BEC TRUCKING SITE
3201 STEWART ROAD
BROOME COUNTY
VESTAL, NEW YORK

SITE MANAGEMENT PLAN

NYSDEC Site Number: 704007 (CLASS "4")
USEPA ID Number: NYD980768675 (DELISTED)

Prepared for:

Downside Risk, Inc.
200 Plaza Drive
Vestal, New York 13850

Prepared by:

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Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date

MARCH 1, 2022

CERTIFICATION STATEMENT

I FORREST EARL, P.G. certify that I am currently a Qualified Environmental Professional as in defined in 6 NYCRR Part 375 and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

QEP

3-1-22

DATE

TABLE OF CONTENTS

BEC TRUCKING SITE

BROOME COUNTY

VESTAL, NEW YORK

SITE MANAGEMENT PLAN

Table of Contents

List of Tables Within Body of SMP

List of Figures

List of Data Tables

List of Appendices

List of Acronyms

AS	Air Sparging
ASP	Analytical Services Protocol
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
C/D	Construction and Demolition
CFR	Code of Federal Regulation
CLP	Contract Laboratory Program
COC	Certificate of Completion
CO2	Carbon Dioxide
CP	Commissioner Policy
DER	Division of Environmental Remediation
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
ERP	Environmental Restoration Program
GHG	Green House Gas
GWE&T	Groundwater Extraction and Treatment
HASP	Health and Safety Plan
IC	Institutional Control
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
PID	Photoionization Detector
PRP	Potentially Responsible Party
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RP	Remedial Party
SAC	State Assistance Contract
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Soil Management Plan
SOP	Standard Operating Procedures
SOW	Statement of Work
SPDES	State Pollutant Discharge Elimination System
SSD	Sub-slab Depressurization

SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VCA	Voluntary Cleanup Agreement
VCP	Voluntary Cleanup Program

ES EXECUTIVE SUMMARY

The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring and reporting activities required by this Site Management Plan:

Site Identification: Site Identification No. 704007

Site Name and Address: BEC Trucking Site, 3201 Stewart Road, Broome County, Vestal, New York

Institutional Controls:	• The property may be used for commercial or industrial use; • The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Broome County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department. • Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP; • All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP; • Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Easement; • Vegetable gardens and farming on the site are prohibited.

Inspections:	Frequency
Site-Wide Inspection	Annually
Monitoring	None

Site Identification: Site Identification No. 704007

Site Name and Address: BEC Trucking Site, 3201 Stewart Road, Broome County, Vestal, New York

Maintenance:	None
Reporting:	
Inspections	Annually
Periodic Review Report	Every 5 years

Further descriptions of the above requirements are provided in detail in the later sections of this Site Management Plan.

1.0 INTRODUCTION

1.1 General

This Site Management Plan (SMP) is a required element of the remedial program for the BEC Trucking Site located in Vestal, Broome County, New York (hereinafter referred to as the "Site"). See Figure 1. The Site is a Class 4 site on the New York State (NYS) Registry of Inactive Hazardous Waste Disposal sites, Site No. 704007, which is administered by New York State Department of Environmental Conservation (NYSDEC).

The Site location is shown on Figure 1. The Site boundaries are shown on Figure 2.

After completion of the remedial work, some contamination was left at this Site, which is hereafter referred to as "remaining contamination". Institutional controls (ICs) have been incorporated into the site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement (Easement) which grants access to the NYSDEC, and recorded with the Broome County Clerk, requires compliance with this SMP and all ICs placed on the Site.

This SMP was prepared to manage remaining contamination at the Site until the Easement is extinguished in accordance with ECL Article 71, Title 36. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantor of the Easement and the grantor's successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

It is important to note that:

- This SMP details the site-specific implementation procedures that are required by the Easement. Failure to properly implement the SMP is a violation of the Easement, which is grounds for revocation of the Order on Consent.
- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6NYCRR Part 375 and the Order on Consent for the site, and thereby subject to applicable penalties.

All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State. A list of contacts for persons involved with the Site is provided in Appendix A of this SMP.

This SMP was prepared by GeoLogic NY, P.C., on behalf of Downside Risk, Inc., in accordance with the requirements of the NYSDEC's DER-10 ("Technical Guidance for Site Investigation and Remediation"), dated June 2010, and the guidelines provided by the NYSDEC. This SMP addresses the means for implementing the ICs that are required by the Easement for the Site.

1.2 Revisions

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. The NYSDEC can also make changes to the SMP or request revisions from the remedial party. Revisions will be necessary upon, but not limited to, the following occurring: a post-remedial removal of contaminated sediment or soil, or other significant change to the Site conditions. In accordance with the Easement for the Site, the NYSDEC will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

1.3 Notifications

Notifications will be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER – 10 for the following reasons:

- Written 60-day advance notice of any proposed changes in site use that are required under the terms of the Order on Consent, 6NYCRR Part 375 and/or Environmental Conservation Law.
- 7-day advance notice of any field activity associated with the remedial program.
- Written 15-day advance notice of any proposed ground-intrusive activity pursuant to the Excavation Work Plan (EWP). If the ground-intrusive activity qualifies as a change of use as defined in 6 NYCRR Part 375, the above mentioned 60-day advance notice is also required.

Any change in the ownership of the Site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the Order on Consent, and all approved work plans and reports, including this SMP.
- Within 15 days after the transfer of all or part of the Site, the new owner's name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

Table I includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in Appendix A.

Table I: Notifications*

Name	Contact Information	Required Notification
NYSDEC Project Manager Gary Priscott, P.G.	(607) 775-2545 gary.priscott@dec.ny.gov	All Notifications
NYSDEC Site Control Kelly A. Lewandowski, P.E.	(518) 402-9547 kelly.lewandowski@dec.ny.gov	All Notifications
NYSDOH Project Manager		

* Note: Notifications are subject to change and will be updated as necessary.

2.0 Summary of Previous Remedial Investigations and Remedial Actions

2.1 Site Location and Description

The Site is located in Vestal, Broome County, New York and is identified as Section 158.11 Block 1 and Lot 15 on the Vestal Tax Map (see Figure 3). The Site is an approximately 3.56-acre area and is bounded by a car rental facility and undeveloped land to the north, Stewart Road, a

big box retailer, dental office, small retail plaza and vacant land to the south, a towing business and car rental facility to the east, and an unnamed surface water feature and wetland to the west (see Figure 2 – Site Layout Map). The figure includes the Site boundary, the institutional control boundary and tax parcels. The boundaries of the Site are more fully described in Appendix D – Easement. The owner of the Site parcel at the time of issuance of this SMP is Downside Risk, Inc.

2.2 Physical Setting

2.2.1 Land Use

The Site consists of the following: a fenced and locked (gated) area with six slab-on-grade storage unit buildings and driveways. The Site is zoned industrial and is currently utilized by a commercial business. The Site occupant is Vestal Storage, LLC, a commercial business for indoor and outdoor storage. Six storage buildings have been constructed on the Site, see site features on Figure 4. There is an easement for an existing Buckeye Pipeline on the western portion of the Site.

The properties adjoining the Site, and in the neighborhood surrounding the Site, primarily include commercial and residential properties. The properties immediately south of the Site include commercial properties; the properties immediately north of the Site include commercial properties; the properties immediately east of the Site include commercial properties; and the properties to the west of the Site include an unnamed surface water feature (mapped wetland) with residential properties further to the west.

2.2.2 Geology

The Site is located in the glaciated portion of the Appalachian Plateau Physiographic Province. The bedrock underlying the Site consists of Late Devonian shales interbedded with sandstones of the West Falls Group. Data presented in the EPA's RI reported that the overburden at the Site has been divided into seven units:

Sand – Ice Contact Deposit. A poorly sorted sand deposit containing 20-30 percent gravel directly overlying the bedrock. The unit is approximately 9 feet thick at the center of the Site.

Silt Sand – Outwash Deposit. A silty fine sand overlying the lower sand. The unit is approximately 9.5 feet thick at the center of the Site.

Silt and Silty Clay – Outwash Deposit. A silt and silty clay deposit. The unit is approximately 11 feet thick at the center of the Site and at the ground surface at off-site locations north and northwest of the Site.

Sand and Gravel – Outwash/braided Stream Deposit. Isolated outwash/braided stream channel deposits of sand and gravel are present throughout the silt and silty clay outwash deposit.

Silty Clay – Lacustrine Deposit. This is the uppermost unit of undisturbed sediments and it consists of clay and silty clay. The unit is 3 to 8 feet thick and pinches out west and northwest of the Site.

Fly Ash Fill. Fly ash fill overlies the natural sediments in the southern and central portion of the Site. The thickness of the fly ash fill is 4 to 12 feet.

Fill. The uppermost unit on the Site is fill consisting of silt and very fine sand. The thickness of this unit is 1.5 to 2.3 feet.

A geologic cross section from data gathered in the 1980's by the EPA is shown on Figure 5. Site specific test pit logs, boring logs and monitoring well sketches are provided in Appendix E.

2.2.3 Hydrogeology

There are two aquifers in the vicinity of the Site. The unconsolidated deposits that overlie the bedrock constitute the upper aquifer. The thickness of the upper aquifer varies from zero feet

where bedrock outcrops to over 100 feet near the Susquehanna River that is located to the north of the Site. The regional permeability of the upper aquifer is generally low in the glacial till and the stratified glacial deposits (silt and clay lacustrine deposits) and is generally high in the sand and gravel outwash deposits.

The underlying bedrock constitutes the lower aquifer. Groundwater flow and storage in the lower aquifer occur predominantly in the secondary permeability in the shale bedrock.

The regional groundwater flow direction is to the northwest, toward the Susquehanna River. The Site overlies the Endicott-Johnson City Primary Water Supply Aquifer.

Six groundwater monitoring wells installed at and adjacent to the Site in 1988. The groundwater occurs under confined conditions under most of the Site, with the silty clay layer acting as the confining layer. The silty clay layer pinches out to the northwest and groundwater in that area occurs under unconfined conditions. The unnamed surface water feature and marsh located adjacent to the site (west and northwest of the Site) is a groundwater discharge area.

Depth to groundwater at the Site ranges from approximately 1.08 feet (MW-5) to 9.81 feet (MW-2A) below the ground surface. Groundwater elevation data is provided in Table 1. Direction of groundwater flow at the Site is in a northwesterly direction. A groundwater contour map is shown on Figure 6. Groundwater monitoring well construction logs are provided in Appendix E. There are currently no known monitoring wells that are accessible for this Site.

The Town of Vestal obtains water from six municipal water supply wells. The municipal wells that are closest to the Site are wells 4-2, 4-3 and 4-4 and are located on Prentice Road, approximately one mile north of the Site.

2.3 Investigation and Remedial History

The following narrative provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site. This

narrative is based on reports prepared for the US EPA and the NYSDOH, see Section 6.0 – References.

The Site was unimproved prior to mid-1960's when HEIL Trucking purchased the property and placed fill (including fly ash) to raise the ground level. HEIL Trucking stored trucks and tankers at the Site. Binghamton Equipment Company (BEC) Trucking, the successor to HEIL Trucking, used the Site for truck maintenance and truck body fabrication. Bankruptcy Court took possession of the Site on September 1, 1981.

In 1982, the NYSDEC found 50 improperly stored drums at the Site. Investigators also identified stained soil where spills had occurred around the drums.

In 1983, a former owner of the Site (COGS, Inc.) removed 30 empty drums and 20 drums containing waste motor oil, metal cutting oil, paint thinners, solvents, methanol, toluene and petroleum distillates. Downside Risk, Inc. completed purchase of the Site in 1986 and used the Site for storage of materials related to their construction business. Stained soil from around the drums was excavated and placed into drums that were removed by the EPA in 1991.

The Site was added to National Priorities List (NPL) in January 1983 based on the potential for exposure to contaminated groundwater "as a result of activities which allegedly occurred on Site." Contaminants were found in the removed drums, but not in the groundwater prior to the preliminary hazard ranking that was used to place the Site on the NPL. The United States Environmental Protection Agency's (EPA) report indicated that the Site would **not** have been listed on the NPL with the data that they collected and presented in the 1989 Final Remedial Investigation (RI).

The EPA RI identified five potential source areas of contamination on the Site, see Figure 7. These potential source areas are as follows:

Former drum storage area – no major contaminants identified.
Southeast corner of the site – polycyclic aromatic hydrocarbons (PAHs) identified.
Oil/Gasoline seep area – lead, volatile organics and PAHs identified.

Drainage ditch area – lead and PAHs identified.
Fly ash fill area – arsenic identified.

The field sampling and the risk assessment completed as part of the EPA remedial investigation (RI) revealed limited and low-level contamination as follows:

Carcinogenic polycyclic aromatic hydrocarbons (cPAHs), e.g. benzo(a)pyrene and chrysene, in surface soils and sediments.
Benzene in groundwater.
Arsenic in groundwater.

During the course of the RI, an in-ground oil seep/leak was observed entering the drainage ditch on the east side of the Site. Subsequent investigations by NYSDEC revealed the seep/leak was directly related to an underground storage tank on the adjoining oil terminal property, which contained leaded gasoline and diesel fuel. Remedial activities were undertaken by the adjacent property owner.

Low levels of benzene and arsenic were detected in groundwater underlying the Site. Sediments and surface soils had low levels of polycyclic aromatic hydrocarbons (PAHs). Arsenic was detected in surface and subsurface soil samples at the Site and determined by EPA to be historic fill (fly ash material) found on the site and throughout the area; adjacent properties. An EPA Risk Assessment revealed minimal risk to human health.

EPA did not identify VOCS or SVOCs as contaminants of concern for the Site and EPA concluded that the selected remedy of the completed removal and monitoring is protective of human health and environment. The potential for impacts relating to vapor intrusion are not a concern considering the identified contaminants of concern and the current commercial use as a storage facility. This Site is in an area that is entirely served by a municipal public water supply.

In 1989, the EPA issued a record of decision (ROD) recommending no further action at the Site. The ROD also called for a monitoring program for groundwater, surface water and sediments to ensure the protection of human health and the environment. Samples were collected

in 1991, and the results indicated that no significant contaminant migration was occurring at the Site. **The Site was delisted by the US EPA from the NPL (October 1992).**

In 1994, the New York State Department of Environmental Conservation (NYSDEC) wrote a letter to Downside Risk, Inc. stating that the Site's Classification was changed from 2 to 4. The letter states the following as the reason for the change:

> The Record of Decision (ROD) dated September 28, 1989 determined "No Further Action" with a monitoring program to ensure the selected remedy continues to be protective of human health and environment. Groundwater will be monitored for heavy metals, polynuclear aromatic hydrocarbons, and volatile organics. The first round of dry and wet weather sampling was performed by EPA which indicate the remedy is protective of human health and environment. The next round of sampling is scheduled for 1996. The future monitoring needs will be reviewed by EPA after the 1996 sampling.

EPA's 1996 sampling exhibited no contaminants of concern exceeding site-specific action levels and the EPA concluded no further monitoring was necessary.

2.4 Remedial Action Objectives

The Remedial Action Objectives (RAOs) for the Site as listed in the EPA Record of Decision dated September 28, 1989 are as follows.

Groundwater

RAOs for Public Health Protection

- EPA concludes that consumption of potentially-contaminated groundwater, through private drinking water wells in the area, is highly unlikely for various reasons:
  Site is zoned industrial, future uses will likely remain industrial.
  Groundwater beneath the Site discharges to the northwester area of the adjacent wetlands, and, therefore, any migration of potentially contaminated groundwater to an off-site downgradient well is unlikely.

New residences in the vicinity would be expected to be connected to the public water supply system, the development of private potable water wells is highly unlikely.
If any potable water wells were to be developed, those wells would likely use the bedrock aquifer system. Groundwater samples collected from the lower portion f the overburden aquifer, just above the bedrock aquifer, did not exhibit elevated levels of the indicator contaminants.

RAOs for Environmental Protection

- Benzene was detected at a concentration of 3 parts per billion (ppb) in groundwater at one monitoring well location, MW-3.
  EPA stated that reduction of benzene in groundwater is not considered to be a RAO due to the petroleum spill that originated from the adjacent property that contains benzene, the fact that the adjacent property is permitted to discharge up to 1 ppb of benzene in its stormwater discharge into the drainage ditch on the east side of the Site and that benzene was found in only one on-site monitoring well at a relatively low level of contamination. The benzene found in the groundwater appears to be related to off-site conditions. They conclude benzene should not pose a significant problem in the future.
- Arsenic was detected at levels of 54 ppb (unfiltered) and 38 ppb (filtered) in the shallow groundwater form only one on-site monitoring well (MW2A). These concentrations are above the NYS groundwater standards.
  EPA stated that reduction of arsenic in groundwater is not considered to be a RAO due to the applicable or relevant and appropriate requirements (ARARs) were minimally exceeded at only one on-site monitoring well, downgradient of the fly ash fill, the arsenic contamination is localized and has leached or is leaching form the on-site deposits of fly ash, no arsenic plume has been identified, thus there is no apparent migration off site, fly ash has been used as fill material in others areas in the Town of Vestal, there has been no documented use of arsenic in past site operations, the fly ash fill has been in place at the site for over 50 years, and the impact of fly ash fill on the Site should not significantly change in the future.

Soil

RAOs for Public Health Protection

- EPA concluded that based on a risk assessment that the only area of concern is the area of cPAH contaminated soil. This result was based on one soil sample which exceeded the risk-based cleanup level.

