Central Hudson
Gas & Electric Corporation

December 27, 2006

Mr. Gardiner Cross
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Re: 1 West Main Street, Beacon, New York
Interim Remedial Measure (IRM) Work Plan

Dear Mr. Cross:

Enclosed please find a hard copy and CD of the *Interim Remedial Measure (IRM) Work Plan* (IRM Work Plan) for the property located at 1 West Main Street in Beacon, New York. This IRM Work Plan has been revised from the version previously submitted on September 29, 2006, to address NYSDEC's comments discussed during a conference call on December 7, 2006. The main revisions included changes to Section 2.6 – Air Monitoring (to refer to the NYSDOH Generic Community Air Monitoring Plan) and changing the title of the document to reflect that the work will be conducted as an IRM under CHGE's exiting Voluntary Cleanup Agreement (VCA) Index No. D3-0005-99-04.

The hard copy document includes text, tables, figures, Attachments 1 (Relevant Information from Previous Investigation Reports) and Attachment 3 (NYSDOH Generic Community Air Monitoring Plan). The CD contains a PDF of the complete document, including Attachment 2 (Previous Investigation Reports).

If you should have any questions and/or comments, please feel free to contact Jeffrey Clock at (845) 486-5534. We look forward to receiving NYSDEC's approval of the IRM Work Plan

Respectfully,

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Assistant Environmental Specialist

cc: Robert Schick, NYSDEC
Gary Litwin, NYSDOH
Jeffrey Clock, CHGE
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Interim Remedial Measure (IRM) Work Plan

1 West Main Street Beacon, New York

VCA Index No. D3-0005-99-04

Central Hudson Gas & Electric Corporation
Poughkeepsie, New York

December 2006

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2 Previous Investigation Reports (on CD)
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1. Introduction

1.1 General

This *Interim Remedial Measure (IRM)Work Plan* (IRM Work Plan) describes the scope of work for soil removal activities to be conducted by Central Hudson Gas & Electric Corporation (CHGE), on behalf of Metro-North Commuter Railroad Co. (M-NR), at a property located on 1 West Main Street in Beacon, New York (Figure 1). The scope of work generally involves the removal and offsite disposal of visually impacted soils adjacent to the southeast corner of the Dorel Building on the subject property (Figure 2), which were identified during Phase I/II investigation activities conducted by M-NR between July 2005 and May 2006. The impacted soils are assumed to contain manufactured gas plant (MGP) tars that are associated with the former Beacon MGP site located just east of the subject property (Site # 314069; Figure 2). The subject property is currently owned by CCJM Company, but it is CHGE's understanding the M-NR is considering purchasing the property and using the Dorel Building as a warehouse. Access to the property required for implementing this IRM Work Plan will be obtained from the current property owner, through M-NR.

Note that work conducted by CHGE at the former Beacon MGP site was performed under Voluntary Cleanup Agreement (VCA) Index No. D3-0005-99-04. CHGE received a Release from the New York State Department of Environmental Conservation (NYSDEC) under the VCA on January 31, 2002. The work proposed in this IRM Work Plan will also be conducted under the existing VCA.

1.2 Site Description

The subject property is approximately 4.1 acres in size, with an approximately 32,000 square foot building located in the southern portion of the property. According to the *Modified Phase-1 Environmental Site Assessment Report* (Phase I Report; YU & Associates, Inc. [YU], September 2005), the building was reportedly formerly used for office space, assembly, sales, and warehousing. A grass covered area surrounds the building and an asphalt-paved parking lot covers the northern half of the property. A contractor storage area is located in the northwest corner of the property. A fenced area located in the east-central portion of the property is used by an adjacent auto body shop to store vehicles. The southeastern portion of the property is covered with trees, high brush, and other materials. A large stockpile of stone/debris is located immediately south of the site (*Phase II ESA Project Status Report*, Day Engineering, P.C. [DAY], December 2005).

1.3 Site History

According to the Phase I Report (YU, September 2005), the following companies formerly occupied the subject property (based on review of Sanborn maps from 1884 to 1962):

- Hudson Straw Works;
- W.N. Cambell Sash, Door and Blind Factory;
- Federal Glue Company;
- Gillette Rubber Company;
- Beacon Tire Company;
- Harry Hooper Coal Company;

- Hammond Paint and Chemical Company;
- Duchess Coal Company; and
- Inflated Products Company.

1.4 Previous Investigations

Investigations conducted at the subject property include:

- Modified Phase I Environmental Site Assessment (July – August 2005);
- Phase II Environmental Site Assessment (November – December 2005); and
- Supplemental Phase II Investigation (May 2006).

Each of the investigations are summarized below. Relevant information (e.g., boring logs, data summary tables, etc.) from each of these investigations are provided in Attachment 1. Complete investigation reports are provided in Attachment 2 (on CD).

1.4.1 Modified Phase I Environmental Site Assessment

A detailed discussion of the scope and findings of the Modified Phase I Environmental Site Assessment (ESA) are presented in the Phase I Report (YU, September 2005), and are summarized below. As discussed in the Phase I Report, the Phase I ESA scope of work was divided into two tasks: Task 1 – Phase I ESA and Task 2 – Pre-Phase II Investigation. The Phase I ESA was conducted in accordance with ASTM E1527, and included review of historical documentation, federal and state database/records searches, visual observation of current conditions, and reconnaissance of adjoining properties. Based on the findings of the Phase I ESA, ten Potential Concerns and five Recognized Environmental Conditions (RECs) were identified on the subject property.

Three Potential Concerns/RECs were investigated as part of the Pre-Phase II Investigation, which included the following activities:

- Advancement of four soil borings;
- Collection of three soil samples (for analysis of volatile organic compounds [VOCs], semivolatile organic compounds [SVOCs], metals, pesticides, polychlorinated biphenyls (PCBs), phenols, and cyanides); and
- Collection of one groundwater sample (for analysis of VOCs, SVOCs, metals, pesticides, and PCBs).

The locations of the four soil borings are depicted on Figure 2. Boring depths ranged from 1 to 20 feet below grade. The primary material encountered in the borings was fill material consisting of varying amounts of gravel, sand, silt, wood, concrete fragments, and brick fragments. The fill material generally extended to depths of 7 to 10 feet below grade. Native soils, consisting of mixtures of clay, silt and/or sand, were encountered below the fill material at three of the four borings. MGP tar-type material was not encountered in any of the four borings. For each boring, Table 1 summarizes the depth intervals that fill and native materials were encountered, if/where refusal was encountered, and the depths at which MGP tar-type materials were observed.

NYSDEC Recommended Soil Cleanup Objectives for certain VOCs, SVOCs, metals, and total phenols were exceeded in one or more of the soil samples. NYSDEC Ambient Water Quality Standards for certain VOCs, SVOCs, metals, and pesticides were exceeded in the groundwater sample. Based on the results of the Pre-Phase II Investigation, additional soil and groundwater sampling and analysis were recommended in the Phase I Report (YU, September 2005).

1.4.2 Phase II Environmental Site Assessment

A detailed discussion of the scope and findings of the Phase II ESA are presented in the *Phase II ESA Project Status Report* (DAY, December 2005), and are summarized below. The following investigation activities were conducted as part of the Phase II ESA:

- Advancement of 31 direct-push test borings;
- Installation of five 1-inch diameter monitoring wells;
- Collection of 15 soil samples (for analysis of VOCs, SVOCs, metals, PCBs, cyanide, pH, ignitability, and/or reactivity); and
- Collection of six groundwater samples (for analysis of VOCs, SVOCs, and/or metals).

The locations of the 31 test borings are depicted on Figure 2. Boring depths ranged from 8 to 12 feet below grade. The primary material encountered in the borings was fill material consisting of varying amounts of gravel, sand, coal, slag, wood, and brick fragments. The fill material generally extended from approximately 0.5 feet below grade (at most locations, fill was overlain by approximately 0.5 feet of asphalt pavement or topsoil) to depth of 5 to 12 feet below grade. Native soils, consisting of mixtures of clay, silt and/or sand, were encountered below the fill material at 18 of the 31 borings. Refusal of the direct push boring equipment, potentially indicative of the top of bedrock, was encountered at six borings. MGP tar-type material was encountered within the fill material at eight borings. For each boring, Table 2 summarizes the ground surface type, depth intervals that fill and native materials were encountered, if/where refusal was encountered, and the depths at which MGP tar-type materials were observed.

Groundwater was measured at depths ranging from approximately 1 to 5 feet below grade in the five monitoring wells.

NYSDEC Recommended Soil Cleanup Objectives for certain VOCs and SVOCs were exceeded in one or more of the soil samples. Metals concentrations in the soil samples were generally low and/or comparable to published background values. PCBs were not detected in any of the soil samples. Based on waste characterization testing, the fill material is not considered a characteristic hazardous waste.

NYSDEC Ambient Water Quality Standards for certain VOCs and SVOCs were exceeded in the groundwater samples collected from MW-103. VOCs and SVOCs were either not detected or detected below standards in the samples from the other wells. NYSDEC Ambient Water Quality Standards for certain metals were exceeded in the groundwater samples collected from MW-101 (lead and mercury) and MW-102 (lead).

1.4.3 Supplemental Phase II Investigation

Based on the findings of the Phase II ESA, a Supplemental Phase II Investigation was conducted. A detailed discussion of the scope and findings of the Supplemental Phase II Investigation are presented in the *Supplemental Phase II Investigation Report* (YU, June 2006), and are summarized below. The following investigation activities were conducted as part of the Supplemental Phase II Investigation:

- Advancement of 11 direct-push test borings within the Doral Hat Building;
- Collection of seven soil samples (for analysis of VOCs, SVOCs, cyanide, pH, ignitability, and/or reactivity); and
- Collection of one groundwater sample from MW-103 (for analysis of VOCs and SVOCs).

The locations of the 11 test borings are depicted on Figure 2. Boring depths ranged from 4 to 16 feet below grade. The primary material encountered in the borings was fill material consisting of varying amounts of gravel, sand, silt, coal, slag, ash, and cinders. The fill material generally extended from below the concrete building floor to depths of 4 to 12.5 feet below the floor[1]. Native soils, consisting of mixtures of clay, silt and/or sand, were encountered below the fill material at seven of the 11 borings. Refusal of the direct push boring equipment was encountered at four borings. MGP tar-type material was encountered (generally within the fill material) at four borings. For each boring, Table 3 summarizes the depth intervals that fill and native materials were encountered, if/where refusal was encountered, and the depths at which MGP tar-type materials were observed.

