANSON
Laboratory Contact: H. EVANS
Lab Identification: CTM
Date Report Required

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	Sample Container	Preserv.	Filter: Pore, Type	Comp. or Grab	Analysis Required	Comment
									C	TCLP 8020 TCLP 8270 (BN)	
									C	"	
									C	"	
									C	"	
									C	"	

	Name	Affiliation	Date	Time
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Received by Laboratory:
Samples Intact & Properly Preserved:

APPENDIX F

Analytical Unidentified Materials "A" and "B" Quality Data

HUDSON ENVIRONMENTAL SERVICES, INC.
248 Queensbury Ave., P.O. Box 4601
Queensbury, New York 12804
518/792-3863

CLIENT: Environmental Hydrogeology

SAMPLE DESCRIPTION: Material "A"

SAMPLE LOCATION: Schenectady, NY

HES #: 911111D01

DATE SAMPLED: 11/08/91

DATE RECEIVED: 11/11/91

MATRIX: Soil

SAMPLE TYPE: Grab

SAMPLER: Client

TOXICITY CHARACTERISTICS LEACHING PROCEDURE

(TCLP)

SW-846 METHOD 1311

COMPOUND	METHOD	RESULT*	UNITS	TEST DATE	TCLP REGULATORY LEVELS (MG/L)
Arsenic	SW846-7060	1.0	mg/l	11/21/91	5.0
Barium	SW846-7080	<0.5	mg/l	11/21/91	100.0
Benzene	SW846-8020	<0.0005	mg/l	11/18/91	0.5
Cadmium	SW846-7130	0.05	mg/l	11/21/91	1.0
Carbon Tetrachloride	SW846-8010	<0.0005	mg/l	11/18/91	0.5
Chlordane	SW846-8080	<0.0005	mg/l	12/02/91	0.03
Chlorobenzene	SW846-8020	<0.0005	mg/l	11/18/91	100.0
Chloroform	SW846-8010	<0.0005	mg/l	11/18/91	6.0
Chromium	SW846-7190	1.2	mg/l	11/21/91	5.0
o-Cresol	SW846-8040	<0.01	mg/l	11/22/91	200.0
m-Cresol	SW846-8040	<0.01	mg/l	11/22/91	200.0
p-Cresol	SW846-8040	<0.01	mg/l	11/22/91	200.0
2,4-D	SW846-8150	<0.002	mg/l	11/25/91	10.0
1,4-Dichlorobenzene	SW846-8020	<0.0005	mg/l	11/18/91	7.5
1,2-Dichloroethane	SW846-8010	<0.0005	mg/l	11/18/91	0.5
1,1-Dichloroethylene	SW846-8010	<0.0005	mg/l	11/18/91	0.7
2,4-Dinitrotoluene	SW846-8090	<0.01	mg/l	11/22/91	0.13
Endrin	SW846-8080	<0.0005	mg/l	12/02/91	0.02
Heptachlor	SW846-8080	<0.0005	mg/l	12/02/91	0.008

HUDSON ENVIRONMENTAL SERVICES, INC.
248 Queensbury Ave., P.O. Box 4601
Queensbury, New York 12804
518/792-3863

