

P.O. BOX 2167 • BALLSTON SPA, NEW YORK 12020 518/899-9684

February 19, 1998

Mr. Chuck Cronin c/o Axiom Capital Corp. 90 State Street - Suit 1411 Albany, New York 12207

Dear Mr. Cronin:

RE: PHASE 2 SITE ASSESSMENT REPORT: STAR PLAZA 2050 WESTERN AVE. GUILDERLAND, NEW YORK SITE

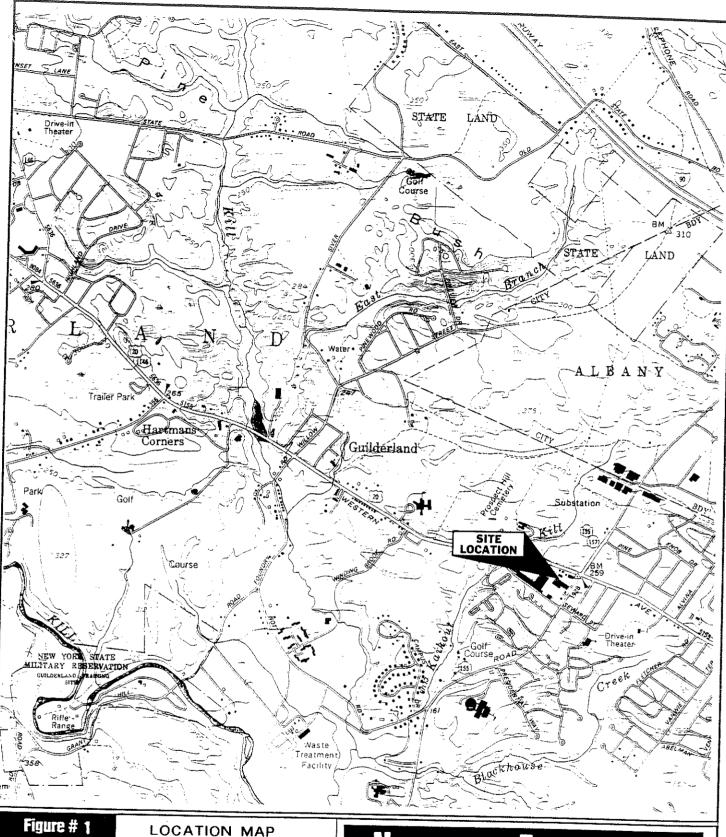
The following information has been assimilated to outline the results of a limited near surface subsurface evaluation / Phase 2 Site Assessment (i.e., P2SA) performed at the above noted site (see Figure 1). This work was performed to evaluate if petrochemical and / or halogenated organic soil and ground water contamination has resulted from historical petroleum storage and dry cleaning practices performed at the site. The methods used to accomplish this work were based on NETC's December 11, 1997 work plan. The objectives of this site assessment report is to present the results of the soil and ground water sampling work performed in two specific areas of the site referred to herein as UST AREA #1 and LEACH FIELD AREA #2.

In order to address the issues germane to this site assessment, site specific improvements / facility information, soil, ground water and local hydrogeologic information were reviewed and / or considered. The background review work has included information developed during a 1997 Phase 1 Environmental Site Assessment performed by IVI Environmental Inc. (IVI) as well as IVI's propose P2SA work plan dated November 11, 1997. A more complete accounting of the activities completed during this P2SA are included for consideration.

UST AREA #1 METHODOLOGIES

Ground Penetrating Radar (GPR) Survey

A GPR survey was conducted on January 5. 1998 on a portion of the Star Plaza (STAR) site that had been reportedly used as a retail gasoline station prior to \pm 1970. The purpose of the GPR survey was to evaluate if (3) underground



Schematic Diagram

Project Name:

P2SA STAR PLAZA 2050 WESTERN AVE. GUILDERLAND, NY SITE

Project Number:

98.0100134

Scale:

1.0 INCH = 2000 FEET

Northeastern Environmental

TECHNOLOGIES GORPORATION

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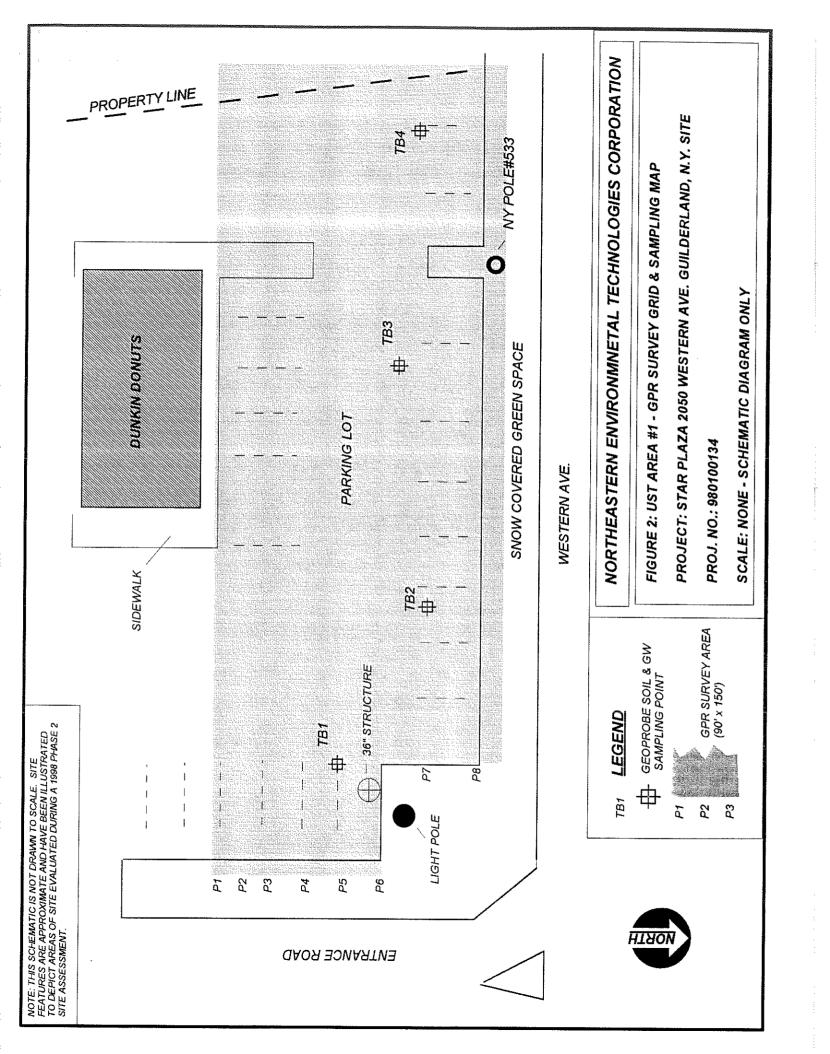
storage tanks (UST) exited in area presumed to be used as a gasoline station. The GPR survey was performed along the sites northwestern parking lot directly south of Western Ave. and north of an existing Dunkin Donuts restaurant. This portion of the site was selected based on map information (obtained from the Town of Guilderlands Water Department) that illustrated the location of "Gas Pumps" that operated at the site.

The GPR survey was performed by Sub-Surface Informational Surveys, Inc. using a Subsurface Interface Radar (SIR) System - 3 under contract with NETC. The GPR survey was performed on a \pm 4.0 foot rectangular grid that was established over an area \pm 90.0' (north / south) X 150.0' (east / west). The grid generally terminated along the frontage of the Dunkin Donuts restaurant (southern limit), an entrance road to the STAR site (eastern limit), and the STAR sites northern (northern limit) and western property lines (western limit). Areas of the site found to contain subsurface anomalies were subsequently re-evaluated by performing GPR survey lines perpendicular to the original GPR survey line. A more complete accounting of the methods and limitations of the GPR survey are included in Appendix A.

Soil Boring Survey

On January 20, 1998 a total of (4) direct push soil borings (i.e., TB1, 2, 3 & 4) and associated macro core soil samples were performed at the site (see Figure 2). Each soil boring was installed to depths of \pm 16 feet. Each soil boring was completed in a manner to provide a geological log of the subsurface conditions and provide necessary data on the sites ground water and soil quality. The soil borings were installed at a spacing of \pm 40 ft. along the central and northern portion of the GPR survey area.

Each soil boring was installed via direct push methods utilizing NETC's truck mounted Geoprobe 540U sampling system following standard methods / techniques. NETC performed all aspects of the direct push survey and was responsible for detailed logging of all samples. The soil borings were located in the areas presumed to be historically used for UST and related pump island distribution equipment and / or adjacent to GPR anomalies. Following the soil boring services each soil boring was later filled with bentonite hole plug. A copy of the direct push soil borings are included in Appendix B.



Soil Sampling

Continuous macro core soil borings were completed at each of the soil boring locations following standard sampling methods. The objective of the borings to develop a general understanding of the sites geology and assess the potential presence of petrochemically affected unconsolidated deposits. The sampling depths selected generally represent the depth at which a shallow ground water table was encountered (i.e., \pm 10 - 12 feet).

All soil samples were logged on site as they were extracted, labeled and retained for additional field and laboratory volatile organic compound (VOC) analysis. New unused clear polyethylene terephthlate macro core sample liners (PETG) were used for all soil sampling work. All soil samples collected were examined and described using the Burmister and Unified Soil Classification Systems.

Samples were retained in the individual liners equipped with vinyl end caps. In compliance with ASTM methods, the samples were labeled with the following information: boring number, sample number and depth of sample penetration record.

Volatile Organic Field Analysis

As noted, the subsurface investigation has included field head space VOC analysis on soil samples collected from the macro core soil borings. A properly calibrated Hnu Model HW-101 photoionization detector (PID) was used for the testing work. Photoionization uses ultraviolet light to ionize many trace compounds (especially organic) and the Model HW-101 employs this principal to measure the concentration of trace gasses. In the HW-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 collector electrode where current is measured. Measured current is proportional to the concentration of organic's sampled by the instrument's probe. Useful range of the instrument is from 0.1 to 2,000 ppm.

Direct VOC headspace measurements were obtained from each soil sample collected. VOC measurements were recorded on a \pm 1 ft. interval. The results of the testing work were used to determine the vertical extent of VOC / petrochemical

contamination and short list select soil samples for additional laboratory analysis via Total Petroleum Hydrocarbons Method SW846 - 8015 (TPH).

Ground Water Sampling and Analysis

Ground water samples were collected at each location at a depth of \pm 10 - 12 feet below grade. Ground water samples were collected using temporary 1.0 inch monitoring wells installed in the soil borings. Each sample was collected through new 3/8 inch poly tubing using an on board vacuum volume ground water recovery system. Ground water entrained during the sampling process was collected in a sampling trap. All samples were then transferred to (2) 40 ml vials for VOC and a (1) liter bottle for semi volatile (SVOC) analysis.

All laboratory sample containers and preservatives were provided by Hudson Environmental Laboratories (HES). The ground water samples targeted for VOC and SVOC analysis were analyzed as total matrix. All samples were kept chilled in the field (4°C) by commercially available (pre-frozen) "ice-packs" and appropriate holding times were followed. The sample were collected in such a manner as to minimize agitation and other disturbing conditions which may cause physio-chemical changes and bring about losses due to volatilization, adsorption, redox changes or degradation.

All ground water samples collected from the site have been submitted for chemical analysis for the parameters inclusive of the NYS Department of Environmental Conservation's (DEC) STARS Method 8021 & 8270. Observations have been recorded regarding weather and surrounding air/water/soil conditions, non-aqueous components of water (e.g. "floaters," surface sheens) and other pertinent field conditions. Chains of custody documentation were maintained throughout the shipment of samples to the laboratory.

<u>UST AREAS #1 GEOTECHNICAL FINDINGS</u>

Overall the results of the GPR survey obtained an apparent depth of penetration of \pm 6.0 - 10.0 feet below ground level. With the exception of one \pm 36 inch structure located along the northeastern portion of the GPR survey no unusual metallic anomalies (indicative of UST) were identified within the area investigated.

The results obtained from the direct push soil boring work identify the unconsolidated deposits as, in descending order, a cultural fill layer consisting of coarse sand and gravel, a eolian sand and a glaciolacustrine sand interbedded with silt & clay layers. Ground water was encountered in each of the soil borings at a depth of \pm 10.0 - 12.0' below grade.

Visual and olfactory indications of petroleum contamination were apparent in soil samples collected at location TB2 at a depth of 8.0 12.0 feet below ground level. VOC levels established at TB2 ranged from 2.0 - 9.0 ppm. No other definitive visual or olfactory indications of petroleum contamination were apparent in the soil or ground water samples collected from location TB1, 2, 3 or 4. This information was discussed with the proprietors of the STAR site.

The balance of the VOC field testing work has identified the majority of the remaining soil samples as free of significant petrochemical / VOC contamination above background ranges established during this field investigation (i.e., 0.5 - 1.0 ppm). Composite soil samples were collected from the soil borings as follows:

<u>Soil Boring No.</u>	Sample Depth (ft./blg)	PID Results(PPM)
TB1	10.0 - 11.5'	0.4 - 0.7
TB2	10.0 - 12.0'	3.0 - 9.0
TB3	13.0 - 14.0'	1.0 - 1.1
TB4	10.0 - 12.0'	0.4 - 0.8

Due to the absence of elevated VOC levels, soil sampling depths selected for TB1 & 4 were based on the depth at which ground water saturation was obtained. The results of the TPH laboratory tests have identified levels of total petroleum hydrocarbons as < 5.0 ppm for each of the sampling locations.

To further qualify the results of the field VOC testing services and to consider the sites susceptibility to ground water contamination, water samples collected from each soil boring location were also subjected to laboratory analysis via DEC's STARS Method 8021 & 8270 respectively.

The results of the ground water tests at soil borings TB1, 2, 3 & 4 have also confirmed all indicator parameters as below the minimum detection limits established by HES. A copy of the HES laboratory report has been included in Appendix C.

LEACH FIELD AREA #2 METHODOLOGIES

HSA Drilling / Well Installation

A series of (3) test borings were installed at the site on January 28 & 29, 1998 along the southwestern property line (see Figure 3). The test borings were installed within the foot print of a former septic system leach field historically used by the STAR site reportedly between \pm 1970 - 1974. As built engineering drawings of the STAR site were used to locate the foot print of the leach field and position the test borings. Each test boring was completed in a manner to provide a geological log of the subsurface conditions and provide necessary data on ground water levels, soil and ground water quality.