NYSDEC Recommended Soil Cleanup Objectives for certain VOCs and SVOCs were exceeded in one or more of the soil samples. Based on waste characterization testing, the fill material is not considered a characteristic hazardous waste.

NYSDEC Ambient Water Quality Standards for certain VOCs and SVOCs were exceeded in the groundwater samples collected from MW-103.

1.5 Extent of Visually Impacted Soils

As discussed above in Section 1.4 and shown on Figure 2, visually impacted soils that contain MGP tar-type materials are present beneath the southeast corner of the Doral Hat Building and also outside of the building, adjacent to the southeast corner. Outside of the building, the visibly impacted soil area is defined to the north by TB-119 and to the south by TB-124 and TB-128 (no visibly impacted soils were observed at these borings). The presence of a steep, densely vegetated hillside that slopes up away from the Doral Hat Building toward River Street has prevented additional investigations to the east. Visually impacted soils were observed (generally in fill materials) at depths of up to 10 feet below grade. Native soils were present at the majority of the soil borings present within this area at depths beginning from 5 to 10 feet below grade. Refusal (potentially indicative of bedrock) was encountered within this area at depths ranging from 9 to 15 feet below grade.

[1] Note: the building floor is approximately three feet higher than the ground surface outside of the building.

2. Scope of Work

2.1 General

This section presents a description for the IRM soil removal activities that will be conducted by CHGE at the 1 West Main Street property in Beacon, New York. The following activities will be conducted:

- Remediation Contractor procurement, survey, and pre-remediation submittals;
- Mobilization/site preparation;
- Site security;
- Soil removal;
- Air monitoring;
- Water management;
- Equipment cleaning and residual waste management;
- Transportation and disposal;
- Post-removal activities; and
- Demobilization.

Each of these activities is discussed in detail below.

2.2 Remediation Contractor Procurement, Survey, and Pre-Remediation Submittals

CHGE will select a Remediation Contractor to implement the IRM soil removal activities. Prior to conducting the soil removal activities, the selected Remediation Contractor will conduct a survey of the soil removal area, which is anticipated to include survey of the following features:

- Above grade physical site features including all above grade structures;
- Below grade features such as building footers;
- Horizontal limits of the proposed soil removal area;
- Surface contours at a 1-foot interval; and
- Above and below grade utilities (if applicable).

Survey control will include survey control benchmarks and monuments. A licensed surveyor will provide the surveying functions/services necessary for the proper construction and documentation of the activities.

As required/appropriate, the Remediation Contractor will prepare the following submittals for review and approval by the NYSDEC and the New York State Department of Health (NYSDOH):

- Site Operations Plan (SOP); and
- Site Health and Safety Plan (HASP).

Each of these submittals is described below.

Site Operations Plan

The SOP will provide detailed procedures for completing the IRM soil removal activities. The following topics are anticipated to be included in the SOP:

- Work schedule;
- Site security;
- Mobilization and site preparation;
- HASP and other plan preparation;
- Staging area development;
- Erosion and sedimentation control measures;
- Excavation support methods (including foundation protection adjacent to the Doral Hat Building);
- Excavation methods;
- Construction quality assurance/quality control measures;
- Material handing methods;
- Material dewatering/stabilization methods;
- Odor control;
- Dewatering liquid handling and disposal (including disposal facilities, testing requirements, permitting requirements, and pretreatment requirements, if necessary);
- Impacted soil/waste handling and disposal (including disposal facilities, testing requirements, permitting requirements, and pretreatment requirements, if necessary);
- Offsite transportation plan (including description of containers and covers, modes of transportation, permitting requirements, and expected frequency and schedule of transportation);
- Disposal facility(ies);
- Select backfill installation;
- Equipment cleaning and residual waste management;
- Demobilization; and
- Organizational chart of key personnel, including subcontractors and resumes of key personnel.

The Remediation Contractor will submit the SOP to the NYSDEC and NYSDOH at least 20 days prior to the IRM soil removal activities.

Site Health and Safety Plan

The Remediation Contractor will be responsible for the preparation of the overall site-specific HASP that will establish safe working conditions at the site during the IRM soil removal activities. Each party performing work on site will comply with the overall site-specific HASP and will prepare their own task-specific HASP for their organization, which will be consistent with the overall site-specific HASP. Each task-specific HASP must meet the minimum requirements established in the site-specific HASP and 29 CFR 1910 and 1926. Each party will also agree in writing to abide by requirements set forth in the site-specific HASP. The Remediation Contractor will submit the overall site-specific HASP and the subcontractor's task-specific HASPs to NYSDEC and NYSDOH at least 20 days prior to the IRM soil removal activities.

The site-specific HASP, at a minimum, will meet the requirements of 29 CFR 1910 and 29 CFR 1926 (which includes 29 CFR 1910.120 and 29 CFR 1926.65). It is anticipated that the HASP will include, but will not be limited to, the components described below.

- Identification of Key Personnel – Identification of the onsite and offsite health and safety personnel responsible for the implementation of health and safety procedures. All onsite personnel involved in the activities will be required to maintain OSHA 40-hour hazardous waste training (29 CFR 1910.120 and 29 CFR 1926.65) and the corresponding 8-hour refresher course update.

- Training – A description of health and safety training requirements for supervisory and onsite personnel will be presented. Training requirements will include attending an initial site orientation prior to engaging in any onsite activities.

- Medical Surveillance – A description of appropriate medical examinations required for supervisory and onsite personnel to conduct the tasks associated with the performance of the remedy will be presented. Associated tasks may include the following: working with chemicals, heavy lifting, using respiratory protection, using personal protective equipment (PPE) and conducting hazardous substance operations in accordance with 29 CFR 1910.120 and 1926.65.

- Task Specific Risk/Hazard Analysis – A description of chemical and physical hazards associated with removal of the impacted soil within the soil removal area will be presented in the HASP. In addition, a discussion of identifying and mitigating foreseeable chemical and physical hazards associated with the work will be presented. Foreseeable chemical and physical hazards may include, but will not be limited to, hazards associated with exposure to constituents of concern, heavy equipment operation, site conditions, weather, biological hazards, materials handling, and work around excavated areas and water.

- Work Zones – A description of the work zones that will be established during the IRM soil removal activities will be presented. The work zones will be preliminarily delineated on a figure that depicts the designation of zones including: (1) Exclusion Zones; (2) Contamination Reduction Zones; and (3) Support Zones. The level of personal protection required for each work zone will be specified.

- Personal Safety Equipment and Protective Clothing – The HASP will identify personal safety equipment and protective clothing to be used and available onsite. This will include identification of expected levels of protection for the work, and the action levels for PPE upgrades. Also included will be a respiratory protection program that meets the requirements of 29 CFR 1910.134, which establishes specific requirements for any respirator use.

- Air Monitoring Plan – An air monitoring plan that identifies air-monitoring requirements within the soil removal area and at the perimeter for site-specific constituents of concern. The air-monitoring plan may contain requirements for personnel monitoring and will present trigger concentrations for site-specific constituents of concern that will require corrective action.

- Equipment Cleaning – The methods and procedures for cleaning of personnel, vehicles, and equipment will be described.

- Confined Space Entry – The HASP will describe procedures for confined space entry in accordance with OSHA's Permit-Required Confined Space Standard (29 CFR 1910.146). In addition, requirements for Confined Space Entry Training for all authorized personnel in accordance with 29 CFR 1910.146 will be presented.

- Overhead and Electrical Safety – The HASP will describe procedures for electrical safety in accordance with the requirements of OSHA (29 CFR 1926.550), New York State High Voltage Proximity Act, New York State Department of Transportation (Code SB-92-2), and New York State Department of Labor, Code Rule 57, Section 202-h (High Voltage Proximity Act).

- Material Safety Data Sheets – Material Safety Data Sheets (MSDSs) for all materials to be brought onsite, as well as constituents that are expected to be encountered in the course of remediation, will be presented as an attachment or appendix to the HASP.

- Excavation Safety – Excavation and trenching safety procedures as specified in 29 CFR 1926 Subpart P including, but not limited to soil classification, excavation inspections, protective systems, and designated competent persons will be discussed.

- Procedures and Programs – Standard operating procedures and safety programs as required by applicable sections of Section 1910 of 29 CFR 1910 and 29 CFR 1926.

- Contingency Plan – The HASP will also contain a contingency plan to be implemented in the event of various emergency or non-routine events. The contingency plan will set forth procedures for addressing spill prevention and emergency response procedures, odor control, emergency vehicular access/egress, evacuation, emergency notification and contacts, and emergency medical procedures.

2.3 Mobilization/Site Preparation

Prior to commencing the remediation, the Remediation Contractor will perform mobilization and site preparation activities. The following mobilization/site preparation activities are anticipated to be conducted by the Remediation Contractor (the exact methods used by the Remediation Contractor will be specified in the SOP):

- Identifying the location of all aboveground and underground utilities (e.g., electric, gas, water, sewer, telephone, etc.), equipment, and structures (as necessary to implement the IRM soil removal activities);
- Obtaining any necessary permits required by federal, state, and local codes, rules, or regulations;
- Mobilizing necessary remediation personnel, equipment, and materials to the subject property;
- Clearing of vegetation to facilitate the soil excavation activities;
- Constructing a stabilized construction entrance consisting at or near the soil removal area exit and establishing onsite and offsite traffic controls and patterns;
- Constructing a material staging area(s) for overall management and dewatering, stabilizing, and staging of excavated material;
- Constructing an equipment cleaning pad for trucks, equipment, and personnel that come into contact with impacted materials during soil removal activities;
- Establishing work zones (i.e. soil removal area, staging area, cleaning area, and other areas needed for the remediation) and health and safety zones (i.e. Exclusion Zone, Contamination Reduction Zone, and Support Zone);
- Installing erosion and sedimentation control measures in accordance with the SOP
- Constructing either an onsite water management system and associated piping connections (if applicable) to the sewer system for subsequent discharge to the local sewer system or a groundwater management area for staging water prior to offsite disposal in accordance with the water management procedures specified in the SOP;

- Abandoning groundwater monitoring wells that lie within the soil removal area;
- Installing and maintaining temporary fencing or other temporary barriers to limit unauthorized access to the areas where soil removal activities will be conducted; and
- Stabilizing the building foundation adjacent to the soil removal area by installing underpinning piles beneath/adjacent to the existing building foundation or other appropriate methods specified in the SOP.