RAOs for Environmental Protection

- EPA indicated in the ROD that PAHs are common in industrial soils and are produced from various combustion processes. The ROD lists the primary remedial action objective was to consider limiting current and future human exposure to cPAH contaminated soils only. The reported concentrations are near the remedial action objective risk level of one in one million which is the acceptable range as recommended by EPA for a remediation goal. The concentrations of the cPAHS and other organic compounds in the surface soils would tend to be reduced over time through biodegradation; thus, the risk of exposure would also be further reduced.

EPA, in consultation with NYS, determined that the Site does not pose a significant threat to human health and the environment. And selected the “No Further Action” alternative was the selected remedy for the Site. The No Further Action involves performing no further remedial action at the Site to remove, remediate or contain any contaminated soils.

2.5 Remaining Contamination

The contamination remaining at the Site is the same described in section 2.4 above and in the EPA’s RI.

2.5.1 Soil

The New York State Department of Health (NYSDOH) in cooperation with the Agency for Toxic Substances and Disease Registry (ATSDR) completed a Letter Health Consultation for the

Site (dated August 16, 2010). The NYSDOH letter states that the Site was reclassified to Class 4 in 1994 and that the EPA completed the monitoring program in accordance with the ROD and in 1996 concluded that there was no significant migration of contaminants from the Site.

The NYSDOH presented a table summarizing Arsenic exceedances of the Soil Cleanup Objectives (SCOs) for commercial use, see Table 2 and Figure 8.

Asphalt millings have been placed at the ground surface of the Site as part of the redevelopment into an un-manned commercial storage unit business. The areas where Arsenic was found in surface soils has been covered by the asphalt millings and/or by the construction of the storage units.

2.5.2 Groundwater

Results from the EPA sampling of the on-site and off-site monitoring wells is 1988 is depicted on Figure 9.

Wet season and dry season sampling, as outlined in the ROD monitoring program, was completed by Weston in 1991 to verify that the selected No Further Action remedy remained protective to human health and environment. Weston concluded that the “primary contaminants identified during the RI to be at concentrations below the Site action levels. Based upon these results, it does not appear that contaminant migration is occurring as a result of the BEC Trucking Site.” The data from the 1991 sampling events are depicted on Tables 3 and 4. NOTE – there appears to be a typo on the Weston data table for May 1991, lists sample collection date as May 1992, however text of report indicates sampling was completed in May 1991.

2.5.3 Surface Water and Sediment

Results from the EPA sampling of surface water and sediments from 1988 is depicted on Figure 10.

Wet season and dry season sampling, as outlined in the ROD monitoring program, was completed by Weston in 1991 to verify that the selected No Further Action remedy remained protective to human health and environment. Weston concluded that the “primary contaminants

identified during the RI to be at concentrations below the Site action levels. Based upon these results, it does not appear that contaminant migration is occurring as a result of the BEC Trucking Site." The data from the 1991 sampling events are depicted on Tables 3 and 4. NOTE – there appears to be a typo on the Weston data table for May 1991, lists sample collection date as May 1992, however text of report indicates sampling was completed in May 1991.

Wet season and dry season sampling, as outlined in the ROD monitoring program, was completed by Weston in 1996 to verify that the selected No Further Action remedy remained protective to human health and environment. Weston concluded that the "surface water and sediment quality data collected during in May 1996 and September 1996 did not exceed site-specific action levels for any site-related contaminants of concern." The data from the 1996 sampling events are depicted on Tables 5, 6, 7, 8, 9 and 10. NOTE – there is no groundwater monitoring well data in the 1996 report.

3.0 Institutional Control Plan

3.1 General

Since remaining contamination exists at the site, Institutional Controls (ICs) are required to protect human health and the environment. This IC Plan describes the procedures for the implementation and management of all ICs at the site. The IC Plan is one component of the SMP and is subject to revision by the NYSDEC project manager.

This plan provides:

- A description of all ICs on the Site;
- The basic implementation and intended role of each IC;
- A description of the key components of the ICs set forth in the Easement;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of ICs, such as the implementation of the Excavation Work Plan (EWP) (as provided in Appendix

B) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the site; and

- Any other provisions necessary to identify or establish methods for implementing the ICs required by the site remedy, as determined by the NYSDEC project manager.

3.2 Institutional Controls

A series of ICs is required by the Decision Document to: (1) prevent future exposure to remaining contamination; and, (2) limit the use and development of the Site to commercial or industrial uses only. Adherence to these ICs on the Site is required by the Easement and will be implemented under this SMP. ICs identified in the Easement may not be discontinued without an amendment to or extinguishment of the Easement. The IC boundaries are shown on Figure 2. These ICs are:

- The property may be used for commercial or industrial use;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Broome County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Easement.
- Vegetable gardens and farming on the site are prohibited;

3.3 Site – wide Inspection

Site-wide inspections will be performed at a minimum of once per year. Modification to the frequency or duration of the inspections will require approval from the NYSDEC. Site-wide inspections will also be performed after all severe weather conditions that may affect the

remaining contamination at the Site. A comprehensive site-wide inspection will be conducted and documented according to the SMP schedule, regardless of the frequency of the Periodic Review Report.

During an inspection, an inspection form will be completed as provided in Appendix G – Site Management Forms. The inspections will determine and document the following:

Compliance with all ICs, including Site usage;

- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Easement;
- If site records are complete and up to date.

Reporting requirements are outlined in Section 5.0 of this plan.

Inspections will also be performed in the event of an emergency. An inspection of the Site will be conducted within 5 days of the event to verify the effectiveness of the ICs implemented at the Site by a qualified environmental professional, as determined by the NYSDEC. Written confirmation must be provided to the NYSDEC within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

4.0. Reporting Requirements

4.1 Site Management Reports

All site management inspection events will be recorded on the appropriate site management forms provided in Appendix G. These forms are subject to NYSDEC revision. All site management inspection events will be conducted by a qualified environmental professional

as defined in 6 NYCRR part375, a PE who is licensed and registered in New York State, or a qualified person who directly reports to a PE who is licensed and registered in New York State.

All applicable inspection forms and other records, including media sampling data generated for the Site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of Table II and summarized in the Periodic Review Report.

Table II: Schedule of Inspection Reports

Task/Report	Reporting Frequency*
Inspection Report	Annually
Periodic Review Report	Every 5 Years

* The frequency of events will be conducted as specified until otherwise modified by the NYSDEC.

All inspections reports will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring/inspection activities;
- Description of the activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);
- Any observations, conclusions, or recommendations; and
- A determination as to whether contaminant conditions have changed since the last reporting event.

Non-routine event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;

- Description of non-routine activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet).

Annual or non-routine inspection reports should be submitted to the NYSDEC within 7 days of an inspection, in which, the qualified environmental professional finds compromised effectiveness of the ICs implemented at the site. The report must include summary of actions taken, or to be taken, and the potential impact to the environment and the public.

4.2 Periodic Review Report

The Periodic Review Report will consist only of the certification as specified in Section 4.2.1 except in the event where there have been changes to the site or data gathered during the certifying period. Given such an event, the submittal of a comprehensive PR report will be necessary, as specified below.

A Periodic Review Report (PRR) will be submitted to the NYSDEC project manager sixteen (16) months after the Order on Consent is issued. After submittal of the initial Periodic Review Report, the next PRR shall be submitted every fifth year to the NYSDEC project manager or at another frequency as may be subsequently required by the NYSDEC project manager. In the event that the Site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the Site described in Appendix D – Easement. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 30 days of the end of each certification period. Media sampling results will also be incorporated into the Periodic Review Report. The report will include:

- Identification, assessment and certification of all ICs required by the remedy for the site.
- Results of the required annual site inspections and severe condition inspections, if applicable.
- All applicable site management forms and other records generated for the site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.

- A summary of any data and/or information generated during the reporting period, with comments and conclusions, if any
- A site evaluation, which includes the following:
  - The compliance of the remedy with the requirements of the site-specific RAWP, ROD or Decision Document;
  - Any new conclusions or observations regarding site contamination based on inspections or data generated;
  - Recommendations regarding any necessary changes to the remedy; and
  - The overall performance and effectiveness of the remedy.

4.2.1 Certification of Institutional Controls

At the end of each certifying period, as determined by the NYSDEC project manager, the following certification will be provide to the NYSDEC project manager.

"For each institutional control identified for the site, I certify that all of the following statements are true:

- *The institutional control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*
- *Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*
- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the site is compliant with the Easement.*
- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner or Owner's Designated Site Representative] (and if the site consists of multiple properties): [and I have been authorized and designated by all site owners to sign this certification] for the site."

The signed certification will be included in the Periodic Review Report.

The Periodic Review Report will be submitted, in electronic format, to the NYSDEC project manager, and the NYSDOH project manager. The Periodic Review Report may need to be submitted in hard-copy format, as requested by the NYSDEC project manager.

4.3 Corrective Measures Work Plan

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional control, a Corrective Measures Work Plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by the NYSDEC. Upon completion of the Corrective Measure, a signed certification form must be submitted to the Department.

5.0 References

6NYCRR Part 375, Environmental Remediation Programs. December 14, 2006.

NYSDEC DER-10 – “Technical Guidance for Site Investigation and Remediation”.

NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).

US EPA, June 1989. Final Remedial Investigation Report prepared for the prepared for the EPA by Ebasco Services Incorporated.

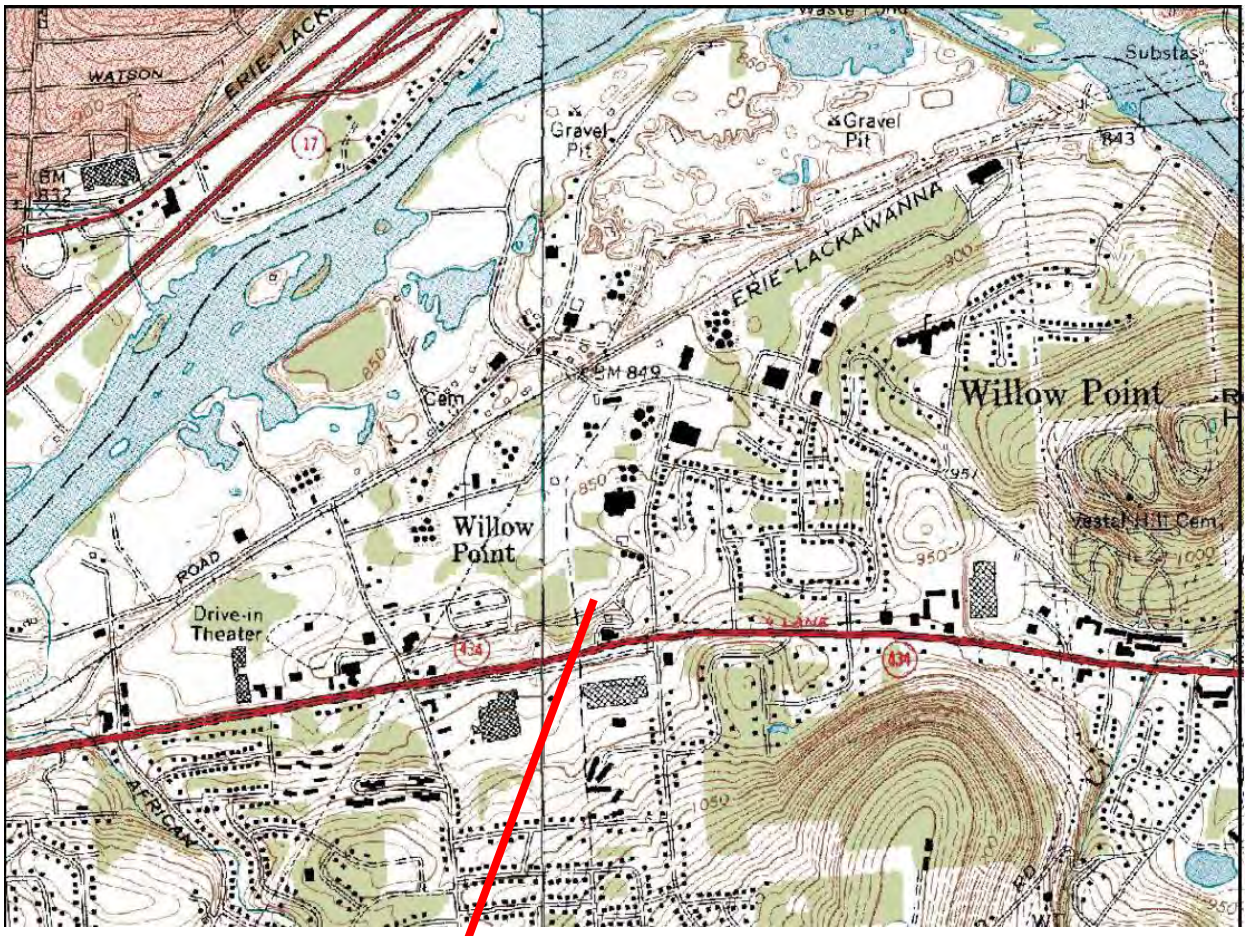
US EPA, September 1989, Superfund Record of Decision, BEC Trucking, NY.

Weston, July 1992, Report to US EPA, Preliminary Findings Report for the Wet Season (May 1991) and Dry Season (1991) Sampling at BEC Trucking Site.

Weston, January, 1997, Report to US EPA, Draft Environmental Assessment Report – 1996, BEC Trucking Site.

NYSDOH, August 16, 2010, Letter Health Consultation, BEC Trucking Site, Site #704007, Vestal, Broome County, EPA ID# NYD980768675.

FIGURES



Site Location

N

Project North

GeoLogic

GeoLogic NY, P.C.

SITE LOCATION MAP
BEC TRUCKING SITE
VESTAL, NEW YORK
SITE NO. 704007

DRAWN BY:	SCALE:	PROJECT NO:
SEM	Not To Scale	220014
REVIEWED BY:	DATE:	FIGURE NO:
FCE	JUNE 2020	1

Broome County Parcel Mapper

DISCLAIMER: Broome County does not guarantee the accuracy of the data presented. Information should be used for illustrative purposes only.

N

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GeoLogic

GeoLogic NY, P.C.

SITE LAYOUT
BEC TRUCKING SITE
VESTAL, NEW YORK
SITE NO. 704007

DRAWN BY:	SCALE:	PROJECT NO:
SEM	Not To Scale	220014
REVIEWED BY:	DATE:	FIGURE NO:
FCE	JUNE 2020	2

Broome County Parcel Mapper

DISCLAIMER: Broome County does not guarantee the accuracy of the data presented. Information should be used for illustrative purposes only.

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Project North

GeoLogic

GeoLogic NY, P.C.

TAX MAP PARCEL NUMBERS
BEC TRUCKING SITE
VESTAL, NEW YORK
SITE NO. 704007

DRAWN BY:	SCALE:	PROJECT NO:
SEM	Not To Scale	220014
REVIEWED BY:	DATE:	FIGURE NO:
FCE	JUNE 2020	3

SITE DATA

TAX MAP NO.: 158.11-1-15 (3201 STEWART ROAD)

ZONING DISTRICT: INDUSTRIAL (I)

DESCRIPTION	REQUIRED	PROPOSED
MINIMUM LOT SIZE	22,500 SF	3.56± ACRES
MINIMUM LOT FRONTAGE	150 LF	448± FT
MINIMUM YARD DIMENSIONS (PRINCIPAL)		
FRONT	30 LF	30.03 LF
REAR	15 LF	79.51 LF
SIDE	15 LF	38.52 LF
MAXIMUM BUILDING HEIGHT	60 FT (5 STORY)	16± FT