CLIENT: Environmental Hydrogeology
HES #: 911111D01

COMPOUND	METHOD	RESULT*	UNITS	TEST DATE	TCLP REGULATORY LEVELS (MG/L)
Heptachlor epoxide	SW846-8080	<0.0005	mg/l	12/02/91	0.008
Hexachlorobenzene	SW846-8120	<0.01	mg/l	11/22/91	0.13
Hexachlorobutadiene	SW846-8120	<0.01	mg/l	11/22/91	0.5
Hexachloroethane	SW846-8120	<0.01	mg/l	11/22/91	3.0
Lead	SW846-7420	<0.1	mg/l	11/21/91	5.0
Lindane	SW846-8080	<0.0005	mg/l	12/02/91	0.4
Mercury	SW846-7470	<0.001	mg/l	11/18/91	0.2
Methoxychlor	SW846-8080	<0.0005	mg/l	12/02/91	10.0
Methyl Ethyl Ketone	SW846-8015	<0.0005	mg/l	11/18/91	200.0
Nitrobenzene	SW846-8090	<0.01	mg/l	11/22/91	2.0
Pentachlorophenol	SW846-8040	<0.01	mg/l	11/22/91	100.0
Pyridine	SW846-8090	0.2	mg/l	11/22/91	5.0
Selenium	SW846-7740	<0.002	mg/l	11/21/91	1.0
Silver	SW846-7760	0.05	mg/l	11/21/91	5.0
Tetrachloroethylene	SW846-8010	<0.0005	mg/l	11/18/91	0.7
Toxaphene	SW846-8080	<0.002	mg/l	12/02/91	0.5
Trichloroethylene	SW846-8010	<0.0005	mg/l	11/18/91	0.5
2,4,5-Trichlorophenol	SW846-8040	<0.01	mg/l	11/22/91	400.0
2,4,6-Trichlorophenol	SW846-8040	<0.01	mg/l	11/22/91	2.0
2,4,5-TP	SW846-8150	<0.002	mg/l	11/25/91	1.0
Vinyl Chloride	SW846-8010	<0.0005	mg/l	11/18/91	0.2

* Results are not matrix spike corrected

HUDSON ENVIRONMENTAL SERVICES, INC.
248 Queensbury Ave., P.O. Box 4601
Queensbury, New York 12804
518/792-3863

CLIENT: Environmental Hydrogeology

SAMPLE DESCRIPTION: Material "B"

SAMPLE LOCATION: Schenectady, NY

HES #: 911111D02

DATE SAMPLED: 11/08/91

DATE RECEIVED: 11/11/91

MATRIX: Soil

SAMPLE TYPE: Grab

SAMPLER: Client

TOXICITY CHARACTERISTICS LEACHING PROCEDURE

(TCLP)

SW-846 METHOD 1311

COMPOUND	METHOD	RESULT*	UNITS	TEST DATE	TCLP REGULATORY LEVELS (MG/L)
Arsenic	SW846-7060	0.003	mg/l	11/21/91	5.0
Barium	SW846-7080	1.2	mg/l	11/21/91	100.0
Benzene	SW846-8020	<0.0005	mg/l	11/21/91	0.5
Cadmium	SW846-7130	0.06	mg/l	11/21/91	1.0
Carbon Tetrachloride	SW846-8010	<0.0005	mg/l	11/21/91	0.5
Chlordane	SW846-8080	<0.0005	mg/l	12/02/91	0.03
Chlorobenzene	SW846-8020	<0.0005	mg/l	11/21/91	100.0
Chloroform	SW846-8010	<0.0005	mg/l	11/21/91	6.0
Chromium	SW846-7190	0.07	mg/l	11/21/91	5.0
o-Cresol	SW846-8040	<0.01	mg/l	11/22/91	200.0
m-Cresol	SW846-8040	<0.01	mg/l	11/22/91	200.0
p-Cresol	SW846-8040	<0.01	mg/l	11/22/91	200.0
2,4-D	SW846-8150	<0.002	mg/l	11/25/91	10.0
1,4-Dichlorobenzene	SW846-8020	<0.0005	mg/l	11/21/91	7.5
1,2-Dichloroethane	SW846-8010	<0.0005	mg/l	11/21/91	0.5
1,1-Dichloroethylene	SW846-8010	<0.0005	mg/l	11/21/91	0.7
2,4-Dinitrotoluene	SW846-8090	<0.01	mg/l	11/22/91	0.13
Endrin	SW846-8080	<0.0005	mg/l	12/02/91	0.02
Heptachlor	SW846-8080	<0.0005	mg/l	12/02/91	0.008

HUDSON ENVIRONMENTAL SERVICES, INC.
248 Queensbury Ave., P.O. Box 4601
Queensbury, New York 12804
518/792-3863