2.4 Site Security

The level of site security will be dependent on the activities being performed and location of activities; however, the following security measures are anticipated to be implemented: fencing and/or barriers, warning tape/signs, maintenance of sign-in/sign-out sheets, and implementation of safe work practices. Descriptions of site security measures are provided below. The exact methods used by the Remediation Contractor will be specified in the SOP.

- Fencing – At a minimum, the soil removal area will be enclosed with a fence, to control access for non-authorized personnel. Access gates will provide ingress and egress access to the soil removal area. In addition, temporary construction fencing will also be used, as needed, to delineate and secure areas of the ongoing remediation activities. Temporary fencing is anticipated to be used in the following areas:

  - Areas where stockpiling (if applicable) or loading for offsite transport occurs;
  - Areas designated as health and safety zones;
  - Areas utilized for personal or equipment cleaning activities; and
  - Any areas where the remediation activities may cause a disruption to the normal vehicular or pedestrian traffic.

- Posting of Warning Tape and Signs – To restrict access during remediation activities, warning tape may be installed at certain locations, such as open excavations, cleaning areas, and stockpile areas.

- Sign-In/Sign-Out Sheet – For the duration of remediation activities, a sign-in/sign-out sheet will be maintained. All site personnel and site visitors will be required to sign in upon entering the site and sign out upon leaving.

- Implementation of Safe Work Practices – Implementation of safe work practices will provide for additional site security during remediation. Safe work practices that will contribute to overall security include the following:

  - Maintaining fencing and signage around all open excavations and other potentially dangerous areas;
  - Parking heavy equipment in a designated area each night and removing keys;
  - Maintaining an organized work area, including maintaining access roads, proper storage of all tools and equipment;
  - Conducting a daily security review and health and safety meetings; and
  - Maintaining covers on staging areas and associated sumps.

2.5 Soil Removal

The following subsections discuss the anticipated soil excavation method and approach, and soil dewatering/stabilization methods. The exact methods to be used will be specified in the Remediation Contractor's SOP.

2.5.1 Soil Excavation Method and Approach

As discussed above in Section 1.5 and shown on Figure 2, the anticipated horizontal soil removal limits encompass soil borings MW-103, TB-105, TB-106, TB-117, TB-121, TB-122, and TB-123 where visibly impacted soil containing MGP tar-type materials were observed. The soil removal area is defined to the north by TB-119 and to the south by TB-124 and TB-128 (no visibly impacted soils were observed at these borings). The Doral Hat Building defines the western limit of the soil removal area and the steep, densely vegetated hillside defines the eastern limit of the soil removal area. Within this area, MGP tar-type materials were observed (generally in fill materials) at depths of up to 10 feet below grade. Native soils were present at the majority of the soil borings present within this area at depths beginning from 5 to 10 feet below grade (MGP tar-type materials were generally not encountered within the native soils). Refusal (potentially indicative of bedrock) was encountered within this area at depths ranging from 9 to 15 feet below grade.

Within the soil removal area depicted on Figure 2, soils will be initially excavated to a depth of approximately 8 feet below existing grade, or to the top of the native soil or bedrock, whichever occurs first. If, after reaching a depth of 8 feet below grade or the top of the native soil, MGP tar-type materials are still present, excavation will continue until MGP tar-type materials are no longer observed, or until bedrock is encountered. The soil removal limits identified on Figure 2 encompass an area of approximately 4,200 square feet. Based on this area, and an assumed average removal depth of 8 feet, the resulting volume of soils anticipated to be removed from this area is 1,250 cubic yards (cy).

Soil excavation will generally be conducted using conventional excavation equipment. Soils visually impacted by MGP tar-type materials will be segregated from visually non-impacted soils to the extent feasible. Impacted materials will be handled, stabilized (as necessary), transported, and disposed of as set forth in the Remediation Contractor's SOP. Visually non-impacted soils will be stockpiled near or within the soil removal area and used as backfill.

Due to the anticipated excavation depths (up to 10 feet below grade) and soil characteristics, excavation support will be required to provide for stable and safe sidewalls. Due to the depth to bedrock within the soil removal area (estimated to be 9 to 15 feet below grade), sheetpiling is not anticipated to be a feasible excavation support mechanism. Instead, sloping or benching of the sidewalls will likely be the preferred excavation support method. Along the Doral Hat Building, underpinning (or other appropriate methods) of the building foundation may also be required to maintain the integrity of the building foundation. The exact excavation and building support methods will be specified in the Remediation Contractor's SOP.

Soil excavated from above the groundwater table will generally not require dewatering. However, soil excavated from below the groundwater table (anticipated to be encountered at approximately 1 to 5 feet below grade) will likely require dewatering and possibly stabilization. Dewatering of excavated materials, if needed to meet disposal requirements, will be performed in accordance with the requirements of the disposal facility. Soil dewatering/stabilization requirements are further described in Section 2.5.2

Odor/vapor and dust monitoring and control action levels will be specified in the overall site HASP (prepared by the Remedial Contractor) and NYSDOH's Generic Community Air Monitoring Plan (CAMP; Attachment 3). At a minimum, odor/vapor and dust controls will be initiated when work area action levels, as presented in the HASP, or perimeter action levels as specified in the CAMP are exceeded. Odor/vapor and dust control of the excavation and excavated materials, if necessary, is anticipated to be conducted through one or more of the following methods:

- Foam suppression;
- Water spray;
- Cover excavation and/or soil in staging area(s) with ultraviolet resistant polyethylene plastics at least 5-mil thick;
- Minimize extent of excavation areas; and/or
- Methods selected by the Remediation Contractor.

2.5.2 Soil Dewatering/Stabilization

Impacted soils will be direct loaded, to the extent practicable, in a manner that minimizes the potential for inadvertent releases to the environment, unsafe conditions for onsite personnel, and delays or complications in soil removal implementation. However, excavated impacted soil containing free liquids, if any, may require dewatering prior to offsite transportation and disposition as specified by the treatment/disposal facility. In general, excavated impacted soil that contains free liquid may be dewatered using gravity drainage and/or stabilized with other materials. Methods to be implemented during soil dewatering/stabilization activities will be further discussed in the Remediation Contractor's SOP. Following gravity dewatering, the paint filter test (USEPA SW-846 Method 9095) and/or visual observation may be used to determine if excavated impacted soil contains free liquids. If excavated impacted soil still contains free liquids, additional stabilizing agent will be mixed with the excavated material to reduce moisture content. Gravity dewatering and/or stabilizing operations will be conducted in a dedicated staging area constructed at location selected by the Remediation Contractor.

The anticipated staging are requirements are as follows:

- The excavated soil will be placed onto a 30 mil low-permeability liner of sufficient strength and thickness to prevent puncture during use. The placement and/or removal of soil into the staging area will not involve any equipment or procedures that may jeopardize the integrity of the underlying low-permeability liner;

- The staging area will be continuously covered with a properly anchored membrane, except while soil is actively being placed, stabilized, or removed. This membrane will be maintained for the duration of staging activities;

- A perimeter berm will be constructed around the staging area to contain water that has drained from the staged soils and to mitigate the potential for surface water run-on to come in contact with the staged soils;

- The staging area will be sloped and equipped with a sump to collect water that has drained from the stockpiled soils. Drained water will be removed from the sump, as required, and handled in accordance with Section 2.8 of this IRM Work Plan;

- Stabilizing operations may be conducted within the staging area, but only if the integrity of the low-permeability liner and perimeter berm is maintained throughout the work. Stabilizing operations include the addition of a stabilization agent to soils by some type of mechanical mixing (i.e., pug mill, backhoe, etc.). Stabilizing operations may also be conducted after the soil has been loaded into lined rolloffs for offsite disposition provided the integrity of the liner is maintained; and

- The staging area will be inspected daily and noted deficiencies will be promptly addressed.

2.6 Air Monitoring

An air-monitoring program will be established prior to, and will be implemented during, the soil removal activities to protect the health and safety of site workers and the surrounding community, address potential nuisance odors, and establish appropriate response protocols for potential emission source control. This effort will include both work area and perimeter air monitoring programs. The onsite air monitoring program will be conducted in accordance with the site specific HASP and the perimeter air monitoring program will be conducted in accordance with the NYSDOH's Generic CAMP (Attachment 3). The methods to control odors and/or vapors during remediation activities will be specified in the SOP, and may include the measures previously described in Section 2.5.1.

The work area/breathing zone air monitoring program is anticipated to be implemented by employing direct-reading survey instruments to identify the appropriate level of PPE needed based on total organic vapor and particulate concentrations. Excavations are anticipated to be monitored for total organic vapors, total particulate, lower explosive limit (LEL), oxygen, and hydrogen sulfide.

A perimeter air-monitoring program will be established and is anticipated to consist of air monitoring stations at the perimeter of the subject property. Perimeter monitoring will include use of hand held direct-reading survey instruments and/or dedicated direct-reading survey instruments for total organic vapors and particulate monitoring.

Action levels will be established for the worker area/breathing zone and perimeter air-monitoring program to determine if health and safety protocols or construction technique modifications need to be performed to reduce odor/vapor or dust emissions.

2.7 Water Management

During the soil excavation activities, surface water diversion methods and groundwater hydraulic controls will be implemented to minimize the amount of water that enters an excavation area. Surface water diversion methods may include (but are not limited to) channeling surface water flow around the soil excavation areas by excavating a temporary ditch, construction of berms, or installing piping to create a preferential flow path for the surface water around each excavation area. During the soil excavation activities, groundwater (or surface water) that accumulates within the excavation area will be removed to assist in dewatering the soil and to facilitate sedimentation/erosion control. Groundwater (or surface water) that accumulates within an excavation area will be removed via pumping (to the extent practicable). To minimize the amount of soil being removed during pumping activities, a sump may be constructed within the soil removal area using one of, or a combination of, the following techniques:

- Excavation of a sump and backfilling the sump with washed gravel and installing geotextile, as needed;
- Cutting perforations into a cylindrical object (i.e., a corrugated metal pipe or 55-gallon drum) and wrapping the perforated object with a non-woven geotextile fabric;
- Installing straw bales and/or silt fence around the area that the water is being pumped from; and/or
- Other methods selected by the Remediation Contractor.

Water generated as a result of the remediation activities will either be pretreated onsite and discharged to the local sewer system in accordance with applicable permits or be collected for offsite disposal in accordance with applicable federal, state and local regulations.

2.8 Equipment Cleaning and Residual Waste Management

Equipment cleaning will be utilized to prevent the transport of waste materials that may be present on the equipment used for remediation activities (e.g., excavators, loaders). The Remediation Contractor will select the methods and approach (as part of the SOP) for equipment cleaning activities. Specific equipment cleaning procedures will be required, at a minimum, to include the following:

- Each transport vehicle will be visually inspected before leaving the loading area. Accumulations of soil on the vehicle tires or other exterior surfaces will be removed manually or, if necessary, by using a high-pressure water and/or steam spray in the equipment cleaning area.

- Material handling equipment that has come into contact with waste-containing soils will be cleaned in the equipment cleaning area before it enters non-work areas, handles "clean" materials (e.g., backfill), or leaves the site. Equipment cleaning will likely be performed manually, utilizing a high-pressure water spray, and/or steam cleaning.
- Liquid materials, such as cleaning water (and other residual material collected during equipment cleaning), will be collected and containerized for offsite disposal and/or pretreated, if necessary, and discharged to the local sewer system.

- A visual inspection of heavy equipment (e.g., excavators, loaders) will be performed following final equipment cleaning. If the visual inspection indicates waste materials remain, the equipment will be recleaned and reinspected.

- Following completion of water treatment activities the temporary water treatment system (if installed as part of the water management system) will be subject to cleaning. Any accumulated material will be removed, containerized and sampled for the required disposal parameters of the selected disposal facilities to determine appropriate disposition. The treatment system components will then be cleaned by high-pressure water spray or flushing. The wash water will be collected and containerized for appropriate disposal.

Residual wastes likely to be generated during excavation activities include used disposable equipment, PPE, sampling equipment, cleaning residuals, etc. These materials will be containerized as generated and staged for subsequent disposal by the Remediation Contractor in accordance with federal, state, and local requirements. If soil transport activities are in progress, residual materials may be included with the materials subject to offsite disposal. Waste characterization samples (if any) will be submitted to an NYSDOH ELAP-approved laboratory for analysis.

2.9 Transportation and Disposal

Impacted soils will be direct loaded, to the extent practicable, in a manner that minimizes the potential for inadvertent releases to the environment, unsafe conditions for onsite personnel, and delays or complications in the soil removal implementation. Ultimately, the removed soils will be transported to offsite facilities for appropriate treatment/disposal in accordance with applicable regulations for disposal.

In addition, groundwater will be extracted from the excavation areas as part of the excavation dewatering process. The extracted groundwater (as well as rainwater that contacts impacted soil and water generated as part of equipment cleaning) will be subject to pretreatment (as required) and discharged to the local sewer system or containerized for offsite disposal.

The Remediation Contractor will identify the means and methods (as part of the SOP) for dewatering soils so that such soils can be direct loaded and meet the disposal requirements, to eliminate to the extent practicable the need to stockpile soils onsite, and to control odors. The Remediation Contractor will be required to prepare contingency plans (as part of the SOP) for soil dewatering/stabilization and soil stockpiling.

2.9.1 Disposal of Impacted Soils and Debris

Visibly impacted soil/fill or debris will be handled, loaded, transported, and disposed of at one or more permitted disposal facilities capable of accepting MGP-materials in a manner consistent with NYSDEC program policy, TAGM 4061 (Management of Coal Tar Waste and Coal Tar Contaminated Soils and Sediment from Former Manufactured Gas Plants) dated January 11, 2002. The final disposal of all visibly impacted soil/fill or debris will be at an appropriately permitted facility that has been approved by CHGE.

If direct loading of excavation spoils for offsite disposition is the proposed method in the SOP, the Remediation Contractor will conduct pre-excavation characterization sampling in accordance with the treatment/disposal facility(ies) requirements. Otherwise the Remediation Contractor will conduct excavation characterization sampling in accordance with the treatment/disposal facility(ies) requirements. Existing data from the Phase I and II ESAs conducted by M-NR may also be used for waste characterization purposes in lieu of collecting additional samples. Characterization samples collected will be submitted to a NYSDOH ELAP-approved laboratory for analysis.

The Remediation Contractor will perform all aspects of the transport and disposal of materials. Materials subject to offsite disposal will be transported via the selected and permitted transport mechanisms to the appropriate disposal facilities. The Remediation Contractor will be responsible for cleaning and visually inspecting the disposal vehicles prior to leaving the site. Licensed haulers will perform all transport of materials in accordance with appropriate local, state, and federal regulations. Loaded vehicles leaving the site will be appropriately lined, tarped, manifested, and placarded in accordance with appropriate federal, state, local, and New York State Department of Transportation (NYSDOT) requirements (or other applicable transportation requirements).

2.9.2 Water

As part of the SOP, the Remediation Contractor will select the methods and approach for handling and disposition of water generated during the IRM soil removal activities. Methods may include containerization and subsequent offsite disposition or pretreatment followed by discharge to the local sewer system for subsequent treatment at the local publicly owned treatment works (POTW). The Remediation Contractor will be required to obtain and comply with applicable permits required for disposition of wastewater generated during the IRM soil removal activities.

2.9.3 Non-Aqueous Phase Liquid

Free phase non-aqueous phase liquid (NAPL), if encountered, will be handled in accordance with TAGM 4061 (Management of Coal Tar Waste and Coal Tar Contaminated Soils and Sediment from Former Manufactured Gas Plants).

2.9.4 Miscellaneous Waste

Miscellaneous waste generated during the IRM soil removal activities may be classified as general refuse or remediation-related waste material.

General refuse (i.e., material that has not contacted any impacted site media) including, but not limited to, used disposable equipment and temporary fencing will be managed as a non-hazardous waste and disposed of at a non-hazardous solid waste disposal facility.

Remediation-related materials that are either in, or come in contact with, impacted soils during the remediation activities will be considered contaminated. This material may include ancillary wastes generated as a result of the remediation activities, including (but not limited to) materials used to construct the materials handling and dewatering/staging areas, equipment cleaning pads, and PPE. The Remediation Contractor will be required to characterize the miscellaneous waste prior to offsite disposition at an acceptable facility based on waste characterization activities to be conducted by the Remediation Contractor. With approval of the disposal facility, this material may also be included with the impacted soil wastes.

2.10 Post-Removal Activities

Post-removal activities will include backfilling the excavation and completing the surface restoration. Following soil excavation activities, visually non-impacted soils will be placed back into the excavation and select backfill will be used to fill the remainder of the excavation. Backfill will be placed and compacted to restore the ground surface within the soil removal area to pre-remediation conditions minus approximately 4 to 6 inches. Restoration of the ground surface will include placing 4 to 6 inches of topsoil materials and seeding.

Backfill and topsoil from offsite sources will be sampled and analyzed to verify that the proposed materials are free of contaminants and suitable for their intended use as backfill. At a minimum, proposed backfill and topsoil source(s) will be sampled and analyzed for VOCs, SVOCs, PCBs, pesticides, herbicides and metals.

2.11 Demobilization

The Remediation Contractor will be responsible for demobilizing all labor, equipment, and materials (not designated for offsite disposal) from the subject property. The Remediation Contractor will be required to clean (in accordance with the SOP) all equipment and materials prior to removal from the subject property.

The Remediation Contractor will also be responsible for performing any follow-up coordination and maintenance activities, including the following:

- Restoring areas disturbed to accommodate support areas (e.g., staging area, equipment cleaning area, storage area, temporary water management area, access area) to pre-remediation conditions;
- Removing any temporary access areas and restoring the disturbed access areas to pre-remediation conditions; and
- Removing sediment and erosion control measures and disposing of the materials in accordance with acceptable rules and regulations as a non-hazardous waste.

3. Institutional Controls

Institutional controls to be implemented following completion of the IRM soil removal activities include establishing an environmental easement and a site management plan (SMP). The environmental easement will prohibit the use of groundwater and restrict the land use to commercial or industrial. The SMP will include institutional and engineering controls to: (a) address residual impacted soils that may be excavated from beneath the Doral Hat Building and other areas outside of the proposed excavation limits (Figure 2); (b) evaluate the potential for vapor intrusion if the Doral Hat Building is occupied in the future; (c) identify any use restrictions on property development or groundwater use; (d) provide an annual certification to NYSDEC that the institutional and engineering controls have been followed.

4. Reporting

A final engineering report and certification of completion will be submitted to NYSDEC following implementation of the IRM soil removal activities. The final engineering report is anticipated to include the following:

- A description of the IRM soil removal activities performed;
- A description of any changes to the remediation;
- Sampling and monitoring results;
- A copy of the applicable Remediation Contractor records and record drawings showing changes made during construction;
- Groundwater treatment/disposal data and information; and
- Soil disposal data and information.

A Professional Engineer registered in New York State, the Remediation Engineer, will provide certification that the construction was completed in substantial conformance with the approved IRM Work Plan, and/or approved field changes; this certification will be appropriately signed and stamped.

5. Project Organization

This section presents the anticipated project organization and associated roles, including key personnel, descriptions of duties, and lines of authority in the management of the IRM Work Plan. Information regarding the organizations/personnel and their associated responsibilities is provided below.

NYSDEC

NYSDEC will serve as the lead regulatory agency for this remediation. The NYSDEC project manager is anticipated to be Gardiner Cross, who will be responsible for providing and coordinating regulatory oversight and direction.

NYSDOH

The NYSDOH will work closely with NYSDEC and will provide input from a health and safety perspective. The NYSDOH contact is anticipated to be Gary Litwin.

CHGE

CHGE will be responsible for implementing the IRM soil removal activities at the subject property. The primary contact for CHGE will be Jeffrey Clock.

M-NR

M-NR will be responsible for implementing the institutional and engineering controls after the IRM soil removal activities have been completed by CHGE. CHGE will coordinate with M-NR and the current property owner during the implementation of the soil removal activities.

Remediation Contractor

The Remediation Contractor selected for this project will provide services associated with soil removal and disposal, groundwater dewatering and disposal, air monitoring, emergency spill response services (if necessary), and management of waste transport and disposal. .

The Remediation Contractor may retain various subcontractors for the purposes of completing the project, if necessary. Remediation Contractor and subcontractor responsibilities will be set forth in the SOP.

Remediation Engineer

The Remediation Engineer selected for this project will provide full-time engineering observation services for the duration of the IRM soil removal activities to document the activities are conducted in accordance with this IRM Work Plan and associated plans submitted by the Remediation Contractor. The Remediation Engineer will be responsible for certifying the construction was completed in substantial conformance with the approved IRM Work Plan, and/or approved field changes. In addition to oversight and final engineering certification, the Remediation Engineer may review plans such as the SOP, HASP, and other appropriate plans.

Analytical Laboratory

A NYSDOH ELAP-certified laboratory will provide analytical services required for this project.

Offsite Disposal Facilities

The excavated materials will be transported to and disposed of at licensed disposal facilities. The disposal facilities used must be licensed to accept MGP-contaminated soils and materials. Transportation to these facilities will be via legally permitted (such as permits required in NYCRR Part 364 and NYCRR Part 360) and NYSDEC-acceptable methods.

Tables

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TABLE 1
SUMMARY OF PRE-PHASE II SOIL BORING INFORMATION

1 West Main Street
Beacon, New York

Boring ID	Depth of Fill Material (feet below grade)	Depth to Native Material (feet below grade)	Depth of Refusal (feet below grade)	Depth MGP Tar-Type Material Observed (feet below grade)
B-1	0-7	7	--	--
B-2	0-6	6	--	--
B-3	0-10	10	--	--
B-4	0-1	--	--	--

Note:
-- = not applicable
1. Information summarized above based on interpretation of boring logs prepared by YU & Associates, Inc.
2. Descriptions from last sample interval not interpolated to extend past depth of recovery.

TABLE 2
SUMMARY OF PHASE II SOIL BORING INFORMATION

1 West Main Street
Beacon, New York

Boring ID	Ground Surface Type	Depth of Fill Material (feet below grade)	Depth to Native Material (feet below grade)	Depth to Refusal (feet below grade)	Depth MGP Tar-Type Material Observed (feet below grade)
MW-101	fill	0-6.5	6.5	--	--
MW-102	fill	0-6.5	6.5	--	--
MW-103	fill	0-5	5	9	0-5
MW-104	vegetated topsoil	0.5-6	6	--	--
MW-105	vegetated topsoil	0.5-9.5	9.5	--	--
TB-101	vegetated topsoil	0.5-11.2	--	--	--
TB-105	vegetated topsoil	0.5-8.9	--	11	4.5-8.9
TB-106	vegetated topsoil	0.5-9	9	10.5	5-9
TB-107	vegetated topsoil	0.5-8.8	--	--	0.5-4
TB-108	vegetated topsoil	0.5-8.8	--	--	--
TB-110	asphalt and fill	0.3-5.6	--	8	--
TB-111	asphalt and fill	0.3-9.2	--	--	--
TB-112	asphalt and fill	0.7-7	7	--	--
TB-113	asphalt and fill	0.3-9.8	--	--	--
TB-115A	fill	0-6	6	--	--
TB-116	vegetated topsoil	0.5-6	6	--	--
TB-117	vegetated topsoil	0.5-10	10	--	7.5-10
TB-118	vegetated topsoil	0.5-8.8	--	--	--
TB-119	vegetated topsoil	0.5-8.8	--	--	--
TB-120	asphalt and fill	0.3-10.5	10.5	--	--
TB-121	vegetated topsoil	0.5-9.5	9.5	15	6-9.5
TB-122	vegetated topsoil	0.5-8	8	10.6	0.5-8
TB-123	vegetated topsoil	0.5-6	6	10.5	0.5-6
TB-124	vegetated topsoil	0.5-8.5	8.5	--	--
TB-125	vegetated topsoil	0.5-9.5	9.5	--	--
TB-126	vegetated topsoil	0.5-8	8	--	--
TB-127	vegetated topsoil	0.5-6.4	--	--	--
TB-128	fill	0-8.4	--	--	--
TB-129	fill	0-8.4	--	--	--
TB-130	asphalt	1-9	--	--	--
TB-131	asphalt and fill	0.7-11.2	--	--	--

Notes:
-- = not applicable
1. Information summarized above based on interpretation of boring logs prepared by Day Engineering, Inc.
2. Descriptions from last sample interval not interpolated to extend past depth of recovery.

TABLE 3
SUMMARY OF SUPPLEMENTAL PHASE II SOIL BORING INFORMATION

1 West Main Street
Beacon, New York

Boring ID	Depth of Fill Material (feet below floor)	Depth to Native Material (feet below floor)	Depth to Refusal (feet below floor)	Depth MGP Tar-Type Material Observed (feet below floor)
TB-200	0.5-5	--	5	--
TB-201	0.7-6	--	6.5	--
TB-202	0.5-6	--	6.5	--
TB-203	0.4-3.3	--	4	--
TB-204	0.5-12.5	12.5	--	8-12.5
TB-205	0.7-12.5	12.5	--	--
TB-206	0.5-9.5	9.5	--	--
TB-207	0.5-10	10	--	8.5-10.3
TB-208	0.5-9	9	--	8.5-9
TB-209	0.5-9.5	9.5	--	8.5-9.5
TB-210	0.5-10	10-12	--	--

Notes:
-- = not applicable
1. Information summarized above based on interpretation of boring logs prepared by YU & Associates, Inc.
2. Descriptions from last sample interval not interpolated to extend past depth of recovery.
3. Concrete floor inside Doral Hat building approximately 3 feet higher than ground surface outside the building.

Figures

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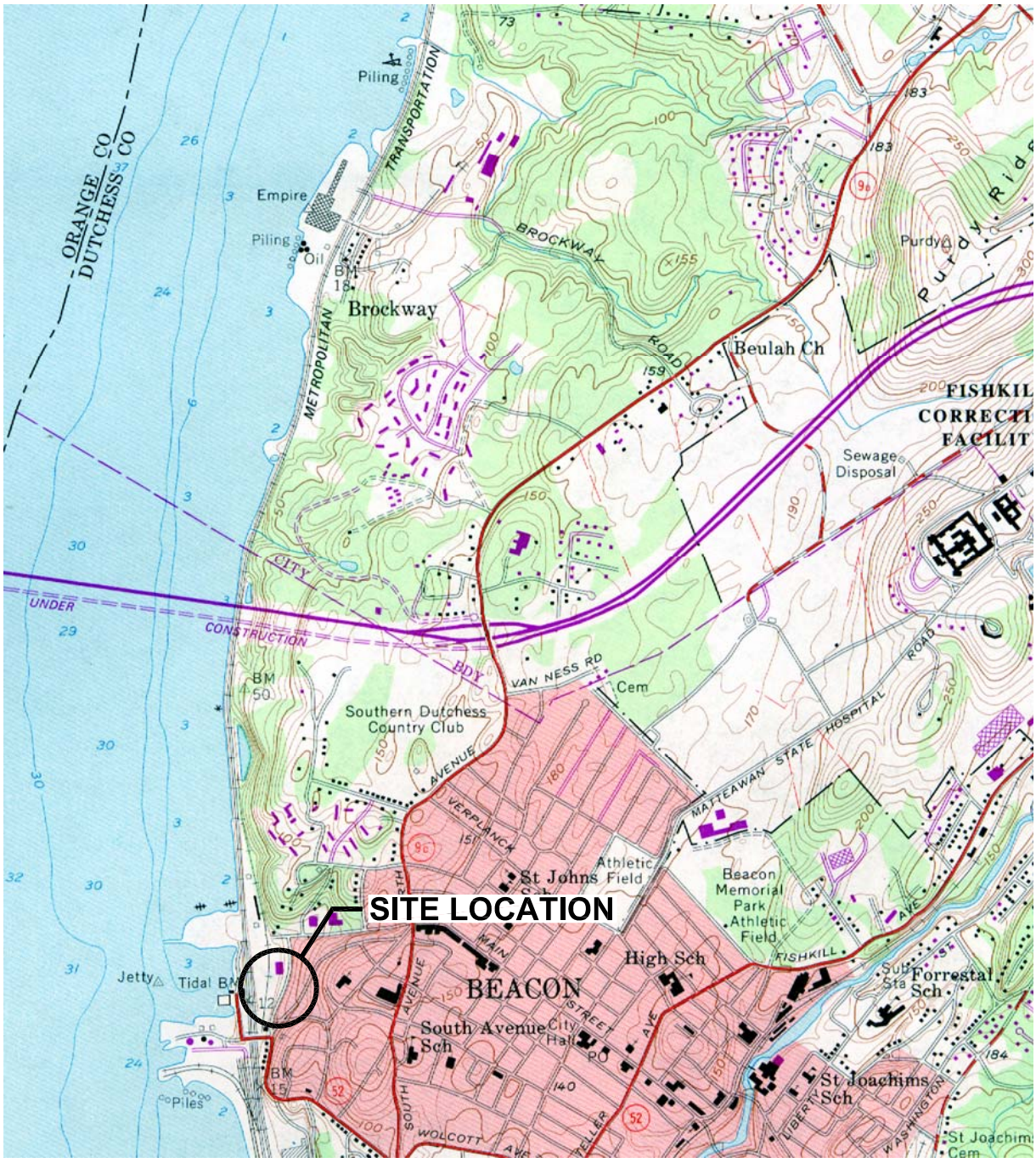

FROM USGS WAPPINGERS FALLS, N.Y. QUADRANGLE PHOTOREVISED 1981

0 2000' 4000'

GRAPHIC SCALE

QUADRANGLE LOCATION

CENTRAL HUDSON GAS AND ELECTRIC CORP.
BEACON SITE
INTERIM REMEDIAL MEASURE WORK PLAN

SITE LOCATION MAP

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FIGURE 1

LEGEND:

- PROPERTY LINE
- BUILDING
- FENCE
- ROAD
- RAILROAD
- TREELINE
- TEST BORING LOCATION AND ID
- GROUNDWATER MONITORING WELL LOCATION AND ID
- TEST BORING/MONITORING WELL WHERE MGP-TYPE TAR MATERIAL OBSERVED (SEE NOTE 3)
- PROPOSED SOIL REMOVAL LIMITS

NOTES:

1. BASEMAP INFORMATION OBTAINED FROM AN AERIAL PHOTOGRAPH BY YU & ASSOCIATES, INC. DATED 9/9/05 AND A FIGURE BY DAY ENGINEERING, P.C. ENTITLED "SITE PLAN WITH AREAS OF CONTAMINATION" DATED 12/30/2005 AT A SCALE OF 1"=50'.
2. ALL LOCATIONS ARE APPROXIMATE.
3. BASED ON INTERPRETATION OF BORING LOGS PREPARED BY DAY ENGINEERING, INC. AND/OR YU & ASSOCIATES, INC.

0 50' 100'
GRAPHIC SCALE

CENTRAL HUDSON GAS AND ELECTRIC CORP.
BEACON, NEW YORK
INTERIM REMEDIAL MEASURE WORK PLAN

SITE PLAN AND PROPOSED SOIL REMOVAL LIMITS

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FIGURE
2

[SYR-85-LAF] SYR-85-LAF LJP LAF LAYER: ON=*; OFF=*REF*
F:\ACTIVE_DWG\ACT\20537005\20537001.DWG SAVED:12/27/2006 2:05 PM LAYOUT:Layout1 PAGESETUP:DLZB-PDF PENTABLE:PLTFULL.CTB PRINTED:12/27/2006 2:05 PM BY:LFORAKER
PROJECTNAME:-----
XREFS: IMAGES:
20537X01

Attachments

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Attachment 1

Relevant Information from Previous Investigations

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Modified Phase I ESA

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POTENTIAL CONCERN 1: **(REC 1)** OFF-SITE MIGRATION

POTENTIAL CONCERN 7: FLUORESCENT LIGHT BALLASTS

POTENTIAL CONCERN 5: CHEMICAL STORAGE AND USE AREA

POTENTIAL CONCERN 6: TRANSFORMER

POTENTIAL CONCERN 2: **(REC 2)** BLOW DOWN AREA

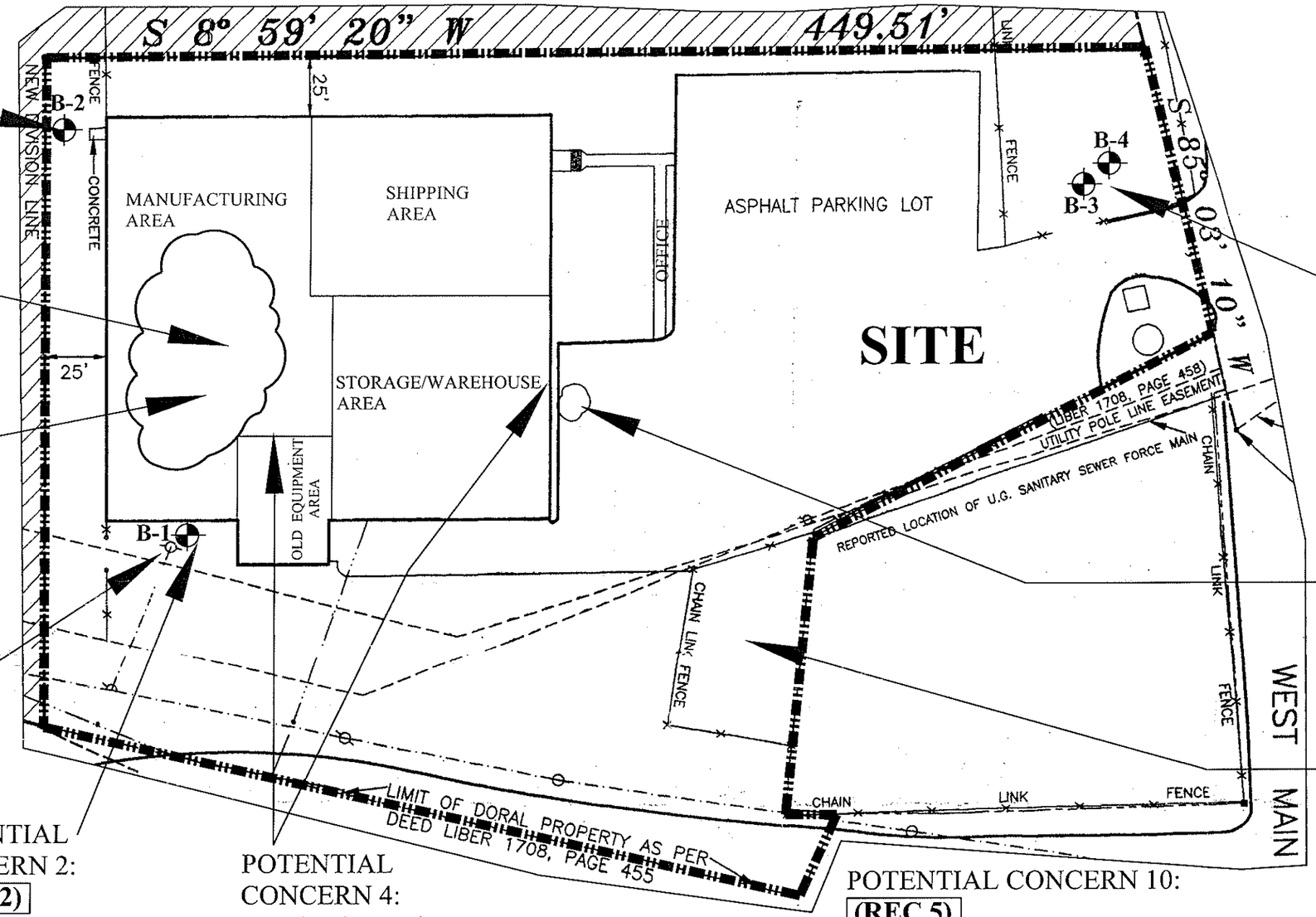
POTENTIAL CONCERN 4: FLOOR SUMPS

POTENTIAL CONCERN 3: **(REC 3)** DRUMS AND ABANDONED EQUIP. STORAGE

POTENTIAL CONCERN 8: DUMPSTER

POTENTIAL CONCERN 9: **(REC 4)** VEHICLE STORAGE AREA

POTENTIAL CONCERN 10: **(REC 5)** HISTORICAL USE



LEGEND

SITE BOUNDRY

B-1 ENVIRONMENTAL BORING

40 0 40 80 120 160 200

GRAPHIC SCALE

NOTE:

1. THE DRAWING PRESENTED HEREIN IS BASED ON THE SURVEY ENTITLED "ACQUISITION IN FEE TITLE FOR BEACON COMMUTER PARKING EXPANSION PROJECT", DATED FEB 28, 2002, PREPARED BY WELSH ENGINEERING AND LAND SURVEYING, P.C AND PROVIDED BY DAY ENGINEERING, P.C.
2. THE PLAN OF THE INTERIORS OF DOREL HAT BUILDING ARE BASED ON FIELD OBERVATIONS AND ARE NOT TO SCALE.
3. BORINGS B-1 TO B-4 PRESENTED HEREIN ARE SHOWN AT AN APPROXIMATE LOCATION BASED ON FIELD MEASUREMENTS.

YU & Associates, Inc.
Geotechnical, Environmental and Civil Engineering
611 River Drive
Elmwood Park, NJ 07407
Tel: (201) 791-0075
Fax: (201) 791-4533
Certificate of Authorization #24GA27976700

RECOGNIZED ENVIRONMENTAL CONDITIONS PLAN
DOREL HAT

BEACON

DUTCHESS NEW YORK

JOB NO.: 0507501	SCALE: AS SHOWN	DATE: 09/29/05	FIG. 3

PROJECT NAME: Metro North Beacon, Dorel Hat
LOCATION: Beacon, NY
GROUND ELEVATION:
NORTHING: **EASTING:**
RIG TYPE: Geoprobe Advance 66 DT.
DRILLING METHOD: Direct Push Geoprobe
CASING: NA
CORING: NA

STARTED: 08/04/05
COMPLETED: 08/04/05

CONTRACTOR: Land Air Water Environmental Services
DRILLER: Ernesto Santiago
INSPECTOR: A. Garg

Boring No. B-1

BOREHOLE FLUID LEVEL	
DATE	DEPTH (FEET)
08/04/05 9:30 AM	3.8

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	Hg (mg/m3)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	0-6": Hand Augering Brown to Dark Brown, c-f SAND, some c-f gravel, little silt, root fragments, dry	42/60				
2		± 2'					
3		Brown to Grayish Brown c-f SAND, some silt, some c-f gravel, concrete fragments, dry ± 3'					
4		Grayish Black c-f SAND, some c-f gravel, trace silt, wet, black stained		1.0		B1-3.0 (Soil)	3-4
5		± 4.5'			0.0 (throughout)	B1-GW (Groundwater)	
6		Grayish Black c-f SAND and c-f GRAVEL, trace silt, wet, black stained, oil sheen		3.0		B1-6.0 (Soil)	6-7
7		± 6.5'					
8	CL	Gray c-f GRAVEL, little c-f sand, little silt & clay, wet, oil sheen ± 7' Gray CLAY & SILT, medium plasticity, wet	30/60	5.5			
9							
10		± 10'					
11		END OF BORING @ 10 FEET					
12							

REMARKS:
B1-6.0 on hold
Oil sheen observed from 5'-7.5'.

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat
LOCATION: Beacon, NY
GROUND ELEVATION:
NORTHING: **EASTING:**
RIG TYPE: Geoprobe Advance 66 DT.
DRILLING METHOD: Direct Push Geoprobe
CASING: NA
CORING: NA

STARTED: 08/04/05
COMPLETED: 08/04/05
CONTRACTOR: Land Air Water Environmental Services
DRILLER: Ernesto Santiago
INSPECTOR: A. Garg

Boring No. B-2

BOREHOLE FLUID LEVEL	
DATE	DEPTH (FEET)
NA	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	Hg (mg/m3)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	Brown c-f SAND, some silt, some c-f gravel, root matters, dry ± 0.6'	42/60	0 (throughout)	0.003	B2-5.0 (Soil)	5-6
2		Gray c-f GRAVEL, some c-f sand, little silt, dry ± 2'			0		
3		Dark Brown c-f SAND, some c-f gravel, trace silt, moist			0		
4							
5		± 3.5'					
6		Grayish Brown c-f SAND, some silt, little c-f gravel, dry ± 6'	43/60				
7	ML	Gray-light Brown SILT & CLAY, moist					
8							
9							
10		± 10'					
11		Same as above	30/60				
12							
13							
14							
15		± 15'					
16		END OF BORING @ 15 FEET					

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat
LOCATION: Beacon, NY
GROUND ELEVATION:
NORTHING: **EASTING:**
RIG TYPE: Geoprobe Advance 66 DT.
DRILLING METHOD: Direct Push Geoprobe
CASING: NA
CORING: NA

STARTED: 08/04/05
COMPLETED: 08/04/05
CONTRACTOR: Land Air Water Environmental Services
DRILLER: Ernesto Santiago
INSPECTOR: A. Garg

Boring No. B-3

BOREHOLE FLUID LEVEL	
DATE	DEPTH (FEET)
08/04/05	12.5

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	Hg (mg/m^3)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	Brown c-f SAND, some silt, some c-f gravel, root matters, dry ± 1'					
2		Dark Brown c-f SAND, some silt and c-f gravel, with concrete fragments, brick fragments, moist/dry ± 3.7'	44/60				
3							
4							
5		± 5'					
6		Dark Gray- Brown c-f SAND, some c-f gravel, little silt, trace Clay, moist ± 6'				B3-5.5 (Soil)	5.5-6.5
7		Gray- Brown Clayey SILT, little c-f sand, trace gravel, moist, pocket of brick fragments at 7 ft. ± 7.3'	28/60				
8				0 (throughout)	0 (throughout)		
9							
10		± 10'					
11	SM	Dark-Brown c-f SAND, some silt, little m-f gravel, moist, with wood fragments ± 11.5'					
12	PT	Dark Brown SILT & CLAY, little c-f sand, trace gravel organic matter, fibers, wood, moist (PEAT), low plasticity				B3-11.5 (Soil)	11.5-12.5
13		Gray silty CLAY, some c-f gravel, some c-f sand, fibers, wet (PEAT), low plasticity ± 12.5'	60/60				
14							
15		± 15'					
16	PT	Dark Gray-Brown SILT & CLAY, little m-f sand, organic matter, wood fragments, wet, low plasticity ± 16.3'					
17		Dark Brown Clayey SILT, some m-f sand, trace gravel, wood fragments, moist, low plasticity					
18			60/60				
19		± 19.5'					
20	SM	Dark Brown c-f SAND and SILT, trace c-f gravel, wood fragments, moist ± 20'					
21		END OF BORING @ 20 FEET					

REMARKS: Groundwater encountered at 12.5 ft. Approximately 500 ml of water was sampled, before the flow of water stopped. Per the driller, it was a small amount of water sitting over the underlying clayey strata.

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat
LOCATION: Beacon, NY
GROUND ELEVATION:
NORTHING: **EASTING:**
RIG TYPE: Geoprobe Advance 66 DT.
DRILLING METHOD: Hand Auger
CASING: NA
CORING: NA

STARTED: 08/04/05
COMPLETED: 08/04/05

CONTRACTOR: Land Air Water Environmental Services
DRILLER: Ernesto Santiago
INSPECTOR: A. Garg

Boring No. B-4

BOREHOLE FLUID LEVEL	
DATE	DEPTH (FEET)
NA	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	Hg (mg/m^3)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	Brown c-f SAND, some silt, burnt leaves/wood pieces, black staining at top ±1'		0 0	0 0	B4-0.5 (Soil)	0.5-1.0
2		END OF BORING @ 1 FOOT					
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

REMARKS: Black stained area was observed adjacent to the two 55-gallon drums inside the junk yard area. Surface soil sample was collected at 0.5 ft.

Yu & Associates, Inc.

TABLE 1

SAMPLING SUMMARY TABLE
DOREL HAT - PRE PHASE II INVESTIGATION
BEACON, NY
Project # 0507501

Sample Number	Area of Concern	Date Collected	Depth (ft)	Matrix	Analytical Parameters
B1-3.0	Blow Down Area	8/4/2004	3.0-4.0	SOIL	Not Analyzed
B1-6.0	Blow Down Area	8/4/2004	6.0-7.0	SOIL	PP+40
B2-5.0	Off Site Migration Area	8/4/2004	5.0-6.0	SOIL	PP+40
B3-5.5	Drums and Abandoned Equipment Storage Area	8/4/2004	5.5-6.5	SOIL	Not Analyzed
B3-11.5	Drums and Abandoned Equipment Storage Area	8/4/2004	11.5-12.5	SOIL	Not Analyzed
B4-0.5	Drums and Abandoned Equipment Storage Area	8/4/2004	0.5-1.5	SOIL	PP+40
B1-GW	Blow Down Area	8/4/2004	NA	AQUEOUS	VO+15, BN+25, Pesticides, PCBs

VO+15 - Volatile Organic compounds plus 15 additional compounds
BN+25 - Base Neutral Compounds plus 25 additional compounds
PP+40 - Priority Pollutants plus 40 additional compounds
PCBs - Polychlorinated Biphenyls
NA - Not Applicable

Table 2
Soil Volatile Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0		B2-5.0		B4-0.5		NYSDEC Rec. Soil Cleanup Objective	NYSDEC Soil cleanup objectives to protect GW quality
Lab Sample ID	D0921-02C		D0921-03C		D0921-06C			
Sampling Date	8/4/2005		8/4/2005		8/4/2005			
Sample Depth (ft)	6.0-7.0		5.0-6.0		0.5-1.0			
Matrix	Soil		Soil		Soil			
Units	mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg
Dilution Factor	200		1		1			
VOCs								
Methylene Chloride	ND		**0.031**	J	**0.007**	J	0.1	0.1
Chloroform	ND		**0.012**	J	**0.003**	J	0.3	0.3
Trichloroethene	ND		**0.081**		ND		0.7	0.7
Toluene	**41**	J	ND		ND		1.5	1.5
Tetrachloroethene	ND		ND		**0.0008**	J	1.4	1.4
Xylene (Total)	**96**	J	ND		ND		1.2	1.2
1,2,4-Trimethylbenzene	**58**	J	ND		ND		NA	NA
Napthalene	**3200**		ND		**0.003**	J	13	13

Qualifiers

J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preminary Results of Volatile Organics analyses.

Table 3
Soil Semivolatile Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0		B2-5.0		B4-0.5		NYSDEC Rec. Soil Cleanup Objective	NYSDEC Soil cleanup objectives to protect GW quality
Lab Sample ID	D0921-02A		D0921-03A		D0921-06A			
Sampling Date	8/4/2005		8/4/2005		8/4/2005			
Sample Depth (ft)	6.0-7.0		5.0-6.0		0.5-1.0			
Matrix	Soil		Soil		Soil			
Units	mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg
Dilution Factor	20		1		1			
SVOCs								
2,4-Dimethylphenol	**7.2**	J	ND		ND		NA	NA
Naphthalene	**3800**	E	ND		**0.07**	J	13	13
2-Methylnaphthalene	**990**	E	ND		ND		36.4	36.4
Acenaphthylene	**1000**	E	ND		ND		41	41
Acenaphthene	**170**		ND		ND		50	90
Dibenzofuran	**860**	E	ND		ND		6.2	6.2
Fluorene	**960**	E	ND		ND		50	350
Phenanthrene	**2300**	E	ND		ND		50	220
Anthracene	**670**	E	ND		ND		50	700
Carbazole	**270**		ND		ND		NA	NA
Fluoranthene	**1500**	E	**0.044**	J	ND		50	1900
Pyrene	**1500**	E	**0.05**	J	ND		50	665
Benzo(a)anthracene	**680**	E	**0.041**	J	ND		MDL	3
Chrysene	**390**	E	**0.06**	J	ND		0.4	0.4
bis(2-Ethylhexyl)phthalate	ND		**0.05**	J	ND		50	435
Benzo(b)fluoranthene	**590**	E	**0.05**	J	ND		1.1	1.1
Benzo(k)fluoranthene	**200**		**0.027**	J	ND		1.1	1.1
Benzo(a)pyrene	**230**		**0.038**	J	ND		MDL	11
Indeno(1,2,3-cd)pyrene	**170**		ND		ND		3.2	3.2
Dibenzo(a,h)anthracene	**33**		ND		ND		MDL	165000
Benzo(g,h,i)perylene	**140**		ND		ND		50	800

Qualifiers

J - Analyte detected Below quantitation limits
E - Value above quantitation range
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.

Note:

The data presented herein is based on the Preminary Results of Semivolatile Organic Compounds analyses.

Table 4
Soil PP-Metals Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0	B2-5.0	B4-0.5	NYSDEC Rec. Soil Cleanup Objective
Lab Sample ID	D0921-02	D0921-03	D0921-06	
Sampling Date	8/4/2005	8/4/2005	8/4/2005	
Sample Depth (ft)	6.0-7.0	5.0-6.0	0.5-1.0	
Matrix	Soil	Soil	Soil	
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1	
PP Metals				
Antimony	ND	**1.2**	**2.5**	SB
Arsenic	**19**	**7.3**	**5.1**	7.5 or SB
Beryllium	**2.9**	**0.48**	**0.33**	0.16 or SB
Cadmium	**0.59**	**0.62**	**1.5**	1 or SB
Chromium	**42**	**20**	**13**	10 or SB
Copper	**100**	**48**	**140**	25 or SB
Lead	**28**	**61**	**54**	SB
Nickel	**9.7**	**21**	**19**	13 or SB
Zinc	**40**	**57**	**870**	20 or SB
Mercury	**0.22**	**0.075**	**0.04**	0.1

Qualifiers

J - Analyte detected Below quantitation limits
SB - Site Background
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.

Note:

The data presented herein is based on the Preminary Results of PP-Metals analyses.

Table 5
Soil Pesticides Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0		B2-5.0	B4-0.5	NYSDEC	NYSDEC
Lab Sample ID	D0921-02A		D0921-03A	D0921-06A	Rec. Soil	Soil cleanup
Sampling Date	8/4/2005		8/4/2005	8/4/2005	Cleanup	objectives
Sample Depth (ft)	6.0-7.0		5.0-6.0	0.5-1.0	Objective	to protect
Matrix	Soil		Soil	Soil		GW quality
Units	mg/Kg		mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	20		1	1		
Pesticides/PCBs						
4,4'-DDD	**0.18**	P	ND	ND	2.9	7.7
4,4'-DDT	**0.36**		ND	ND	2.1	2.5
Methoxychlor	**0.86**	P	ND	ND	NA	900
Endrin ketone	**0.28**	P	ND	ND	NA	NA
Endrin aldehyde	**0.11**	P	ND	ND	NA	NA
gamma-Chlordane	**0.47**		ND	ND	0.54	14

Qualifiers

J - Analyte detected Below quantitation limits
P - Use professional Judgement based on data use
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.

Note:

The data presented herein is based on the Preminary Results of Pesticides/PCBs analyses.