GENERAL NOTES

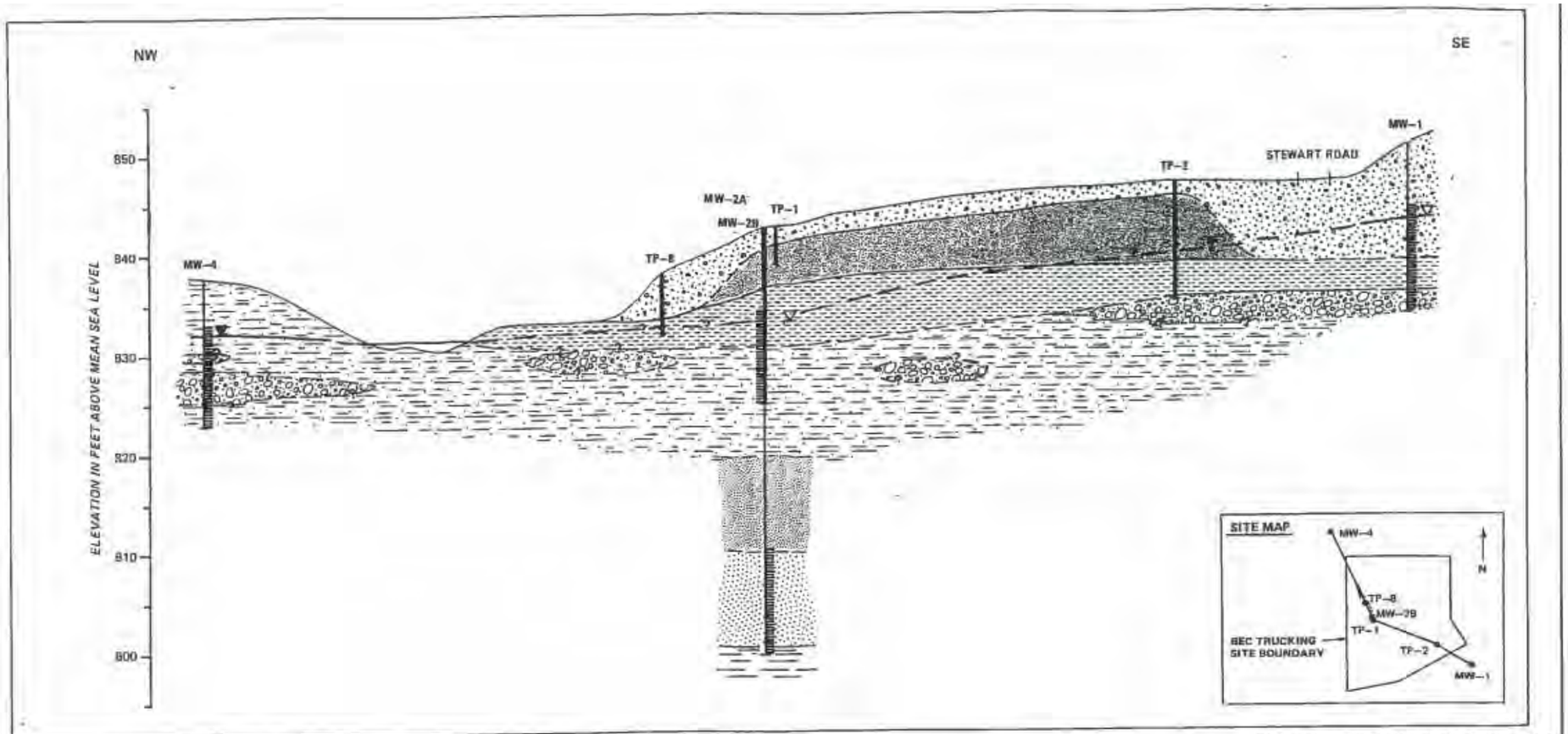
1. THE CONTRACTOR SHALL COORDINATE ALL WORK THROUGH THE OWNER/DEVELOPER. ALL NECESSARY PERMITS AND APPROVALS SHALL BE OBTAINED PRIOR TO COMMENCING WORK.
2. THE CONTRACT BOUNDARY IS CONSISTENT WITH THE PROPERTY LINE UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL CONFIRM THE CURRENT CONDITION OF THE PROJECT SITE VERSUS THE PROJECT PLANS AND NOTIFY THE OWNER AND DESIGN ENGINEER IN WRITING OF ANY CONFLICTS PRIOR TO COMMENCEMENT OF CONSTRUCTION. COMMENCEMENT WITHOUT ANY NOTIFICATION INDICATES THE CONTRACTOR'S ACCEPTANCE OF THE PROJECT PLANS.
4. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKEOUT.
5. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF UNDERGROUND UTILITY LOCATIONS BEFORE COMMENCING WORK AS THEY ARE NOT GUARANTEED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY DIG SAFELY NY (FORMERLY UFPO) 1-800-962-7962 (OR 811) IN ACCORDANCE WITH 16 NYCRR PART 753.
6. ANY AREAS OUTSIDE OF THE PROJECT LIMITS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR PRIOR CONDITION TO THE ACCEPTANCE OF THE OWNER. ANY PAVEMENT OR RIGHT-OF-WAY RESTORATION SHALL BE DONE TO THE SATISFACTION OF THE APPROPRIATE GOVERNMENT ENTITY.
7. TRACKING AND DEPOSITION OF MUD AND DEBRIS ON TOWN, COUNTY, OR NYSDOT HIGHWAYS IS NOT ALLOWED. IMMEDIATE CLEANUP AND REMEDIATION IS REQUIRED.
8. BOUNDARY SURVEY INFORMATION WAS OBTAINED FROM A SURVEY PREPARED BY JOHN F. PURDY SERVICES, TITLED "SURVEY FOR WALSH & SONS CONSTRUCTION CORP." DATED JANUARY 23, 1987 (ADJUSTED TO TRUE NORTH FOR THIS PROJECT). TOPOGRAPHIC INFORMATION WAS SUPPLEMENTED FROM 2018 AERIAL PHOTO REVIEW AND 2007 FEMA 2FT LIDAR. IT IS THE BASE INFORMATION USED TO PREPARE THE WORK INDICATED ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR THEIR OWN INTERPRETATIONS OF THESE DOCUMENTS, CONFIRMATION OF EXISTING GRADES AND PROPERTY LINE LOCATIONS, AND SHALL PROVIDE FOR STAKEOUT SURVEY.
9. URDA ENGINEERING, PLLC, IS NOT RESPONSIBLE FOR CONSTRUCTION OBSERVATION OR COORDINATION, AND SHALL NOT BE HELD ACCOUNTABLE FOR THE PERFORMANCE OF ANY CONTRACTORS.
10. BUILDINGS DO NOT HAVE GUTTERS OR ROOF DRAINS.
11. NO DUMPSTER ON-SITE.
12. FIRE DEPARTMENT KNOX BOX TO BE PROVIDE; COORDINATE WITH CODE OFFICE.
13. SITE DISTURBANCE IS LESS THAN ONE ACRE AS THE SITE IS AN EXISTING COMPACTED GRAVEL SURFACE THAT WILL NOT BE DISTURBED. A SPDES PERMIT IS NOT REQUIRED PER NYSDEC.
14. STORAGE BUILDING UNITS ARE TO BE CONSTRUCTED ON CONCRETE SLABS.

WALSH & SONS CONSTRUCTION
200 PLAZA DRIVE
VESTAL, NEW YORK 13850
Phone: (607) 729-0670

SITE PLAN

3201 STEWART ROAD STORAGE FACILITY

DATE: 01/10/22	DRAWN BY: *RB*	REVISION:
SCALE: 1"=30'-0"	DWG. NO:	SHEET: 01 OF 01



EXPLANATION

- ML — FILL, SILT and very fine SAND, pale to moderate to dark yellowish brown (10 YR 6/2, 5/4, 4/2), with 10 – 30% subrounded gravel and cobbles, loose, dry to moist.
- FILL, predominantly Fly Ash, SILT, medium to olive gray (N 5, 5 Y 4/1), slightly cohesive, with 10 – 15% subrounded gravel and cobbles, loose, dry to moist.
- CL/CH — Silty CLAY and CLAY, light olive gray to olive gray (5 Y 5/2, 5 Y 4/1), medium to high plasticity, soft to medium stiff, moist to wet, including decaying organic matter.
- ML/CL — SILT and Silty CLAY, moderate to dusky yellowish brown (10 YR 5/4, 2/2), with 10 – 30% very fine to fine sand, low plasticity, loose to medium stiff or dense, moist to wet.
- ML/GM — Silty fine to coarse SAND, moderate yellowish brown to brown (10 YR 5/4, 5 Y 3/4), with 20 – 35% subrounded gravel, loose to medium dense, wet.
- SM — Silty fine SAND, grayish brown (5 YR 3/2), well sorted, angular to subangular, loose, wet.
- SW — Fine SAND, grayish brown (5 YR 3/2), poorly sorted, subangular, with 20 – 30% subrounded gravel, medium dense, wet.
- BEDROCK – weathered SHALE
- MONITORING WELL SCREENED INTERVAL
- POTENTIOMETRIC SURFACE

NOTE: TEST PITS WERE BACKFILLED IMMEDIATELY AFTER EXCAVATION, THEREFORE WATER LEVELS WERE NOT MEASURED.

HORIZONTAL SCALE: 1" = 60'

VERTICAL EXAGGERATION: 5:1

U.S. ENVIRONMENTAL PROTECTION AGENCY
BEC TRUCKING SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY

EBASCO SERVICES INCORPORATED

GEOLOGIC CROSS SECTION

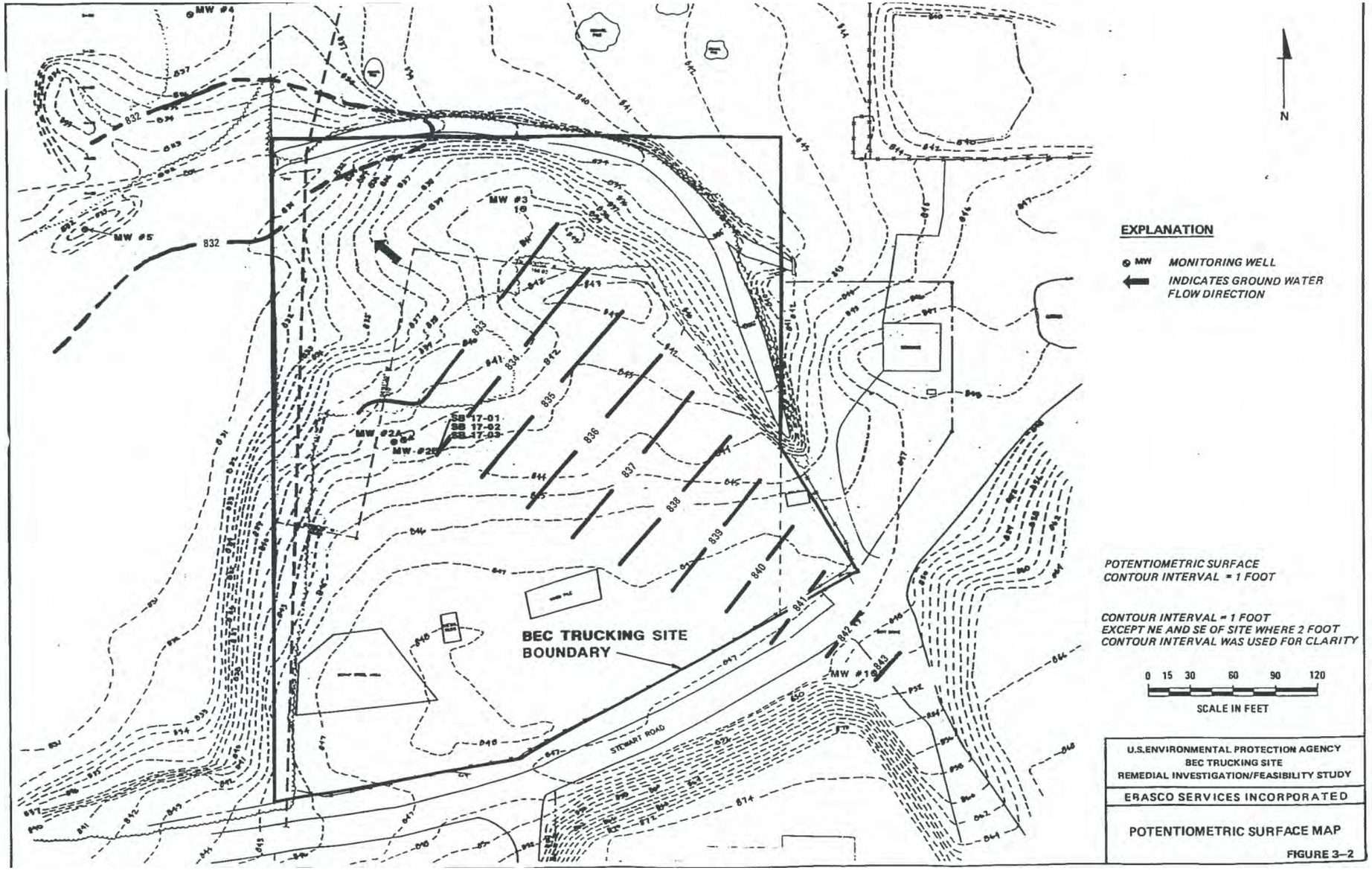
FIGURE 3–1

GeoLogic

GeoLogic NY, P.C.

GEOLOGIC CROSS SECTOIN
BEC TRUCKING SITE
VESTAL, NEW YORK
SITE NO. 704007

DRAWN BY:	SCALE:	PROJECT NO:
SEM	Not To Scale	220014
REVIEWED BY:	DATE:	FIGURE NO:
FCE	JUNE 2020	5



N

Project North

GeoLogic

GeoLogic NY, P.C.

GROUNDWATER CONTOUR MAP
BEC TRUCKING SITE
VESTAL, NEW YORK
SITE NO. 704007

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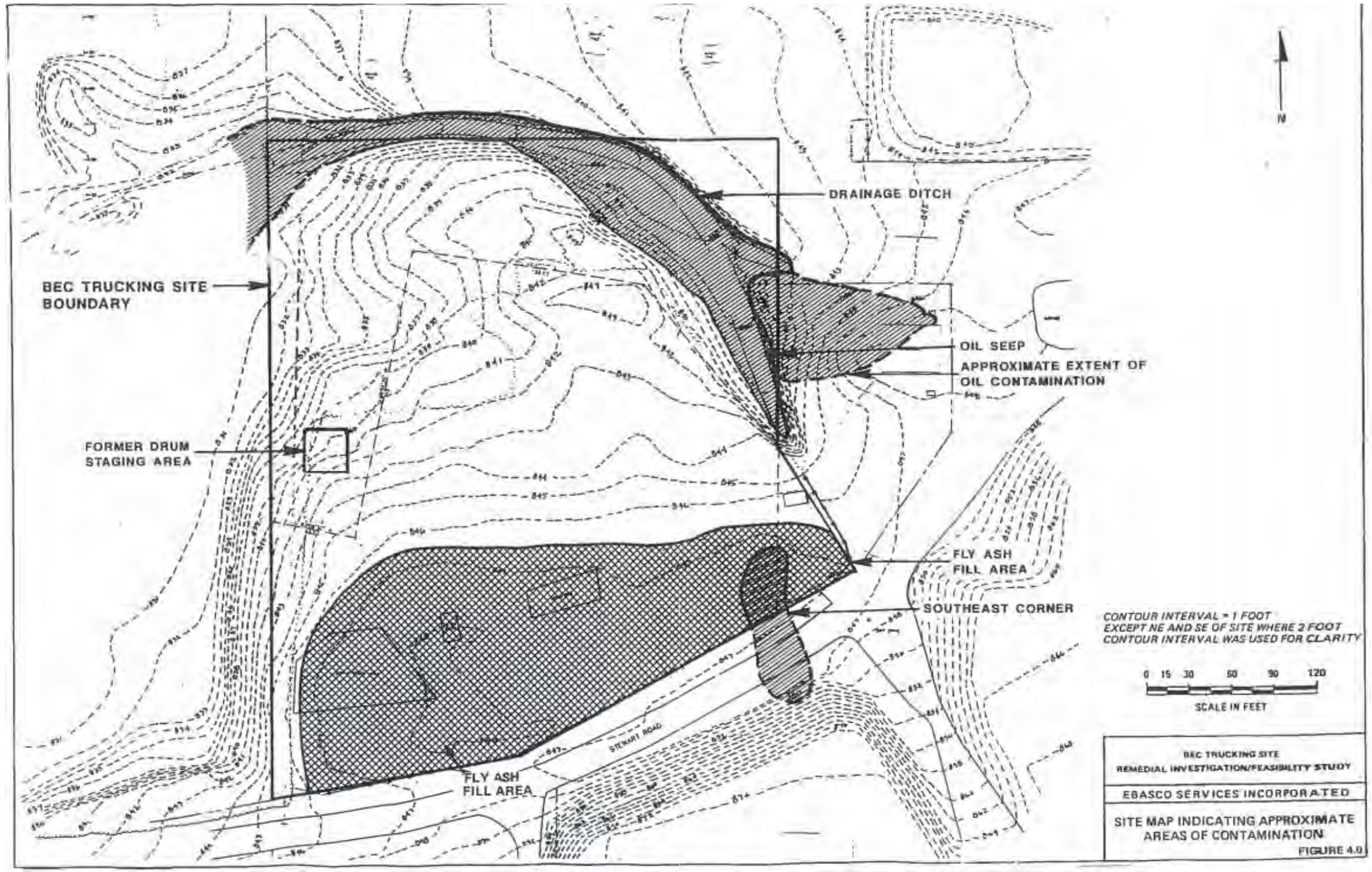
SEM	Not To Scale	220014
REVIEWED BY:	DATE:	FIGURE NO:
FCE	JUNE 2020	6



GeoLogic

GeoLogic NY, P.C.

POTENTIAL SOURCE AREAS OF CONTAMINATION
BEC TRUCKING SITE
VESTAL, NEW YORK
SITE NO. 704007

DRAWN BY:	SCALE:	PROJECT NO:
SEM	Not To Scale	220014
REVIEWED BY:	DATE:	FIGURE NO:
FCE	JUNE 2020	7

BEC Trucking site map showing locations of surface soil sampling points and arsenic results that exceed NYS SCO's for commercial use.