CLIENT: Environmental Hydrogeology
HES #: 911111D02

COMPOUND	METHOD	RESULT*	UNITS	TEST DATE	TCLP REGULATORY LEVELS (MG/L)
Heptachlor epoxide	SW846-8080	<0.0005	mg/l	12/02/91	0.008
Hexachlorobenzene	SW846-8120	<0.01	mg/l	11/22/91	0.13
Hexachlorobutadiene	SW846-8120	<0.01	mg/l	11/22/91	0.5
Hexachloroethane	SW846-8120	0.3	mg/l	11/22/91	3.0
Lead	SW846-7420	1.2	mg/l	11/21/91	5.0
Lindane	SW846-8080	<0.0005	mg/l	12/02/91	0.4
Mercury	SW846-7470	<0.001	mg/l	11/18/91	0.2
Methoxychlor	SW846-8080	<0.0005	mg/l	12/02/91	10.0
Methyl Ethyl Ketone	SW846-8015	<0.0005	mg/l	11/21/91	200.0
Nitrobenzene	SW846-8090	0.3	mg/l	11/22/91	2.0
Pentachlorophenol	SW846-8040	<0.01	mg/l	11/22/91	100.0
Pyridine	SW846-8090	0.05	mg/l	11/22/91	5.0
Selenium	SW846-7740	<0.002	mg/l	11/21/91	1.0
Silver	SW846-7760	0.04	mg/l	11/21/91	5.0
Tetrachloroethylene	SW846-8010	<0.0005	mg/l	11/21/91	0.7
Toxaphene	SW846-8080	<0.002	mg/l	12/02/91	0.5
Trichloroethylene	SW846-8010	<0.0005	mg/l	11/21/91	0.5
2,4,5-Trichlorophenol	SW846-8040	<0.01	mg/l	11/22/91	400.0
2,4,6-Trichlorophenol	SW846-8040	<0.01	mg/l	11/22/91	2.0
2,4,5-TP	SW846-8150	<0.002	mg/l	11/25/91	1.0
Vinyl Chloride	SW846-8010	<0.0005	mg/l	11/21/91	0.2

Results are not matrix spike corrected

HUDSON ENVIRONMENTAL SERVICES, INC.
248 Queensbury Ave., P.O. Box 4601
Queensbury, New York 12804
518/792-3863

CLIENT: Environmental Hydrogeology
HES #: 911111D

MATRIX SPIKE RECOVERY

METALS

COMPOUND	METHOD	RESULT	UNITS	TEST DATE
Arsenic	PSR	86	%	11/21/91
Barium	PSR	106	%	11/21/91
Cadmium	PSR	97	%	11/21/91
Chromium	PSR	86	%	11/21/91
Lead	PSR	87	%	11/21/91
Mercury	PSR	85	%	11/18/91
Selenium	PSR	88	%	11/21/91
Silver	PSR	105	%	11/21/91

SEMI-VOLATILES

COMPOUND	METHOD	RESULT	UNITS	TEST DATE
p-Cresol	PSR	102	%	11/22/91
Pentachlorophenol	PSR	116	%	11/22/91
2,4,6-Trichlorophenol	PSR	145	%	11/22/91
Pyridine	PSR	132	%	11/22/91
Endrin	PSR	149	%	12/02/91
Heptachlor	PSR	91	%	12/02/91
Lindane	PSR	138	%	12/02/91
2,4-Dinitrotoluene	PSR	130	%	11/22/91
Hexachlorobenzene	PSR	106	%	11/22/91
Hexachloroethane	PSR	124	%	11/22/91
2,4-D	PSR	136	%	11/25/91
Silvex	PSR	73	%	11/25/91
Heptachlor Epoxide	PSR	103	%	12/02/91