The test borings were installed following ASTM standard penetration test soil sampling methods using hollow-stem auger drilling techniques. Each test boring was advanced to a depth of \pm 27.0 ft. below ground level. The 27.0 ft. depth generally represents a depth \pm 10.0 feet below a shallow ground table and a depth at which a low permeable clayey silt deposit was encountered. Each boring was later converted to permanent 1.0 inch monitoring wells. The prefix "MW" identify test boring locations that have been converted to monitoring wells.

Each of the wells are composed of two basic components; the well screen and the riser or blank. Well screens are the intake portion of the monitoring well. The basic purpose of the riser is to provide storage and a connection to the surface from the well screen. Each of the monitoring were constructed using 1.0 inch flush joint, schedule 40 PVC pipe with 10.0 feet of slotted (0.010 inch) well screen. Each monitoring well was constructed to screen the upper most ground water formation and/or at an appropriate depth for the specific hydrogeologic conditions at soil boring location. The well screens were positioned to straddle the sites shallow ground water table to facilitate the monitoring of light non aqueous phase liquids (LNAPL). The site specific drilling ranges performed during this work as well as the screen settings for each well are listed below for consideration:

<u>LOCATION</u>	<u>TOTAL DEPTH (BGL)</u>	SCREEN SETTING (BGL)
TB 1	27.00'	13.0 - 23.0'
TB 2	27.00'	12.0 - 22.0'
TB 3	27.00'	12.0 - 22.0'

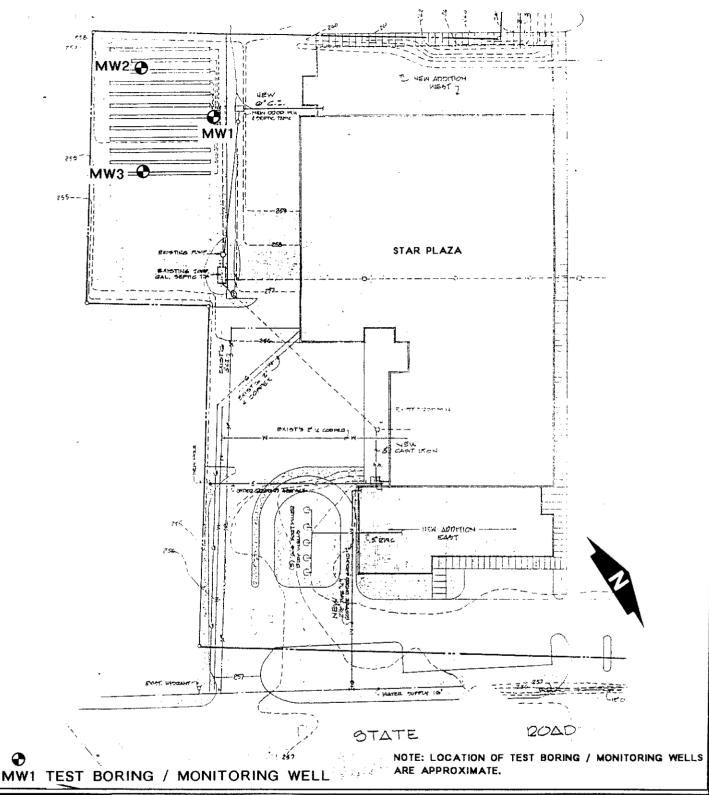


	Figure #3	TEST BORING / MONITORING WELL LOCATION MAP		
	Title	LEACH FIELD AREA #2		
A L	Project Name:	P2SA STAR PLAZA 2050 WESTERN AVE. GUILDERLAND, N.Y. SITE		
	Project Number:	98.0100134		
	Scale:	1.0 INCH = 60 FEET		

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A tailpiece has been installed below the screen to postpone silting of the well. The annular space around and approximately five feet above the well screen was filled with a clean #1 sand filter pack material graded for the slot size of the well. A ± four foot thick bentonite seal was installed above the sand pack. The remainder of the bore hole was filled with a cement grout. A NETC hydrogeologist supervised all aspects of the drilling and well installation program, well development and was responsible for detailed logging of all samples.

As part of the subsurface drilling program, NETC perform periodic examinations of the ambient air space surrounding the work zone, and the open bore hole to evaluate the presence of VOC's. An HNu Model HW-101 photoionization analyzer was used to facilitate the testing requirements. Level "D" conditions prevailed during the all drilling services. A copy of the test boring logs are included in Appendix B.

Split-Barrel Soil Sampling

Split-barrel soil samples were collected following ASTM standard D-1586 sampling methods. Standard soil sampling procedures (collecting samples every 5.0ft) were performed at each of the soil boring locations. Two 24-inch long (2-inch O.D.) split-barrel samplers, consisting of a drive head, split barrel and drive shoe, were used to collect the soil samples.

All split-barrel samples were logged on site as they were extracted, labeled and retained in precleaned aluminum foil lined sample jars. All soil sampling equipment was pre-cleaned using alconox and deionized water prior to use.

The split-barrel samples were obtained by driving a sampler with a 140 pound hammer falling 30 inches until either 24 inches had been penetrated or 100 blows applied. The number of blows required to effect each six inches of penetration was recorded. Samples obtained in this manner were examined and described using the Modified Burmister and Unified Soil Classification Systems. The soil samples were retained in glass jars sealed with aluminum foil-lined screw top lids.

In compliance with ASTM methods, the sample jars were labeled with the following information: job designation, boring number, sample number, depth of sample, depth penetration record and length of recovery.

Volatile Organic Field Analysis

As part of the subsurface investigative program, NETC performed examinations for VOC's on all split-barrel soil samples. An HNu Model HW-101 photoionization analyzer was used for the testing.

The headspace in the half filled soil samples jars was tested by piercing the metal foil with the HNu probe. The objective of the VOC testing procedure was to evaluate the vertical extent of VOC soil contamination, as well as short listing soil samples for additional laboratory analysis, if necessary.

Ground Water Sampling Services

Ground water samples were collected from each of the monitoring wells on January 30, 1998. Prior to any water sample collection, static water levels will be measured to the nearest one-hundredth of a foot in each monitoring well installed at the site. The presence of free phase petroleum products was evaluated in each well using an oil water interface probe.

Concomitant with the development process temperature, pH, specific conductance, and turbidity was measured until the parameters stabilized, indicating fresh, representative ground water entering the well.

Ground water sampling occurred when a sufficient volume (i.e., 90%) of ground water had recovered (i.e., fresh aquifer water has entered the well) in the well. Sampling was performed using dedicated bottom filled, check valved PVC bailers and monofilament to lower and raise the bailer. Observation were recorded regarding weather and surrounding air/water/soil conditions, non-aqueous components of well water (e.g. "floaters," surface sheens) and any other pertinent field conditions.

Laboratory sample containers and preservatives provided by Upstate Laboratories Inc. (ULI) were used during the ground water sampling work. All samples were analyzed as total matrix. All samples were maintained at a temperature of 4 °C by commercially available (pre-frozen) "ice-packs" and appropriate holding and transportation times were followed. All samples were collected in such a manner as to minimize agitation and other disturbing conditions which may cause physio-chemical changes and bring about losses due to

volatilization, adsorption, redox changes or degradation.

All ground water samples collected were analyzed for the parameters inclusive of the EPA Method 8021. Formal chain of custody documentation were maintained throughout the shipment of the samples. ULI performed the chemical testing services under contract with NETC.

LEACH FIELD AREA #2 GEOTECHNICAL FINDINGS

The results obtained from the test boring work identify the unconsolidated deposits along the southwestern portion of the STAR site as, in descending order, a cultural fill layer consisting of coarse sand and gravel (presumed to be the leach field), followed by eolian sand, a glaciolacustrine sand interbedded with silt & clay layers that fines downward into a glaciolacustrine clayey silt. Ground water was encountered in each of the soil borings at a depth of \pm 12.0' - 15.0' below grade.

Following the field visual inspection, all split-spoon soil samples (ss²) were subjected to field PID headspace testing services to evaluate the presence of VOC's. The ss² were heated prior to field PID analysis to facilitate the detection of VOC's. Generally the results of the field VOC testing services identify background VOC levels (i.e., 0.4 - 1.0 ppm) in each of the soil samples collected at the site.

Ground water samples collected from wells MW1, 2 & 3 were chemically analyzed by ULI. The results of the ground water laboratory tests have identified all indicator parameters evaluated during this investigation as below the minimum detection limits (MDL) established by ULI or within 6NYCRR Part 703 ground water standards at each monitoring wells. The compounds toluene and m,p xylene have been identified at each of the (3) monitoring wells at similar concentrations (i.e., 0.6 - 3.0ppb). A complete copy of the ULI report has been included in Appendix C.

DISCUSSION / RECOMMENDATIONS

The results of the completed P2SA have found the STAR site as generally free of significant petroleum soil and ground water contamination. A GPR survey performed along the sites northwestern property line (a/k/a, UST AREA #1) have not found subsurface anomalies that would be considered representative of (3) 1000 gallon UST's reportedly used at the site prior to 1970. One \pm 36 inch

diameter structure was identified to exist adjacent to TB1. The specific use of this buried structure is unknown at this time.

Laboratory soil (TPH) and ground water test (STARS 8021/8270) performed on samples collected from UST AREA #1, specifically soil borings TB1, 2, 3 & 4, identify these locations as free of petroleum contamination above the minimum detection limits established by HES.

Visual, olfactory and/or PID field screening inspection services performed on soil samples collected from soil boring TB2 (and to a lesser extent TB3) have substantiated low levels petroleum contamination at a depth of 9.0 - 12.0 feet below ground level. The petroleum soil contamination is in our opinion consistent with the depth that would be expected for UST infrastructure. The most ostensible area of petroleum soil contamination appears to be limited to location TB2. It is our opinion that the soil contamination is likely the result of historical use of UST and similar pump island equipment in this area of the site prior to 1970. The lack of petroleum ground water contamination at TB1, 2, 3 & 4 suggests the petroleum soil contamination is a low threat to the sites ground water quality. A more comprehensive assessment of the actual source of the soil contamination and the horizontal extent to which petroleum soil contamination exist along the sites northwestern property line has not been attempted.

Soil and ground water samples collected within a septic system leach field used by the site during the period from ± 1970 - 1974 (a/k/a LEACH FIELD AREA#2) have identified this area as free of significant petrochemical / chlorinated organic contamination. Visual, olfactory and PID field screening services performed on soil samples collected during the installation of monitoring wells MW1, 2 & 3 have not identified elevated VOC contamination indicative of dry cleaning chemical (i.e., PERC) waste disposal practices.

The compounds toluene and m, p xylene have been identified in ground water samples collected from each monitoring well at concentrations that range from 0.6 - 3.0 ppm. The concentrations of toluene and m, p xylene are within the DEC's 6NYCRR Part 703 "GA" ground water standards and in our opinion due not warrant ground water remediation. The actual cause for the ground water contamination is unsubstantiated but is likely associated with the disposal of petrochemical compounds in the sites septic system.

Additional site assessment / subsurface evaluation services would be required to further qualify the GPR anomaly as well as the soil and ground water contamination identified at the site. As noted, the soil and ground water contamination found to be present at the site is generally considered a low environmental threat to the sites overall quality condition. This opinion is in large part due to the existence of a publicly available water supply, the apparent lack of ground water supply receptors in the immediate study area and assumes the apparent sources of the contamination (i.e., former UST's & septic systems) have been eliminated.

The findings and opinions offered herein are based on a limited subsurface investigation; no other warranties are offered or implied. If additional subsurface information from the STAR site becomes available, modifications to this report may be appropriate. If a regulatory determination of our findings is considered necessary, a copy of this report should be forwarded to the DEC's for their input. Please contact me if you would like NETC to forward a copy of this report to the DEC. If you have any questions regarding this matter please contact me at (518) 899-9684. NETC remains available to assist you, Star Plaza, Inc. and the Axiom Capital Corporation in this and related matters, as necessary.

Sincerely,

Northeastern Environmental Technologies Corporation

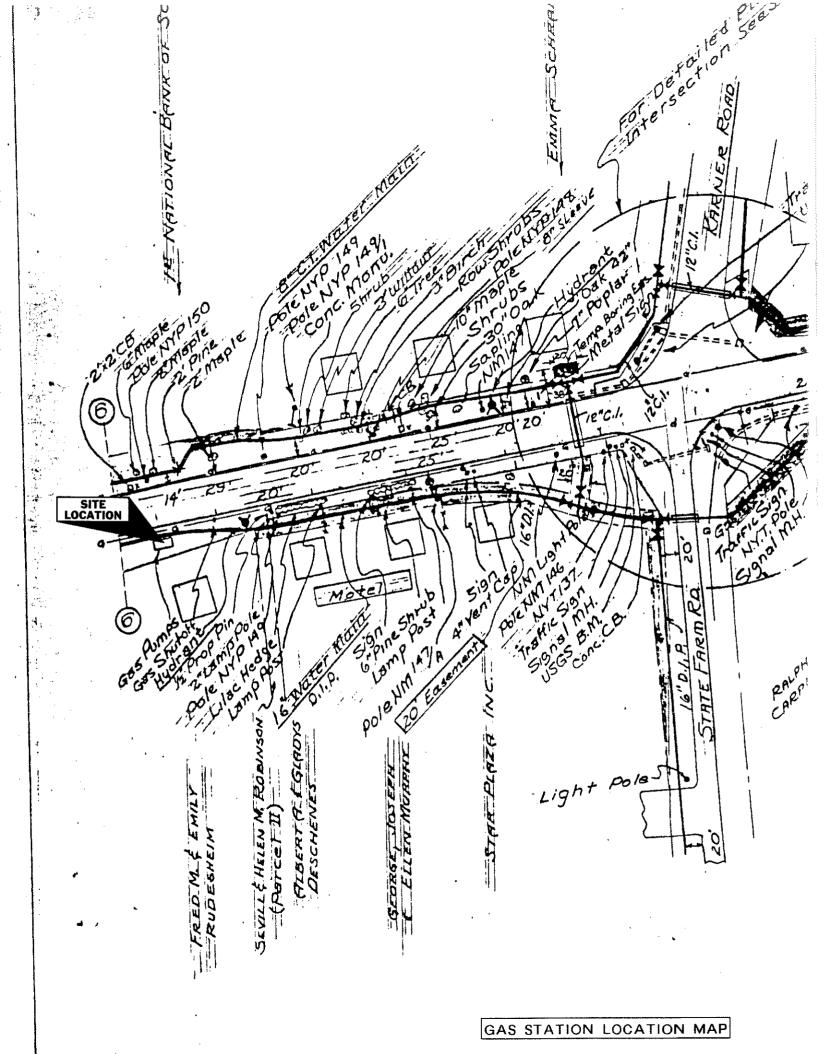
Jeffrey T. Wink, President

JTW/sbs

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c.c. Savas H. Ermides Star Plaza, Inc. Mike Ermides Star Plaza, Inc.

Appendix A GPR Survey Report



TARLE OF CONTENTS

SUB-SURFACE INFORMATIONAL SURVEYS, INC.

GROUND PENETRATING RADAR RESULTS

PRESENTATION MADE TO

NORTHEASTERN ENVIRONMENTAL TECHNOLOGIES, INC.

January 5, 1998

SURVEY LOCATION

Star Plaza
Intersection of Rts 85 and 20
Guilderland, New York

PAGE 1	NON TECHNICAL OVERVIEW (IF APPLICABLE)
PAGE 2	GPR PROCEDURES AND GRID DEFINITION
PAGE 3	GENERAL MAPS AND/OR SITE MAPS (IF AVAILABLE)
PAGE 4	GRP OVERVIEW AND EXPLANATION
PAGE 5	PROFILE COPIES OBTAINED ON SITE
PAGE 6	OTHER APPLICATIONS/ADDITIONAL INFORMATION (if applicable)

Sub-Surface Informational Surveys, Inc.

Post Office Box 759 - Somers, CT 06071-0759

CORPORATE HEADQUARTERS

Monitor Building - 145 Shaker Road E. Longmeadow, MA 01028-0452

MA (413) 525-4666 - CT (860) 749-8434 - FAX (413) 525-2887

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PAGE 1

January 6, 1998

Mr. Jeff Wink, President Northeastern Environmental Technologies, Inc. 66 Meadow Rue Balston Spa, New York 12020

Dear Mr. Wink:

A Ground Penetrating Radar (GPR) survey at the request of your company was conducted on January 5, 1998 at Star Plaza in Guilderland, NY. The purpose of the survey was to locate and orient any underground storage tanks within the investigating area. A 4' grid was implemented within an area of 90' north/south by 150' east/west. Survey started from the southeast side of the area of investigation and ended at the northwest corner.

It appears most of the area is of a general construction type fill with occasional reflections of small metal pieces within approximately 3.5' below the surface. Some pipes and conduits were seen on site. There was one small *metal* reflection that was seen in the northeast corner of the property which was painted on site. (see attached overview for it's location). This reflection has a signature of approximately 36" in diameter and is 18" below the surface. A signature like this is indicative of a dry well or *bee-hive* structuring.

Depth of this investigation ranged from a minimum of 6' to a maximum of up to 10'. We found that there was a refusal of our signal at the approximate 6' level where our signal came in contact with a highly conductive atmosphere. This may be the upper level of clay and/or the water table. Traverses were run from Route #20 to the face of the Dunkin Donuts building. No other unusual profiles were seen during this survey.

Respectfully submitted,

Paul H. Bacon, Jr.

Supervising Technician

PHB/z

The information contained in this report represents the results of a Ground Penetrating Radar (GPR) survey conducted on January 5, 1998 at Star Plaza, Intersection of Rts 85 and 20 in Guilderland, New York. The grid for the survey was set up on four (4') foot parallel traverses with transects at 90 degree's the same. When an anomaly was located, the traverses and transects were tightened up to a small grid so as to give the exact location and/or orientation of any suspected anomaly.

Sub-Surface Information Surveys, Inc. used a Subsurface Interface Radar (SIR) System-3 which consists of an electronics unit, power supply, graphic recorder, video display unit and transmitting/receiving antenna. The equipment is known collectively as a GPR system. The transmitting/receiving antenna transmits electromagnetic signals into the subsurface and then detects, amplified, and displays reflections of the signal on a graphic recorder and a video display unit. As the antenna is moved slowly across the ground surface, a radar image of the subsurface is produced. The maximum depth of penetration of the GPR signal and the resolution of the reflections are a function of the antenna frequency and the electrical properties of the subsurface. As electrical conductivity of the subsurface increases, GPR signal penetration decreases. GPR reflections are produced by spatial changes in the physical properties of the subsurface (i. e., type of material, presence of any subsurface fluid, and porosity) and related changes in the electrical properties of the subsurface materials in the path of the signals. The greater the difference, the stronger the observed GPR reflection.

Subsurface objects reflect EM pulses and produce a *hyperbola* that identifies precisely the location of the center of the target.

All site maps and/or plans that have been supplied by you (if applicable) have been duplicated and are made part of this report. These are used for reference only and are not necessarily to scale. They are used for the identification and/or location of specific anomalies as indicated in this report.

GROUND PENETRATING RADAR SURVEY 1/5/98

= METALIC OBJECT 36" OD

THE ATTACHED PROFILES REPRESENT A CROSS-SECTION OF THE ACTUAL SUBSURFACE CONDITIONS TAKEN DURING THIS SURVEY. THE SURVEY WAS VIEWED ON A VIDEO MONITOR AT ALL TIMES. SELECTIVE SAMPLE PROFILES ARE TAKEN AND DOCUMENTED AS PART OF THIS REPORT FOR SPECIFIC AND/OR QUESTIONABLE ANOMALIES. FIELD ANNOTATIONS MAY BE SEEN ON SOME OF THESE PROFILES. SOME OF THE DATA HAS BEEN REDUCES UP TO 65% FOR BETTER VIEWING. AREAS OF CONCERN (AOC) HAVE BEEN HIGHLIGHTED FOR QUICK REFERENCE.

This report may have been broken down into sectors. A sector change would occur when there are significant changes in the terrain from one area to another or a change in vehicle/computer position. (Example: If we had two areas to be surveyed such as a parking lot and a field, we would break this down into two separate sectors for quick and easy reference. Inside of buildings may be broken down into a sector for each room or hallway).

P-1 is the initial westerly profile. This is running parallel to the front of Dunkin Donuts at +85 south of Route 20. This 75' long traverse shows a good penetration down to an estimated 6.5' below the surface. It is showing a good distribution of the subsoil's with what appears to be the fill line at approximately 48" below the surface. The hyperbolic features circled may be that of some pipes or conduits. No other unusual anomalies.

P-2 is a traverse 5' north of P-1 showing the same as P-1. No unusual anolmalies seen.

P-3 and P-4 represent profiles to an increased depth of up to 10' below the surface. P-3 at +10' north, P-4 at +15' north of the Dunkin Donuts building show a good definition of the subsoil's. The hyperbolic feature noted at the surface appears to be that of the electrical line from a lite post off the northeast corner of the property. No other unusal anomalies seen.

P-5 represents a westerly traverse 45' north of the Dunkin Donuts building. This is showing one hyperbolic feature which was noted on site.

P-6 is a profile over the hyperbolic feature off the south side of the lite post. This appears to have an estimated diameter of 36" and may be that of a dry well due to the beehive shape of the anomaly. It appears to be within 12" - 15" below the surface and has a signature of being metallic.

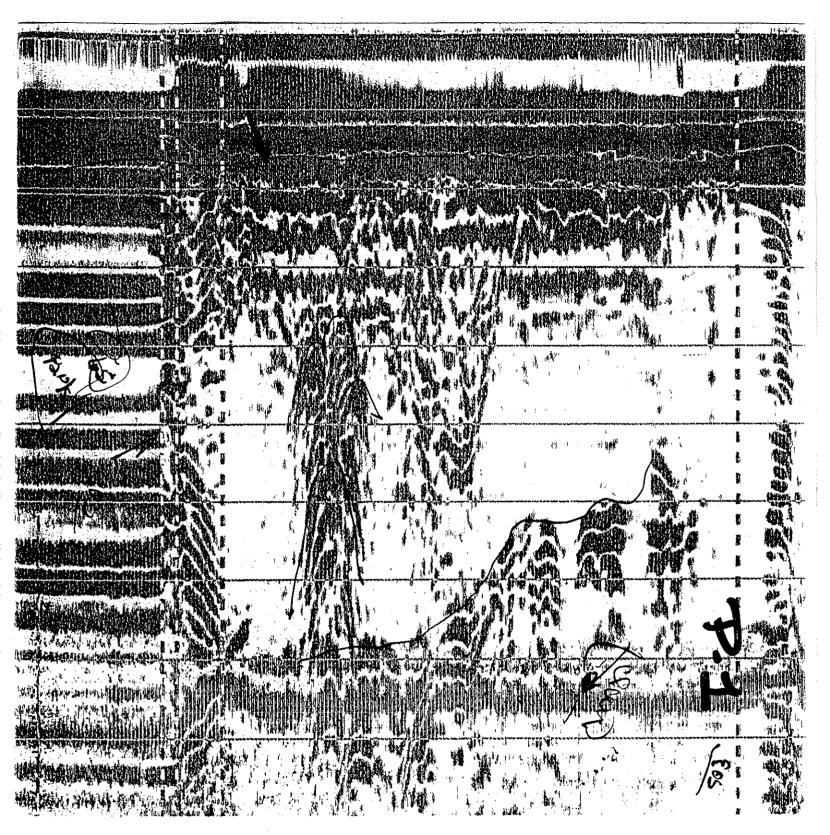
P-7 represents a westerly traverse at +15 north of the Dunkin Donuts building. This traverse at +15' north of the Dunkin Donuts building. This travese is to the western driveway entrance. This is showing a good signal down one half of the profile: This is noted at maximum. The refusal of our signal at this depth of an estimated 5' may be due to that of the water table. No other unusual anolalies seen.

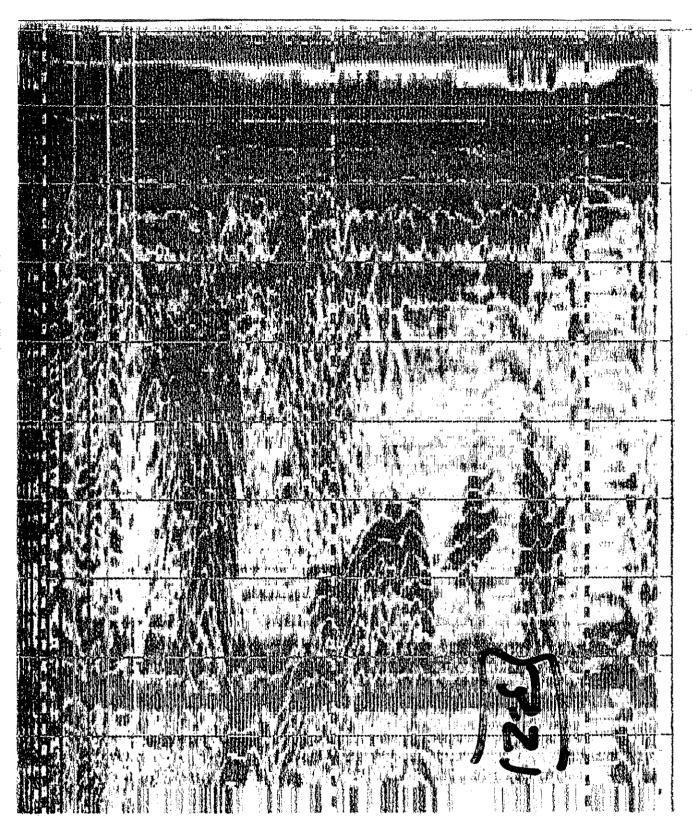
GPR OVERVIEW & EXPLANATION

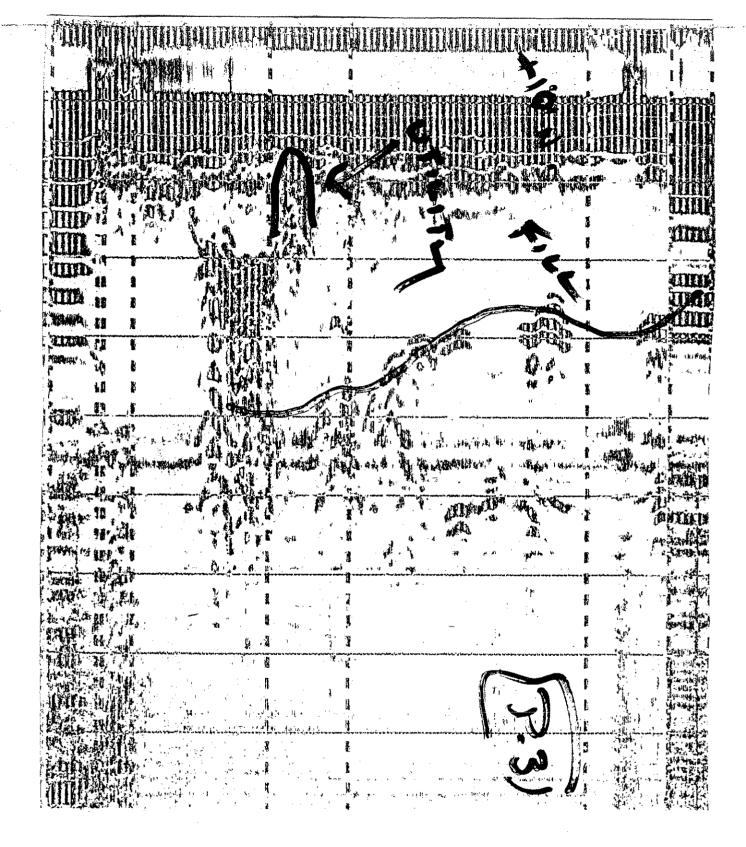
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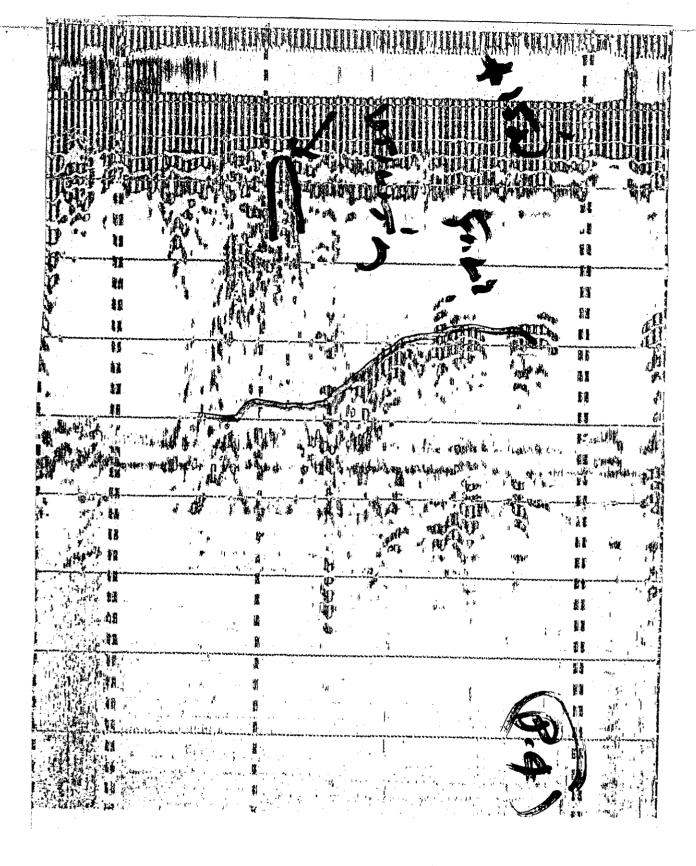
P-8 this profile represents a westerly traverse at the edge of the roadway down the center of the sidewalk. Site conditions are that of 3" of snow which, due to the melting, increases the conductivity of of this profile. (This is the reason for the darker profile) It is showing the soil interface at an estimated 3' below the surface with no unusual anomalies seen.

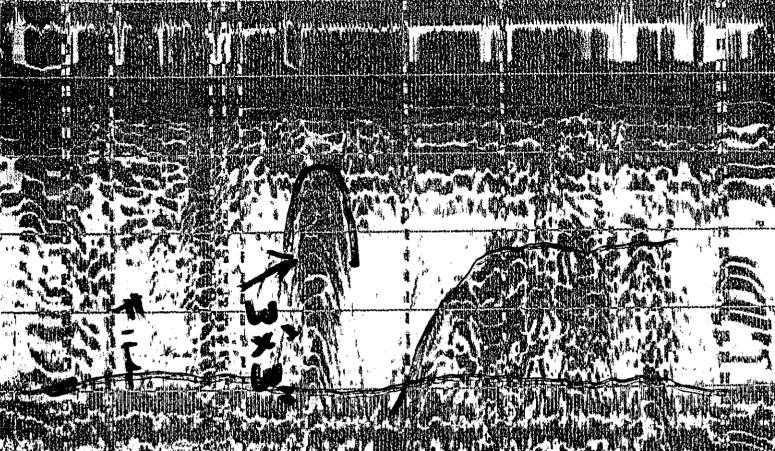
COPIES OF ACTUAL PROFILES TAKEN DURING YOUR GPR SURVEY

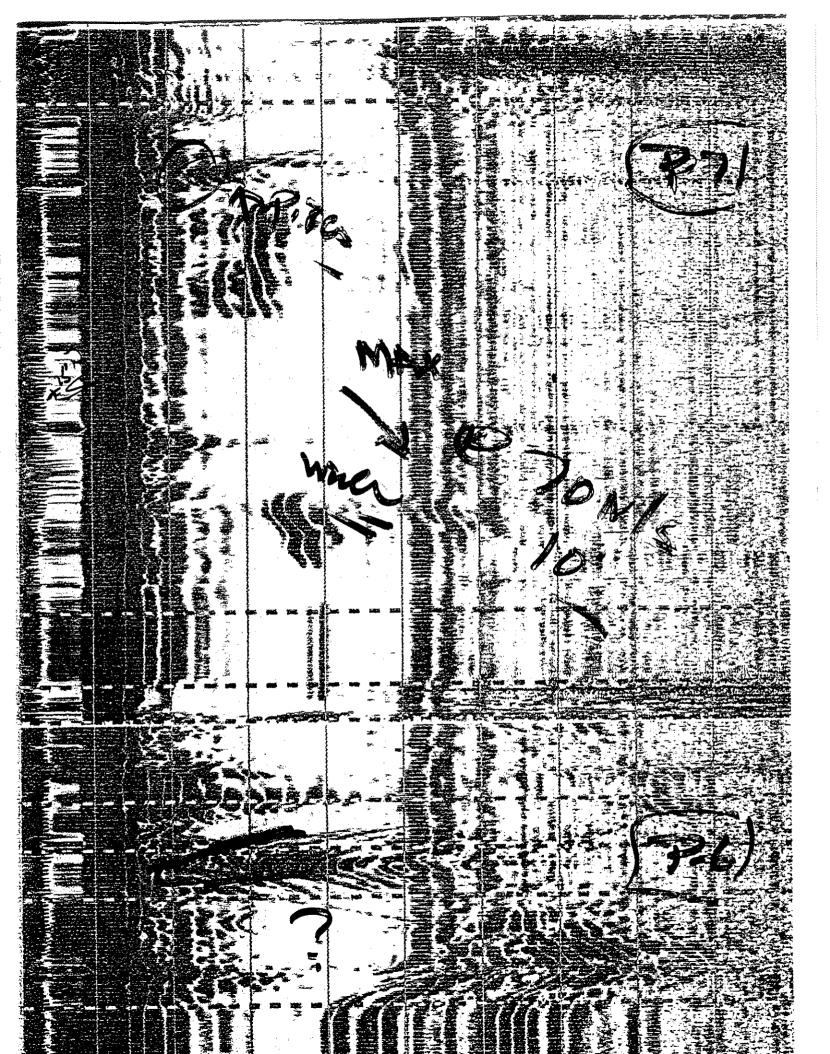


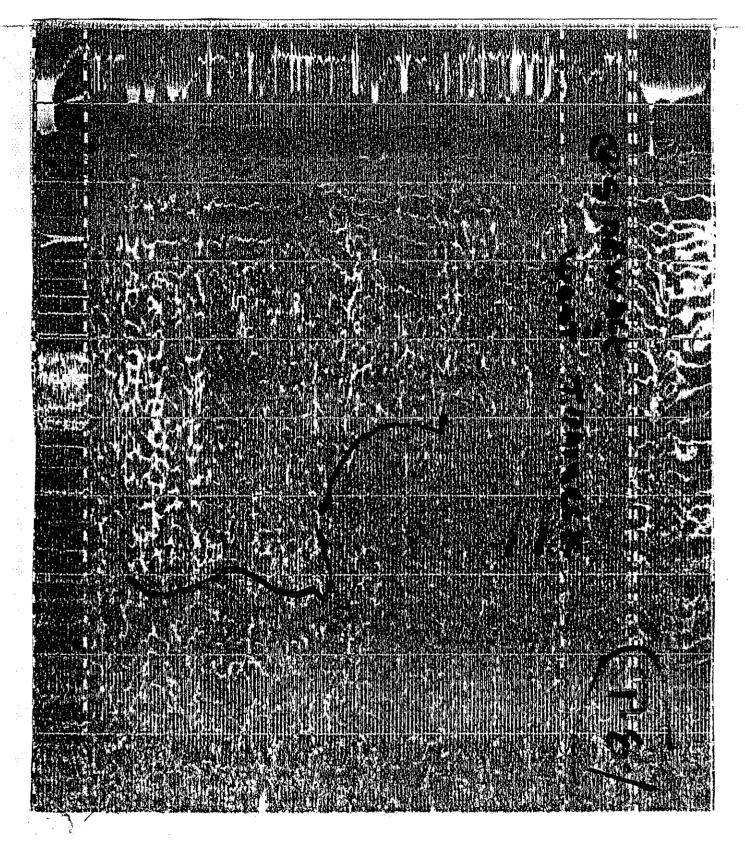












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Additional information may be requested as part of this report such as comparative profiles of similar anomalies or specific information relating to other definitive applications.

Sub-Surface Informational Surveys, Inc. has been a leader in the ground penetrating radar (GPR) industry. In addition to GPR, ferromagnetic magnetometers are used in all of our surveys as needed to get the end results for you, our customer. We service all of the New England area as well as all of the State of New York (From Albany to Buffalo), New Jersey, Pennsylvania and Washington, DC

Offices in Connecticut & Massachusetts Incorporated 1988

REPORT NOTES

	A ,		
ATE_			
DATE:			
		-	
DATE: _			
DATE:			

DATE: ___

Appendix B Soil Boring Logs

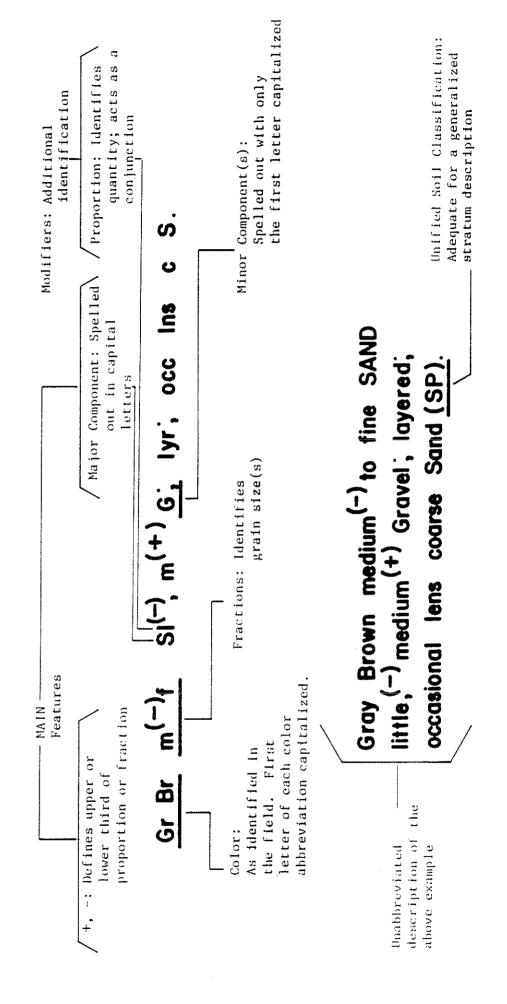
UNIFIED SOIL CLASSIFICATION SYSTEM. (ASTM D-2487)

Мај	Major Divisions		Gro Symt		Typical Names	Laboratory Classification Crit		Laboratory Classification Criteria
	Gravels [More than half of coarse fraction is larger than No. 4 sieve size) wels with fines reciable amount [Little or no fines]		GV	y	Well-graded gravels, gravel-sand mix- tures, little or no fines	arte-grained	dusi symbols ^b	$C_U = \frac{D_{60}}{D_{10}}$ greater than 4; $C_C = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3
Coarse-grained soils [More than half of material is larger than No. 200 sieve size]			GP	_	Poorly graded gravels, gravel-sand mix- tures, little or no fines	ve size}, co	գսիժոց ժո	Not meeting all gradation requirements for GW
	Gra (Mare than half o larger than No	Gravels with fines (Appreciable emount	GMª	d s	Silty gravels, gravel-sand-silt mixtures	percentages of sand and gravel from grain-size curve, on percentage of lines (frection smaller than No. 200 sieve size), coarte-grained	er IIIan NG. 200 sieve sizel, GW, GP, SW, SP GM, GC, SM, SC Bordarline casas requiring	Atterberg limits below "A" Above "A" line with P.I. between 4 and 7 are border-
Coarse-grained soils naterial is larger than		Gravels (Apprecial	GC		Clayey gravels, gravel-sand-clay mix- tures	un grain-si maller than	GW, C GM, C Bords	Atterberg limits below "A" line cases requiring use of dual symbols dual symbols
Coarse-	ds coarse fraction is , 4 sieve size) Clean sands		sw		Well-graded sands, gravelly sands, little or no fines	gravel fro		$C_u = \frac{D_{60}}{D_{10}}$ greater than 6: $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3
than half o		Clean sands (Little or no fines)	SP		Poorly graded sands, gravelly sands, little or no fines	of sand and e of fines	0005:	Not meeting all gradation requirements for SW
(More 1		Sands with fines (Appreciable amount of fines)	sm*	a n	Silty sands, sand-silt mixtures	Determing percentages of sand and gravel from grain-size curve. Depending on percentage of fines (frection smaller than No. 200	sous are classified as follows: Less than 5 per cent More than 12 per cent 5 to 12 per cent	Atterberg limits above "A" Limits: plotting in hatched zone with P.I. between 4
			sc		Clayey sands, sand-clay mixtures	Determine p Depending	sous are classified. Less than 5 per c More than 12 per 5 to 12 per cent	Atterberg limits above "A" line with P.I. greater than 7 looks
[a	**	han 50)	ML		Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity	nds, ity		
. 200 siev	Fine-grained soils material is smaller than No. 200 sieve) and clays (Liquid limit less than 50)		CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, sity clays, lean clays		60	Plasticity Chart
iile r than No			OL		Organic silts and organic silty clays of low plasticity		50	СН
Fine-grained soils aterial is smallar t	ays er than 50}	мн		Inorganic silts, micaceous or diatoma- ceous fine sandy or silty soils, elastic silts		Plasticity index	OH and MH	
Fi alf mat	Silts and clays (Liquid limit greater than 6		СН		Inorganic clays of high plasticity, fat clays		= 20	CL
More than half			он	Management and the second	Organic clays of medium to high plasticity, organic silts		10	OL ML and OL 10 20 30 40 50 60 70 80 90 100
V)	Highly organic	slios	Pt		Peat and other highly organic soils			Liquid limit

^aDivision 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 greater than 28.

^bBorderline 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.

MODIFIED BURMISTER SYSTEM



III. Glossary of Modifying Abbreviations

Ca	tegory	Symbol	Term	Symbol	Term	Symbol	Term
A.	Borings	ם/ט	Undisturbed	8	Exploratory	A .	Auger
В.	Samples	C D O.E.	Casing Denison Open End	L S	Lost Spoon	₩ ₩	Undisturbed Wash
C.	Colors	bk bl br gr	biack blue bro wn gray	gn or rd tn	green orange red tan	wh yw dk It	white yellow dark light
D.	Organic Soils	dec dec'g lig	decayed decaying lignite	o rts ts	organic roots topsoil	veg pt	veg etation peat
E ·	Rocks	LS Gns	Limestone Gneiss	rk SS	rock San dstone	Shst Sh	Schist Shale
F.	Fill and Miscellaneous Materials	bidr (s) brk (s) cndr (s)	boulder (s) brick (s) cinder (s)	cbl (s) wd dbr	cobble(s) wood debris	gls misc rbl	glass miscellaneous rubble
G.	Miscellaneous Terms	do ef, El fgmt (s) frqt lrg mtld no rec pen	ditto elevation fragment(s) frequent large mottled no recovery penetration	P. I. P pc (s) rec or R	pocket penetrometer Plasticity Index pushed pressed piece (s) recovered	ref sm W. L W. H. W. R.	refusal small water level weight of hammer weight of rods
н.	Stratified Soils	alt thk thn w prt seam lyr stra vvd c pkt lns occ freq	alternating thick thin with parting seam layer stratum varved Clay pocket lens occasional frequent	— small, erration— lenticular de — one or less p	thickness iickness 12" thickness eams or layers of sand, c deposit, usually less th		

VISUAL IDENTIFICATION OF SAMPLES

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

1. 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" ½" to 1" No. 10 to ½"	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 (0\$)
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	<u> </u>
Clayey SILT	Cy\$	Slight (SI)	1 to 5	Clay-Soil
SILT & CLAY	\$&C	Low (L)	5 to 10	Material passing the No. 200 sieve which can be
CLAY & SILT	C&\$	Medium (M)	10 to 20	made to exhibit plasticity and clay qualities within
Silty CLAY	\$yC	High (H)	20 to 40	a certain range of moisture content, and which
CLAY	C	Very High (VH)	40 plus	exhibits considerable strength when air-dried.

II. Definition of Component Proportions

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

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

UST AREA #1

NO	RTHEAS	TERN ENVIRONMENT	AL TECHNO	LOGIES	TES	T BORING	LOG	BORING NO.	TB-1	
PR	OJEC	CT: Star Plaza	2050 V	/estern	Ave. Guile	derland. N	Y Site		SHEET NO. 1 OF 1	
	ENT:							JOB NO.98.0100134		
DR	ILLIN	G CONTRAC	TOR: N	NETC				M.P. ELEV. NA		
ΡU	RPOS	SE: Subsurface	e Invest	igation	- UST Are	ea #2		GR. ELEV. N	VA.	
DR	ILLIN	IG METHOD:	IRECT	PUSH	Sample	GW	CASING	DATUM ASS	UMED	
DR	ILL R	IIG: 540U		TYPE	MACRO	GRAB	NA	DATE STARTE	D 1/20/98	
GR	OUND	WATER ±10.0		DIAM.	20'	1.0	NA	DATE FINISHEL	D: 1/20/98	
ME	ASURI	NG PT.GROUND)	WELL	NA	PVC	NA	DRILLER J.CAR	BONE	
DA	TE 1/2	0/98	1	MTHD	NA	VAC/TRAP	NA	INSPECTOR J.V	MNK	
DEPTH	SAMPLE Na	BLOWS ON SAMPLE SPOON PER 6.0"	UNIFIED SOIL CLASS SYSTEM	PEAK PID (PPM) BKG=0.4	GEOLOGIC DESCRIPTION REV				REWARKS	
1.0 2.0 3.0 4.0	S1		SM	0.4ppm	Brown me	dium - fine \$	SAND, trace	<u>Sit</u>	R=3.0' dty	
5.0 6.0 7.0	S2		SM	0.4ppm	Brown fine	SAND, alt i	yrs Silt		Rec=4.0' moist	
9.0 10.0 11.0 12.0	ಽಽಽ		SM	0.7ppm	Brown - G	RAY fine SA	AND,		Rec= 3.5' wet @ 10.0'	
13.0 14.0 15.0 16.0	S4		SM	0.4ppm	Same as al	oove;			Rec=4.0* WET	
17.0 18.0 19.0 20.0					SAMPLE C	E BORING A OLLECTED RY MONITO	AT 10 - 120			

NO	RTHEAS	STERN ENVIRONMENT.	AL TECHNO	LOGIES	TES	F BORING	LOG	BORING NO.	TB-2	
PR	OJEC	T: Star Plaza	2050 V	/estern	Ave. Guild	derland, N	Y Site	SHEET NO.	OF 1	
CL	ENT:	: Star Plaza	Inc.					JOB NO.98.0100134		
DR	ILLIN	IG CONTRAC	ror: N	NETC				M.P. ELEV. NA		
ΡU	RPOS	SE: Subsurface	e Invest	igation	- UST Are	a #2		GR. ELEV. N	√ A	
DR	ILLIN	IG METHOD:	CASING	DATUM ASS	UMED					
DR	ILL R	IIG: 540U		TYPE	MACRO	GRAB	NA	DATE STARTE	O 1/20/98	
GR	OUND	WATER ± 10.0		DIAM.	20'	1.0	NA	DATE FINISHED): 1/20/98	
ME	ASURI	NG PT.GROUND)	WELL	NA	PVC	NA	DRILLER J.CAR	BONE	
DA"	E 1/2	D/98	r	MTHD	NA	VAC/TRAP	NA	INSPECTOR J.V	MNK	
	SAMPLE No.	BLOWS ON SAMPLE SPOON PER 6.0°	UNIFIED SOL CLASS SYSTEM	PEAK PID (PPM) BKG=0.7		GEOLOGI	C DESCRIP	TION	REWARKS	
1.0	S1		SM	0,7ppm	Brown me	dium - fine S	SAND, trace	Sit	R=3.0°	
20									dry	
3.0										
4.0						•				
5.0 6.0	S2		SM	0.7ppm	Brown fine	SAND,			Rec=3.0° moist	
7.0										
8.0	00		O1.4						_	
9.0	53		SM	9.0 ppm		iium-iine S/ ie 10.0 - 12.0		; petro odor / soi	rec= 4.0 wet @ 10.0	
10.0			:						_	
11.0										
120										
13.0	S4		SM	0.7ppm	Same as at	cove;			Rec=4.0° WET	
14.0									¥ ¥	
15.0										
16.0										
17.0										
18.0					COMPLETE BORING AT 16.0' - GROUND WATER					
19.0					SAMPLE COLLECTED AT 10 - 120 VIA TEMPORARY MONITORING WELL					
20.0	-									
<u> </u>		·								

NO	RTHEAS	TERN ENVIRONMENT	AL TECHNO	LOGIES	TES	T BORING	LOG	BORING NO.	. TB-3	
PR	OJEC	CT: Star Plaza	2050 V	/estern	Ave. Guile	derland, N	Y Site	SHEET NO.	1 OF 1	
	ENT:					·		JOB NO.98.0100134		
DR	ILLIN	IG CONTRAC	TOR: N	VETC				M.P. ELEV. NA		
PU	RPOS	SE: Subsurface	e Invest	igation	- UST Are	a #2		GR. ELEV. 1	NΑ	
DR	ILLIN	IG METHOD:	DATUM ASS	UMED						
DR	ILL F	RIG: 540U		TYPE	MACRO	GRAB	NA	DATE STARTE	D 1/20/98	
GR	DUND	WATER ± 10.0		DIAM.	20'	1.0	NA	DATE FINISHE	D; 1/20/98	
ME	ASURI	NG PT.GROUND)	WELL	NA	PVC	NA	DRILLER J.CAF	BONE	
DA.	TE 1/2	0/98		MIHD	NA	VAC/TRAP	NA	INSPECTOR J.V	MNK	
	SAMPLE Na	BLOWS ON SAMPLE SPOON PER 6.0"	UNIFIED SOIL CLASS SYSTEM	PEAK PRD (PPM) BKG=0.7		GEOLOGI	C DESCRIP	TION	REMARKS	
1.0	S1		SM	0.7ppm	Brown medium - fine SAND, trace Silt R=3.5					
2.0		:				cty				
3.0										
4.0										
5.0	82		SM	0.7ppm	Brown fine	SAND, little	Sat		Rec=4.0'	
6.0									moist	
7.0										
8.0										
9.0	S3		SM	0.7 ppm	Brown- gra	<u>v medium-fi</u>	ine SAND, lit	ie Silt	Rec= 4.0*	
10.0									wet @ 10.0"	
11.0										
120										
13.0	S4		SM	1.1ppm	Same as al	oove;			Rec=4.0'	
14.0				, ,		,			WET	
15.0									***************************************	
16.0										
17.0										
18.0					COMPLETE BORING AT 16.0" - GROUND WATER					
						OLLECTED RY MONITO				
19.0										
20.0		·								

*

PROJECT: Star Plaza 2050 Western Ave. Guilderland, NY Site CLIENT: Star Plaza Inc. DRILLING CONTRACTOR: NETC PURPOSE: Subsurface Investigation - UST Area #2 DRILLING METHOD:DIRECT PUSH SAMPLE GW: CASING DATUM ASSUMDED FOR CASING DATE STARTED FOR CASING DATE FINISHED: MEASURING PT.GROUND WELL NA PVC NA DRILLER J.CARBO DATE 1/2098 MITHO NA VAC/TRAP NA INSPECTOR J.WI	00134 A A MED 1/2098 1/2098				
DRILLING CONTRACTOR: NETC PURPOSE: Subsurface Investigation - UST Area #2 GR. ELEV. NA DRILLING METHOD:DIRECT PUSH SAMPLE GW. CASING DATUM ASSUR DRILL RIG: 540U TYPE MACRO GRAB NA DATE STARTED GROUND WATER ± 10.0' MEASURING PT.GROUND WELL NA PVC NA DRILLER J.CARBO	A MED 1/20/98 1/20/98				
PURPOSE: Subsurface Investigation - UST Area #2 DRILLING METHOD:DIRECT PUSH SAMPLE GW CASING DATUM ASSUMD DRILL RIG: 540U TYPE MACRO GRAB NA DATE STARTED GROUND WATER ± 10.0' MEASURING PT.GROUND WELL NA PVC NA DRILLER J.CARBO	MED 1/20/98 1/20/98				
DRILLING METHOD:DIRECT PUSH SAMPLE GW CASING DATUM ASSUMD DRILL RIG: 540U TYPE MACRO GRAB NA DATE STARTED GROUND WATER ± 10.0' DIAM. 20' 1.0 NA DATE FINISHED: MEASURING PT.GROUND WELL NA PVC NA DRILLER J.CARBO	MED 1/20/98 1/20/98 SONE				
DRILL RIG: 540U TYPE MACRO GRAB NA DATE STARTED GROUND WATER ± 10.0' DIAM. 20' 1.0 NA DATE FINISHED: MEASURING PT.GROUND WELL NA PVC NA DRILLER J.CARBO	1/20/98 1/20/98 3ONE				
GROUND WATER ± 10.0' DIAM. 2.0' 1.0 NA DATE FINISHED: MEASURING PT.GROUND WELL NA PVC NA DRILLER J.CARBO	1/20/98 CONE				
MEASURING PT.GROUND WELL NA PVC NA DRILLER J.CARBO	SONE				
DATE 1/2098 MITHO NA VAC/TRAP NA INSPECTOR J.W.II	NK				
BLOWS ON SAMPLE SOL PEAK PD GEOLOGIC DESCRIPTION BIG-04	REMARKS				
	₹=3.0				
20	try				
3.0					
4.0					
	Rec=2.0' moist				
7.0					
8.0	40				
	Rec= 4.0' vet @ 10.0'				
11.0					
					
12.0					
	Rec=3.0" NET				
15.0					
16.0					
17.0					
18.0 COMPLETE BORING AT 16.0' - GROUND WATER SAMPLE COLLECTED AT 10 - 12.0' VIA	COMPLETE BORING AT 16.0' - GROUND WATER SAMPLE COLLECTED AT 10 - 12.0' WA				
19.0 TEMPORARY MONITORING WELL.					
20.0					

Mr. Chuck Cronin February 19, 1998

LEACH FIELD AREA #2

МО	NORTHEASTERN ENVIRONMENTAL TECHNOLOGIES TEST BORING LOG BORING NO. TB1 (MW1)										
PR	OJE	CT: Star Plaza	Site 20	50 Wes	tern Ave.	Albany, N	.Y.	SHEET NO. 1	OF 2		
	ENT						W	JOB # 98.010	0134		
DR	ILLIN	IG CONTRAC	TOR: N	IETC				M.P. ELEV. N	I/A		
PU	RPO	SE: Subsurface	e Evalua	ation - L	each Field	d Area #2		GR. ELEV. N	1/A		
DR	ILLIN	IG METHOD:	CASING	DATUM AMS	L						
DR	ILL F	RIG: B53 Mobil		TYPE	S.S	NA	HSA	DATE START	TED: 01/28/98		
GR	OUN	DWATER: ± 1:	2.0	DIAM.	1.0" I.D.	NA	3.25" I.D.	DATE FINISH	IED: 01/28/98		
ME	ASU	RING PT. Grou	und	WT.	140 lbs.	NA	NA	DRILLER J. C	Carbone		
DA	TE: (1/28/98		FALL	30"	NA	NA	INSPECTOR	J.Wink		
DEPTH FEET	SAMPLE No.	BLOWS ON SAMPLE SPOON PER 6.0"	UNIFIED SOIL CLASS. SYSTEM	PEAK VOC (PPM) BKG= 0.3	GEOLOGIC DESCRIPTION REMAR				REMARKS		
1.0 2.0			SM		· · · · · · · · · · · · · · · · · · ·				Auger Cuttings Dry		
3.0 4.0			SM		Same as above				Auger Cuttings Dry		
5.0 6.0	S1	5 - 4	SM	1.0PPM	Same as at	Same as above					
7.0	5 2	2 - 4	SM	0.8PPM	Same as at	oove	,		Rec=0.75' Moist		
9.0	S3	5 - 5 7 - 4	SM	0.8PPM	Same; light	gray color o	change @ 10	, ·	Rec=2.0' Moist		
10.0		7 - 7									
11.0 12.0	S4	2 - 4 4 - 3	SM	0.8PPM	Gray medit	um - fine SA	ND, and Sil	•	Rec=2.0' WET		
13.0	S 5	5 - 5	SM	0.8PPM	Same as at	oove			Rec=2.0'		
14.0		4 - 5									
15.0	S6	2 - 4 4 - 5	SM	BKG	Same as at	oove			Rec=2.0' WET		
16.0 17.0	C 7		SM	BKG	Gray foo S	AND and O	lavev Cilt		Pag=2 0'		
18.0		14 - 15 24 - 23	SIVI	פאני	Gray fine SAND, and Clayey Silt Rec=2.0' WET						
19.0		6 - 10	SM	BKG	Gray Claye	SILT and f	ine Sand		Rec= 2.0' WET		
20.0		20 - 23									

	EASTERN OLOGIES		NTAL	TEST BORING LOG BORING NO.	TB1 (MW1)
PROJ	E CT: Sta	ar Plaza We	stern	Ave. Guilderland, NY SiteSHEET NO.2 C)F 2
CLIEN	T: Star	Plaza Inc.		JOB NO.98.01	00134
DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6" INTERVAL	UNIFIED CLASS.	GEOLOGIC DESCRIPTION	REMARKS
21.0	S 7	5 - 2 3 - 3	SM	Gray CLAYEY SILT,little fine Sand	Rec= 1.75' WET - hnu=BKG
25.0					
	S8	5 - 4	SM	Same as above;	Rec=1.5' WET hnu=BKG
30.0				Complete Boring @ 27'	
35.0					
40.0					
45,0				MONITORING WELL CONSTRUCTION PVC WELL SCREEN 13.0 - 23.0' MORIE #1 SAND - 10.0 - 27.0' BENTONITE SEAL - 5.0 - 10.0' CEMENT GROUT - 0.0 - 5.0' MANHOLE COVER INSTALLED	

NO	RTHEAS	STERN ENVIRONMENT	AL TECHNO	LOGIES	TEST	BORING	LOG	BORING NO.	TB2 (MW2)	
PR	OJE	CT: Star Plaza	Site 20	50 Wes	tern Ave.	Albany, N	.Y.	SHEET NO. 1	OF 2	
CLI	ENT	Star Plaza	Inc.					JOB # 98.010	0134	
DR	ILLIN	IG CONTRAC	TOR: N	NETC				M.P. ELEV. N	I/A	
PU	RPO	SE: Subsurface	e Evalua	ation - L	each Field	d Area #2	_	GR. ELEV. N	√ A	
DR	LLIN	IG METHOD:	HSA		SAMPLE	CORE	CASING	DATUM AMS	L	
DR	ILL F	RIG: B53 Mobil		TYPE	s.s	NA	HSA	DATE START	FED: 01/28/98	
GR	OUN	DWATER: ± 1	1.0	DIAM.	1.0" I.D.	NA	3.25"1.D.	DATE FINISH	IED: 01/29/98	
ME	ASU	RING PT. Grou	und	WT.	140 lbs.	NA	NA	DRILLER J. (Carbone	
DA	TE: C	1/29/98	1	FALL	30"	NA	NA	INSPECTOR	J.Wink	
	SAMPLE No.	BLOWS ON SAMPLE SPOON PER 6.0"	UNIFIED SOIL CLASS. SYSTEM	PEAK VOC (PPM) BKG= 1.0	1				REMARKS	
1.0 2.0			SM		Brown medium - fine SAND, little Clayey Silt, trace fine Gravel: asphalt & stone 0.0 - 0.5' Auger Cuttings Dry					
3.0 4.0					Same as al	Auger Cuttings Dry				
5.0 6.0					Same as al	bove			Auger Cutting Dry	
7.0 8.0	S1	2 - 5	SM	BKG	Brown med	ium - fine S	AND, trace S	ilt	Rec=2.0' Moist	
9.0		* - J								
10.0										
11.0	S2		SM	BKG	Brown med	dium - fine (SAND, varve		Rec=2.0' Maist	
12.0		2 - 4								
13.0		-								
14.0										
15.0							 			
16.0	S3	2 - 5	SM	BKG	Same as al	oove; gray c	olor change	@ 16.0'	Rec=2.0' WET	
17.0		6 - 10								
18.0							<u>-</u>			
19.0									<u> </u>	
20.0										

NORTH TECHN	EASTER! OLOGIES	N ENVIRONME CORP.	NTAL	TEST BORING LOG BORING N	O. TB2 (MW2)		
PROJ	ECT:Sta	ar Plaza We	stern	Ave. Guilderland, NY Site SHEET NO	.2 OF 2		
CLIEN	IT: Star	Plaza Inc.		JOB NO.98	JOB NO.98.0100134		
DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6" INTERVAL	UNIFIED CLASS.	GEOLOGIC DESCRIPTION	REMARKS		
21.0	S 7	3 - 8	SM	Gray CLAYEY SILT,little fine Sand; VARVED	Rec= 1.80' WET		
		9 - 10			Hnu=BKG		
25.0							
	S8	6 - 6	SM	Same as above;	Rec=1.5' WET		
		8 - 4			Hnu=BKG		
20.0							
30.0				Complete Boring @ 27'			
35.0							
40.0							
				MONITORING WELL CONSTRUCTION PVC WELL SCREEN 12.0 - 22.0'	ON		
				MORIE #1 SAND - 7.0 - 27.0' BENTONITE SEAL - 3.0 - 7.0'			
				CEMENT GROUT - 0.0 - 3.0' MANHOLE COVER INSTALLED			
45.0							

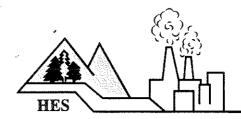
NC	RTHEAS	TERN ENVIRONMENT	AL TECHNO	LOGIES	TEST	BORING	LOG	BORING NO.	TB3 (MW3)	
PROJECT: Star Plaza Site 2050 Wes					tern Ave.	Albany, N	.Y.	SHEET NO. 1 OF 2		
CLIENT: Star Plaza Inc.								JOB # 98.0100134		
DR	ILLIN	IG CONTRAC	TOR: N	IETC				M.P. ELEV. N	I/A	
PURPOSE: Subsurface Evaluation - Lead					each Field	l Area #2		GR. ELEV.	I/A	
DR	ILLIŅ	IG METHOD:	HSA		SAMPLE	CORE	CASING	G DATUM AMSL		
DR	ILL F	RIG: B53 Mobil		TYPE	s.s	NA	HSA	DATE STARTED: 01/29/98		
GR	OUN	DWATER: ± 1	1.0	DIAM.	1.0" I.D.	NA	3.25"I.D.	DATE FINISHED: 01/29/9		
ME	ASU	RING PT. Grou	und	WT.	140 lbs.	NA	NA	DRILLER J. Carbone		
DA	TE: (1/29/98	1	FALL	30"	NA	NA	INSPECTOR J.Wink		
OEPT) FEET	SAMPLE No.	BLOWS ON SAMPLE SPOON PER 6.0"	UNIFIED SOIL CLASS. SYSTEM	PEAK VOC (PPM) BKG= 0.5	G	EOLOGIC	DESCRI	PTION	REMARKS	
1.0 2.0			SM		Brown medium - fine SAND, little Clayey Silt, trace fine Gravel: asphalt & stone 0.0 - 0.5' Auger Cutting: Dry				Auger Cuttings Dry	
3.0					Same as above Auger Cutting					
4.0					Dry					
5.0 6.0					Same as above Auger Cutti				Auger Cutting Dry	
	S1	6 - 5	SM	BKG	Brown medium - fine SAND, trace Silt Rec=2.0'				Rec=2.0'	
8.0		4 - 5						· · ·		
9,0										
10.0							+29-22	***************************************		
11.0	S2		SM	BKG	Gray medii	ım - fine SA	ND, and Sil	•	Rec=2.0' WET	
12.0		2 - 5		-21/0423BW-04-11-1	-					
13.0								· · · ·		
14.0										
15.0										
16.0 17.0	S 3	WHR - 4 4 - 8	SM	1.0PPM	Same as at	oove; gray c	olor change		Rec=2.0' WET	
18.0		U								
19.0							or - 1			
20.0										

	EASTER! OLOGIES		ENTAL	TEST BORING LOG	BORING NO. TI	33 (MW3)
PROJ	ECT:Sta	ar Plaza W	estern	Ave. Guilderland, NY Site	SHEET NO.2 O	F 2
CLIEN	IT: Star	Plaza Inc.			JOB NO.98.010	0134
DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE SPOOI PER 6" INTERVAL	UNIFIED NCLASS.	GEOLOGIC DESC	RIPTION	REMARKS
21.0	S7	9 - 13	SM	Gray CLAYEY SILT,trace	e fine Sand;	Rec= 2.00' WET
		17- 22				Hnu=BKG
25.0						
	S8	8 - 8	ѕм	Same as above;		Rec=2.0' WET
		8 - 4				Hnu=BKG
						`
30.0						
				Complete Boring @ 27'		
			-			
35.0						
40.0						
				MONITORING WELL CO PVC WELL SCREEN 12. MORIE #1 SAND - 7.0 - BENTONITE SEAL - 3.0 CEMENT GROUT - 0.0 - MANHOLE COVER INST	0 - 22.0' 27.0' - 7.0' 3.0'	
45.0						

Mr. Chuck Cronin February 19, 1998

Appendix C Laboratory Reports

UST AREA #1



Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803 Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803 Phone: 518/747-1060 Fax: 518/747-1062

CLIENT: Northeastern Environemental Technologies

SAMPLE DESCRIPTION: TB1 (Star Site)

LOCATION: Star Plaz Site

H.E.S. #: 980121B01

DATE SAMPLED: 01/20/98

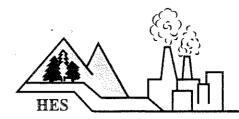
DATE SAMPLE RECD: 01/21/98

MATRIX: Groundwater

TYPE SAMPLE: Composite

<u>SAMPLER:</u> Client

PARAMETER	METHOD	RESULT	UNITS	TEST DATE
MTBE	SW846-8021	<0.5	ug/l	01/24/98
Benzene	SW846-8021	<0.5	ug/l	01/24/98
Toluene	SW846-8021	<0.5	ug/l	01/24/98
Ethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
m-Xylene/p-Xylene	SW846-8021	<0.5	ug/l	01/24/98
o-Xylene	SW846-8021	<0.5	ug/l	01/24/98
Isopropylbenzene	SW846-8021	<0.5	ug/1	01/24/98
n-Propylbenzene	SW846-8021	<0.5	ug/l	01/24/98
1,3,5-Trimethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
tert-Butylbenzene	SW846-8021	<0.5	ug/1	01/24/98
1,2,4-Trimethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
sec-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
p-Isopropyltoluene	SW846-8021	<0.5	ug/l	01/24/98
n-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
ii-Bucy ibelizerie				
Naphthalene	SW846-8270	<10	ug/1	01/26/98
Acenaphthene	SW846-8270	<10	ug/l	01/26/98
Fluorene	SW846-8270	<10	ug/l	01/26/98
Phenanthrene	SW846-8270	<10	ug/1	01/26/98
Anthracene	SW846-8270	<10	ug/l	01/26/98
Fluoranthene	SW846-8270	<10	ug/1	01/26/98
Pyrene	SW846-8270	<10	ug/l	01/26/98
Benzo(a)anthracene	SW846-8270	<10	ug/l	01/26/98
Chrysene	SW846-8270	<10	ug/l	01/26/98
Benzo(b) fluoranthene	SW846-8270	<10	ug/l	01/26/98
Benzo(k) fluoranthene	SW846-8270	<10	ug/l	01/26/98
Benzo(a) pyrene	SW846-8270	<10	ug/l	01/26/98
Indeno(1,2,3-cd)pyrene	SW846-8270	<10	ug/1	01/26/98
Dibenz (a, h) anthracene	SW846-8270	<10	ug/l	01/26/98
Benzo(g,h,i)perylene	SW846-8270	<10	ug/1	01/26/98
Dettro (A'tt' TI ber I reme				



Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803 Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803 Phone: 518/747-1060 Fax: 518/747-1062

<u>CLIENT:</u> Northeastern Environemental Technologies

DATE SAMPLED: 01/20/98

SAMPLE DESCRIPTION: TB2 (Star Site)

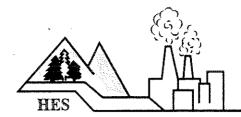
DATE SAMPLE RECD: 01/21/98

MATRIX: Groundwater

<u>LOCATION:</u> Star Plaz Site <u>TYPE SAMPLE:</u> Composite

<u>H.E.S. #:</u> 980121B02 <u>SAMPLER:</u> Client

PARAMETER	<u>METHOD</u>	RESULT	<u>UNITS</u>	TEST DATE
MTBE	SW846-8021	<0.5	ug/l	01/24/98
Benzene	SW846-8021	<0.5	ug/l	01/24/98
Toluene	SW846-8021	<0.5	ug/l	01/24/98
Ethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
m-Xylene/p-Xylene	SW846-8021	<0.5	ug/l	01/24/98
o-Xylene	SW846-8021	<0.5	ug/l	01/24/98
Isopropylbenzene	SW846-8021	<0.5	ug/l	01/24/98
n-Propylbenzene	SW846-8021	<0.5	ug/l	01/24/98
1,3,5-Trimethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
tert-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
1,2,4-Trimethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
sec-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
p-Isopropyltoluene	SW846-8021	<0.5	ug/l	01/24/98
n-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
Naphthalene	SW846-8270	<10	ug/l	01/26/98
Acenaphthene	SW846-8270	<10	ug/l	01/26/98
Fluorene	SW846-8270	<10	ug/l	01/26/98
Phenanthrene	SW846-8270	<10	ug/l	01/26/98
Anthracene	SW846~8270	<10	ug/l	01/26/98
Fluoranthene	SW846-8270	<10	ug/l	01/26/98
Pyrene	SW846-8270	<10	ug/l	01/26/98
Benzo(a)anthracene	SW846-8270	<10	ug/l	01/26/98
Chrysene	SW846-8270	<10	ug/l	01/26/98
Benzo(b)fluoranthene	SW846-8270	<10	ug/l	01/26/98
Benzo(k) fluoranthene	SW846-8270	<10	ug/l	01/26/98
Benzo(a)pyrene	SW846-8270	<10	ug/l	01/26/98
Indeno(1,2,3-cd)pyrene	SW846-8270	<10	ug/l	01/26/98
Dibenz(a,h)anthracene	SW846-8270	<10	ug/l	01/26/98
Benzo(g,h,i)perylene	SW846-8270	<10	ug/l	01/26/98



Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803 Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803 Phone: 518/747-1060 Fax: 518/747-1062

<u>CLIENT: Northeastern Environemental Technologies</u>

DATE SAMPLED: 01/20/98

SAMPLE DESCRIPTION: TB3 (Star Site)

DATE SAMPLE RECD: 01/21/98

MATRIX: Groundwater

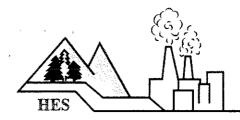
TYPE SAMPLE: Composite

<u>H.E.S. #:</u> 980121B03

LOCATION: Star Plaz Site

SAMPLER: Client

PARAMETER	<u>METHOD</u>	RESULT	<u>UNITS</u>	TEST DATE
MTBE	SW846-8021	<0.5	ug/l	01/24/98
Benzene	SW846-8021	<0.5	ug/l	01/24/98
Toluene	SW846-8021	<0.5	ug/l	01/24/98
Ethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
m-Xylene/p-Xylene	SW846-8021	<0.5	ug/l	01/24/98
o-Xylene	SW846-8021	<0.5	ug/l	01/24/98
Isopropylbenzene	SW846-8021	<0.5	ug/l	01/24/98
n-Propylbenzene	SW846-8021	<0.5	ug/l	01/24/98
1,3,5-Trimethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
tert-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
1,2,4-Trimethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
sec-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
p-Isopropyltoluene	SW846-8021	<0.5	ug/l	01/24/98
n-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
Naphthalene	SW846-8270	<10	ug/l	01/26/98
Acenaphthene	SW846-8270	<10	ug/l	01/26/98
Fluorene	SW846-8270	<10	ug/l	01/26/98
Phenanthrene	SW846-8270	<10	ug/l	01/26/98
Anthracene	SW846-8270	<10	ug/l	01/26/98
Fluoranthene	SW846-8270	<10	ug/l	01/26/98
Pyrene	SW846-8270	<10	ug/l	01/26/98
Benzo(a)anthracene	SW846-8270	<10	ug/l	01/26/98
Chrysene	SW846-8270	<10	ug/l	01/26/98
Benzo(b) fluoranthene	SW846-8270	<10	ug/l	01/26/98
Benzo(k) fluoranthene	SW846-8270	<10	ug/l	01/26/98
Benzo(a)pyrene	SW846-8270	<10	ug/l	01/26/98
Indeno(1,2,3-cd)pyrene	SW846-8270	<10	ug/l	01/26/98
Dibenz(a,h)anthracene	SW846-8270	<10	ug/l	01/26/98
Benzo(g,h,i)perylene	SW846-8270	<10	ug/l	01/26/98



Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803 Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803 Phone: 518/747-1060 Fax: 518/747-1062

<u>CLIENT:</u> Northeastern Environemental Technologies

DATE SAMPLED: 01/20/98

SAMPLE DESCRIPTION: TB4 (Star Site)

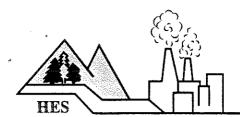
DATE SAMPLE RECD: 01/21/98

MATRIX: Groundwater

<u>LOCATION:</u> Star Plaz Site <u>TYPE SAMPLE:</u> Composite

<u>H.E.S. #:</u> 980121B04 <u>SAMPLER:</u> Client

PARAMETER	METHOD	RESULT	<u>UNITS</u>	TEST DATE
MTBE	SW846-8021	<0.5	ug/l	01/24/98
Benzene	SW846-8021	<0.5	ug/l	01/24/98
Toluene	SW846-8021	<0.5	ug/l	01/24/98
Ethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
m-Xylene/p-Xylene	SW846-8021	<0.5	ug/l	01/24/98
o-Xylene	SW846-8021	< 0.75	ug/l	01/24/98
Isopropylbenzene	SW846-8021	<0.5	ug/l	01/24/98
n-Propylbenzene	SW846-8021	. <0.5	ug/l	01/24/98
1,3,5-Trimethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
tert-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
1,2,4-Trimethylbenzene	SW846-8021	<0.5	ug/l	01/24/98
sec-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
p-Isopropyltoluene	SW846-8021	<0.5	ug/l	01/24/98
n-Butylbenzene	SW846-8021	<0.5	ug/l	01/24/98
Naphthalene	SW846-8270	<10	ug/l	01/26/98
Acenaphthene	SW846-8270	<10	ug/l	01/26/98
Fluorene	SW846-8270	<10	ug/l	01/26/98
Phenanthrene	SW846-8270	<10	ug/l	01/26/98
Anthracene	SW846-8270	<10	ug/l	01/26/98
Fluoranthene	SW846-8270	<10	ug/l	01/26/98
Pyrene	SW846-8270	<10	ug/l	01/26/98
Benzo(a)anthracene	SW846-8270	<10	ug/l	01/26/98
Chrysene	SW846-8270	<10	ug/l	01/26/98
Benzo(b) fluoranthene	SW846-8270	<10	ug/l	01/26/98
Benzo(k)fluoranthene	SW846-8270	<10	ug/l	01/26/98
Benzo(a)pyrene	SW846-8270	<10	ug/l	01/26/98
Indeno(1,2,3-cd)pyrene	SW846-8270	<10	ug/l	01/26/98
Dibenz(a,h)anthracene	SW846-8270	<10	ug/l	01/26/98
Benzo(g,h,i)perylene	SW846-8270	<10	ug/l	01/26/98



Mail: 22 Hudson Falls Rd., So. Glens Falls, NY 12803 Delivery: 211 Ferry Blvd., So. Glens Falls, NY 12803 Phone: 518/747-1060 Fax: 518/747-1062

1 Mond. 5101717 1000 1 a.k. 5107717 1002

CLIENT: Northeastern Environmental Technologies

SAMPLE DESCRIPTION: See Below

LOCATION: Star Plaz Site

H.E.S. #: See Below

DATE SAMPLED: 01/20/98

DATE SAMPLE RECD: 01/21/98

MATRIX: Soil

TYPE SAMPLE: Composite

SAMPLER: Client

PARAMETER: TOTAL PETROLEUM HYDROCARBONS

METHOD: SW846-8015 MODIFIED

HES #	SAMPLE DESCRIPTION	RESULT	<u>UNITS</u>	TEST DATE
980121B05	TB-1	<5.0	mg/kg	01/30/98
980121B06	TB-2	<5.0	mg/kg	01/30/98
980121B07	TB-3	<5.0	mg/kg	01/30/98
980121B08	TB-4	<5.0	mg/kg	01/30/98

Approval By: MLHough

Date: 2-2-98

All samples were analyzed within EPA prescribed holding times.

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

527 Queensbury Ave., P.O. Box 4601

CHAIN OF CUSTODY RECORD/

Lab Work Request

Queensbury, New York 12804 518/792-3863

HES

P.O, Box 216

Use Only

F.O. 60x 2160	WALTH NY 17070		1)376-668(85)		ANALYSIS REQUIRED	(27/8/12/0X				->	-MODIFIED TPH		8021 STANS	STATE STATES
Mail Address -		•	Phone #		SAMPLE TYPE C=Composite G=Grab MATERY C	> ×			2	4 6 3	力 1 1 1 1 1 1		S X 2	S X
		2 GRIDLEY 2 SON			Date A=a.m. Collected P=p.m.		┷	4	∀ d	< a		∢ ₫	1 14 98 A	
	Slient Contact/Person # ユ・いパー	J.	USE PROJECT A	W. fROWLEY	Sample ID / Description	(7-1'> bar>) XL		70	(183	T164 V	TR12,334 (STM SHI)		GOS UST PIT (GRIDEY) 11/14/18	DIESEL FLEL UST AT (Bulley) &
Slient NETC	Client Contact/Pe	Project Location	- Ogen Eedanen - Purchase Order	HES Contact —	HES Use Only Lab ID	Troisia.	78/000	80°Z	803	308	STATES TO STATES		9	(saved

z

Properly Preserved NOTES: (Y)

5. Received Within Holding Times

V NOTES:

eaking (Improperly

Z

€OTES:

() Scaled)

3. Received Broken/

2. Ambient or Chilled NOTES:

Samples Were: Shipped or Hand Delivered NOTES:

)			
Sampled by: (Signature)	Date/Time 415	Received by: (Signature)	Date Time 1048
Relinguished by (Signaure)	Date/Time	Received by (81gnature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Dispatched by: (Signature)	Method of Shipment:	hipment: HES P/U	. Date/Time
Received @ Laboratory:	Date Time 1130	Turnaround Time: Novemac	Lab Approval:

COC Record Was:

1. Present upon Receipt of Samples (Y) N

z

Unbroken on Outer Package Y /

COC Tape Was:

1. Present on Outer
Package Y

z

Present on Sample

4. Unbroken on Sample NOTES, Y N

Special Instructions: CAI ME REENTOING THE

KILING FOR GRIDLEY

DS - Drum Solids DL - Drum Liquids X - Other WW - Waste Water

SW - Surface Water L - Leachate A - Air WI - Wipe

SL - Sludge O - Oil DW - Drinking Water GW - Ground Water

Matrix S - Soil SE - Sediment SO - Solid

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Impressive Imprints - 518-792-4221

3

NOTES:

Discrepancies Between Sample Labels and COC Record?

Mr. Chuck Cronin February 19, 1998

LEACH FIELD AREA #2

Upstate Laboratories inc.

Shipping: 6034 Corporate Dr. • E. Syracuse, NY 13057-1017 • (315) 437-0255 • Fax (315) 437-1209

Mailing: Box 289 • Syracuse, NY 13206

Buffalo (716) 649-2533 Rochester (716) 436-9070

Albany (518) 459-3134 Binghamton (607) 724-0478

February 16, 1998 New Jerse

New Jersey (201) 703-1324

Mr. Jeff Wink Northeastern Env. Technologies P.O. Box 2167 Ballston Spa, NY 12020

Re: Analysis Report #03398020 - Star Plaza

Dear Mr. Wink:

Please find enclosed the results for your samples which were received on January 30, 1998.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your sample. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

thony S. Scala

Anthony J. Scala

Director

AJS/jd

Enclosures: report, invoice

cc/encs: N. Scala, ULI

file

Note: Faxed results were given to your office on 2/16/98. AJS

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

NY Lab ID 10170

NJ Lab ID 73750

PA Lab ID 68375

Upstate Laboratories, Inc.

Analysis Results

Report Number: 03398020

Client I.D.: NORTHEASTERN ENV. TECHNOLOGIES STAR PLAZA

TB-1 1156H 01/30/98 C Sampled by: Client

APPROVAL: (Lab I.D.: 10170

Sampled by: Cilent	1B-1 113011 01/30/30 C		
	Matrix: Water		
PARAMETERS	RESULTS	KEY	FILE#
EPA Method 8021			
Dichlorodifluoromethane	<0.5ug/l		VA3382
Chloromethane	<0.5ug/l		VA3382
Vinyl Chloride	<0.5ug/l		VA3382
Bromomethane	<0.5ug/l		VA3382
Chloroethane	<0.5ug/l		VA3382
Trichlorofluoromethane	<0.5ug/l		VA3382
1,1-Dichloroethene	<0.5ug/l		VA3382
Methylene Chloride	<0.5ug/l		VA3382
trans-1,2-Dichloroethene	<0.5ug/l		VA3382
1,1-Dichloroethane	<0.5ug/l		VA3382
2,2-Dichloropropane	<0.5ug/1		VA3382
cis-1,2-Dichloroethene	<0.5ug/l		VA3382
Chloroform	<0.5ug/l		VA3382
Bromochloromethane	<0.5ug/l		VA3382
1,1,1-Trichloroethane	<0.5ug/l		VA3382
1,1-Dichloropropene	<0.5ug/l		VA3382
Carbon Tetrachloride	<0.5ug/l		VA3382
1,2-Dichloroethane	<0.5ug/l		VA3382
Trichloroethene	<0.5ug/l		VA3382
1,2-Dichloropropane	<0.5ug/l		VA3382
Bromodichloromethane	<0.5ug/l		VA3382
Dibromomethane	<0.5ug/l		VA3382
cis-1,3-Dichloropropene	<0.5ug/l		VA3382
trans-1,3-Dichloropropene	<0.5ug/l		VA3382
1,1,2-Trichloroethane	<0.5ug/l		VA3382
Tetrachloroethene	<0.5ug/l		VA3382
1,3-Dichloropropane	<0.5ug/l		VA3382
Dibromochloromethane	<0.5ug/l		VA3382
1,2-Dibromoethane	<0.5ug/l		VA3382
1,1,1,2-Tetrachloroethane	<0.5ug/l		VA3382
Bromoform	<0.5ug/l		VA3382
1,1,2,2-Tetrachloroethane	<0.5ug/l		VA3382
1,2,3-Trichloropropane	<0.5ug/l		VA3382
1,2-Dibromo-3-chloropropan	e <0.5ug/l		VA3382
Benzene	<0.5ug/l		VA3382
Toluene	lug/l		VA3382
Chlorobenzene	<0.5ug/l		VA3382
Ethylbenzene	<0.5ug/l		VA3382
	- -		

Upstate Laboratories, Inc.

Analysis Results

Report Number: 03398020

Client I.D.: NORTHEASTERN ENV. TECHNOLOGIES STAR PLAZA

TB-1 1156H 01/30/98 C Sampled by: Client

APPROVAL: Q)S_ QC:_EU____

ULI I.D.: 03398020	Matrix: Water		
PARAMETERS	RESULTS	KEY	FILE#
m-Xylene and p-Xylene	0.6ug/l		VA3382
o-Xylene	<0.5ug/l		VA3382
Styrene	<0.5ug/l		VA3382
Isopropylbenzene	<0.5ug/l		VA3382
n-Propylbenzene	<0.5ug/l		VA3382
Bromobenzene	<0.5ug/l		VA3382
1,3,5-Trimethylbenzene	<0.5ug/l		VA3382
2-Chlorotoluene	<0.5ug/l		VA3382
4-Chlorotoluene	<0.5ug/l		VA3382
tert-Butylbenzene	<0.5ug/l		VA3382
1,2,4-Trimethylbenzene	<0.5ug/l		VA3382
sec-Butylbenzene	<0.5ug/l		VA3382
4-Isopropyltoluene	<0.5ug/l		VA3382
1,3-Dichlorobenzene	<0.5ug/l		VA3382
1,4-Dichlorobenzene	<0.5ug/l		VA3382
n-Butylbenzene	<0.5ug/l		VA3382
1,2-Dichlorobenzene	<0.5ug/l		VA3382
1,2,4-Trichlorobenzene	<0.5ug/l		VA3382
Hexachlorobutadiene	<0.5ug/l		VA3382
Naphthalene	<0.5ug/l		VA3382
1,2,3-Trichlorobenzene	<0.5ug/l		VA3382

Upstate Laboratories, Inc.