N

Project North

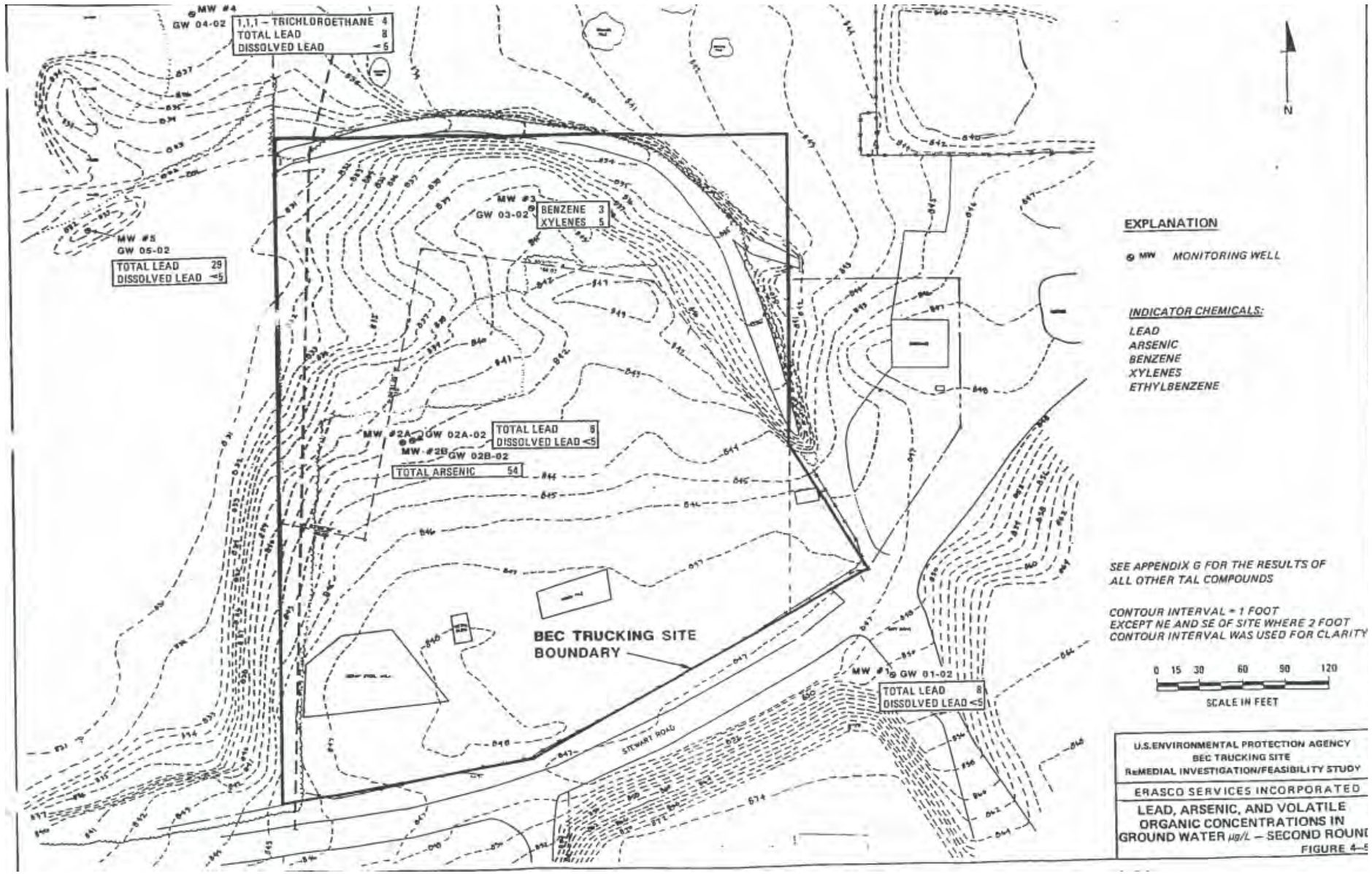
Source: NYSDOH Letter Health Consultation dated August 16, 2010.

GeoLogic

GeoLogic NY, P.C.

ARSENIC RESULTS EXCEEDING SCOs
BEC TRUCKING SITE
VESTAL, NEW YORK
SITE NO. 704007

DRAWN BY:	SCALE:	PROJECT NO:
SEM	Not To Scale	220014
REVIEWED BY:	DATE:	FIGURE NO:
FCE	JUNE 2020	8



GeoLogic

GeoLogic NY, P.C.

PB, AS, VOCS IN GROUNDWATER 1988
BEC TRUCKING SITE
VESTAL, NEW YORK
SITE NO. 704007

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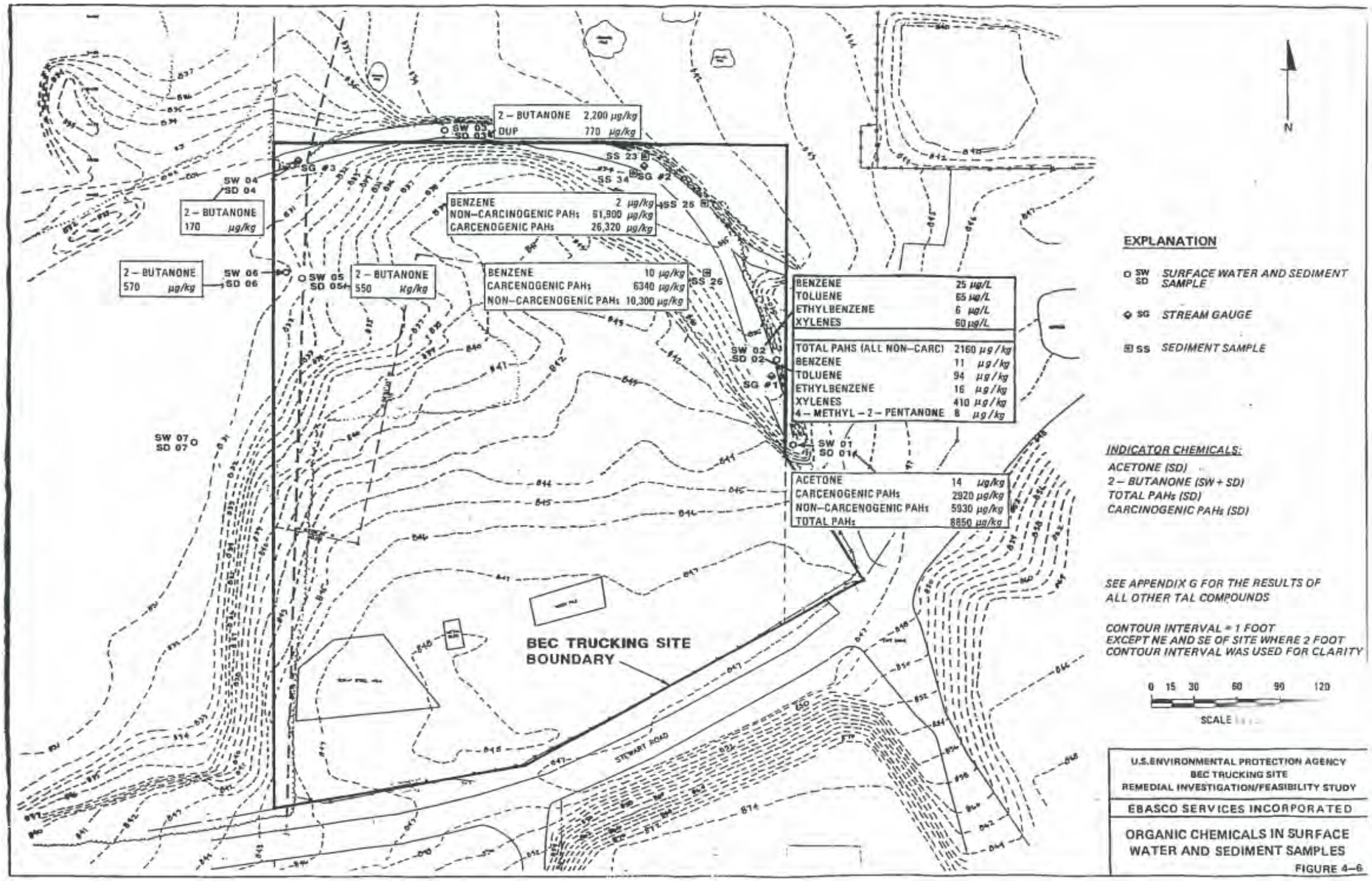
SEM	Not To Scale	220014
REVIEWED BY:	DATE:	FIGURE NO:
FCE	JUNE 2020	9



GeoLogic

GeoLogic NY, P.C.

SURFACE WATER AND SEDIMENT RESULTS
BEC TRUCKING SITE
VESTAL, NEW YORK
SITE NO. 704007

DRAWN BY:	SCALE:	PROJECT NO:
SEM	Not To Scale	220014
REVIEWED BY:	DATE:	FIGURE NO:
FCE	JUNE 2020	10

DATA TABLES

Data Table 1
Groundwater Elevation Data - Feet Above Mean Seal Level
BEC Trucking Site
Vestal, New York
Site No. 704007

Well No.	Water Level Elevation 09-06-88	Water Level Elevation 10-07-88	Water Level Elevation 12-13-88
MW-1	844.35	843.14	843.11
MW-2A	833.42	833.20	833.42
MW-2B	835.34	834.59	834.73
MW-3	832.39	832.29	832.53
MW-4	832.98	832.22	832.25
MW-5	832.12	831.75	831.92

Data Table 2
Exceedances of Soil Cleanup Objectives – Commercial Use
BEC Trucking Site
Vestal, New York
Site No. 704007

1989 Surface Soil Sampling
BEC Trucking - NYSDEC Site No. 704007

	Sample Number	Arsenic	Part 375 Commercial SCO
On-site	SS-05	77	16
	SS-07	16	16
	SS-16	50	16
	SS-21	23	16
	SS-32	72	16

All units in milligrams per kilogram (mg/kg)
This table only shows exceedances.

Source: NYSDOH Letter Health Consultation dated August 16, 2010.

Data Table 3
Analytical Results – Weston Sampling Event May 1991
BEC Trucking Site
Vestal, New York
Site No. 704007

BEC TRUCKING ANALYTICAL RESULT SUMMARY

Contaminant	Media	MW-01	MW-2A	MW-04	SW-01	SW-05A	SW-07	SW-08	SD-01	SD-05A	SD-07	SD-08	TB(ug/L)	FB(ug/L)	Action Level	IDL
Lead (total) ug/L	Groundwater	5.5J	8.4J	2.4J										1U	335 ug/L	1 ug/L
Arsenic (total) ug/L	Groundwater	U	60	U										1U	66 ug/L	1 ug/L
Benzene ug/L	Groundwater	5J	2J	5J									5J	5J	15 ug/L	10 ug/L
Xylene ug/L	Groundwater	5J	5J	5J									5J	5J	3,650 ug/L	10 ug/L
Carcinogenic PAH's ug/L	Groundwater	10U	10U	10U										10U	10 ug/L	10 ug/L
Lead (total) ug/L	Surface water				2.3B	3.3	1 U	2.10 B						1U	1,420 ug/L	1 ug/L
Arsenic (total) ug/L	Surface water				1.8B	U	3.4 B	U						1U	48 ug/L	1 ug/L
Zinc ug/L	Surface water				23.0J	104J	23.9J	55.90 J						11.9J	4540 ug/L	4 ug/L
Lead mg/kg	Sediment								27.2J	103J	9J	12.6J		1U	4,960 mg/kg	1.2 mg/kg
Arsenic mg/kg	Sediment								3.4J	11.2J	49.2J	10.9		1U	221 mg/kg	1.8 mg/kg
Zinc mg/kg	Sediment								127J	447J	333J	719J		16.7J	4,425 mg/kg	4.1 mg/kg
Carcinogenic PAH's ug/kg	Sediment								1,200U	4,250J	6,510J	4,400J		1,200U	131,500 ug/kg	1,200 ug/kg

B = less than Contact Required Detection Limit (CRDL)
J = estimated value
U = not detected
FB = field blank
TB = trip blank
Note: CLP Routine Analytical Services Case #16322

1-2 May 1992 Sample Collection

[illegible]BECTRUCK TBL

Source: Weston, July 1992, Report to US EPA, Preliminary Findings Report for the Wet Season (May 1991) and Dry Season (1991) Sampling at BEC Trucking Site.

Data Table 4
Analytical Results – Weston Sampling Event August 1991
BEC Trucking Site
Vestal, New York
Site No. 704007

BEC TRUCKING ANALYTICAL RESULT SUMMARY

Contaminant	Media	MW-01	MW-2A	MW-05	SW-01	SW-05A	SW-07	SW-08	SD-01	SD-05A	SD-07	SD-08	TB(ug/L)	FB(ug/L)	Action Level	IDL
Lead (total) ug/L	Groundwater	5 BJ	19J	2.4J										1 BJ	335 ug/L	1 ug/L
Arsenic (total) ug/L	Groundwater	3 BJ	75J	3.1J										1.0J	66 ug/L	1 ug/L
Benzene ug/L	Groundwater	10U	10U	10U									10U	10U	15 ug/L	10 ug/L
Xylene ug/L	Groundwater	10U	10U	10U									10U	10U	3,650 ug/L	10 ug/L
Carcinogenic PAH's ug/L	Groundwater	10U	10U	10U										10U	10 ug/L	10 ug/L
Lead (total) ug/L	Surface water				10.0J	10.0J	21.2J	10.0J						1.0J	1,420 ug/L	1 ug/L
Arsenic (total) ug/L	Surface water				1.0U	2.1J	19.5J	1.0U						1.0U	48 ug/L	1 ug/L
Zinc ug/L	Surface water				*	*	111	*						4.0U	4540 ug/L	4 ug/L
Lead mg/kg	Sediment								29.5	10U	58.3J	10J		1.0J	4,968 mg/kg	1.2 mg/kg
Arsenic mg/kg	Sediment								5.1J	10.2J	48.8J	1.9J		1.0U	221 mg/kg	1.8 mg/kg
Zinc mg/kg	Sediment								92.5 J	134J	156J	153		13.5*	4,425 mg/kg	4.1 mg/kg
Carcinogenic PAH's ug/kg	Sediment								13,580J	4,680J	1,200U	11,220J		10U	131,500 ug/kg	1,200 ug/kg

J = estimated value
U = not detected
FB = field blank
TB = trip blank
* = data rejected during validation/outside of control limits
Note: CLP Routine Analytical Services Case #17002

20-21 August 1991 Sample Collection

COMMON/DIRECTRUCK TBL

Source: Weston, July 1992, Report to US EPA, Preliminary Findings Report for the Wet Season (May 1991) and Dry Season (1991) Sampling at BEC Trucking Site.

Data Table 5
Analytical Results – Weston Surface Water Sampling Event May 1996
BEC Trucking Site
Vestal, New York
Site No. 704007

BEC TRUCKING
ANALYTICAL SUMMARY
SURFACE WATER METALS
MAY 1996 SAMPLING EVENT

	MAY 1996 RESULTS (ug/L)										PREVIOUS SAMPLING RESULTS (MAY 1991) (ug/L)				SITE-SPECIFIC ACTION LEVEL[1] (ug/L)	USEPA AMBIENT WATER QUALITY CRITERIA[2] (ug/L)	
	TOTAL RECOVERABLE					DISSOLVED					TOTAL RECOVERABLE						
ANALYTE	SW-01	SW-05A	SW-07	SW-08	SW-10	SW-01	SW-05A	SW-07	SW-08	SW-010	SW-01	SW-05A	SW-07	SW-08		ACUTE	CHRONIC
Silver	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U						*	0.12
Aluminum	214	200 U	1450	200 U	257	200 U	200 U	200 U	200 U	200 U						NC	NC
Arsenic	10 U	10 U	10.3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.8 B	2 U	5.4 B	2 U	48	360	190
Barium	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U						NC	NC
Beryllium	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						130	5.3
Calcium	25000	45000	158000	39000	26000	28000	49000	161000	43000	28000						NC	NC
Cadmium	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						*	*
Cobalt	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U						NC	NC
Chromium	10 U	20	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U						*	*
Copper	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U						*	*
Iron	250	621	11900	1140	241	100 U	470	181	343	100 U						NC	NC
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U						2.4	0.012
Potassium	5000 U	5000 U	7000	5000 U	5000 U	5000 U	5000 U	7000	5000 U	5000 U						NC	NC
Magnesium	5000 U	7000	23000	5000	5000 U	5000 U	7000	24000	6000	5000 U						NC	NC
Manganese	88 J	489 J	1640 J	119 J	93 J	92	518	1010	95	90						NC	NC
Sodium	25000	27000	54000	7000	25000	27000	29000	58000	7000	27000						NC	NC
Nickel	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U						*	*
Lead	3 U	3 U	11.9	71	3.7	3 U	3 U	3 U	3 U	3 U	2.3 B	3.2	1 U	2.1 B	1420	*	*
Antimony	60 U	60 U	60 U	60 U	60 U	60 U	60 U	60 U	60 U	60 U						9000	1600
Selenium	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						260	35
Thallium	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U						1400	40
Vanadium	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U						NC	NC
Zinc	38	20 U	56	23	31	20 U	25	20 U	20 U	20 U	23.00 R	104 R	23.9 R	55.90 R	4540	*	47

NOTES:
J = Estimated value.
U = Not detected.
NC = No criterion.
R = Data rejected during validation (Zn rejected due to Zn in prep blank and field blank).
[1] * Only presented for site-specific contaminants of concern.
[2] * Calculated hardness - based USEPA criteria denoted by asterisks in Appendix Table C-1.

Source: Weston, January, 1997, Report to US EPA, Draft Environmental Assessment Report – 1996, BEC Trucking Site

Data Table 6
Analytical Results – Weston Surface Water Sampling Event September 1996
BEC Trucking Site
Vestal, New York
Site No. 704007

BEC TRUCKING
ANALYTICAL SUMMARY
SURFACE WATER METALS
SEPTEMBER 1996 SAMPLING EVENT

	SEPTEMBER 1996 RESULTS (ug/L)										PREVIOUS SAMPLING RESULTS (AUGUST 1991) (ug/L)				SITE-SPECIFIC ACTION LEVEL[1] (ug/L)	USEPA AMBIENT WATER QUALITY CRITERIA[2] (ug/L)	
	TOTAL RECOVERABLE					DISSOLVED					TOTAL RECOVERABLE						
ANALYTE	SW-01	SW-05A	SW-07	SW-08[3]	SW-11[4]	SW-01	SW-05A	SW-07	SW-08[3]	SW-11[4]	SW-01	SW-05A	SW-07	SW-08		ACUTE	CHRONIC
Silver	2 U	2 U	2 U	NS	2 U	2 U	2 U	2 U	NS	2 U						*	0.12
Aluminum	59 B	187 B	1300	NS	98 B	46 B	49 B	71 B	NS	78 B						NC	NC
Arsenic	9 U	9 U	16	NS	9 U	9 U	9 U	9 U	NS	9 U	1.0 U	2.1	19.5 J	1.0 U	48	360	190
Barium	30 B	105 B	138 B	NS	32 B	28 B	100 B	90 B	NS	31 B						NC	NC
Beryllium	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U	NS	1 U						130	5.3
Calcium	83700	126000	167000	NS	86700	80500	131000	161000	NS	85400						NC	NC
Cadmium	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U	NS	1 U						*	*
Cobalt	1 U	1 B	2 B	NS	1 U	1 U	1 B	1 U	NS	.1 U						NC	NC
Chromium	1 U	1 U	1.4 B	NS	1 U	1 U	1 U	1 U	NS	1 U						*	*
Copper	58	41 U	61	NS	89	45	19 B	53	NS	59						*	*
Iron	100 B	5240	7270	NS	252	27 U	390	282	NS	27 U						NC	NC
Mercury	0.2 U	0.2 U	0.2 U	NS	0.2 U	0.2 U	0.2 U	0.2 U	NS	0.2 U						2.4	0.012
Potassium	2130 B	3410 B	12300	NS	2100 B	2050 B	4420 B	14100	NS	2220 B						NC	NC
Magnesium	14400	15600	25700	NS	15100	14100	16300	25900	NS	14900						NC	NC
Manganese	241	3310	3860	NS	259	235	3650	2620	NS	251						NC	NC
Sodium	46000	29500	58700	NS	46300	45900	33200	64600	NS	48600						NC	NC
Nickel	3 U	9 B	5.1 B	NS	3 U	3 U	3 U	4.3 B	NS	3 U						*	*
Lead	3 U	8.6	15.5	NS	8.6	3 U	3 U	3 U	NS	3 U	10.0 U	10.0 U	21.2 J	10.0 U	1420	*	*
Antimony	9 U	9 U	9 U	NS	9 U	9 U	9 U	9 U	NS	9 U						9000	1600
Selenium	8.5	5 U	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U						260	35
Thallium	9 U	9 U	9 U	NS	9 U	9 U	9 U	9 U	NS	9 U						1400	40
Vanadium	1 U	1 U	2.8 B	NS	1 U	1 U	1 U	1 U	NS	1 U						NC	NC
Zinc	70	23	55	NS	32	28	24	22	NS	25	47.2 R	35.9 R	111	15.7 R	4540	*	47

NOTES:
J = Estimated value.
U = Not detected.
NS = Not sampled.
NC = No criterion.
NS = Not sampled.
B = Less than Contract-Required Detection Limit (CRDL).
R = Data rejected during validation.
[1] = Only presented for site-specific contaminants of concern.
[2] = Calculated hardness - based USEPA criteria denoted by asterisks are in Appendix Table C-2.
[3] = No sample collected at SW-08 due to inadequate volumes of surface water.
[4] = Field duplicate of SW-01.

Source: Weston, January, 1997, Report to US EPA, Draft Environmental Assessment Report – 1996, BEC Trucking Site

Data Table 7
Analytical Results – Weston Sediment Sampling Event May 1996 Page 1 of 2
BEC Trucking Site
Vestal, New York
Site No. 704007

BEC TRUCKING
ANALYTICAL SUMMARY
SEDIMENT SEMI-VOLATILE ORGANIC COMPOUNDS
MAY 1996 SAMPLING EVENT
(all concentrations ug/kg)

COMPOUND	SD-01	SD-05A	SD-07	SD-08	SD-011[1]	SITE-SPECIFIC ACTION LEVEL[2]	NYSDEC SEDIMENT QUALITY CRITERIA ug/kg [3]
Acenaphthene	59 J	73 J	1300 U	1200 U	51 J		1,400
Dibenzofuran	56 J	700 U	1300 U	1200 U	400 U		NC
Fluorene	98 J	98 J	1300 U	1200 U	77 J		NC
Phenanthrene	870	1300	390 J	250 J	930		1,200
Anthracene	160 J	250 J	1300 U	1200 U	150 J		NC
Carbazole	130 J	190 J	1300 U	1200 U	130 J		NC
Fluoranthene	1200	2500	850 J	320 J	1300		10,200
Pyrene	1100	2700	750 J	270 J	1200		NC
Benzo(a)anthracene*	470	1200	350 J	1200 U	520		NC
Chrysene*	600	1500	490 J	170 J	680		NC
bis (2-Ethylhexyl) phthalate	940	1400	470 J	260 J	1400		1,995
Di-n-octylphthalate	170 J	85 J	1300 U	1200 U	150 J		NC
Benzo (b) fluoranthene*	570 J	1700 J	490 J	170 J	680 J		NC
Benzo (k) fluoranthene*	570 J	1900 J	440 J	170 J	640 J		NC
Benzo (a) pyrene*	450 J	1400 J	410 J	140 J	520 J		NC
Indeno (1,2,3-cd) pyrene*	160 J	480 J	210 J	1200 U	160 J		NC
Dibenz(a,h) anthracene*	81 J	260 J	1300 U	1200 U	79 J		NC
Benzo (g,h,i) perylene	100 J	370 J	140 J	1200 U	97 J		NC
Carcinogenic PAHs (May 1996)	2901 J	8440 J	2390 J	650 J	3279 J	131,500	NC
Carcinogenic PAHs (May 1991)	390 U	1940 J	910 J	1850 J	NS	131,500	NC

NOTES:
J = Estimated value.
U = Not detected.
NS = Not sampled.
NC = No criteria.
(1) = Field duplicate of SD-01.
(2) = only presented for site-specific contaminants of concern.
(3) = Calculated criteria for organics based on a conservative assumption of 1% OC in site sediments.
* Carcinogenic PAH.

Source: Weston, January, 1997, Report to US EPA, Draft Environmental Assessment Report – 1996, BEC Trucking Site

Data Table 8
Analytical Results – Weston Sediment Sampling Event May 1996 Page 2 of 2
BEC Trucking Site
Vestal, New York
Site No. 704007

BEC TRUCKING
ANALYTICAL SUMMARY
SEDIMENT METALS
MAY 1996 SAMPLING EVENT
(all concentrations mg/kg)

ANALYTE	SD-01	SD-05A	SD-07	SD-08	SD-011[1]	SITE-SPECIFIC ACTION LEVEL[2]	NYSDEC SEDIMENT QUALITY CRITERIA mg/kg
Silver	1 U	2 U	4 U	4 U	1 U		NC
Aluminum	6030	10700	16600	13500	5750		NC
Arsenic	3.8	6.2	50.9 J	6.5 J	4.5	221	6
Barium	33	84	188	84	32		NC
Beryllium	0.6 U	1.0 U	1.9 U	1.8 U	0.6 U		NC
Calcium	66200	8540	54400	5810	59900		NC
Cadmium	0.6 U	1.2	1.9 U	1.8 U	0.6 U		0.6
Cobalt	6 U	10 U	19 U	18 U	6 U		NC
Chromium	11	21	23	20	10		26
Copper	19	50	38	29	14		16
Iron	17900	28800	47900	24200	17400		NC
Mercury	0.12 U	0.19 U	0.37 U	0.36 U	0.12 U		0.15
Potassium	616 U	960 U	1860 U	1780 U	612 U		NC
Magnesium	4000	4920	4860	2660	3920		NC
Manganese	430	680	3200	469	369		NC
Sodium	616 U	960 U	1860 U	1780 U	612 U		NC
Nickel	12	22	25	22	13		16
Lead	46	96	55	64	17	4,960	31
Antimony	7 U	12 U	22 U	21 U	7 U		NC
Selenium	0.6 U	1.0 U	1.9 U	1.8 U	0.6 U		NC
Thallium	1.2 U	1.9 U	3.7 U	3.6 U	1.2 U		NC
Vanadium	9	21	27	23	8		NC
Zinc	56	297	241	956	53	4,425	120

NOTES:
J = Estimated value.
U = Not detected.
(1) = Field duplicate of SD-01.
(2) = only presented for site-specific contaminants of concern.

Source: Weston, January, 1997, Report to US EPA, Draft Environmental Assessment Report – 1996, BEC Trucking Site

Data Table 9
Analytical Results – Weston Sediment Sampling Event September 1996 Page 1 of 2
BEC Trucking Site
Vestal, New York
Site No. 704007

TABLE 6
BEC TRUCKING
ANALYTICAL SUMMARY
SEDIMENT SEMIVOLATILE ORGANIC COMPOUNDS
SEPTEMBER 1996 SAMPLING EVENT
(all concentrations ug/kg)

COMPOUND	SD-01	SD-05A	SD-07	SD-08	SD-011[1]	SITE-SPECIFIC ACTION LEVEL[2]	NYSDEC SEDIMENT QUALITY CRITERIA ug/kg [3]
Acenaphthene	58 J	150 J	1000 U	1100 U	99 J		1,400
Dibenzofuran	400 U	75 J	1000 U	1100 U	50 J		NC
Fluorene	62 J	170 J	1000 U	1100 U	95 J		NC
Phenanthrene	960 J	1900 J	470 J	270 J	1200 J		1,200
Anthracene	110 J	400 J	1000 U	1100 U	230 J		NC
Carbazole	110 J	280 J	1000 U	1100 U	210 J		NC
Fluoranthene	1300 J	3400 J	1100 J	650 J	2200 J		10,200
Pyrene	1400 J	1900 J	700 J	440 J	1600 J		NC
Benzo(a)anthracene*	470 J	1100 J	350 J	220 J	770 J		NC
Chrysene*	770 J	1600 J	650 J	420 J	1100 J		NC
bis (2-Ethylhexyl) phthalate	910 J	1500 J	560 J	500 J	930 J		1,995
Di-n-butylphthalate	400 U	460 U	1000 U	1000 U	400 U		NC
Di-n-octylphthalate	120 J	55 J	1000 U	1000 U	53 J		NC
Benzo (b) fluoranthene*	710 J	1500 J	1100 J	400 J	790 J		NC
Benzo (k) fluoranthene*	480 J	990 J	550 J	290 J	590 J		NC
Benzo (a) pyrene*	520 J	1200 J	500 J	310 J	760 J		NC
Indeno (1,2,3-cd) pyrene*	340 J	570 J	250 J	190 J	450 J		NC
Dibenz(a,h) anthracene*	400 U	460 U	1000 U	1100 U	98 J		NC
Benzo (g,h,i) perylene	240 J	370 J	140 J	160 J	240 J		NC
Carcinogenic PAHs (Sept 1996)	3290 J	6960 J	3400 J	1830 J	4558 J	131500	NC
Carcinogenic PAHs (Sept 1991)	13080 J	4810 J	1200 U	3810 J	NS	131500	NC

NOTES:
NC = No criteria.
J = Estimated value.
U = Not detected.
NS = Not sampled.
(1) = Field duplicate of SD-01.
(2) = Only presented for site-specific contaminants of concern.
(3) = Calculated criteria for organics based on a conservative assumption of 1% OC in site sediments.
* Carcinogenic PAH.

Source: Weston, January, 1997, Report to US EPA, Draft Environmental Assessment Report – 1996, BEC Trucking Site

Data Table 10
Analytical Results – Weston Sediment Sampling Event September 1996 Page 2 of 2
BEC Trucking Site
Vestal, New York
Site No. 704007

BEC TRUCKING
ANALYTICAL SUMMARY
SEDIMENT METALS
SEPTEMBER 1996 SAMPLING EVENT
(all concentrations mg/kg)

ANALYTE	SD-01	SD-05A	SD-07	SD-08	SD-011[1]	SITE-SPECIFIC ACTION LEVEL[2] (mg/kg)	NYSDEC SEDIMENT QUALITY CRITERIA (mg/kg)
Silver	0.48 U	0.65 U	1.2 UJ	1.4 UJ	0.48 U		NC
Aluminum	5810	12800	14800 J	12800 J	6360		NC
Arsenic	5.2	8.4	37.7 J	7.8 J	4.9	221	6
Barium	24.6 B	91.8	129 J	85 BJ	26.1 B		NC
Beryllium	0.39 B	0.76 B	1.4 BJ	0.81 BJ	0.43 B		NC
Calcium	66500	18200	35300 J	8230 J	58800		NC
Cadmium	0.24 U	1.1 B	0.59 UJ	0.68 UJ	0.24 U		0.6
Cobalt	5.7 B	9.5 B	11.1 BJ	8.9 BJ	6.2 B		NC
Chromium	18.2 J	25.4 J	22.4 J	18.9 J	24.8 J		26
Copper	26.3 R	44.5 R	42.9 R	40.8 R	30.7 R		16
Iron	26300	27700	32800 J	21900 J	25000		NC
Mercury	0.11 U	0.17 U	0.30 UJ	0.35 UJ	0.12 U		0.15
Potassium	2450	3520	4040 J	2550 BJ	2510		NC
Magnesium	4370	5770	4530 J	2710 BJ	4580		NC
Manganese	435	617	2550 J	446 J	420		NC
Sodium	208 B	310	564 BJ	252 BJ	182 B		NC
Nickel	16.9 J	25.9 J	27.8 J	21.4 BJ	17.1 J		16
Lead	545	158	81.7 J	58.5 R	17.3 R	4960	31
Antimony	2.2 U	2.9 U	5.3 UJ	6.2 UJ	2.2 U		NC
Selenium	1.2 U	1.6 U	2.9 UJ	3.4 UJ	1.2 U		NC
Thallium	2 U	2.9 U	5.3 UJ	6.2 UJ	2.2 U		NC
Vanadium	10 B	26.1	35.5 J	25.7 BJ	11.9 B		NC
Zinc	67.8	458	202 J	309 J	72.5	4425	120

NOTES:
J = Estimated value.
NC = No criterion.
U = Not detected.
[1] = Duplicate sample for SD-01.
[2] = Only presented for contaminates of concern.
B = Value is less than the Contract-Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
R = Data rejected during QA review.

Source: Weston, January, 1997, Report to US EPA, Draft Environmental Assessment Report – 1996, BEC Trucking Site

APPENDICES

APPENDIX A – LIST OF SITE CONTACTS

Name	Phone/Email Address
Downside Risk, Inc. William Walsh	607) 729-0670 b.walsh@walshandsons.com
GeoLogic NY, P.C. Sarah McCulloch, P.G.	607-749-5000 geologicny@geologic.net
NYSDEC Project Manager Gary Priscott, P.G.	(607) 775-2545 gary.priscott@dec.ny.gov
NYSDEC Site Control Kelly A. Lewandowski, P.E.	(518) 402-9547 kelly.lewandowski@dec.ny.gov
Attorney Doreen Simmons, Esq., Hancock Estabrook, LLP	(315) 565-4552 dsimmons@hancocklaw.com

APPENDIX B – EXCAVATION WORK PLAN (EWP)

1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the site owner or their representative will notify the NYSDEC. Table I includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in Appendix A.

Table I: Notifications*

Name	Contact Information
NYSDEC Project Manager Gary Priscott, P.G.	(607) 775-2545 gary.priscott@dec.ny.gov
NYSDEC Site Control Kelly A. Lewandowski, P.E.	(518) 402-9547 kelly.lewandowski@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;

- A copy of the contractor's health and safety plan (HASP), in electronic format, if it differs from the HASP provided in Appendix F of this SMP;
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

2 SOIL SCREENING METHODS

Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening will be performed by a qualified environmental professional during all excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal and material that requires testing to determine if the material can be reused on-site as soil beneath a cover or if the material can be used as cover soil. Further discussion of off-site disposal of materials and on-site reuse is provided in Section 6 of this Appendix.

3 SOIL STAGING METHODS

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC.

4 MATERIALS EXCAVATION AND LOAD-OUT

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the site.

Loaded vehicles leaving the site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

A truck wash will be operated on-site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the site. Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Locations where vehicles enter or exit the site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

5 MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

Truck transport routes to the Broome County Landfill located at 285 Knapp Road, Binghamton, New York 13905 are as follows: trucks leaving the site will head east on Stewart Road, then head south on Jensen Road and then head east of the Vestal Parkway (NYS Route 434). Trucks will proceed east on the Vestal Parkway and take Route 201 North, and then exit onto NYS Route 17 east. Trucks will take exit 71, Airport Road and head north. Trucks will turn left onto Knapp Road and head north to the driveway for the Broome County Landfill. All trucks loaded with site materials will exit the vicinity of the site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project site.

Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development.

Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited.

6 MATERIALS DISPOSAL OFF-SITE

All material excavated and removed from the site will be treated as contaminated and regulated material and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of material from this site is proposed for unregulated off-site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-site management of materials from this site will not occur without formal NYSDEC approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

7 MATERIALS REUSE ON-SITE

The qualified environmental professional will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

Any demolition material proposed for reuse on-site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the site will not be reused on-site.

8 FLUIDS MANAGEMENT

All liquids to be removed from the site, including but not limited to, excavation dewatering, decontamination waters and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the site, and will be managed off-site, unless prior approval is obtained from NYSDEC.

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

9 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the site will be approved by the qualified environmental professional and will be in compliance with provisions in this SMP prior to receipt at the site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html, will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the site.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria. Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC. Solid waste will not be imported onto the site.

Trucks entering the site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

10 STORMWATER POLLUTION PREVENTION

Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

11 EXCAVATION CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals; TCL volatiles and semi-volatiles, TCL pesticides and PCBs), unless the site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC’s Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

12 COMMUNITY AIR MONITORING PLAN

A Generic Community Air Monitoring Plan. Guidance will be prepared in accordance with Appendix 1A of DER-10.

13 ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-site. No odors anticipated, therefore no specific odor control methods will be necessary. If nuisance odors are identified at the site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events within one day of the odor event and notified of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the remedial party's Remediation Engineer, and any measures that are implemented will be discussed in the Excavation Activities Report.

All necessary means will be employed to prevent on- and off-site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

14 DUST CONTROL PLAN

A dust suppression plan that addresses dust management during invasive on-site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved through the use of a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.

- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-site roads will be limited in total area to minimize the area required for water truck sprinkling.

15 OTHER NUISANCES

A plan for rodent control will be developed and utilized by the contractor prior to and during site clearing and site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

16 REPORTING

A report is to be submitted to the NYSDEC within 90 days of completion of the activities performed under this EWP. This report shall contain a summary of the activities performed; a summary of all data gathered and results; information about any media that was removed from the site: volume, contamination levels, area from which removed; and any other information that may be indicate a change to the “remaining contamination” that is at the site. Such changes may require revision of the SMP.

APPENDIX C
RESPONSIBILITIES OF OWNER

Responsibilities

The responsibility for implementing the Site Management Plan ("SMP") for the BEC Trucking Site (the "site"), site number 704007, is with the current owner of the site:

Downside Risk, Inc.
Mr. William Walsh
200 Plaza Drive
Vestal, NY 13850
607-729-0670

Nothing on this page shall supersede the provisions of a Deed Restriction or other legally binding document that affects rights and obligations relating to the site.

Site Owner's Responsibilities:

The owner shall follow the provisions of the SMP as they relate to future construction and excavation at the site.

In accordance with a periodic time frame determined by the NYSDEC, the owner shall periodically certify, in writing, that all Institutional Controls set forth in a Deed Restriction remain in place and continue to be complied with.

In the event the site is delisted, the owner remains bound by the Deed Restriction and shall submit, upon request by the NYSDEC, a written certification that the Deed Restriction is still in place and has been complied with.

The owner shall grant access to the site to the NYSDEC and its agents for the purposes of performing activities required under the SMP and assuring compliance with the SMP.

The owner is responsible for assuring the security of the remedial components located on its property to the best of its ability. In the event that damage to the remedial components or vandalism is evident, the owner shall notify the NYSDEC in accordance with the timeframes indicated in Section 1.3-Notifications.

In the event some action or inaction by the owner adversely impacts the site, the owner must notify the NYSDEC in accordance with the time frame indicated in Section 1.3-Notifications and (ii) coordinate the performance of necessary corrective actions with the RP.

The owner must notify the NYSDEC of any change in ownership of the site property (identifying the tax map numbers in any correspondence) and provide contact information for

the new owner of the site property. 6 NYCRR Part contains notification requirements applicable to any construction or activity changes and changes in ownership. Among the notification requirements is the following: Sixty days prior written notification must be made to the NYSDEC. Notification is to be submitted to the NYSDEC Division of Environmental Remediation's Site Control Section. Notification requirements for a change in use are detailed in Section 2.4 of the SMP. A 60-Day Advance Notification Form and Instructions are found at http://www.dec.ny.gov/chemical/76250.html.

Future site owners and their successors and assigns are required to carry out the activities set forth above.

APPENDIX D
ENVIRONMENTAL EASEMENT

Environmental Easement

To Be Inserted

Once Filed

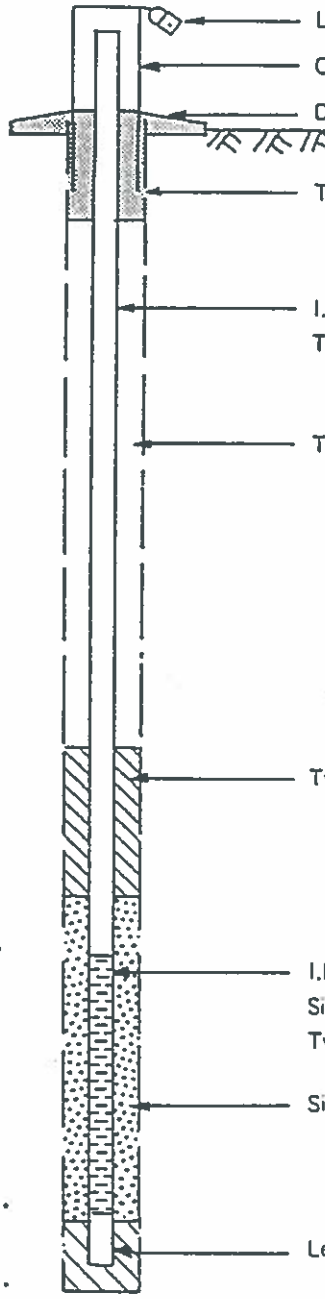
APPENDIX E

MONITORING WELL BORING AND CONSTRUCTION LOGS, TEST PIT LOGS

MONITORING WELL INSTALLATION SKETCH

Project: BEC Trucking Site
Drilling Subcontractor: Rochester Drilling
Driller: S. Loranty

Monitoring Well Number: MW-1
Date of Well Installation: 08-23-88
Date of Well Development: 08-25-88
Geologist: D. Green



Elevation (M.S.L.)	Depth or Height from Ground Surface		
853.53	2.60		
853.39	2.46	Locking cap	
		O.D. of outer protective casing	6.0 in.
850.93	0.0 ft.	Dimensions of concrete pad	4 ft. x 4.ft
	3.1 ft.	Type of surface seal	Cement
		I.D. of pipe	4.0 in.
		Type of pipe	Stainless steel
		Type of backfill	—
	3.1 ft.	Type of seal	Bentonite pellets
	5.1 ft.		
844.13	6.8 ft.	I.D. of screen	4.0 in.
		Size of screen opening	0.02 in.
		Type of screen	Stainless steel
		Size of filter sand	Grade 4
833.93	17.0 ft.		
—	—	Length of tailpipe (if present)	—
833.93	17.0 ft.		

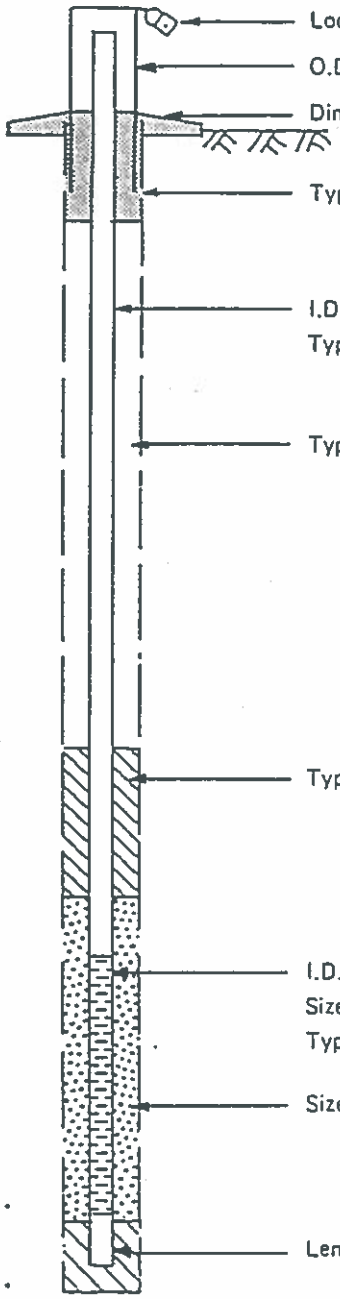
WATER LEVEL MEASUREMENTS

Date	09-06-88	10-07-88	12-13-88							
Depth from top of riser	9.04	10.25	10.28							
Elevation	844.35	843.14	843.11							

MONITORING WELL INSTALLATION SKETCH

Project: BEC Trucking Site
Drilling Subcontractor: Rochester Drilling
Driller: S. Loranty

Monitoring Well Number: MW-2A
Date of Well Installation: 08-30-88
Date of Well Development: 09-01-88
Geologist: D. Green



Elevation (M.S.L.)	Depth or Height from Ground Surface		
844.79	1.56		
844.63	1.40	Locking cap	
		O.D. of outer protective casing	6.0 in.
843.23	0.0 ft.	Dimensions of concrete pad	~4 ft. x 4 ft.
	3.5 ft.	Type of surface seal	Cement
		I.D. of pipe	4.0 in.
		Type of pipe	Stainless steel
		Type of backfill	—
	3.5 ft.	Type of seal	Bentonite pellets
	5.3 ft.		
836.13	7.1 ft.	I.D. of screen	4.0 in.
		Size of screen opening	0.02 in.
		Type of screen	Stainless steel
		Size of filter sand	Grade 4
825.93	17.3 ft.		
—	—	Length of tailpipe (if present)	—
825.23	18.0 ft.		

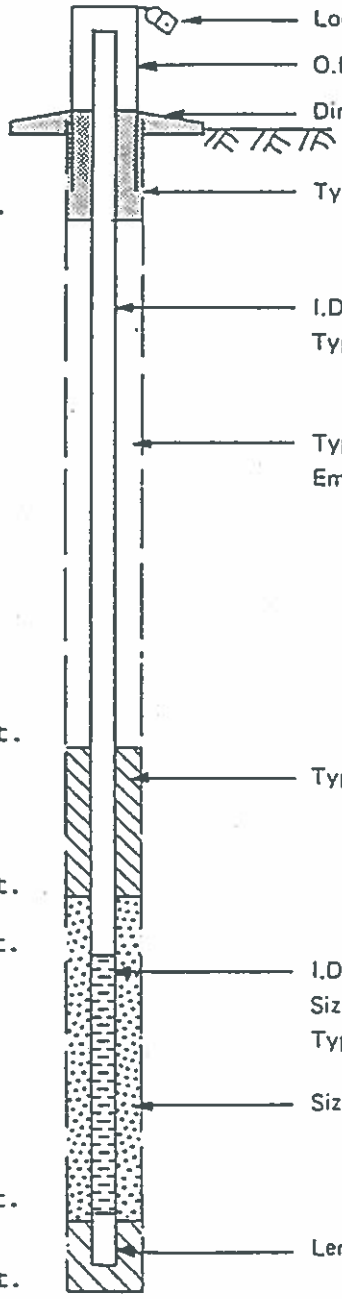
WATER LEVEL MEASUREMENTS

Date	09-06-88	10-07-88	12-13-88							
Depth from top of riser	11.21	11.43	11.21							
Elevation	833.42	833.20	833.42							

MONITORING WELL INSTALLATION SKETCH

Project: BEC Trucking Site
Drilling Subcontractor: Rochester Drilling
Driller: S.Loranty

Monitoring Well Number: MW-2B
Date of Well Installation: 08-30-88
Date of Well Development: 09-01-88
Geologist: D.Green



Elevation (M.S.L.)	Depth or Height from Ground Surface		
844.63	1.67		
844.47	1.51	Locking cap	
		O.D. of outer protective casing	6.0 in.
842.96	0.0 ft.	Dimensions of concrete pad	~4 ft. x 4 ft.
	3.5 ft.	Type of surface seal	Cement
		I.D. of pipe	4.0 in.
		Type of pipe	Stainless steel
		Type of backfill	Cement/bentonite slurry
		Emplacement method	Tremie
	26.0 ft.	Type of seal	Bentonite pellets
	28.0 ft.		
811.66	31.3 ft.	I.D. of screen	4.0 in.
		Size of screen opening	0.02 in.
		Type of screen	Stainless steel
		Size of filter sand	Grade 4
801.46	41.5 ft.		
—	—	Length of tailpipe (if present)	—
799.96	43.0 ft.		

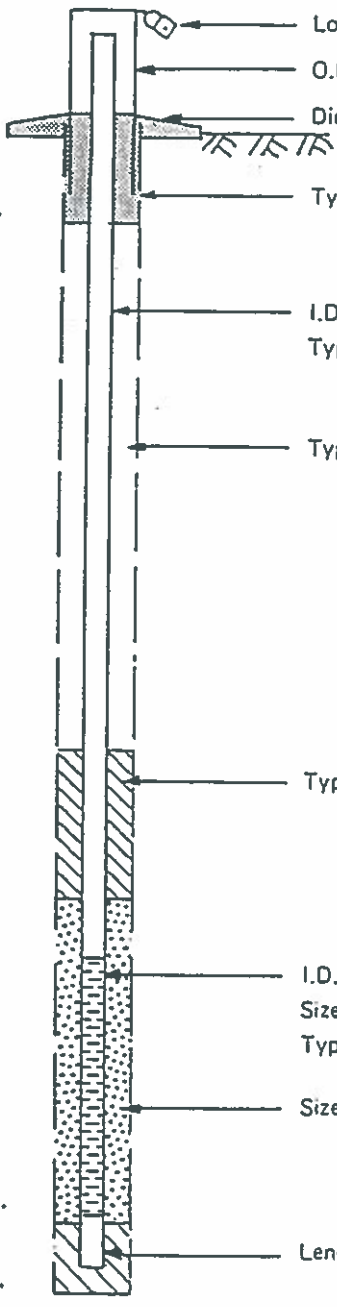
WATER LEVEL MEASUREMENTS

Date	09-06-88	10-07-88	12-13-88							
Depth from top of riser	9.13	9.88	9.74							
Elevation	835.34	834.59	834.73							

MONITORING WELL INSTALLATION SKETCH

Project: BEC Trucking Site
Drilling Subcontractor: Rochester Drilling
Driller: S. Loranty

Monitoring Well Number: MW-3
Date of Well Installation: 08-24-88
Date of Well Development: 08-26-88
Geologist: D. Green



Elevation (M.S.L.)	Depth or Height from Ground Surface		
843.32	1.96	Locking cap	
843.18	1.82	O.D. of outer protective casing	6.0 in.
841.36	0.0 ft.	Dimensions of concrete pad	~ 4 ft. x 4 ft.
	3.0 ft.	Type of surface seal	Cement
		I.D. of pipe	4.0 in.
		Type of pipe	Stainless steel
		Type of backfill	—
	3.0 ft.	Type of seal	Bentonite pellets
	5.0 ft.		
833.56	6.8 ft.	I.D. of screen	4.0 in.
		Size of screen opening	0.02 in.
		Type of screen	Stainless steel
		Size of filter sand	Grade 4
824.36	17.0 ft.		
—	—	Length of tailpipe (if present)	—
824.36	17.0 ft.		

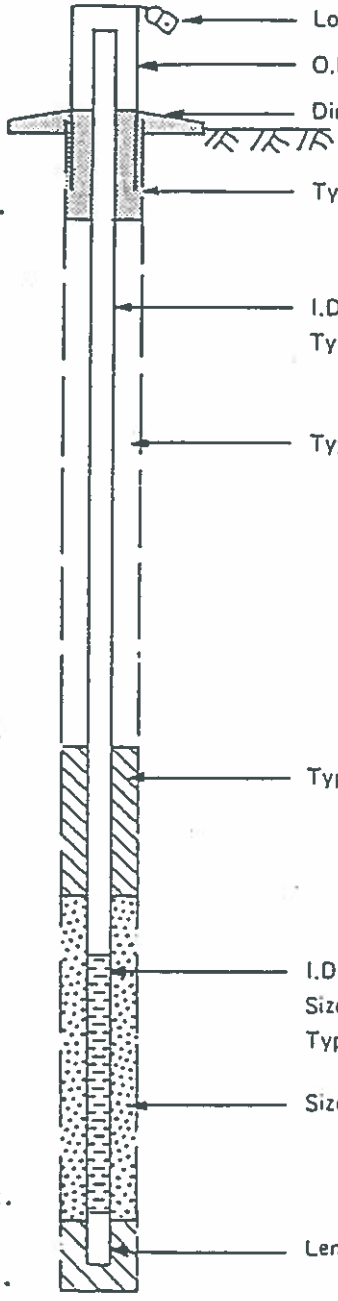
WATER LEVEL MEASUREMENTS

Date	09-06-88	10-07-88	12-13-88							
Depth from top of riser	10.79	10.89	10.65							
Elevation	832.39	832.29	832.53							

MONITORING WELL INSTALLATION SKETCH

Project: BEC Trucking Site
Drilling Subcontractor: Rochester Drilling
Driller: S. Loranty

Monitoring Well Number: MW-4
Date of Well Installation: 08-31-88
Date of Well Development: 09-02-88
Geologist: D. Green



Elevation (M.S.L.)	Depth or Height from Ground Surface		
839.86	1.94	Locking cap	
839.69	1.77	O.D. of outer protective casing	6.0 in.
837.92	0.0 ft.	Dimensions of concrete pad	4 ft. x 4 ft.
	3.0 ft.	Type of surface seal	Cement
		I.D. of pipe	4.0 in.
		Type of pipe	Stainless steel
		Type of backfill	—
	3.0 ft.	Type of seal	Bentonite pellets
	4.0 ft.		
833.12	4.8 ft.	I.D. of screen	4.0 in.
		Size of screen opening	0.02 in.
		Type of screen	Stainless steel
		Size of filter sand	Grade 4
822.92	15.0 ft.		
—	—	Length of tailpipe (if present)	—
822.92	15.0 ft.		

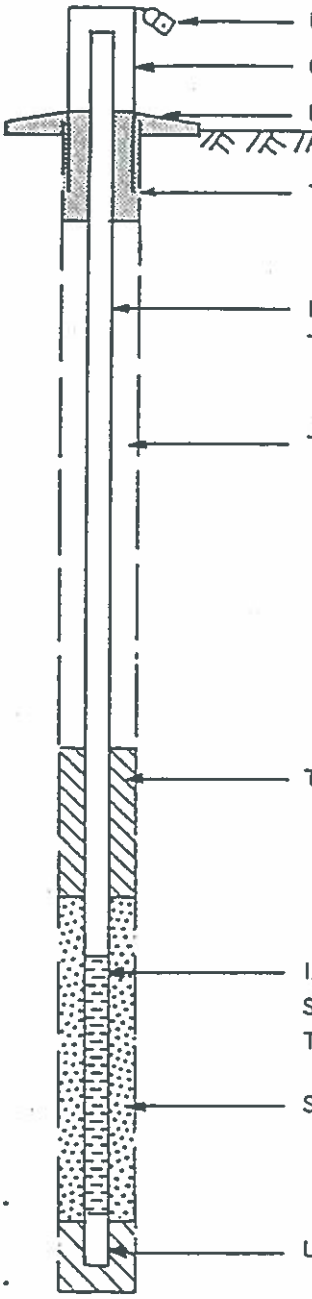
WATER LEVEL MEASUREMENTS

Date	09-06-88	10-07-88	12-13-88							
Depth from top of riser	6.71	7.47	7.44							
Elevation	832.98	832.22	832.25							

MONITORING WELL INSTALLATION SKETCH

Project: BEC Trucking Site
Drilling Subcontractor: Rochester Drilling
Driller: S. Kahn

Monitoring Well Number: MW-5
Date of Well Installation: 08-23-88
Date of Well Development: 09-02-88
Geologist: T. Silar



Elevation (M.S.L.)	Depth or Height from Ground Surface		
835.27	2.07		
835.20	2.00	Locking cap	
		O.D. of outer protective casing	6.0 in.
833.20	0.0 ft.	Dimensions of concrete pad	~4 ft. x 4 ft.
	2.0 ft.	Type of surface seal	Cement
		I.D. of pipe	4.0 in.
		Type of pipe	Stainless steel
		Type of backfill	—
	2.0 ft.	Type of seal	Bentonite pellets
	4.0 ft.		
828.40	4.8 ft.	I.D. of screen	4.0 in.
		Size of screen opening	0.02 in.
		Type of screen	Stainless steel
		Size of filter sand	Grade 4
818.20	15.0 ft.		
—	—	Length of tailpipe (if present)	—
818.20	15.0 ft.		

WATER LEVEL MEASUREMENTS

Date	09-06-88	10-07-88	12-13-88							
Depth from top of riser	3.08	3.45	3.28							
Elevation	832.12	831.75	831.92							

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

BORING NO.: MW-1 SHEET 1 OF 2

ELEVATION: 850.93 Ft. GW DEPTH (FT): 6.58, on 09/06/88

DRILLER: Rochester Drilling, S. Loranty

TOTAL DEPTH: 17.0 Ft.

DATE START: 08-23-88 DATE COMPLETE: 08-23-88 FIELD ENGINEER: D. Green

DEPTH FEET	BLOWS PER SIX INCHES	SAMPLE NO.	PERCENT RECOVERY	DESCRIPTION: UNIFIED SOIL CLASSIFICATION	DESCRIPTION: MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	FIELD INSTRUMENTATION: BOREHOLE: PHOTO IONIZATION DETECTOR HNu (PPM)	FIELD INSTRUMENTATION: BOREHOLE: ORGANIC VAPOR ANALYZER (PPM)	FIELD INSTRUMENTATION: SAMP.: ORGANIC VAPOR ANALYZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS	REMARKS
A	B	C	D	E	F	G	H	I	J	K	L M N O	P
1	3 6 3 3	SS #1	71		0-4.2 SILT and very fine SAND (ML), pale yellowish brown (10 YR 6/2), with 10-20% subrounded gravel, loose, dry. 0.8 Grades to dark yellowish brown (10 YR 4/2), slightly moist.		3.0					BKGD HNu: 3.0 ppm SS = 3 inch diameter split spoon samplers. SS driven with 375 lb. hammer with 30 inch fall. Hollow stem auger boring.
2	3											
3	4 10 5	SS #2	50				3.0					
4	3				4.2-4.75 Very fine to fine SAND (SM), dusky yellowish brown (10 YR 2/2), with less than 5% subrounded gravel, loose, dry.							
5	7 13 9	SS #3	75				3.0			BEC-S-SB14-01'		
6	4				4.75-10.0 Silty very fine SAND (ML), moderate brown (5 Y 3/4), with 10-15% subrounded gravel, loose to medium dense, slightly cohesive, moist.							
7	4 4 3	SS #4	75		6.3-10.0 Clay content increases, moisture content increases, includes thin (0.2-0.4 Ft.) zones of clayey gravel.		3.0					
8	3											
9	5 4 5	SS #5	83				3.0					
10												
11												10 - 15 Ft. Continuous augering.
12												
13												
14												
15												

BORING TERMINATE AT 17.0 FT

BORING NO.: MW-1

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

BORING NO.: MW-1 SHEET 2 OF 2

ELEVATION: 850.93 Ft. GW DEPTH (FT): 6.58, on 09/06/88

DRILLER: Rochester Drilling, S. Loranty

TOTAL DEPTH: 17.0 Ft.

DATE START: 08-23-88 DATE COMPLETE: 08-23-88 FIELD ENGINEER: D. Green

DEPTH FEET	BLOWS PER SIX INCHES	SAMPLE NO.	PERCENT RECOVERY	DESCRIPTION: UNIFIED SOIL CLASSIFICATION	DESCRIPTION: MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	FIELD INSTRUMENTATION: BOREHOLE: PHOTO IONIZATION DETECTOR HNu (PPM)	FIELD INSTRUMENTATION: BOREHOLE: ORGANIC VAPOR ANALYZER (PPM)	FIELD INSTRUMENTATION: SAMP.: ORGANIC VAPOR ANALYZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS	REMARKS
A	B	C	D	E	F	G	H	I	J	K	L M N O	P
16	4 3 4 6	SS #6	71		15.0-17.0 Silty very fine to fine SAND (ML), moderate brown (5 Y 3/4), with 15-20% subrounded gravel, loose to medium dense, wet.		3.0			BEC-S-SB14-02		
17					End of Borehole at 17.0 Ft.							

BORING TERMINATE AT 17.0 FT

BORING NO.: MW-1

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

BORING NO.: MW-2A SHEET 1 OF 1

ELEVATION: 843.23 Ft. GW DEPTH (FT): 9.81, on 09/06/88

DRILLER: Rochester Drilling, S. Loranty

TOTAL DEPTH: 18.0 Ft.

DATE START: 08-30-88 DATE COMPLETE: 08-30-88 FIELD ENGINEER: D. Green, H. Noblet

DEPTH FEET	BLOWS PER 6IX INCHES	SAMPLE NO.	PERCENT RECOVERY	DESCRIPTION: UNIFIED SOIL CLASSIFICATION	DESCRIPTION: MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	FIELD INSTRUMENTATION: BOREHOLE: PHOTO IONIZATION DETECTOR HNu (PPM)	FIELD INSTRUMENTATION: BOREHOLE: ORGANIC VAPOR ANALIZER (PPM)	FIELD INSTRUMENTATION: SAMP.: ORGANIC VAPOR ANALIZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS				REMARKS
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
					See Summary Log of Boring, MW-2B, 0-18 Ft.										Hollow stem augering boring 0-18.0 Ft. Continuous augering.

BORING TERMINATE AT 18.0 FT

BORING NO.: MW-2A

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

BORING NO.: MW-28 SHEET 1 OF 3

ELEVATION: 842.96 Ft. GW DEPTH (FT): 7.62, on 09/06/88

DRILLER: Rochester Drilling, S. Lorenty

TOTAL DEPTH: 43.0 Ft.

DATE START: 08-29-88 DATE COMPLETE: 08-30-88 FIELD ENGINEER: D. Green

DEPTH FEET	BLOWS PER SIX INCHES	SAMPLE NO.	PERCENT RECOVERY	DESCRIPTION: UNIFIED SOIL CLASSIFICATION	DESCRIPTION: MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	FIELD INSTRUMENTATION: BOREHOLE: PHOTO IONIZATION DETECTOR (PPM)	FIELD INSTRUMENTATION: BOREHOLE: ORGANIC VAPOR ANALYZER (PPM)	FIELD INSTRUMENTATION: SAMP.: ORGANIC VAPOR ANALYZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS	REMARKS
A	B	C	D	E	F	G	H	I	J	K	L M N O	P
1	5 4 8 9	SS #1	75	ML/CL	0-2.3 Fine sandy SILT and CLAY (ML/CL), dark yellowish brown (10 YR 4/2), with 10% subrounded to rounded gravel, medium stiff, 0-0.5 moist, 0.5-2.3 dry.							08/29/88 HNu not used due to rainy conditions.
2												SS = 3 inch diameter split spoon samplers.
3	9 8 17 8	SS #2	42	ML	2.3-2.6 Fly Ash Fill, SILT (ML), medium gray (N5), slightly cohesive, loose, dry, included wood and plastic.							SS driven with 375 lb. hammer with 30 inch fall.
4				ML	2.6-6.3 Clayey SILT (ML), dark yellowish brown (10 YR 4/2), with 20-30% fine sand and 10-15% subrounded to rounded gravel, loose to medium dense, moist, 5.5 ft. small pieces of asphalt pavement.							Hollow stem auger boring.
5	4 5 3 2	SS #3	42							BEC-SS-SB17-01		
6												
7	3 4 2 3	SS #4	58	CL	6.3-12.0 Silty CLAY and CLAY (CL), olive gray (5 Y 4/1), medium plasticity, medium stiff to stiff, moist to wet, included chunks of decaying wood.							
8												
9	8 43 50	SS #5	33									SS #5 refusal at 1.5 ft. - chunk of decaying wood stuck in drive shoe.
10												
11	14 27 9 8	SS #6	33									12-15 Ft. Continuous augering.
12												
13												
14												
15												

BORING TERMINATE AT 43.0 FT

BORING NO.: MW-28

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

BORING NO.: MW-28 SHEET 2 OF 3

ELEVATION: 842.96 Ft. GW DEPTH (FT): 7.62, on 09/06/88

DRILLER: Rochester Drilling, S. Loranty

TOTAL DEPTH: 43.0 Ft.

DATE START: 08-29-88 DATE COMPLETE: 08-30-88 .. FIELD ENGINEER: D. Green

DEPTH FEET	BLOWS PER SIX INCHES	SAMPLE NO.	PERCENT RECOVERY	DESCRIPTION: UNIFIED SOIL CLASSIFICATION	DESCRIPTION: MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	FIELD INSTRUMENTATION: BOREHOLE: PHOTO IONIZATION DETECTOR (HNu) (PPM)	FIELD INSTRUMENTATION: BOREHOLE: ORGANIC VAPOR ANALYZER (PPM)	FIELD INSTRUMENTATION: SAMP.: ORGANIC VAPOR ANALYZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS	REMARKS
A	B	C	D	E	F	G	H	I	J	K	L M N O	P
16	5											
	4	SS	0									SS #7 - No recovery,
	2	#7										some watery gray clay wash in SS.
17	2											
	10			CL	17.0-21.0 Silty CLAY (CL), dusky yellowish brown (10 YR 2/2), with							
	8	SS	63		5-10% very fine sand, low plasticity, medium stiff to							
18	2	#8			stiff, wet, included shells and shell fragments.					BEC-S-SB17-02		
	3											
19		Shelby Tube	75									
20												
21												
22												08/30/88 Resume drilling at 21.0 ft.
23												21-25 Ft. Continuous augering.
24												
25	3			SM	25.0-32.0 Silty fine SAND (SM), grayish brown (5 YR 3/2), well							
26	3	SS	50		sorted, angular to subangular, loose, wet.							
	3	#9										
27	4											
28												27-30 Ft. Continuous augering.
												Encounter "running" sands.
29												
30												

BORING TERMINATE AT 43.0 FT

BORING NO.: MW-28

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

BORING NO.: MW-28 SHEET 3 OF 3

ELEVATION: 842.96 Ft. GW DEPTH (FT): 7.62, on 09/06/88

DRILLER: Rochester Drilling, S. Loranty

TOTAL DEPTH: 43.0 Ft.

DATE START: 08/29/88 DATE COMPLETE: 08/30/88 FIELD ENGINEER: D. Green

DEPTH FEET	BLOWS PER SIX INCHES	SAMPLE NO.	PERCENT RECOVERY	UNIFIED SOIL CLASSIFICATION	DESCRIPTION: MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	BOREHOLE: PHOTO IONIZATION DETECTOR HNu (PPM)	BOREHOLE: ORGANIC VAPOR ANALYZER (PPM)	SAMP.: ORGANIC VAPOR ANALYZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS	REMARKS
A	B	C	D	E	F	G	H	I	J	K	L M N O	P
31	4											
	3	SS	83							BEC-S-SB17-03		
	1	#10										
32	1											
												32-34 Ft. Continuous augering.
33												
34				SW	34.0-42.0 Fine SAND (SW), grayish brown (5 YR 3/2), poorly sorted, subangular, with 20-30% subrounded gravel, less then 5% silt and clay occurring in small clumps, medium dense, wet.							
	4	SS	33									
35	12	#11										
	8											
36	8											
												36-40 Ft. Continuous augering.
37												
38												
39												
40												
	6											
41	9	SS	42									
	12	#12										
42	5				42.0-43.0 Weathered SHALE.							
												42.0 Ft. Encountered weathered shale (bedrock), advanced augers to 43.0 Ft.
43												
					End of Borehole at 43.0 Ft.							

BORING TERMINATE AT 43.0 FT

BORING NO.: MW-28

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2L29

BORING NO.: MW-3 SHEET 1 OF 2

ELEVATION: 841.36 Ft. GW DEPTH (FT): 8.97, on 09/06/88

DRILLER: Rochester Drilling, S. Loranty

TOTAL DEPTH: 17.0 Ft.

DATE START: 08/24/88 DATE COMPLETE: 08/24/88 FIELD ENGINEER: D. Green

DEPTH FEET	BLOWS PER SIX INCHES	SAMPLE NO.	PERCENT RECOVERY	DESCRIPTION: UNIFIED SOIL CLASSIFICATION	DESCRIPTION: MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	FIELD INSTRUMENTATION: BOREHOLE: PHOTO IONIZATION DETECTOR HNu (PPM)	FIELD INSTRUMENTATION: BOREHOLE: ORGANIC VAPOR ANALYZER (PPM)	FIELD INSTRUMENTATION: SAMP.: ORGANIC VAPOR ANALYZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS	REMARKS
A	B	C	D	E	F	G	H	I	J	K	L M N O	P
1	1 1 1 2	SS #1	25	ML	0-3.0 SILT and fine SAND (ML), dark yellowish brown (10 YR 4/2), with 15-25% subrounded medius sand and gravel, loose, dry, 0 - 0.5 included leaf matter and small roots.		1.5					BKGD HNu: 1.5 ppm SS = 3 inch diameter split spoon samplers. SS driven with 375 lb. hammer with 30 inch fall. Hollow stem auger boring. 3.0 Ft. Encountered large piece of wood manually removed from borehole.
2												
3	1 9 \ \	SS #2	25				1.5					
4	2				4.0-9.0 FILL, SILT (ML), dark yellowish brown (10 YR 4/4), loose, dry to moist, included many chunks of wood, brick, concrete, rocks.							
5	2 3 1	SS #3	25				1.5			BEC-S-SB16-01		
6	1 3											
7	7 10 2	SS #4	25				1.5					
8	1											
9	2 1/12"	SS #5	67		9.0 Sharp basal contact between fill and natural sediments.							
10				CH	9.0-17.0 CLAY (CH), olive gray (5 Y 4/1) to light olive gray (5 Y 6/1), with 20-25% silt, medium to high plasticity, very soft, moist to wet, included organic matter such as shells, shell fragments, and seeds.							
11		Shelby Tube	75									
12												
13												12-15 Ft. Continuous augering.
14												
15												

BORING TERMINATE AT 17.0 FT

BORING NO.: MW-3

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

BORING NO.: MW-3 SHEET 2 OF 2

ELEVATION: 841.36 Ft. GW DEPTH (FT): 8.97, on 09/06/88

DRILLER: Rochester Drilling, S. Loranty

TOTAL DEPTH: 17.0 Ft.

DATE START: 08/24/88 DATE COMPLETE: 08/24/88 FIELD ENGINEER: D. Green

DEPTH FEET	BLOWS PER 6IN (HOME	SAMPLE NO.	PERCENT RECOVERY	DESCRIPTION: UNIFIED SOIL CLASSIFICATION	DESCRIPTION: MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	FIELD INSTRUMENTATION: BOREHOLE: PHOTO IONIZATION DETECTOR HNu (PPM)	FIELD INSTRUMENTATION: BOREHOLE: ORGANIC VAPOR ANALYZER (PPM)	FIELD INSTRUMENTATION: SAMP.: ORGANIC VAPOR ANALYZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS	REMARKS
A	B	C	D	E	F	G	H	I	J	K	L M N O	P
16	2/12"	SS #6	92							BEC-S-SB16-02		
	1/12"											
17					End of Borehole at 17.0 Ft.							

BORING TERMINATE AT 17.0 FT

BORING NO.: MW-3

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

BORING NO.: MW-4 SHEET 1 OF 1

ELEVATION: 837.92 Ft. GW DEPTH (FT): 4.94, on 09/06/88

DRILLER: Rochester Drilling, S. Loranty

TOTAL DEPTH: 15.0 Ft.