VOLATILES

COMPOUND	METHOD	RESULT	UNITS	TEST DATE
1,1-Dichloroethylene	PSR	92	%	11/18/91
Trichloroethylene	PSR	92	%	11/18/91
Benzene	PSR	112	%	11/18/91
Chlorobenzene	PSR	88	%	11/18/91
Methyl Ethyl Ketone	PSR	100	%	11/18/91
Chloroform	PSR	100	%	11/18/91
Carbon Tetrachloride	PSR	88	%	11/18/91

HUDSON ENVIRONMENTAL SERVICES, INC.
248 Queensbury Ave., P.O. Box 4601
Queensbury, New York 12804
518/792-3863

CLIENT: Environmental Hydrogeology

HES #: 911111D

MATRIX SPIKE DUPLICATE

METALS

COMPOUND	METHOD	RESULT	UNITS	TEST DATE
Arsenic	RPD	32	%	11/21/91
Barium	RPD	3.3	%	11/21/91
Cadmium	RPD	<1.0	%	11/21/91
Chromium	RPD	<1.0	%	11/21/91
Lead	RPD	44	%	11/21/91
Mercury	RPD	<1.0	%	11/18/91
Selenium	RPD	<1.0	%	11/21/91
Silver	RPD	<1.0	%	11/21/91

SEMI-VOLATILES

COMPOUND	METHOD	RESULT	UNITS	TEST DATE
p-Cresol	RPD	3.8	%	11/22/91
Pentachlorophenol	RPD	4.2	%	11/22/91
2,4,6-Trichlorophenol	RPD	7.2	%	11/22/91
Pyridine	RPD	20	%	11/22/91
Endrin	RPD	36	%	12/02/91
Heptachlor	RPD	25	%	12/02/91
Lindane	RPD	27	%	12/02/91
2,4-Dinitrotoluene	RPD	0.7	%	11/22/91
Hexachlorobenzene	RPD	5.5	%	11/22/91
Hexachloroethane	RPD	4.0	%	11/22/91
2,4-D	RPD	25	%	11/25/91
Silvex	RPD	12	%	11/25/91
Heptachlor Epoxide	RPD	35	%	12/02/91

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MATRIX SPIKE DUPLICATE

VOLATILES

COMPOUND	METHOD	RESULT	UNITS	TEST DATE
1,1-Dichloroethylene	RPD	<1.0	%	11/18/91
Trichloroethylene	RPD	9.0	%	11/18/91
Benzene	RPD	19	%	11/18/91
Chlorobenzene	RPD	4.4	%	11/18/91
Methyl Ethyl Ketone	RPD	8.3	%	11/18/91
Chloroform	RPD	<1.0	%	11/18/91
Carbon Tetrachloride	RPD	<1.0	%	11/18/91

APPROVAL BY: [signature]

DATE: 12/5/91

All samples were analyzed within EPA prescribed holding times.

N.Y.S.D.O.H. Lab ID# 11140

EHC environmental hydrogeology corp.

ROUTE 146, CLIFTON PARK, NEW YORK 12065 (518) 371-7621
28 MADISON STREET, RUTLAND, VERMONT 05701 (802) 775-3100

Rcvd 11/11/91 12:45pm JPG

Client Name: SCHENECTADY INDUSTRIAL DEV. AGENCY
Project No.:
Site Location: SOUSA PROPERTY, ANTHONY ST. SCHEN.
Sampler: CHRISTOPHER BABLIN

EHC Contact: LAURIE WILLIAMS
Laboratory Contact: JIM GITTO
Lab Identification: HUDSON ENV.
Date Report Required

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	Sample Container	Preserv.	Filter: Pore, Type	Comp. or Grab	Analysis Required	Comment
MATERIAL A	11/8/91	4:00	13	28	—	—	✓	—	C	42	911111D01
MATERIAL B	"	4:15	13	28	—	—	—	—	C	42	911111D02

	Name	Affiliation	Date	Time
Relinquished by:	C. Bablin	EHC	11/11/91	
Received by:				
Relinquished by:				
Received by:				

Received by Laboratory:
Samples Intact & Properly Preserved: