DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

RCRA Corrective Action
Environmental Indicator (EI) RCRAInfo code (CA725)
Current Human Exposures Under Control

Facility Name: **Industrial Environmental Systems Inc.**
Facility Address: **Old Kings Highway, Saugerties, NY**
Facility EPA ID #: **NYD000707885**

BACKGROUND

Definition of Environmental Indicators (for the RCRA Corrective Action)

Environmental Indicators (EIs) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EIs developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

Definition of "Current Human Exposures Under Control" EI

A positive "Current Human Exposures Under Control" EI determination ("YE" status code) indicates that there are no "unacceptable" human exposures to "contamination" (i.e., contaminants in concentrations in excess of appropriate risk-based levels) that can be reasonably expected under current land- and groundwater-use conditions (for all "contamination" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

Relationship of EI to Final Remedies

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EIs are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The "Current Human Exposures Under Control" EI are for reasonably expected human exposures under current land- and groundwater-use conditions ONLY, and do not consider potential future land- or groundwater-use conditions or ecological receptors. The RCRA Corrective Action program's overall mission to protect human health and the environment requires that Final remedies address these issues (i.e., potential future human exposure scenarios, future land and groundwater uses, and ecological receptors).

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRAInfo national database ONLY as long as they remain true (i.e., RCRAInfo status codes must be changed when the regulatory authorities become aware of contrary information).

1. Has **all** available relevant/significant information on known and reasonably suspected releases to soil, groundwater, surface water/sediments, and air, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been **considered** in this EI determination?

   __X__ If yes - check here and continue with #2 below.

   ____ If no - re-evaluate existing data, or

   _____ If data is not available skip to #6 and enter "IN" (more information needed) status code.

Background:

The Industrial Environmental Systems, Inc. facility stored and blended industrial waste solvents used as a fuel at the Northeast Solite Corporation rotary kilns from 1976 to the early 1980s. The Industrial Environmental Systems, Inc. facility is located entirely within the property of the Northeast Solite Corporation, which is currently a lightweight aggregate manufacturing plant (figure 1). The facility utilized nine (9) above ground storage tanks (ASTs) to blend, isolate, and transfer hazardous waste derived fuel to the Northeast Solite rotary kilns. The NYSDEC determined that the facility's use and storage of spent solvents constituted the operation of a hazardous waste storage site requiring a permit in 1981 and an Order on Consent was subsequently signed. As a result of signing the Order on Consent, Industrial Environmental Systems, temporarily ceased its hazardous waste storage operations and was required to conduct a subsurface investigation.

The facility was issued a Summary Abatement Order in 1982 by the NYSDEC due to polychlorinated biphenyl (PCB) contamination in the waste solvents. Thereafter, enforcement and permit revocation proceedings began against Industrial Environmental Systems.

Numerous investigations were conducted in the 1980s as part of the Order on Consent. On-site shallow overburden soils and shallow groundwater monitoring wells showed contamination of Volatile Organic Compounds (VOCs) and PCBs related to spills in the immediate vicinity of the tank farm. Seepage from a bedrock face north of the tank farm was also observed. Sampling locations are shown on Figure 2. Prior to the implementation of the closure plan, initial concentrations of VOCs, including acetone (590 parts per billion (ppb)), methyl ethyl ketone (450 ppb), methyl isobutyl ketone (470 ppb), 1,1,1-trichloroethane (710 ppb), 1,1,2-trichloroethane (82 ppb), trans-1,2-dichloroethene (118 ppb), xylene (580 ppb), toluene (500 ppb), benzene (46 ppb), and ethylbenzene (16 ppb) were detected above standards in groundwater (Table 1). However, low level organic contamination and improving conditions at the facility were observed during the facility monitoring program conducted between 1983 and 1987 following implementation of the RCRA closure plan. In addition, data collected during a 2004 investigation at the facility indicated that underlying soils and groundwater are not significantly impacted (See Tables 2-8). Sampling locations are shown on Figure 3.

2. Are groundwater, soil, surface water, sediments, or air **media** known or reasonably suspected to

be **"contaminated"**[1] above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action (from SWMUs, RUs or AOCs)?

	YES	NO	?	Rationale/Key Contaminants
Groundwater	X			Acetone, methyl ethyl ketone, methyl isobutyl ketone, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trans-1,2-dichloroethene, xylene, toluene, benzene, ethylbenzene
Air (indoors)[2]		X		
Surface Soil (e.g., <2 ft)		X		
Surface Water		X		
Sediment		X		
Subsurface Soil (e.g., >2 ft)	X			benzene, 1,2-dichloroethane, 1,1,1-trichloroethane, ethylbenzene, tetrachloroethene, toluene, trichloroethene, xylene
Air (outdoors)		X		

_____ If no (for all media) - skip to #6, and enter "YE," status code after providing or citing appropriate "levels," and referencing sufficient supporting documentation demonstrating that these "levels" are not exceeded.

X If yes (for any media) - continue after identifying key contaminants in each "contaminated" medium, citing appropriate "levels" (or provide an explanation for the determination that the medium could pose an unacceptable risk), and referencing supporting documentation.

_____ If unknown (for any media) - skip to #6 and enter "IN" status code.

Rationale:

By late 1983, Industrial Environmental Systems had removed all PCB- contaminated material from the storage tanks and no further shipments of hazardous waste were received.

[1] "Contamination" and "contaminated" describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriately protective risk-based "levels" (for the media, that identify risks within the acceptable risk range).

[2] Recent evidence (from the Colorado Dept. of Public Health and Environment, and others) suggests that unacceptable indoor air concentrations are more common in structures above groundwater with volatile contaminants than previously believed. This is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration necessary to be reasonably certain that indoor air (in structures located above (and adjacent to) groundwater with volatile contaminants) does not present unacceptable risks.

As part of the RCRA closure plan from 1983 to 1986, activities at the facility resulted in the removal of all the underground pipelines. Areas with contaminated soil were excavated and backfilled with clean material. A collection system was installed to collect water from the bedrock seep for treatment and disposal. A four-inch thick, weather-sealed macadam cover was installed in the excavated area, which was in the vicinity of fuel tanks, fuel lines, and the bedrock seep. Industrial Environmental Systems, Inc received approval from NYSDEC of the closure certification on July 6, 1988.

A focused remedial investigation was conducted at the facility in May 2004 under an Order on Consent with the Department (Figure 3). Soil and groundwater data (Tables 2 through 8) demonstrate that the site's underlying soils and groundwater are not significantly impacted by metals, VOCs, semi-VOCs or PCBs and remediation efforts as part of the RCRA closure plan were effective in addressing historical, subsurface contamination issues.

References:

Groundwater conditions prior to the issuance of the post-closure permit are described in the 1984 and 1985 *Tank Farm Monitoring Well Installation and Groundwater Quality Analysis Reports*. Groundwater data collected since that time have been submitted in the *1991 Groundwater Monitoring Analysis Report,* the *1999 Summary of Closure and Remedial Activities Report* and the *2005 Focused Remedial Investigation Report.*

3. Are there **complete pathways** between "contamination" and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

Summary Exposure Pathway Evaluation Table

	Potential **Human Receptors** (Under Current Conditions)						
"Contaminated" Media	Residents	Workers	Day-Care	Construction	Trespassers	Recreation	Food[3]
Groundwater	NO	NO	NO	NO	NO	---	NO
Air (indoors)	---	---	---	---	---	---	
Soil (surface, e.g., <2 ft)	---	---	---	---	---	---	---
Surface Water	---	---	---	---	---	---	---
Sediment	---	---	---	---	---	---	---
Soil (subsurface e.g., >2 ft)	---	---	---	NO	NO	---	NO
Air (outdoors)	---	---	---	---	---	---	---

__X__ If no (pathways are not complete for any contaminated media-receptor combination) - skip to #6, and enter "YE" status code, after explaining and/or referencing condition(s) in-place, whether natural or man-made, preventing a complete exposure pathway from each contaminated medium (e.g., use optional

[3] Indirect Pathway/Receptor (e.g., vegetables, fruits, crops, meat and dairy products, fish, shellfish, etc.)

Pathway Evaluation Work Sheet to analyze major pathways).

___ If yes (pathways are complete for any "Contaminated" Media - Human Receptor combination) - continue after providing supporting explanation.

_____ If unknown (for any "Contaminated" Media - Human Receptor combination) - skip to #6 and enter "IN" status code

Rationale:

Remedial actions conducted as part of the RCRA closure plan were effective in mitigating the contamination. Groundwater contamination has diminished to a low level and soil contamination has been removed from the site and replaced with clean fill and pavement.

References:

Groundwater conditions prior to the issuance of the post-closure permit are described in the 1984 and 1985 *Tank Farm Monitoring Well Installation and Groundwater Quality Analysis Reports*. Groundwater data collected since that time have been submitted in the *1991 Groundwater Monitoring Analysis Report*, the *1999 Summary of Closure and Remedial Activities Report* and the *2005 Focused Remedial Investigation Report.*

4. Can the **exposures** from any of the complete pathways identified in #3 be reasonably expected to be **"significant"**[4] (i.e., potentially "unacceptable" because exposures can be reasonably expected to be: 1) greater in magnitude (intensity, frequency and/or duration) than assumed in the derivation of the acceptable "levels" (used to identify the "contamination"); or 2) the combination of exposure magnitude (perhaps even though low) and contaminant concentrations (which may be substantially above the acceptable "levels") could result in greater than acceptable risks)?

_____ If no (exposures cannot be reasonably expected to be significant (i.e., potentially "unacceptable") for any complete exposure pathway) - skip to #6 and enter "YE" status code after explaining and/or referencing documentation justifying why the exposures (from each of the complete pathways) to "contamination" (identified in #3) are not expected to be "significant."

___ If yes (exposures could be reasonably expected to be "significant" (i.e., potentially "unacceptable") for any complete exposure pathway) - continue after providing a description (of each potentially "unacceptable" exposure pathway) and explaining and/or referencing documentation justifying why the exposures (from each of the remaining complete pathways) to "contamination" (identified in #3) are not expected to be "significant."

[4] If there is any question on whether the identified exposures are "significant" (i.e., potentially "unacceptable") consult a human health Risk Assessment specialist with appropriate education, training and experience.

_____ If unknown (for any complete pathway) - skip to #6 and enter "IN" status code

Rationale and References:

5. Can the "significant" **exposures** (identified in #4) be shown to be within **acceptable** limits?

_____ If yes (all "significant" exposures have been shown to be within acceptable limits) - continue and enter "YE" after summarizing and referencing documentation justifying why all "significant" exposures to "contamination" are within acceptable limits (e.g., a site-specific Human Health Risk Assessment).

___ If no (there are current exposures that can be reasonably expected to be "unacceptable") - continue and enter "NO" status code after providing a description of each potentially "unacceptable" exposure.

_____ If unknown (for any potentially "unacceptable" exposure) - continue and enter "IN" status code

Rationale and Reference(s):

Type Here

6. Check the appropriate RCRA Info status codes for the Current Human Exposures Under Control EI event code (CA725), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (and attach appropriate supporting documentation as well as a map of the facility):

X YE - Yes, "Current Human Exposures Under Control" has been verified. Based on a review of the information contained in this EI Determination, "Current Human Exposures" are expected to be "Under Control" at the Industrial Environmental Systems, Inc Facility, EPA ID #NYD000707885, located at Old Kings Highway, Saugerties, New York under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

_____ NO – "Current Human Exposures" are NOT "Under Control."

_____ IN - More information is needed to make a determination.

Completed by: Jamie Verrigni Date: March 18, 2014
Jamie Verrigni
Project Manager

Supervisor: _____ Date: March 18, 2014
James Candiloro – Acting Chief
Remedial Section A

Director: _____ Date: March 18, 2014
George Heitzman - Director
Remedial Bureau C
Division of Environmental Remediation

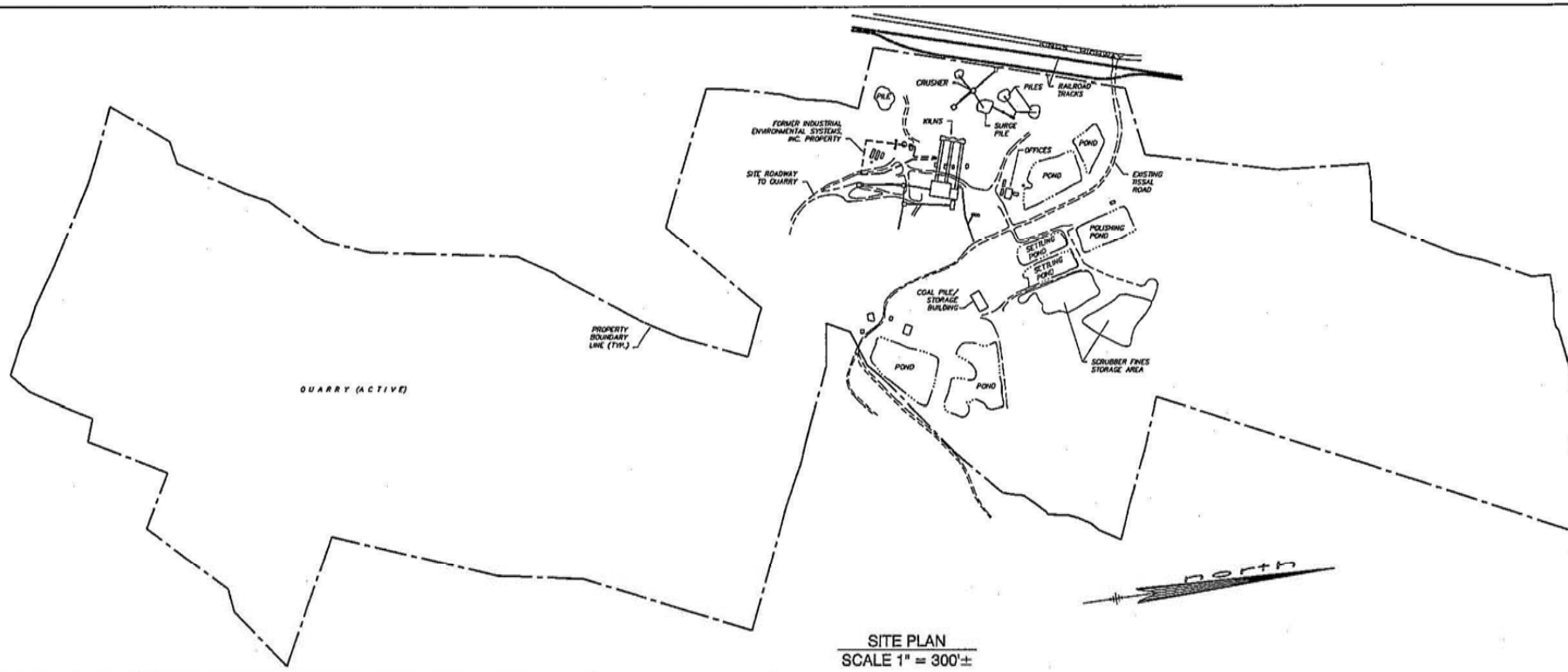
Locations where References may be found:

New York State Department of Environmental Conservation, Central Office
Division of Environmental Remediation
625 Broadway 11th Floor
Albany, New York 12233-7014

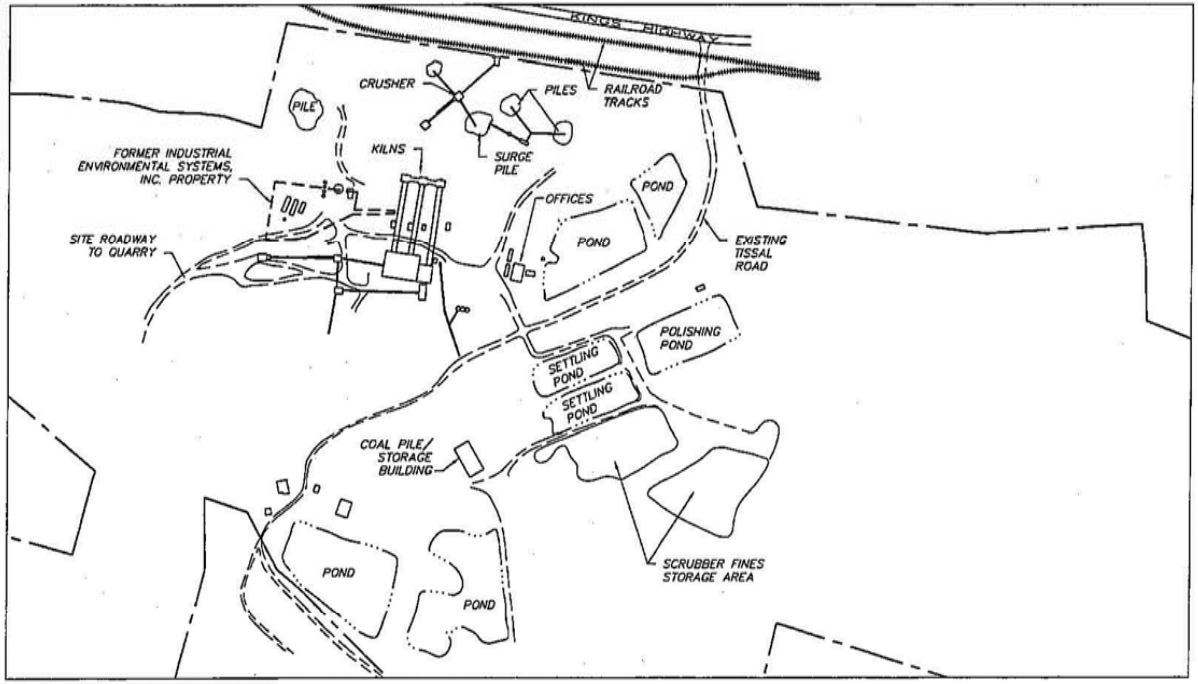
Contact telephone and e-mail numbers:

Jamie Verrigni
(518) 402-9662
jlverrigr@gw.dec.state.ny.us

FINAL NOTE: THE HUMAN EXPOSURES EI IS A QUALITATIVE SCREENING OF EXPOSURES AND THE DETERMINATIONS WITHIN THIS DOCUMENT SHOULD NOT BE USED AS THE SOLE BASIS FOR RESTRICTING THE SCOPE OF MORE DETAILED (E.G., SITE-SPECIFIC) ASSESSMENTS OF RISK.



SITE PLAN
SCALE 1" = 300'±



AREA OF INTEREST
SCALE 1" = 200'±

1" = 200'
200 0 100 200 400

1" = 300'
300 200 100 0 150 300 600

APPROXIMATE SCALES IN FEET

REVISIONS

NO.	DATE	DESCRIPTION

SITE PLAN

NORTHEAST SOLITE CORPORATION
FORMER INDUSTRIAL ENVIRONMEN
SERVICES INC. PROPERTY
MOUNT MARION, NEW YORK

HRP Associates, Inc.
Environmental/Civil Engineering & Hydrogeology
Creating the Right Solutions Together
Connecticut, New York, Massachusetts, Pennsylvania, South Carolina
100 Saratoga Blvd, Suite 27
Malta, New York 12020
(518) 899-3011
FAX: (518) 899-8129
www.hrpassociates.com

CBB	JRS	AS
DESIGNED	APPROVED	SCALE
B.O.B.	JUNE 4, 2003	
DRAWN	DATE	
CBB	NOR3700.P2	
CHECKED	PROJECT NO.	SHE

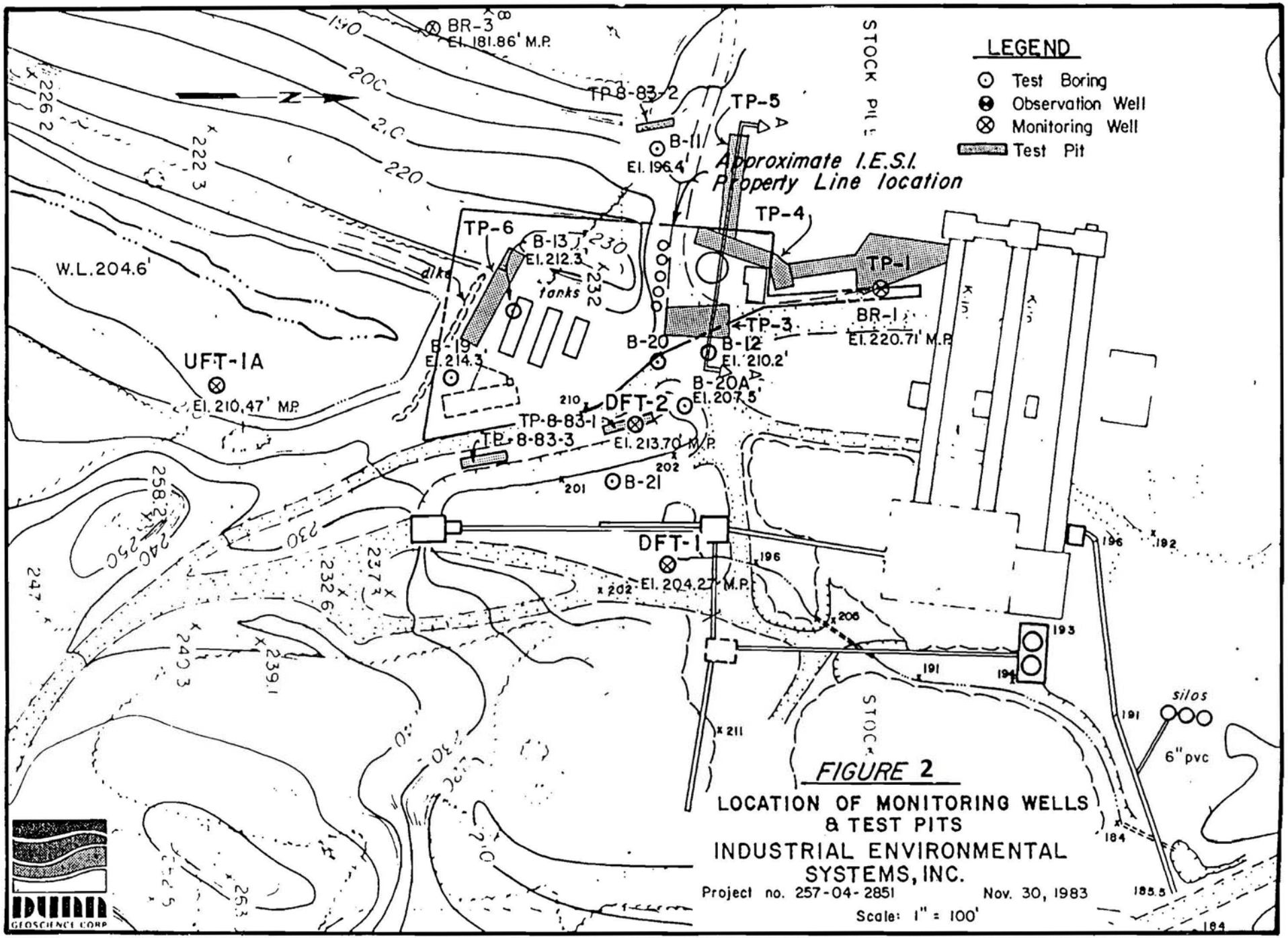


FIGURE 2

LOCATION OF MONITORING WELLS & TEST PITS

INDUSTRIAL ENVIRONMENTAL SYSTEMS, INC.

Project no. 257-04-2851 Nov. 30, 1983

Scale: 1" = 100'

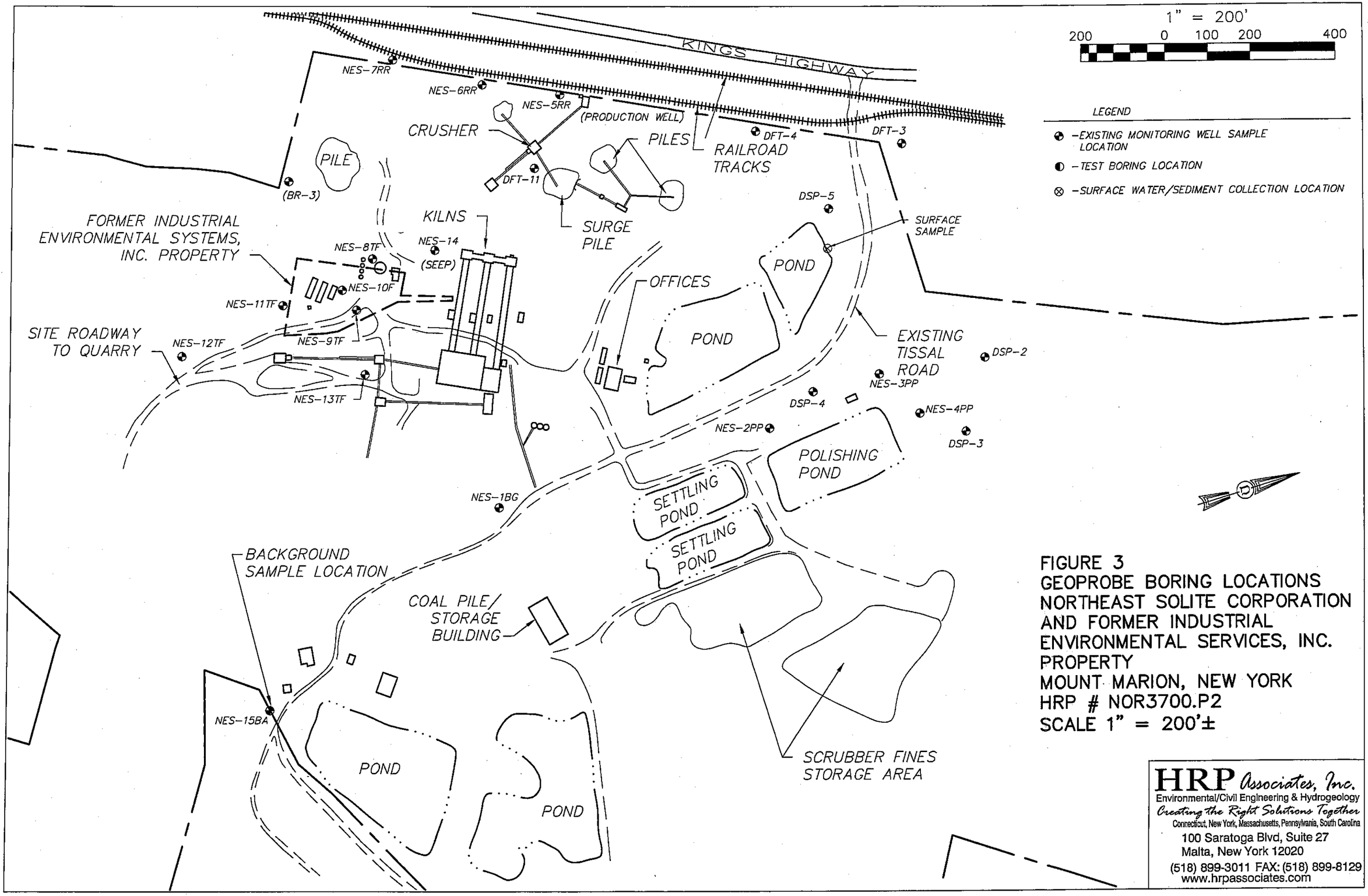


FIGURE 3
GEOPROBE BORING LOCATIONS
NORTHEAST SOLITE CORPORATION
AND FORMER INDUSTRIAL
ENVIRONMENTAL SERVICES, INC.
PROPERTY
MOUNT MARION, NEW YORK
HRP # NOR3700.P2
SCALE 1" = 200'±

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Table 1

SUMMARY OF HISTORICAL GROUNDWATER MONITORING DATA
FORMER INDUSTRIAL ENVIRONMENTAL SYSTEMS, INC. FACILITY
MOUNT MARION, NEW YORK
SEPTEMBER 1983 TO JUNE 1988

DFT-1

PARAMETERS	SEPT 1983	NOV-DEC 1983	JAN-FEB 1984	APRIL 1984	JUNE 1984	AUG 1984	NOV 1984	FEB 1985	APRIL 1985
ACETONE	--	--	--	--	--	--	--	--	-- / --
1-1-DICHLOROETHANE	1	3	--	8	18	16	B	18.7	4 / 5
TRANS-1,2-DICHLOROETHENE	--	--	--	--	--	--	--	--	-- / --
CHLOROFORM	--	--	--	--	--	--	--	--	-- / 3.1
METHYL ETHYL KETONE	--	35	--	--	--	--	--	--	-- / --
1,2-DICHLOROETHANE	4	12	9	15	18	31	11	B	15 / 11.5
1,1,1-TRICHLOROETHANE	--	--	--	2	4	B	--	--	4 / --
TRICHLOROETHENE	--	--	--	--	--	B	B	B	-- / --
1,1,2-TRICHLOROETHANE	--	--	--	3	--	B	B	--	3 / --
METHYL ISOBUTYL KETONE	--	25	--	--	--	--	--	--	-- / --
TETRACHLOROETHENE	--	--	--	--	--	B	B	--	-- / --
1,1,2,2-TETRACHLOROETHANE	--	2	--	--	--	--	--	--	-- / --
TOLUENE	--	--	--	--	--	14	--	--	-- / --
ETHYL BENZENE	--	--	--	--	--	--	--	--	-- / --
M-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
P-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENE	--	--	--	--	--	--	--	--	-- / --
TETRAHYDROFURAN	--	--	--	--	--	--	--	--	-- / --
ISOPROPYL ETHER	--	--	--	--	--	--	--	--	-- / --
METHYLENE CHLORIDE	--	--	--	--	--	--	--	4.8	-- / --
2-CHLOROETHYL-VINYL ETHER	--	--	--	--	--	--	--	--	-- / --
BENZENE	--	--	--	--	--	--	B	B	-- / --
CHLOROBENZENE	--	--	--	--	--	--	B	--	-- / --
1,2-DICHLOROPROPENE	--	--	--	--	--	--	--	--	-- / --
1,2-DICHLOROPROPANE	--	--	--	--	--	--	--	--	-- / --
CARBON TETRACHLORIDE	--	--	--	--	--	--	--	--	-- / 1.3
1,2-DICHLOROETHENE	--	--	--	--	--	--	--	B	-- / 1.1
TRICHLOROFLUOROMETHANE	--	--	--	--	--	--	--	--	-- / --
TRICHLOROFLUOROETHANE	--	--	--	--	--	--	--	--	-- / --
CHLOROMETHANE	--	--	--	--	--	--	--	--	-- / --
CHLOROETHANE	--	--	--	--	--	--	--	--	-- / --
1,1-DICHLOROETHENE	--	--	--	--	--	--	--	--	-- / --
DICHLOROBENZENES	--	--	--	--	--	--	--	--	-- / --
VINYL CHLORIDE	--	--	--	--	--	--	--	B	-- / --
1,2 DICHLOROBENZENE	--	--	--	--	--	--	--	--	-- / --
P,P' - DDE	0.03	--	0.04	--	--	--	--	--	-- / --
PCB 1242	--	--	--	--	--	--	--	--	-- / --
PCB 1260	--	--	--	--	--	--	--	--	-- / --

NA = Not Analyzed.
B = Originally reported as BMDL, outdated nomenclature (Below Method Detection Limit) signifying a qualitative detection less than the quantitation limit
Units in PPB
- GC/MS , GC

Table 1

SUMMARY OF HISTORICAL GROUNDWATER MONITORING DATA
FORMER INDUSTRIAL ENVIRONMENTAL SYSTEMS, INC. FACILITY
MOUNT MARION, NEW YORK
SEPTEMBER 1983 TO JUNE 1988

PARAMETERS	MAY 1985	AUG 1985	NOV 1985	JUNE 1988
ACETONE	– / –	– / --	-- / --	– // –
1-1-DICHLOROETHANE	8.8 / 5.3	6 / --	5.3 / 5.1	2.2 // 2.1
TRANS-1,2-DICHLOROETHENE	– / --	-- / --	-- / --	-- // --
CHLOROFORM	8 / --	-- / --	-- / --	-- // --
METHYL ETHYL KETONE	-- / --	– / --	-- / --	-- // --
1,2 DICHLOROETHANE	24.1 / 15	24 / 21	18 / 19.7	5.9 // 7.5
1,1,1-TRICHLOROETHANE	8 / 1.3	-- / --	-- / 1	-- // --
TRICHLOROETHENE	– / 13.5	-- / --	-- / --	-- // --
1,1,2-TRICHLOROETHANE	5.7 / --	-- / --	3.2 / --	-- // --
METHYL ISOBUTYL KETONE	-- / --	-- / --	-- / --	-- // --
TETRACHLOROETHENE	-- / --	-- / --	-- / --	-- // --
1,1,2,2-TETRACHLOROETHANE	-- / --	– / --	-- / --	-- // --
TOLUENE	-- / --	5 / --	-- / --	-- // --
ETHYL BENZENE	-- / --	-- / --	-- / --	-- // --
M-XYLENE	NA	NA	NA	-- // --
O XYLENE	NA	NA	NA	-- // --
P-XYLENE	NA	NA	NA	-- // --
TOTAL XYLENE	-- / --	-- / --	-- / --	-- // --
TETRAHYDROFURAN	-- / --	-- / --	-- / --	-- // --
ISOPROPYL ETHER	-- / --	-- / --	-- / --	-- // --
METHYLENE CHLORIDE	4.8 / --	-- / --	-- / --	-- // --
2-CHLOROETHYL-VINYL ETHER	-- / --	– / --	-- / --	-- // --
BENZENE	8 / --	2 / --	-- / --	-- // --
CHLOROBENZENE	-- / --	-- / --	-- / --	-- // --
1,2-DICHLOROPROPENE	-- / --	-- / --	-- / --	-- // --
1,2-DICHLOROPROPANE	-- / --	-- / --	-- / --	-- // --
CARBON TETRACHLORIDE	-- / --	-- / --	- / --	-- // --
1,2-DICHLOROETHENE	-- / 1.7	-- / 1.3	-- / 1.4	-- // --
TRICHLOROFLUOROMETHANE	-- / 3.3	-- / 2	-- / --	-- // --
TRICHLOROFLUOROETHANE	-- / --	-- / --	-- / --	-- // --
CHLOROMETHANE	-- / --	-- / --	-- / -	-- // --
CHLOROETHANE	-- / --	-- / --	-- / --	-- // --
1,1-DICHLOROETHENE	-- / --	-- / --	-- / --	-- // --
DICHLOROBENZENES	-- / --	-- / -	-- / --	-- // --
VINYL CHLORIDE	-- / --	-- / --	-- / --	-- // --
1,2 DICHLOROBENZENE	-- / --	-- /	-- / -- /	-- // --
P,P' - DDE	-- / --	-- / -	-- / -	-- // --
PCB 1242	-- / --	-- / --	- / --	-- // --
PCB 1260	-- / --	-- / --	-- / --	-- // --

x // y = Original // Duplicate.
NA = Not Analyzed.
B = Originally reported as BMDL, outdated nomenclature (Below Method Detection Limit) signifying a qualitative detection less than the quantitation limit.
Units in PPB
* GC/MS , GC

Table 1

SUMMARY OF HISTORICAL GROUNDWATER MONITORING DATA
FORMER INDUSTRIAL ENVIRONMENTAL SYSTEMS, INC. FACILITY
MOUNT MARION, NEW YORK
SEPTEMBER 1983 TO JUNE 1988

DFT-2

PARAMETERS	SEPT 1983	NOV-DEC 1983	JAN-FEB 1984	APRIL 1984	JUNE 1984
ACETONE	--	590		1400	--
1-1-DICHLOROETHANE	6	28		27	20
TRANS-1,2-DICHLOROETHENE	9	118		45	23
CHLOROFORM	13	--		150	93
METHYL ETHYL KETONE	--	450		400	--
1,2-DICHLOROETHANE	5	80		110	65
1,1,1-TRICHLOROETHANE	110	710		1100	690
TRICHLOROETHENE	4	36		180	85
1,1,2-TRICHLOROETHANE	--	19		11	7
METHYL ISOBUTYL KETONE	--	470		800	--
TETRACHLOROETHENE	20	170		290	130
1,1,2,2-TETRACHLOROETHANE	--	72		--	19
TOLUENE	--	500	D	1900	120
ETHYL BENZENE	--	--	R	--	--
M-XYLENE	NA	NA	Y	NA	NA
O-XYLENE	NA	NA		NA	NA
P-XYLENE	NA	NA		NA	NA
TOTAL XYLENE	--	580	W	1000	250
TETRAHYDROFURAN	--	--	E	--	--
ISOPROPYL ETHER	--	--	L	--	--
METHYLENE CHLORIDE	--	80	L	190	120
2-CHLOROETHYL-VINYL ETHER	--	--		--	--
BENZENE	--	46		94	26
CHLOROBENZENE	--	3		12	3
1,2-DICHLOROPROPENE	--	3		--	--
1,2-DICHLOROPROPANE	--	--		--	2
CARBON TETRACHLORIDE	--	--		--	--
1,2-DICHLOROETHENE	--	--		--	--
TRICHLOROFLUOROMETHANE	--	--		--	--
TRICHLOROFLUOROETHANE	--	--		--	--
CHLOROMETHANE	--	--		--	--
CHLOROETHANE	--	--		--	--
1,1-DICHLOROETHENE	--	--		--	--
DICHLOROBENZENES	--	--		--	--
VINYL CHLORIDE	--	--		--	--
1,2 DICHLOROBENZENE	--	--		--	--
				--	
P,P'- DDE	--	--		--	--
PCB 1242	--	--		--	--
PCB 1260	0.22	0.95		1.17	0.15

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B = Originally reported as BMDL, outdated nomenclature (Below Method Detection Limit) signifying a qualitative detection less than the quantitation limit.
Units in PPB

Table 1

SUMMARY OF HISTORICAL GROUNDWATER MONITORING DATA
FORMER INDUSTRIAL ENVIRONMENTAL SYSTEMS, INC. FACILITY
MOUNT MARION, NEW YORK
SEPTEMBER 1983 TO JUNE 1988

	DFT- 4	DFT-6			DFT-6B	DFT-6C		DFT-7		DFT-9
PARAMETERS	MAY 1985	APRIL 1984	JUNE 1984	AUG 1984	AUG 1985	NOV 1985	JUNE 1988	MAY 1985	AUG 1985	APRIL 1984
ACETONE	--	--	--	--	--	--	--	--	--	--
1-1-DICHLOROETHANE	--	23	8	47	--	26.4	21	--	--	2
TRANS-1,2-DICHLOROETHENE	--	--	--	--	--	--	--	--	--	--
CHLOROFORM	--	--	--	--	--	--	--	--	--	3
METHYL ETHYL KETONE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROETHANE	--	--	--	--	--	--	--	--	--	5
1,1,1-TRICHLOROETHANE	--	66	81	B	1.3	2.1	--	--	--	7
TRICHLOROETHENE	4.7	--	--	--	--	--	--	3.2	--	--
1,1,2-TRICHLOROETHANE	--	--	--	--	--	--	--	--	--	4
METHYL ISOBUTYL KETONE	--	--	--	--	--	--	--	--	--	--
TETRACHLOROETHENE	--	--	--	B	--	--	--	--	--	--
1,1,2,2-TETRACHLOROETHANE	--	--	--	--	--	--	--	--	--	3
TOLUENE	--	--	--	36	--	--	--	--	--	--
ETHYL BENZENE	--	--	--	--	--	--	--	--	--	--
M-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
P-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENE	--	--	--	--	--	--	--	--	--	--
TETRAHYDROFURAN	--	--	--	--	--	--	--	--	--	--
ISOPROPYL ETHER	--	--	--	--	--	--	--	--	--	--
METHYLENE CHLORIDE	--	--	--	--	--	--	--	--	1.2	--
2-CHLOROETHYL-VINYL ETHER	--	--	--	--	--	--	--	--	--	--
BENZENE	--	--	--	--	--	--	--	--	--	--
CHLOROBENZENE	--	--	--	--	1.8	--	--	--	--	--
1,2 DICHLOROPROPENE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROPROPANE	--	--	--	--	--	--	--	--	--	--
CARBON TETRACHLORIDE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROETHENE	--	--	--	--	--	--	--	--	--	--
TRICHLOROFLUOROMETHANE	--	--	--	--	--	--	--	--	--	--
TRICHLOROFLUOROETHANE	--	--	--	--	--	--	--	--	--	--
CHLOROMETHANE	--	--	--	--	1.2	--	--	--	--	--
CHLOROETHANE	--	--	--	--	--	2.5	--	--	--	--
1,1-DICHLOROETHENE	--	--	--	--	38	--	--	--	--	--
DICHLOROBENZENES	--	--	--	--	--	--	--	--	--	--
VINYL CHLORIDE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROBENZENE	--	--	--	--	--	--	--	--	--	--
P,P'- DDE	--	--	--	--	--	--	--	--	--	--
PCB 1242	--	--	--	--	--	--	--	--	--	--
PCB 1260	--	--	--	--	--	--	--	--	--	--

NA = Not Analyzed.
B = Originally reported as BMDL, outdated nomenclature (Below Method Dectection Limit) signifying a qualitative detection less than the quantitation limit.
Units in PPB

Table 1

SUMMARY OF HISTORICAL GROUNDWATER MONITORING DATA
FORMER INDUSTRIAL ENVIRONMENTAL SYSTEMS, INC. FACILITY
MOUNT MARION, NEW YORK
SEPTEMBER 1983 TO JUNE 1988

	DFT-9 con't						DFT-10			DFT-11
PARAMETERS	JUNE 1984	AUG 1984	NOV 1984	APRIL 1985	MAY 1985	AUG 1985	AUG 1984	MAY 1985	AUG 1985	AUG 1984
ACETONE	--	--	--	--	--	--	--	--	--	--
1-1-DICHLOROETHANE	2	B	--	1	--	--	--	--	--	--
TRANS-1,2-DICHLOROETHENE	--	--	--	--	--	--	--	--	--	--
CHLOROFORM	--	--	--	--	--	--	--	--	--	--
METHYL ETHYL KETONE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROETHANE	--	--	--	1.3	1.1	--	--	--	--	--
1,1,1-TRICHLOROETHANE	3	B	--	1.1	--	--	--	--	--	--
TRICHLOROETHENE	--	B	B	--	11.4	--	--	4.9	--	--
1,1,2-TRICHLOROETHANE	--	B	--	--	--	--	--	--	--	--
METHYL ISOBUTYL KETONE	--	--	--	--	--	--	--	--	--	--
TETRACHLOROETHENE	--	B	--	--	--	--	66	--	--	B
1,1,2,2-TETRACHLOROETHANE	2	--	--	--	--	--	--	--	--	--
TOLUENE	--	B	--	--	--	--	B	--	--	--
ETHYL BENZENE	--	--	--	--	--	--	--	--	--	--
M-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
P-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENE	--	--	--	--	--	--	--	--	--	--
TETRAHYDROFURAN	--	--	--	--	--	--	--	--	--	--
ISOPROPYL ETHER	--	--	--	--	--	--	--	--	--	--
METHYLENE CHLORIDE	--	--	--	--	--	--	--	--	--	--
2-CHLOROETHYL-VINYL ETHER	--	--	--	--	--	--	--	--	--	--
BENZENE	--	--	--	--	1.1	--	--	--	--	--
CHLOROBENZENE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROPROPENE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROPROPANE	--	--	--	--	--	--	--	--	--	--
CARBON TETRACHLORIDE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROETHENE	--	--	--	--	1.4	1.3	--	--	--	--
TRICHLOROFLUOROMETHANE	--	--	--	--	--	--	--	--	--	--
TRICHLOROFLUOROETHANE	--	--	--	--	--	--	--	--	--	--
CHLOROMETHANE	--	--	--	--	--	--	--	--	--	--
CHLOROETHANE	--	--	--	--	--	--	--	--	--	--
1,1-DICHLOROETHENE	--	--	--	--	--	--	--	--	--	--
DICHLOROBENZENES	--	--	--	--	--	--	--	--	--	--
VINYL CHLORIDE	--	--	--	--	--	--	--	--	--	--
1,2 DICHLOROBENZENE	--	--		--	--	--	--	--	--	--
P,P'-DDE	--	--	--	--	--	--	--	--	--	--
PCB 1242	--	--		--	--	--	--	--	--	--
PCB 1260	--	--		--	--		--	--	--	--

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Units in PPB

Table 1

SUMMARY OF HISTORICAL GROUNDWATER MONITORING DATA
FORMER INDUSTRIAL ENVIRONMENTAL SYSTEMS, INC. FACILITY
MOUNT MARION, NEW YORK
SEPTEMBER 1983 TO JUNE 1988

	DFT-11A	DITCH		
PARAMETERS	**MAY 1985**	**JUNE 1984**	**AUG 1984**	**NOV 1984**
ACETONE	--	--	--	--
1-1-DICHLOROETHANE	--	--	--	--
TRANS-1,2-DICHLOROETHENE	--	--	--	--
CHLOROFORM	--	--	--	--
METHYL ETHYL KETONE	--	--	--	--
1,2-DICHLOROETHANE	--	--	--	--
1,1,1-TRICHLOROETHANE	--	2	--	--
TRICHLOROETHENE	1.8	--	--	--
1,1,2-TRICHLOROETHANE	--	--	--	--
METHYL ISOBUTYL KETONE	--	--	--	--
TETRACHLOROETHENE	--	--	22	--
1,1,2,2-TETRACHLOROETHANE	--	--	--	--
TOLUENE	--	--	--	--
ETHYL BENZENE	--	--	--	--
M-XYLENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
P-XYLENE	NA	NA	NA	NA
TOTAL XYLENE	--	--	--	--
TETRAHYDROFURAN	--	--	--	--
ISOPROPYL ETHER	--	--	--	--
METHYLENE CHLORIDE	--	--	--	B
2-CHLOROETHYL-VINYL ETHER	--	--	--	--
BENZENE	--	--	--	--
CHLOROBENZENE	--	--	--	--
1,2-DICHLOROPROPENE	--	--	--	--
1,2-DICHLOROPROPANE	--	--	--	--
CARBON TETRACHLORIDE	--	--	--	--
1,2-DICHLOROETHENE	1.2	--	--	--
TRICHLOROFLUOROMETHANE	--	--	--	--
TRICHLOROFLUOROETHANE	--	--	--	--
CHLOROMETHANE	--	--	--	--
CHLOROETHANE	--	--	--	--
1,1-DICHLOROETHENE	--	--	--	--
DICHLOROBENZENES	--	--	--	--
VINYL CHLORIDE	--	--	--	--
1,2 DICHLOROBENZENE	--	--	--	--
P,P' - DDE	--	--	--	--
PCB 1242	--	--	--	--
PCB 1260	--	--	--	--

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Units in PPB

Table 1

SUMMARY OF HISTORICAL GROUNDWATER MONITORING DATA
FORMER INDUSTRIAL ENVIRONMENTAL SYSTEMS, INC. FACILITY
MOUNT MARION, NEW YORK
SEPTEMBER 1983 TO JUNE 1988

	BR-1	BR-2	BR-3						BR-4	
PARAMETERS	NOV 1984	NOV 1984	AUG 1984	NOV 1984	APRIL 1985	MAY 1985	AUG 1985	NOV 1985	APRIL 1984	AUG 1984
ACETONE	--	--	--	--	--	--	--	--	--	--
1-1-DICHLOROETHANE	--	--	--	--	2.1	3.9	--	7.4	--	--
TRANS-1,2-DICHLOROETHENE	--	--	--	--	--	--	--	--	--	--
CHLOROFORM	--	--	--	--	--	--	--	--	2	--
METHYL ETHYL KETONE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROETHANE	--	--	--	--	2.1	--	5.7	--	--	--
1,1,1-TRICHLOROETHANE	--	--	--	--	1.1	--	1.7	1.7	--	--
TRICHLOROETHENE	--	--	--	--	--	3.8	--	--	--	--
1,1,2-TRICHLOROETHANE	--	--	--	--	--	--	--	--	--	--
METHYL ISOBUTYL KETONE	--	--	--	--	--	--	--	--	--	--
TETRACHLOROETHENE	--	B	11	--	--	--	--	--	--	--
1,1,2,2-TETRACHLOROETHANE	--	--	--	--	--	--	--	--	--	--
TOLUENE	--	B	B	--	--	--	--	--	--	--
ETHYL BENZENE	--	--	--	--	--	--	--	--	--	--
M-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
P-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENE	--	--	--	--	--	--	--	--	--	--
TETRAHYDROFURAN	--	--	--	--	--	--	--	--	--	--
ISOPROPYL ETHER	--	--	--	--	--	--	--	--	--	--
METHYLENE CHLORIDE	B	--	--	--	--	--	--	--	--	B
2-CHLOROETHYL-VINYL ETHER	--	--	--	--	--	--	--	--	--	--
BENZENE	--	--	--	--	--	--	--	--	--	--
CHLOROBENZENE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROPROPENE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROPROPANE	--	--	--	--	--	--	--	--	--	--
CARBON TETRACHLORIDE	--	--	--	--	1.1	--	--	--	--	--
1,2-DICHLOROETHENE	--	--	--	--	--	--	--	--	--	--
TRICHLOROFLUOROMETHANE	--	--	--	--	--	--	--	--	--	--
TRICHLOROFLUOROETHANE	--	--	--	B	--	--	--	--	--	--
CHLOROMETHANE	--	--	--	--	--	--	--	--	--	--
CHLOROETHANE	--	--	--	--	--	--	--	--	--	--
1,1-DICHLOROETHENE	--	--	--	--	--	--	--	--	--	--
DICHLOROBENZENES	--	--	--	--	--	--	--	--	--	--
VINYL CHLORIDE	--	--	--	--	--	--	--	--	--	--
1,2-DICHLOROBENZENE	--	--	--	--	--	--	--	--	--	--
P,P'-DDE	--	--	--	--	--	--	--	--	--	--
PCB 1242	--	--	--	--	--	--	--	--	--	--
PCB 1260	--	--	--	--	--	--	--	--	--	--

NA = Not Analyzed.
B = Originally reported as BMDL, outdated nomenclature (Below Method Detection Limit) signifying a qualitative detection less than the quantitation limit.
Units In PPB

TABLE 2
Summary of Soil Sample Results-VOCs
Northeast Solite Corporation
Mount Marion, New York

Soil Sample ID (Boring designation and depth)	Volatile Organic Compound								% Solid
	2-Butanone	Benzene	Acetone	m,p-Xylene	Trichloroethene	Tetrachlorethene	Toluene	cis-1, 2-Dichloroethene	
NES-5RR (4-8 ft)	51J	6UJ	85J	6UJ	6UJ	6UJ	6UJ	6UJ	90.0
NES-5RR (8-10 ft)	47	7U	100B	7UJ	7U	7U	14	7U	76.0
NES-6RR (8-10 ft)	28	7UJ	61U	7U	7UJ	7U	7U	7U	68.0
NES-6RR (10-12 ft)	48	6U	82B	6U	6U	6U	12	6U	80.0
NES-7RR (6-8 ft)	54	7U	95	7U	7U	7U	13	7U	74.0
NES-7RR (8-10 ft)	150	7U	190B	7U	7U	7U	19	7U	76.0
NES-7RR (10-11ft)	26	6U	40U	6U	6U	6U	10	6U	78.0
NES-8TF (0-2 ft)	11U	5U	11U	5U	5U	5U	5U	5U	95.0
NES-8TF (2-4 ft)	11U	5U	11U	5U	5U	5U	5J	5U	95.0
NES-8TF (4-6 ft)	10U	5U	10U	5U	5U	5U	5U	5U	96.0
NES-8TF (6-8 ft)	11U	3J	23U	29	4J	4J	19	10	93.0
NES-9TF (0-2 ft)	11U	5U	11U	5U	5U	5U	9	5U	91.0
NES-9TF (2-4 ft)	11U	5U	16U	5U	5U	5U	5U	5U	94.0
NES-9TF (4-6 ft)	11U	5U	11U	5U	5U	1J	1J	5U	93.0
NES-10TF (0-2 ft)	11U	5U	11U	5U	5U	5U	5U	5U	94.0
NES-10TF (2-4 ft)	11U	5U	11U	5U	14	54	5U	5U	91.0
NES-10TF (4-6 ft)	11U	6U	11U	6U	6U	6U	6U	6U	89.0
NES-10TF (6-8 ft)	11U	6U	11U	6U	12	10	4J	6U	88.0
NES-10TF (8-10 ft)	12U	6U	12U	6U	6U	6U	6U	6U	82.0
NES-10TF (10-11ft)	12U	6U	26U	6U	6U	6U	6U	6U	84.0
NES-11TF (0-2 ft)	31	5U	60U	5U	5U	5U	6	5U	94.0
NES-11TF (2-4 ft)	12U	6U	26U	6U	6U	6U	8	6U	84.0
NES-11TF (4-6 ft)	11U	5U	16U	5U	5U	5U	3J	5U	95.0
NES-11TF (6-8 ft)	7J	5U	24U	5U	5U	5U	5J	5U	94.0
Recommended Soil Cleanup Objective (TAGM 4046)	300	60	200	1,200	700	1,400	1,500	100	NA

All results reported in µg/kg (PPB)
u-undetected at the MDL
j-detected below quantitation limit
uj-undetected with trace amount
B-Detected in Blank
*Recommended Soil Cleanup Objective, from Table 4, NYSDEC Technical Assistance Guidance Memorandum 4046 (January 1994)
** RCSOs as reported in TAGM 4046

TABLE 2
Summary of Soil Sample Results-VOCs
Northeast Solite Corporation
Mount Marion, New York

Soil Sample ID (Boring designation and depth)	Volatile Organic Compound								% Solid
	2-Butanone	Benzene	Acetone	m,p-Xylene	Trichloroethene	Tetrachlorethene	Toluene	cis-1, 2-Dichloroethene	
NES-11TF (8-10 ft)	11U	6U	11U	6U	6U	6U	6U	6U	89.0
NES-11TF (10-12 ft)	14U	7U	14U	7U	7U	7U	7J	7U	69.0
NES-11TF (12-14 ft)	27	6U	71U	6U	6U	6U	11	6U	82.0
NES-11TF (14-16 ft)	23	7U	48U	7U	7U	7U	7	7U	72.0
NES-12TF (0-2 ft)	11U	5U	11U	5U	5U	5U	5U	5U	93.0
NES-12TF (2-4 ft)	11U	5U	11U	5U	5U	5U	5U	5U	93.0
NES-12TF (4-8 ft)	22	5U	26U	5U	5U	5U	21	5U	92.0
NES-12TF (8-10 ft)	11U	5U	11U	5U	5U	5U	9	5U	93.0
NES-12TF (10-12 ft)	13U	6U	13U	6U	6U	6U	8	6U	77.0
NES-12TF (12-14 ft)	12U	6U	12U	6U	6U	6U	6U	6U	81.0
NES-13TF (0-2 ft)	24	6U	29U	6U	6U	6U	7	6U	90.0
NES-13TF (2-4 ft)	11U	5U	11U	5U	5U	5U	5U	5U	93.0
NES-13TF (4-6 ft)	32	6U	48U	6U	6U	6U	13	6U	90.0
NES-13TF (6-8 ft)	34	6U	87	6U	6U	6U	6U	6U	88.0
NES-13TF (8-10 ft)	12U	6U	43U	6U	6U	6U	4J	6U	82.0
NES-13TF (10-12 ft)	12U	6U	83U	6U	6U	6U	10	6U	82.0
NES-13TF (12-13 ft)	30	6U	47U	6U	6U	6U	6U	6U	85.0
NES-14Seep (0-2 ft)	6J	6U	14U	6U	6U	6U	6U	6U	84.0
NES-14Seep (2-4 ft)	47	6U	83U	6U	6U	6U	14	6U	81.0
NES-14Seep (4-6 ft)	110	7U	140	7U	7U	7U	3J	7U	76.0
NES-14Seep (6-8 ft)	16	7U	30U	7U	7U	7U	5J	7U	76.0
NES-14Seep (8-10 ft)	41	6U	63U	6UJ	6U	6UJ	20J	6U	83.0
NES-14Seep (10-12 ft)	9J	6U	22U	6U	6U	6U	6U	6U	77.0
NES-14Seep (12-14 ft)	10J	6U	18U	6U	6U	6U	6U	6U	80.0
NES-14Seep (14-16 ft)	43	6U	61U	6U	6U	6U	8	6U	79.0
NES-15 BA (0-2 ft)	41	6U	12U	6U	6U	6U	6U	6U	82.0
NES-15 BA (2-4 ft)	12U	6U	31U	6U	6U	6U	4J	6U	88.0
NES-15 BA (4-5 ft)	11U	6U	83	6U	6U	6U	10	6U	85.0
Recommended Soil Cleanup Objective (TAGM 4046)	300	60	200	1,200	700	1,400	1,500	100	NA

All results reported in µg/kg (PPB)
u-undetected at the MDL
j-detected below quantitation limit
uj-undetected with trace amount
B-Detected in Blank
*Recommended Soil Cleanup Objective, from Table 4, NYSDEC Technical Assistance Guidance Memorandum 4046 (January 1994)
** RCSOs as reported in TAGM 4046

TABLE 3
Summary of Soil Sample Results-Semi-VOCs
Northeast Solite Corporation
Mount Marion, New York

Soil Sample ID (Boring designation and depth)	Semi-volatile Organic Compound								% Solid
	Phenol	1,2,4-Trichloro benzene	Fluorene	Phenanthrene	Di-n-octyphthalate	Fluoranthene	Pyrene	Bis (2-Ethylhexyl) phthalate	
NES-5RR (4-8 ft)	370U	370U	370U	370U	370U	370U	370U	400U	90.0
NES-5RR (8-10 ft)	440U	440U	440U	440U	440U	440U	440U	530U	76.0
NES-5RR (10-12 ft)	420U	420U	420U	420U	420U	420U	420U	490U	80.0
NES-6RR (8-10 ft)	490U	490U	490U	490U	490U	490U	490U	730U	68.0
NES-7RR (6-8 ft)	450U	450U	450U	450U	450U	450U	450U	640U	74.0
NES-7RR (8-10 ft)	440U	440U	440U	440U	440U	440U	440U	480U	76.0
NES-7RR (10-11ft)	430U	430U	430U	430U	430U	430U	430U	580U	78.0
NES-8TF (0-2 ft)	350U	73J	350U	350U	350U	350U	350U	350U	95.0
NES-8TF (2-4 ft)	350U	53J	350U	350U	350U	350U	350U	350U	95.0
NES-8TF (4-6 ft)	350U	71J	350U	350U	350U	350U	350U	350U	96.0
NES-8TF (6-8 ft)	360U	59J	130J	190J	360U	110J	360U	610U	93.0
NES-9TF (0-2 ft)	370U	370U	370U	370U	370U	370U	370U	470U	91.0
NES-9TF (2-4 ft)	350U	350U	350U	350U	350U	350U	350U	240U	94.0
NES-9TF (4-6 ft)	360U	360U	360U	360U	360U	360U	360U	360U	93.0
NES-10TF (0-2 ft)	350U	350U	350U	350U	350U	350U	350U	380U	94.0
NES-10TF (2-4 ft)	1500U	760J	1500U	1500U	1500U	1500U	1500UJ	18000U	91.0
NES-10TF (4-6 ft)	370U	370U	370U	370UJ	370U	370U	370UJ	1400U	89.0
NES-10TF (6-8 ft)	380U	380U	380U	380U	380U	380U	380U	500U	88.0
NES-10TF (8-10 ft)	410U	51J	410U	410U	410U	410U	410U	920U	82.0
NES-10TF (10-11ft)	400U	400U	400U	400U	400U	400U	400U	540U	84.0
NES-11TF (0-2 ft)	350U	350U	350U	350U	350U	350U	350U	910U	94.0
NES-11TF (2-4 ft)	400U	400U	400U	400U	400U	400U	400U	540U	84.0
NES-11TF (4-6 ft)	350U	350U	350U	350U	350U	350U	350U	350U	95.0
NES-11TF (6-8 ft)	350U	350U	350U	350U	350U	350U	350U	570U	94.0
Recommended Soil Cleanup Objective (TAGM 4046)	30	3,400	50,000	50,000	50,000	50,000	50,000	50,000	NA

All results reported in µg/kg (PPB)
u-undetected at the MDL
j-detected below quantitation limit
uj-undetected with trace amount
*Recommended Soil Cleanup Objective, from Table 4, NYSDEC Technical Assistance Guidance Memorandum 4046 (January 1994)
** RCSOs as reported in TAGM 4046

TABLE 3
Summary of Soil Sample Results-Semi-VOCs
Northeast Solite Corporation
Mount Marion, New York

Soil Sample ID (Boring designation and depth)	Semi-volatile Organic Compound								% Solid
	Phenol	1,2,4-Trichloro benzene	Fluorene	Phenanthrene	. Di-n-octyphthalate	Fluoranthene	Pyrene	Bis (2-Ethylhexyl) phthalate	
NES-11TF (8-10 ft)	370U	370U	370U	370U	370U	370U	370U	640U	89.0
NES-11TF (10-12 ft)	480U	480U	480U	480U	480U	480U	480U	690U	69.0
NES-11TF (12-14 ft)	410U	410U	410U	410U	410U	410U	410U	690U	82.0
NES-11TF (14-16 ft)	460U	460U	460U	460U	460U	460U	460U	590U	72.0
NES-12TF (0-2 ft)	360U	360U	360U	360U	360U	360U	360U	360U	93.0
NES-12TF (2-4 ft)	360U	360U	360U	360U	360U	360U	360U	360U	93.0
NES-12TF (4-8 ft)	360U	360U	360U	360U	360U	360U	360U	360U	92.0
NES-12TF (8-10 ft)	360U	360U	360U	360U	360U	360U	360U	360U	93.0
NES-12FT (10-12 ft)	430U	430U	430U	430U	430U	430U	430U	430U	77.0
NES-12FT (12-14 ft)	410U	410U	410U	410U	410U	410U	410U	410U	81.0
NES-13TF (0-2 ft)	370U	370U	370U	370U	370U	370U	370U	370U	90.0
NES-13TF (2-4 ft)	360U	360U	360U	360U	360U	360U	360U	500U	93.0
NES-13TF (4-6 ft)	370U	370U	370U	370U	370U	370U	370U	510U	90.0
NES-13TF (6-8 ft)	380U	380U	380U	380U	380U	380U	380U	380U	88.0
NES-13TF (8-10 ft)	410U	410U	410U	410U	410U	410U	410U	460U	82.0
NES-13TF (10-12 ft)	410U	410U	410U	410U	410U	410U	410U	410U	82.0
NES-13FT (12-13 ft)	390U	390U	390U	390U	390U	390U	390U	390U	85.0
NES-14 Seep (0-2 ft)	400U	400U	400U	400U	400U	400U	400U	400U	84.0
NES-14 Seep (2-4 ft)	410U	410U	410U	410U	410U	410U	410U	410U	81.0
NES-14 Seep (4-6 ft)	440U	440U	440U	440U	440U	440U	440U	440U	76.0
NES-14 Seep (6-8 ft)	440U	440U	440U	440U	440U	440U	440U	440U	76.0
NES-14 Seep (8-10 ft)	400U	400U	400U	400U	400U	400U	400U	400U	83.0
NES-14 Seep (10-12 ft)	430U	430U	430U	430U	430U	430U	430U	430U	77.0
NES-14 Seep (12-14 ft)	420U	420U	420U	420U	420U	420U	420U	420U	80.0
NES-14 Seep (14-16 ft)	420U	420U	420U	420U	420U	420U	420U	420U	79.0
NES-15 BA (0-2 ft)	410U	410U	410U	410U	410U	410U	410U	420U	82.0
NES-15 BA (2-4 ft)	380U	380U	380U	380U	380U	380U	380U	380U	88.0
NES-15 BA (4-5 ft)	390U	390U	390U	390U	390U	390U	390U	390U	85.0
Recommended Soil Cleanup Objective (TAGM 4046)	30	3,400	50,000	50,000	50,000	50,000	50,000	50,000	NA

All results reported in µg/kg (PPB)
u-undetected at the MDL
j-detected below quantitation limit
uj-undetected with trace amount
*Recommended Soil Cleanup Objective, from Table 4, NYSDEC Technical Assistance Guidance Memorandum 4046 (January 1994)
** RCSOs as reported in TAGM 4046

TABLE 4
Summary of Soil Sample Results
Polychlorinated Biphenyls (PCBs)
Northeast Solite Corporation
Mount Marion, New York

Soil Sample ID (Boring designation and depth)	Arochlor							% Solid	Recommended Soil Cleanup Objective (TAGM 4046)*
	1016	1221	1232	1242	1248	1254	1260		
NES-2PP (2-4 ft)	45U	45U	45U	45U	45U	45U	20J	74.0	10,000
NES-8TF (0-2 ft)	35U	35U	35U	35U	35U	35U	160	95.0	1,000
NES-9TF (0-2 ft)	36U	36U	36U	36U	36U	36U	200	91.0	1,000
NES-10TF (0-2 ft)	35U	35U	35U	35U	35U	35U	30J	94.0	1,000
NES-10TF (2-4 ft)	730U	730U	730U	730U	2200J	730U	1100	91.0	10,000
NES-10TF (4-6 ft)	37U	37U	37U	37U	200J	37U	31J	89.0	10,000
NES-10TF (8-10 ft)	41U	41U	41U	41U	140J	41U	85	82.0	10,000
NES-11TF (0-2 ft)	35U	35U	35U	35U	35U	150J	30J	94.0	1,000

All results reported in µg/kg (PPB)
u-undetected at the MDL
j-detected below quantitation limit
uj-undetected with trace amount
*Recommended Soil Cleanup Objective, from Table 3, NYSDEC Technical Assistance Guidance Memorandum 4046 (January 1994), 10,000 ppb for a subsurface soil sample, and 1,000 ppb for a surface soil sample.

TABLE 5
Summary of Groundwater Sample Results-RCRA Metals
Northeast Solite Corporation
Mount Marion, New York

Groundwater Sample ID	RCRA Metal (Atomic symbol in parentheses)							
	Arsenic (As)	Barium (Ba)	Cadmium (Cd)	Chromium (Cr)	Lead (Pb)	Mercury (Hg)	Selenium (Se)	Silver (Ag)
DFT-3	3.7R	75.6	0.5UJ	2.3UJ	2.7UJ	0.1U	3.8R	2.8U
DSP-2-2	3.7R	28.1	0.5UJ	2.3UJ	3.6J	0.1U	3.8R	2.8U
DSP-2-4	3.7R	214	0.65BJ	7.0BJ	2.7UJ	0.1U	3.8R	2.8U
DSP-3	3.7R	43.2B	6.1J	2.3UJ	22.4J	0.1U	11.6R	2.8U
DSP-4	3.7R	53.8B	2.8BJ	2.3UJ	9.9J	0.1U	3.8R	2.8U
DSP-5	3.7U	527	0.50U	2.3U	7.6	0.13B	3.8UJ	2.8U
NES-5RR	3.7R	159B	**43.8J**	**53.2**	**57.9J**	0.1U	3.8R	2.8U
NES-6RR	3.7R	174B	0.5UJ	2.3UJ	2.7UJ	0.1U	3.8R	2.8U
NES-7RR	3.7R	91.0B	0.91BJ	36.4J	**27.4J**	0.1U	3.8R	2.8U
NES-13TF	3.7R	134B	0.5UJ	15.4J	3.8J	0.1U	3.8R	2.8U
NES-15BA	3.7R	391	0.5UJ	6.6BJ	19.5J	0.1U	3.8R	2.8U
NYSDEC Groundwater Quality Standard*	25	1,000	10	50	25	2	10	50

All results reported in µg/l (ppb)
u-undetected at the MDL
j-detected below quantitation limit
uj-undetected with trace amount
*Derived from Article 17 of the Environmental Conservation Law and 6 NYCRR Parts 700-705, Water Quality Regulations

TABLE 6
Summary of Groundwater Sample Results-VOCs
Northeast Solite Corporation
Mount Marion, New York

Groundwater Sample ID	Volatile Organic Compound							
	Vinyl Chloride	Methylene Chloride	Acetone	trans-1,2-Dichloroethene	Trichloroethene	Tetrachlorethene	Toluene	cis-1, 2-Dichloroethene
BR-3	10U	5U	10U	5U	5U	5U	5U	5U
DFT-3	10U	5U	10U	5U	5U	5U	5U	5U
DFT-4	10U	5U	10U	5U	5U	5U	5U	5U
DFT-11	10U	5U	10U	5U	5U	5U	5U	5U
DSP-2-2	10U	5U	10U	5U	5U	5U	5U	5U
DSP-2-4	10U	5U	10U	5U	5U	5U	5U	5U
DSP-3	10U	5U	10U	5U	5U	5U	5U	5U
DSP-4	10U	5U	10U	5U	5U	5U	5U	5U
DSP-5	10UJ	5UJ	10UJ	5UJ	5UJ	5UJ	5UJ	5UJ
NES-5RR	10U	5U	10U	5U	5U	5U	5U	5U
NES-6RR	10U	5U	10U	5U	5U	5U	5U	5U
NES-7RR	10U	5U	10U	5U	5U	5U	5U	5U
NES-13TF	10U	5U	10U	5U	5U	5U	5U	5U
NES-15BA	10U	5U	10U	5U	5U	5U	5U	5U
Production Well	10U	5U	10U	5U	5U	5U	5U	5U
Seep	10UJ	5U	10U	5U	5U	5U	5U	5U
NYSDEC Groundwater Quality Standard*	5	5	5	5	5	5	5	5

All results reported in µg/l (ppb)
u-undetected at the MDL
j-detected below quantitation limit
uj-undetected with trace amount
*-*Derived from Article 17 of the Environmental Conservation Law and 6 NYCRR Parts 700-705, Water Quality Regulations

TABLE 7
Summary of Groundwater/Surface Water Sample Results-Semi-VOCs
Northeast Solite Corporation
Mount Marion, New York

Groundwater Sample ID	Semi-volatile Organic Compound								
	Phenol	Fluorene	4-Nitroaniline	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Di-n-butylphthalate	Bis (2-Ethylhexyl) phthalate
BR-3	5U	5U	25U	5U	5U	5U	5U	2J	5U
DFT-3	5U	5U	25U	5U	5U	5U	5UJ	5U	5U
DFT-4	5UJ	5U	25U	5U	5U	5U	5UJ	2J	5U
DFT-11	5U	5U	25U	5U	5U	5U	5UJ	5U	5U
DSP-2-2	5U	5U	27U	5U	5U	5U	5UJ	1J	5U
DSP-2-4	5U	5U	3J	5U	5U	5U	5UJ	2J	5U
DSP-3	5UJ	5U	25U	5U	5U	5U	5U	5U	5U
DSP-4	5UJ	5U	25U	5U	5U	5U	5U	5U	5U
DSP-5	5UJ	5UJ	26UJ	5UJ	5UJ	5UJ	5UJ	5UJ	5UJ
NES-5RR	5U	5U	25U	5U	5U	5U	5U	5U	5U
NES-6RR	5U	5U	25U	5U	5U	5U	5U	5U	5U
NES-7RR	5U	5U	25U	5U	5U	5U	5U	5U	5U
NES-13TF	5U	5U	25U	5U	5U	5U	5U	5U	6U
NES-15BA	5U	5U	25U	5U	5U	5U	5U	5U	5U
Production Well	5U	5U	25U	5U	5U	5U	5U	5U	5U
Seep	5U	5U	25U	5U	5U	5U	5U	5U	6U
NYSDEC Groundwater Quality Standard*	1	50	5	50	50	50	50	50	50

All results reported in µg/l (PPB)
u-undetected at the MDL
j-detected below quantitation limit
uj-undetected with trace amount
* Derived from Article 17 of the Environmental Conservation Law and 6 NYCRR Parts 700-705, Water Quality Regulations

TABLE 8
Summary of Groundwater Sample Results-Polychlorinated Biphenyls (PCBs)
Northeast Solite Corporation
Mount Marion, New York

Groundwater Sample ID	Arochlor						
	1016	1221	1232	1242	1248	1254	1260
BR-3	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
DFT-3	0.065U	0.065U	0.065U	0.065U	0.065U	0.065U	0.041J
DFT-4	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
DFT-11	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
DSP-2-2	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
DSP-2-4	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
DSP-3	0.065U	0.065U	0.065U	0.065U	0.065U	0.065U	0.065U
DSP-4	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
DSP-5	0.062UJ	0.062UJ	0.062UJ	0.062UJ	0.062UJ	0.062UJ	0.062UJ
NES-5RR	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
NES-6RR	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	**0.13**
NES-7RR	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.025J
NES-13TF	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
NES-15BA	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
Production Well	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U
Seep	0.062U	0.062U	0.062U	0.062U	0.062U	0.062U	0.074
Surface Water	0.065U	0.065U	0.065U	0.065U	0.065U	0.065U	0.065U
NYSDEC Groundwater Quality Standard*	0.1	0.1	0.1	0.1	0.1	0.1	0.1

All results reported in mg/kg (PPM)
u-undetected at the MDL
j-detected below quantitation limit
uj-undetected with trace amount
*Derived from Article 17 of the Environmental Conservation Law and 6 NYCRR Parts 700-705, Water Quality Regulations