DATE START: 08/31/88 DATE COMPLETE: 08/31/88 FIELD ENGINEER: D. Green

DEPTH FEET	BLOWS PER SIX INCHES	SAMPLE NO.	PERCENT RECOVERY	UNIFIED SOIL CLASSIFICATION	MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	FIELD INSTRUMENTATION: BOREHOLE: PHOTO IONIZATION DETECTOR HNu (PPM)	FIELD INSTRUMENTATION: BOREHOLE: ORGANIC VAPOR ANALYZER (PPM)	FIELD INSTRUMENTATION: SAMP.: ORGANIC VAPOR ANALYZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS	REMARKS
A	B	C	D	E	F	G	H	I	J	K	L M N O	P
1	1	SS #1	92	HL	0-7.5 SILT, very fine and fine SAND (HL), moderate yellowish brown (10 YR 5/4), well sorted, subangular, loose, dry, included plant matter such as leaves, grass and roots (0-1.0 Ft.), increasing moisture content with depth.			3.0				BKGD HNu: 1.0 ppm
	1											
	3											SS = 3 inch diameter split spoon samplers.
2	4											
	1	SS #2	100		2.0-2.5 Dry to moist.							SS driven with 375 lb. hammer with 30 inch fall.
3	2							1.0				
	3											Hollow stem auger boring.
4	2											
	3	SS #3	100									Encounter "running" sands.
5	2											
	3							1.0		BEC-S-SB18-01		
6	3											
	2											
7	3	SS #4	100		7.0-7.5 Moist to wet.			1.0		BEC-S-SB18-XX		
	3											
8	4			GH	7.5-8.3 Silty coarse SAND and GRAVEL (GH), moderate yellowish brown (10 YR 5/4), poorly sorted, subangular, loose, wet.							
	3											
9	2	SS #5	83	HL	8.3-9.1 SILT and fine SAND (HL), moderate yellowish brown (10 YR 5/4), moderately well sorted, subangular, loose to medium dense, wet.					BEC-S-SB18-02		
	3											
10	3											
				GH	9.1-10.0 Same 7.5-8.3 Ft.							10.0 Ft. Auger refusal on boulder.
11												Move ~5 Ft. west and auger to 8.0 Ft., collect split spoon sample.
12												10-13 Ft. Continuous augering.
13	6			HL	13.0-13.5 Same 8.3-9.1 Ft.							
	4	SS #6	25									
14	5							1.0				
15	6				End of Borehole at 15.0 Ft.							

BORING TERMINATE AT 15.0 FT

BORING NO.: MW-4

SUMMARY LOG OF BORING

PROJECT: BEC Trucking Site, Vestal NY, 2L29

BORING NO.: MW-5 SHEET 1 OF 1

ELEVATION: 833.20 Ft. GW DEPTH (FT): 1.08, on 09/06/88

DRILLER: Rochester Drilling, S. Kahn

TOTAL DEPTH: 15.0 Ft.

DATE START: 08/23/88 DATE COMPLETE: 08/23/88. FIELD ENGINEER: T. Silar

DEPTH FEET	BLOWS PER SIX INCHES	SAMPLE NO.	PERCENT RECOVERY	DESCRIPTION: UNIFIED SOIL CLASSIFICATION	DESCRIPTION: MATERIAL CLASSIFICATION	FIELD INSTRUMENTATION: BOREHOLE: LOWER EXPLOSIVE LIMIT (%)	FIELD INSTRUMENTATION: BOREHOLE: PHOTO IONIZATION DETECTOR HNu (PPM)	FIELD INSTRUMENTATION: BOREHOLE: ORGANIC VAPOR ANALYZER (PPM)	FIELD INSTRUMENTATION: SAMP.: ORGANIC VAPOR ANALYZER (PPM)	LABORATORY SAMPLE NO.	LABORATORY TESTS: RESULTS	REMARKS
A	B	C	D	E	F	G	H	I	J	K	L M N O	P
1	2	SS #1	83	SH	0-1.5 Fine to medium SAND (SH), light to medium brown, loose, moist, with abundant root and organic matter.							SS = 3 inch diameter split spoon samplers.
	2											
	3			Pt	1.5-4.6 PEAT (Pt), dark gray to black.							SS driven with 130 lb. hammer with 30 inch fall.
2	3											
3		Shelby Tube	100									Hollow stem auger boring.
4												
5	5	SS #2	75	SP	4.6-5.5 Fine SAND (SP), medium brown, well sorted, subangular, loose, moist.							
	4				5.0-5.5 Gradational basal contact.					BEC-S-SB15-01		
6	4			SH	5.5-8.0 Very fine to fine SAND (SH), greenish brown to olive, with 10-15% silt, well sorted, subangular, loose, moist to wet.							
7	2	SS #3	75									
	2											
8	5											
	6											
9												8-13 Ft. Continuous augering.
10												
11												
12												
13												
	3	SS #4	92	SH	13.0-15.0 Fine to medium SAND (SH), greenish brown to olive, with 5-10% silt, loose to medium dense, wet.							
14	2									BEC-S-SB15-02		
	4											
15	6				End of Borehole at 15.0 Ft.							

BORING TERMINATE AT 15.0 FT

BORING NO.: MW-5

EBASCO SERVICES INCORPORATED

TEST PIT LOG

TEST PIT NO.: TP-1
SHEET 1 OF 1

PROJECT: BEC Trucking Site, Vestal, NY 2LZ9

COORDINATES: N- _____ E- _____

EXCAVATOR: Rochester Drilling

TOTAL DEPTH: 4.0 Ft.

WIDTH: 3 ft.

LENGTH: 12 ft.

ELEVATION: 842.8 Ft.

DEPTH TO GROUND WATER: _____

DATE STARTED: 8-15-88

DATE COMPLETED: 8-15-88

LOGGED BY: D. Green

DEPTH (FEET)	DESCRIPTION	REMARKS
1.0	FILL, silt and very fine sand (ML), moderate yellowish brown (10 YR 5/4), with 30% subrounded gravel and cobbles, loose, 0-1.0 dry, 1.0-1.5 moist, sharp basal contact.	BKGD HNu: 1.1 ppm
2.0	FLY ASH FILL, silt and very fine sand (ML), olive gray (5 Y 4/1), with 10% subrounded gravel, loose, dry to moist.	Dug around metal object - too large to move. Confirmed magnetic anomaly, therefore discontinued excavation.
3.0		
	3.9 Encountered large metal object.	
4.0	Bottom of Test Pit at 4.0 Ft.	

EBASCO SERVICES INCORPORATED

TEST PIT LOG

TEST PIT NO.: TP-2
SHEET 1 OF 1

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

COORDINATES: N– _____ E– _____

EXCAVATOR: Rochester Drilling

TOTAL DEPTH: 11.8 Ft. WIDTH: 3 Ft. LENGTH: 12 Ft.

ELEVATION: 846.7 Ft. DEPTH TO GROUND WATER: Approximately 10 Ft.

DATE STARTED: 8-16-88 DATE COMPLETED: 8-16-88 LOGGED BY: D. Green

DEPTH (FEET)	DESCRIPTION	REMARKS
1.0	FILL, silt and very fine sand (ML), moderate yellowish brown (10 YR 5/4), with 30% gravel and cobbles, loose, 0-1.0 dry, 1.0-1.5 moist, sharp basal contact.	BKGD HNu: 0.8 ppm Area of soil gas investigation "hot spot".
2.0	FLY ASH FILL, silt and clay (ML/CL), olive gray (5 Y 4/1), medium plasticity, with 10% subrounded gravel and cobbles, loose, moist.	
3.0	2.3 Grades to dark greenish gray (5 GY 4/1).	
4.0		
	4.5-8.0 Large roots, stumps, and pieces of decaying trees.	
5.0		
6.0		
7.0		
8.0	8.0 Sharp basal contact with natural soil.	
	CLAY (CH), light olive gray (5 Y 5/2), medium to high plasticity, soft, 8.0-10.0 moist, 10.0-11.8 wet.	
9.0		
10.0	10.0-11.0 Encountered saturated conditions, approximate depth to water table.	
11.0		Discontinued excavation 1-2 ft. below water table - no visible evidence of contamination.
	Bottom of Test Pit at 11.8 Ft.	

EBASCO SERVICES INCORPORATED

TEST PIT LOG

TEST PIT NO.: TP-3
SHEET 1 OF 1

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

COORDINATES: N– _____ E– _____

EXCAVATOR: Rochester Drilling

TOTAL DEPTH: 11.0 Ft. WIDTH: 3 Ft. LENGTH: 13 Ft.

ELEVATION: 846.9 Ft. DEPTH TO GROUND WATER: Approximately 10 Ft.

DATE STARTED: 8-16-88 DATE COMPLETED: 8-16-88 LOGGED BY: D. Green

DEPTH (FEET)	DESCRIPTION	REMARKS
1.0	FILL, silt and very fine sand (ML), moderate yellowish brown (10 YR 5/4), with 30% subrounded gravel and cobbles, loose, 0-1.0 dry, 1.0-1.5 moist, sharp basal contact.	BKGD HNu: 1.0 ppm Area of soil gas investigation "hot spot"
2.0	FLY ASH FILL, silt and clay (ML/CL), olive gray (5 Y 4/1), with 20% subangular very fine and fine sand, with 10% subrounded gravel and cobbles, loose moist.	Chemical sample collected from backhoe bucket, depth 2 ft, BEC-S-S803-01.
3.0	2.5 Grades to dark greenish gray (5 GY 4/1).	
4.0	2.5-3.0 Chunks of asphalt and tar encountered at North end of test pit. 2.5-6.0 Large roots, stump, and pieces of decaying trees.	
5.0		
6.0	6.0 Sharp basal contact with natural soil.	
7.0	CLAY (CH), light olive gray (5 Y 5/2) to olive gray (5 Y 3/2), medium to high plasticity, soft, 6.0-10.0 moist, 10.0-10.5 wet.	Chemical sample collected from backhoe bucket, depth 6 ft., BEC-S-S803-02.
8.0		
9.0		Chemical sample collected from backhoe bucket, depth 10-11 ft., BEC-S-S803-03.
10.0	10.0 Encountered saturated conditions, approximate depth to water table. 10.0-10.5 Gradational basal contact with sand and gravel underlying clay (encountered in last backhoe bucket).	Discontinued excavation 1 ft. below water table- no visible evidence of contamination.
11.0	Bottom of Test Pit at 11.0 Ft.	

EBASCO SERVICES INCORPORATED

TEST PIT LOG

TEST PIT NO.: TP-4

SHEET 1 OF 1

PROJECT: BEC Trucking Site, Vestal NY, 2L29

COORDINATES: N- _____ E- _____

EXCAVATOR: Rochester Drilling

TOTAL DEPTH: 4.0 Ft.

WIDTH: 2.5 Ft.

LENGTH: 12 Ft.

ELEVATION: 842.1 Ft.

DEPTH TO GROUND WATER: _____

DATE STARTED: 08-16-88

DATE COMPLETED: 08-16-88

LOGGED BY: D. Green

DEPTH (FEET)	DESCRIPTION	REMARKS
1.0	FILL, silt and very fine sand (ML), moderate yellowish brown (10 YR 5/4), with 5-10% clay and 10-15% subrounded gravel and cobbles, loose, 0-1.0 dry, 1.0-4.0 moist.	BKGD HNu: 1.0 ppm
2.0	2.0-2.5 Encountered pieces of metal, brick and wood; including large metal masonry mixer.	Confirmed magnetic anomaly.
3.0		
4.0	Bottom of Test Pit at 4.0 Ft.	

EBASCO SERVICES INCORPORATED

TEST PIT LOG

TEST PIT NO.: TP-5

SHEET 1 OF 1

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

COORDINATES: N– E–

EXCAVATOR: Rochester Drilling

TOTAL DEPTH: 4.75 Ft. WIDTH: 3.5 Ft. LENGTH: 13.5 Ft.

ELEVATION: 840.6 Ft. DEPTH TO GROUND WATER:

DATE STARTED: 08-16-88 DATE COMPLETED: 08-16-88 LOGGED BY: D. Green

DEPTH (FEET)	DESCRIPTION	REMARKS
1.0	Silty fine SAND (SM), dark yellowish brown (10 YR 4/2), with 20% subrounded gravel and cobbles, loose, dry, some roots and organic matter.	BKGD HNu: 0.8 ppm No large metal objects were excavated (to confirm the magnetic anomaly) however much scrap metal was observed on the ground surface in the area. Excavation was discontinued when natural clay was encountered and no visible signs of contamination were evident.
2.0		
3.0		
4.0	Gradational basal contact.	
	Silty CLAY (CL), olive gray (5 Y 4/1), medium plasticity, with 5-10% subrounded gravel, soft, moist.	
	Bottom of Test Pit at 4.75 Ft.	

EBASCO SERVICES INCORPORATED

TEST PIT LOG

TEST PIT NO.: TP-6

SHEET 1 OF 1

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

COORDINATES: N– _____ E– _____

EXCAVATOR: Rochester Drilling

TOTAL DEPTH: 1.5 Ft.

WIDTH: 3 Ft.

LENGTH: 12 Ft.

ELEVATION: 841.3 Ft.

DEPTH TO GROUND WATER: _____

DATE STARTED: 08-17-88

DATE COMPLETED: 08-17-88

LOGGED BY: D. Green

DEPTH (FEET)	DESCRIPTION	REMARKS
1.0	FILL, silt and very fine sand (ML), moderate to dark yellowish brown (10 YR 5/4 - 10 YR 4/2), with 10% subrounded gravel and cobbles, loose, dry. Encountered large pieces of metal, cinder blocks, and wood.	BKGD HNu: 1.2 ppm Confirmed magnetic anomaly.
	Bottom of Test Pit at 1.5 Ft.	

EBASCO SERVICES INCORPORATED

TEST PIT LOG

TEST PIT NO.: TP-7
SHEET 1 OF 1

PROJECT: BEC Trucking Site, Vestal NY, 2LZ9

COORDINATES: N– _____ E– _____

EXCAVATOR: Rochester Drilling

TOTAL DEPTH: 4.5 Ft. WIDTH: 4 Ft. LENGTH: 11 Ft.

ELEVATION: 839.5 Ft. DEPTH TO GROUND WATER: _____

DATE STARTED: 08-17-88 DATE COMPLETED: 08-17-88 LOGGED BY: M. Noblet

DEPTH (FEET)	DESCRIPTION	REMARKS
1.0 2.0 3.0 4.0	FILL, fine to coarse sand (SW), moderate brown (5 YR 4/4) to dark yellowish brown (10 YR 4/2), with 30% subrounded to rounded gravel and cobbles, loose, dry. Encountered pieces of wood, brick, metal, tar paper, and asphalt. 4.5 Encountered large metal object.	BKGD HNu: 1.0 ppm Confirmed magnetic anomaly, therefore discontinued excavation.
	Bottom of Test Pit at 4.5 Ft.	

EBASCO SERVICES INCORPORATED

TEST PIT LOG

TEST PIT NO.: TP-8
SHEET 1 OF 1

PROJECT: BEC Trucking Site, Vestal NY, 2L29

COORDINATES: N- _____ E- _____

EXCAVATOR: Rochester Drilling

TOTAL DEPTH: 6.5 Ft.

WIDTH: 3.5 Ft. LENGTH: 9 Ft.

ELEVATION: 836.1 Ft.

DEPTH TO GROUND WATER: _____

DATE STARTED: 08-17-88 DATE COMPLETED: 08-17-88 LOGGED BY: M. Noblet

DEPTH (FEET)	DESCRIPTION	REMARKS
1.0 2.0 3.0 4.0	FILL, silt and very fine to fine sand (ML), moderate to dark yellowish brown (10 YR 5/4 - 10 YR 4/2), loose, dry to moist. Encountered pieces of wood, rubber, cloth, bricks and metal banding. 3.5 Encountered metal pipe. 4.0 Encountered scrap metal.	BKGD HNu: 1.2 ppm Metal encountered 3.5-4.0 may confirm magnetic anomaly. Also noted metal on ground surface near test pit. Therefore, excavation was discontinued when natural clay was encountered and no visible signs of contamination were evident.
5.0 6.0	CLAY (CH), olive gray (5 Y 4/1), medium to high plasticity, soft, moist, with organic matter such as small wood fibers and shell fragments.	
	Bottom of Test Pit at 6.5 Ft.	

EBASCO SERVICES INCORPORATED

TEST PIT LOG

TEST PIT NO.: TP-9
SHEET 1 OF 1

PROJECT: BEC Trucking Site, Vestal NY, 2L29

COORDINATES: N– _____ E– _____

EXCAVATOR: Rochester Drilling

TOTAL DEPTH: 6.0 Ft.

WIDTH: 3.5 Ft.

LENGTH: 12 Ft.

ELEVATION: 841.1 Ft.

DEPTH TO GROUND WATER: _____

DATE STARTED: 08-17-88

DATE COMPLETED: 08-17-88

LOGGED BY: M. Noblet

DEPTH (FEET)	DESCRIPTION	REMARKS
	FILL, silt and very fine sand to coarse sand (SM/SW), grayish brown (5 YR 3/2) to dark yellowish brown (10 YR 4/2), with 10-15% subrounded gravel and cobbles, loose, dry to moist. Encountered pieces of wood, plastic, rubber, cloth, bricks and metal.	BKGD HNu: 1.2 ppm
1.0		
2.0	2.0 Encountered metal pipe (approximately 3 inches in diameter, 10 Ft. long).	
3.0		
4.0		
5.0	5.0 Encountered scrap metal.	Confirmed magnetic anomaly.
6.0	Bottom of Test Pit at 6.0 Ft.	

APPENDIX F

HEALTH AND SAFETY PLAN

A Health and Safety plan (HASP) and associated Community Air Monitoring Plan (CAMP) will be prepared by a qualified person in accordance with the most recently adopted and applicable general industry (29 CFR 1910) and construction (29 CFR 1926) standards of OSHA, the U.S. Department of Labor, as well as any other federal, state or local applicable statutes or regulations. The CAMP will include the appropriate requirements identified by the NYSDOH. Both documents shall be prepared in accordance with NYSDEC's DER-10. A copy of the HASP will be available at the site during the conduct of all activities to which it is applicable.

APPENDIX G

SITE MANAGEMENT FORMS

This Appendix will include all site-specific site management forms including the site inspection form. The completed form will be provided to the NYSDEC in electronic format in accordance with the reporting requirements specified in Section 7.0 of the SMP. All forms presented are subject to approval of the NYSDEC.