Analysis Results

Report Number: 03398020

Client I.D.: NORTHEASTERN ENV. TECHNOLOGIES STAR PLAZA

Sampled by: Client TB-2 1131H 01/30/98 C

UT.T T.D.: 03398021 Matrix: Water

ULI I.D.: 03398021	Matrix: Water		
PARAMETERS	RESULTS	KEY	FILE#
EPA Method 8021			
Dichlorodifluoromethane	<0.5ug/l		VA3385
Chloromethane	<0.5ug/l		VA3385
Vinyl Chloride	<0.5ug/l		VA3385
Bromomethane	<0.5ug/l		VA3385
Chloroethane	<0.5ug/l		VA3385
Trichlorofluoromethane	<0.5ug/l		VA3385
1,1-Dichloroethene	<0.5ug/l		VA3385
Methylene Chloride	<0.5ug/l		VA3385
trans-1,2-Dichloroethene	<0.5ug/l		VA3385
1,1-Dichloroethane	<0.5ug/l		VA3385
2,2-Dichloropropane	<0.5ug/l		VA3385
cis-1,2-Dichloroethene	<0.5ug/l		VA3385
Chloroform	<0.5ug/l		VA3385
Bromochloromethane	<0.5ug/l		VA3385
1,1,1-Trichloroethane	<0.5ug/l		VA3385
1,1-Dichloropropene	<0.5ug/l		VA3385
Carbon Tetrachloride	<0.5ug/l		VA3385
1,2-Dichloroethane	<0.5ug/l		VA3385
Trichloroethene	<0.5ug/l		VA3385
1,2-Dichloropropane	<0.5ug/l		VA3385
Bromodichloromethane	<0.5ug/l		VA3385
Dibromomethane	<0.5ug/l		VA3385
cis-1,3-Dichloropropene	<0.5ug/l		VA3385
trans-1,3-Dichloropropene	<0.5ug/l		VA3385
1,1,2-Trichloroethane	<0.5ug/l		VA3385
Tetrachloroethene	<0.5ug/l		VA3385
1,3-Dichloropropane	<0.5ug/l		VA3385
Dibromochloromethane	<0.5ug/l		VA3385
1,2-Dibromoethane	<0.5ug/l		VA3385
1,1,1,2-Tetrachloroethane	<0.5ug/l		VA3385
Bromoform	<0.5ug/l		VA3385
1,1,2,2-Tetrachloroethane	<0.5ug/l		VA3385
1,2,3-Trichloropropane	<0.5ug/l		VA3385
1,2-Dibromo-3-chloropropane	<0.5ug/l		VA3385
Benzene	<0.5ug/l		VA3385
Toluene	3ug/1		VA3385
Chlorobenzene	<0.5ug/1		VA3385
Ethylbenzene	<0.5ug/l		VA3385

APPROVAL: (
QC: EO

Upstate Laboratories, Inc.

Analysis Results

Report Number: 03398020

Client I.D.: NORTHEASTERN ENV. TECHNOLOGIES STAR PLAZA

Sampled by: Client TB-2 1131H 01/30/98 C

ULI I.D.: 03398021 Matrix: Water

PARAMETERS	RESULTS	KEY	FILE#
	0 0 /3		
m-Xylene and p-Xylene	0.9ug/1		VA3385
o-Xylene	<0.5ug/l		VA3385
Styrene	<0.5ug/l		VA3385
Isopropylbenzene	<0.5ug/l		VA3385
n-Propylbenzene	<0.5ug/l		VA3385
Bromobenzene	<0.5ug/l		VA3385
1,3,5-Trimethylbenzene	<0.5ug/l		VA3385
2-Chlorotoluene	<0.5ug/l		VA3385
4-Chlorotoluene	<0.5ug/l		VA3385
tert-Butylbenzene	<0.5ug/l		VA3385
1,2,4-Trimethylbenzene	<0.5ug/l		VA3385
sec-Butylbenzene	<0.5ug/l		VA3385
4-Isopropyltoluene	<0.5ug/l		VA3385
1,3-Dichlorobenzene	<0.5ug/l		VA3385
1,4-Dichlorobenzene	<0.5ug/l		VA3385
n-Butylbenzene	<0.5ug/l		VA3385
1,2-Dichlorobenzene	<0.5ug/l		VA3385
1,2,4-Trichlorobenzene	<0.5ug/l		VA3385
Hexachlorobutadiene	<0.5ug/l		VA3385
Naphthalene	<0.5ug/l		VA3385
1,2,3-Trichlorobenzene	<0.5ug/l		VA3385

Upstate Laboratories, Inc.

Analysis Results

Report Number: 03398020

Client I.D.: NORTHEASTERN ENV. TECHNOLOGIES STAR PLAZA

Sampled by: Client TB-3 1057H 01/30/98 C

APPROVAL: QC: P Lab I.D.: 10170

by: Client	TB-3 1057H 01/30/98 C		
ULI I.D.: 03398022	Matrix: Water		
PARAMETERS	RESULTS	KEY	FILE#
		Mile Nati Ade	
EPA Method 8021			
Dichlorodifluoromethane	<0.5ug/l		VA3385
Chloromethane	<0.5ug/l		VA3385
Vinyl Chloride	<0.5ug/l		VA3385
Bromomethane	<0.5ug/l		VA3385
Chloroethane	<0.5ug/l		VA3385
Trichlorofluoromethane	<0.5ug/1		VA3385
1,1-Dichloroethene	<0.5ug/l		VA3385
Methylene Chloride	<0.5ug/1		VA3385
trans-1,2-Dichloroethene	<0.5ug/l		VA3385
1,1-Dichloroethane	<0.5ug/l		VA3385
2,2-Dichloropropane	<0.5ug/l		VA3385
cis-1,2-Dichloroethene	<0.5ug/l		VA3385
Chloroform	<0.5ug/1		VA3385
Bromochloromethane	<0.5ug/l		VA3385
1,1,1-Trichloroethane	<0.5ug/l		VA3385
1,1-Dichloropropene	<0.5ug/l		VA3385
Carbon Tetrachloride	< 0.5 ug/1		VA3385
1,2-Dichloroethane	<0.5ug/l		VA3385
Trichloroethene	<0.5ug/l		VA3385
1,2-Dichloropropane	<0.5ug/l		VA3385
Bromodichloromethane	<0.5ug/l		VA3385
Dibromomethane	<0.5ug/l		VA3385
cis-1,3-Dichloropropene	<0.5ug/l		VA3385
trans-1,3-Dichloropropene	<0.5ug/l		VA3385
1,1,2-Trichloroethane	<0.5ug $/1$		VA3385
Tetrachloroethene	<0.5ug/l		VA3385
1,3-Dichloropropane	<0.5ug/l		VA3385
Dibromochloromethane	<0.5ug/l		VA3385
1,2-Dibromoethane	<0.5ug/l		VA3385
1,1,1,2-Tetrachloroethane	<0.5ug/l		VA3385
Bromoform	<0.5ug/l		VA3385
1,1,2,2-Tetrachloroethane	<0.5ug $/1$		VA3385
1,2,3-Trichloropropane	<0.5ug/l		VA3385
1,2-Dibromo-3-chloropropane	<0.5ug/l		VA3385
Benzene	<0.5ug/l		VA3385
Toluene	0.6ug/l		VA3385
Chlorobenzene	<0.5ug/l		VA3385
Ethylbenzene	< 0.5 ug/l		VA3385

Upstate Laboratories, Inc.

Analysis Results

Report Number: 03398020

Client I.D.: NORTHEASTERN ENV. TECHNOLOGIES STAR PLAZA

Sampled by: Client TB-3 1057H 01/30/98 C

ULI I.D.: 03398022 Matrix: Water

PARAMETERS	RESULTS	KEY	FILE#
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			
m-Xylene and p-Xylene	<0.5ug/l		VA3385
o-Xylene	<0.5ug/l		VA3385
Styrene	<0.5ug/l		VA3385
Isopropylbenzene	<0.5ug/l		VA3385
n-Propylbenzene	<0.5ug/l		VA3385
Bromobenzene	<0.5ug/l		VA3385
1,3,5-Trimethylbenzene	<0.5ug/l		VA3385
2-Chlorotoluene	<0.5ug/l		VA3385
4-Chlorotoluene	<0.5ug/l		VA3385
tert-Butylbenzene	<0.5ug/l		VA3385
1,2,4-Trimethylbenzene	<0.5ug/l		VA3385
sec-Butylbenzene	<0.5ug/l		VA3385
4-Isopropyltoluene	<0.5ug/l		VA3385
1,3-Dichlorobenzene	<0.5ug/l		VA3385
1,4-Dichlorobenzene	<0.5ug/l		VA3385
n-Butylbenzene	<0.5ug/l		VA3385
1,2-Dichlorobenzene	<0.5ug/l		VA3385
1,2,4-Trichlorobenzene	<0.5ug/l		VA3385
Hexachlorobutadiene	<0.5ug/l		VA3385
Naphthalene	<0.5ug/1		VA3385
1,2,3-Trichlorobenzene	<0.5ug/1		VA3385

APPROVAL:

Upstate Laboratories, Inc.

Analysis Results

Report Number: 03398020

Client I.D.: NORTHEASTERN ENV. TECHNOLOGIES STAR PLAZA

Sampled by: Client ULI TRIP BLANK 01/30/98

ULI I.D.: 03398023 Matrix: Water

ŪLĪ Ī.	D.: 03398023	Matrix: Water		
PARAME	TERS	RESULTS	KEY	FILE#
EPA :	Method 8021			
Di	chlorodifluoromethane	<0.5ug/l		VA3385
Ch	loromethane	<0.5ug/l		VA3385
Vi	nyl Chloride	<0.5ug/l		VA3385
Br	omomethane	<0.5ug/l		VA3385
Ch	loroethane	<0.5ug/l		VA3385
Tr	ichlorofluoromethane	<0.5ug/l		VA3385
_ •	1-Dichloroethene	<0.5ug/l		VA3385
Me	thylene Chloride	<0.5ug/l		VA3385
tr	ans-1,2-Dichloroethene	<0.5ug/l		VA3385
1,	1-Dichloroethane	<0.5ug/l		VA3385
2,	2-Dichloropropane	<0.5ug/l		VA3385
ci	s-1,2-Dichloroethene	< 0.5 ug/l		VA3385
Ch	loroform	<0.5ug/l		VA3385
Br	omochloromethane	<0.5ug/l		VA3385
1,	1,1-Trichloroethane	<0.5ug/l		VA3385
	1-Dichloropropene	<0.5ug/l		VA3385
Ca	rbon Tetrachloride	<0.5ug/l		VA3385
1,	2-Dichloroethane	<0.5ug/l		VA3385
	ichloroethene	<0.5ug/l	•	VA3385
	2-Dichloropropane	<0.5ug/l		VA3385
Br	omodichloromethane	<0.5ug/l		VA3385
Di	bromomethane	<0.5ug/l		VA3385
ci	s-1,3-Dichloropropene	<0.5ug/l		VA3385
tr	ans-1,3-Dichloropropene	<0.5 ug/1		VA3385
1,	1,2-Trichloroethane	<0.5ug/l		VA3385
Te	trachloroethene	<0.5ug/l		VA3385
1,	3-Dichloropropane	<0.5ug/l		VA3385
Di	bromochloromethane	<0.5ug/l		VA3385
1,	2-Dibromoethane	<0.5ug/l		VA3385
1,	1,1,2-Tetrachloroethane	<0.5ug/l		VA3385
Br	omoform	<0.5ug/l		VA3385
1,	1,2,2-Tetrachloroethane	<0.5ug/l		VA3385
	2,3-Trichloropropane	<0.5ug/l		VA3385
1,	2-Dibromo-3-chloropropane	<0.5ug/l		VA3385
Вe	nzene	<0.5ug/l		VA3385
To	luene	<0.5ug/l		VA3385
Ch	lorobenzene	<0.5ug/l		VA3385
Et	hylbenzene	<0.5 ug /1		VA3385

APPROVAL: (

Upstate Laboratories, Inc.

Analysis Results

Report Number: 03398020

Client I.D.: NORTHEASTERN ENV. TECHNOLOGIES STAR PLAZA

Sampled by: Client

ULI TRIP BLANK 01/30/98

ULI I.D.: 03398023	Matrix:	Water
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PARAMETERS	RESULTS	KEY	FILE#
		~ ~ ~	
m-Xylene and p-Xylene	< 0.5 ug/1		VA3385
o-Xylene	<0.5ug/l		VA3385
Styrene	<0.5ug/l		VA3385
Isopropylbenzene	<0.5ug/l		VA3385
n-Propylbenzene	<0.5ug/l		VA3385
Bromobenzene	<0.5ug/l		VA3385
1,3,5-Trimethylbenzene	<0.5ug/l		VA3385
2-Chlorotoluene	<0.5ug/l		VA3385
4-Chlorotoluene	<0.5ug/l		VA3385
tert-Butylbenzene	<0.5ug/l		VA3385
1,2,4-Trimethylbenzene	<0.5ug/l		VA3385
sec-Butylbenzene	<0.5ug/l		VA3385
4-Isopropyltoluene	<0.5ug/l		VA3385
1,3-Dichlorobenzene	<0.5ug/l		VA3385
1,4-Dichlorobenzene	<0.5ug/l		VA3385
n-Butylbenzene	<0.5ug/l		VA3385
1,2-Dichlorobenzene	<0.5ug/l		VA3385
1,2,4-Trichlorobenzene	<0.5ug/l		VA3385
Hexachlorobutadiene	<0.5ug/l		VA3385
Naphthalene	<0.5ug/l		VA3385
1,2,3-Trichlorobenzene	<0.5ug/l		VA3385

Distate Laboratories, Inc. 6034 Corporate Drive • E. Syracuse, NY 13057-1017 (315) 437 0255

Chain Of Custody Record

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Syracuse

Rochester

Buffalo

Albany

Binghamton

Fair Lawn (NJ)