Table 6
Soil Total Phenol Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0	B2-5.0	B4-0.5	NYSDEC Rec. Soil Cleanup Objective	NYSDEC Soil cleanup objectives to protect GW quality
Lab Sample ID	D1022-01A	D1022-02A	D1022-03A		
Sampling Date	8/4/2005	8/4/2005	8/4/2005		
Sample Depth (ft)	6.0-7.0	5.0-6.0	0.5-1.0		
Matrix	Soil	Soil	Soil		
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1		
Total Phenol	**5.3**	< 1.1	< 1.0	0.03	0.0003

Qualifiers

55 - Concentration of compounds that are detected are listed and identified in bold type.

55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.

< 1.1 The detection limit for the sample exceeds the NYSDEC Soil Cleanup Criteria

Note:

The data presented herein is based on the Preminary Results of Pesticides/PCBs analyses.

Table 7
Groundwater Volatile Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-GW		NYSDEC Ambient Water Quality Standards and Guidance Values
Lab Sample ID	D0921-07C		
Sampling Date	8/4/2005		
Matrix	Water		
Units	ug/l		ug/l
Dilution Factor	100		
VOCs			
Methylene Chloride	ND		5
Chloroform	ND		7
Trichloroethene	ND		5
Toluene	**150**	J	5
Tetrachloroethene	ND		5
Xylene (Total)	**150**	J	5
1,2,4-Trimethylbenzene	**100**	J	5
Napthalene	**4600**	J	10

Qualifiers

J - Analyte detected below quantitation limits

NA - Not Available

55 - Concentration of compounds that are detected are listed and identified in bold type.

55 - Concentration of compounds that exceed the NYSDEC Groundwater Standards are listed and identified in bold type and boxed.

Note:

The data presented herein is based on the Preminary Results of Volatile Organics analyses.

Table 8
Groundwater Semivolatile Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-GW		NYSDEC
Lab Sample ID	D0921-07A		Ambient Water Quality
Sampling Date	8/4/2005		Standards and
Matrix	Water		Guidance Values
Units	ug/l		ug/l
Dilution Factor	1		
SVOCs			
Phenol	**9**	J	1
2-Methylphenol	**11**		1
4-Methylphenol	**22**		1
2,4-Dimethylphenol	**56**		1
Naphthalene	**4000**	E	10
2-Methylnaphthalene	**430**	E	NA
Acenaphthylene	**330**	E	NA
Acenaphthene	**39**		20
Dibenzofuran	**140**		NA
Fluorene	**110**		50
Phenanthrene	**140**		50
Anthracene	**31**		50
Carbazole	**200**		NA
Fluoranthene	**28**		50
Pyrene	**22**		50
Benzo(a)anthracene	**8**	J	0.002
Chrysene	**6**	J	0.002
Benzo(b)fluoranthene	**4**	J	0.002
Benzo(k)fluoranthene	**2**	J	0.002
Benzo(a)pyrene	**4**	J	0.002
Indeno(1,2,3-cd)pyrene	**2**	J	0.002
Benzo(g,h,i)perylene	**2**	J	NA

Qualifiers

J - Analyte detected below quantitation limits
E - Value above quantitation range
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Groundwater Standards are listed and identified in bold type and boxed.

Note:

The data presented herein is based on the Preminary Results of Semi-volatile Organics analyses.

Table 9
Grounwater PP Metals Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID		B1-GW	NYSDEC Ambient Water Quality Standards and Guidance Values
Lab Sample ID		D0921-07	
Sampling Date		8/4/2005	
Matrix		Water	
Units		ug/l	ug/l
Dilution Factor		1	
PP Metals			
	Antimony	**34**	3
	Arsenic	**590**	25
	Beryllium	**34**	3
	Cadmium	**42**	5
	Chromium	**1400**	50
	Copper	**2800**	200
	Lead	**1000**	25
	Nickel	**1200**	100
	Zinc	**4500**	NA
	Mercury	**0.96**	0.7

Qualifiers

NA - Not Available

PP-Metals - Priority Pollutant Metals

55 - Concentration of compounds that are detected are listed and identified in bold type.

55 - Concentration of compounds that exceed the NYSDEC Groundwater Standards are listed and identified in bold type and boxed.

Note:

The data presented herein is based on the Preminary Results of PP-Metals analyses.

Table 10
Groundwater Pesticides Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-GW		NYSDEC
Lab Sample ID	D0921-07A		Ambient Water Quality
Sampling Date	8/4/2005		Standards and
Matrix	Water		Guidance Values
Units	ug/l		ug/l
Dilution Factor	1		
Pesticides/PCBs			
Heptachlor epoxide	**0.11**	P	0.03
4,4'-DDD	**0.21**	P	NA
4,4'-DDT	**0.46**	P	NA
Endrin ketone	**1.4**		5
gamma-Chlordane	**0.1**	P	NA

Qualifiers

PCBs - Polychlorinated Biphenyls
NA - Not Available
P - Use professional judgement based on data use
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Groundwater Standards are listed and identified in bold type and boxed.

Note:

The data presented herein is based on the Preminary Results of Pesticides/PCBs analyses.

Phase II ESA

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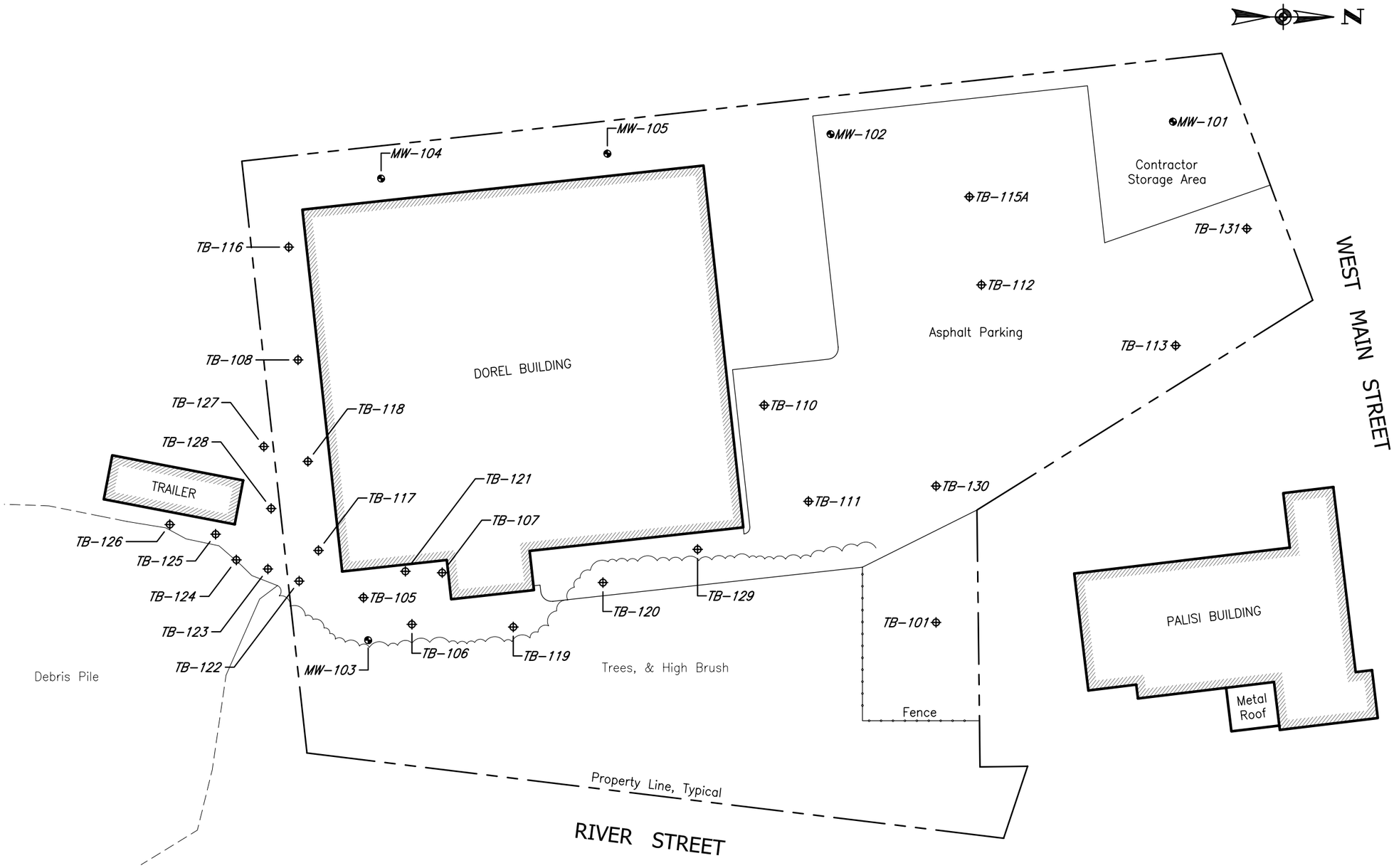


SITE PLAN
1" = 50'

0' 50' 100' 150'

NOTES:

1. Site plan produced from drawing by Yu & Associates, Inc. entitled "Tax Map Dorel Hat (Vicinity of Beacon Station), dated 09/29/05, and a drawing entitled "Recognized Environmental Conditions Plan, 7 West Main Street", dated 09/06/05.

2. Test boring and monitoring well locations were obtained in the field by a Trimble GeoXT GPS. Locations should be considered accurate to the degree implied by the method used.

LEGEND

TB-110 Test Boring location and designation

MW-102 Groundwater Monitoring Well location and designation

FIELD VERIFIED BY	DATE
NS	11-2005
DRAWN BY	DATE DRAWN
RJM	11-23-2005
SCALE	DATE ISSUED
1" = 50'	12-30-2005

day
DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10165-1617

PROJECT TITLE
METRO-NORTH RAILROAD
1 & 7 WEST MAIN STREET
BEACON, NEW YORK
PHASE II ENVIRONMENTAL STUDY

DRAWING TITLE
Site Plan

PROJECT NO.
01-3023I

FIGURE 1

Ref4:
Ref5:
Ref6:

Ref1:
Ref2:
Ref3:

Xerox432AnsiB-2; 11 x 17
Layout Name: Site Plan

Time Plotted: Fri Dec 30 11:55 2005
File Name: Metro\Beacon Bridge\SiteBase.dwg

day

ENVIRONMENTAL CONSULTANTS

DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-101

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark brown Sandy Silt, some Gravel, intermixed with Brick and Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	100	NA	0.0	0.0		
3									
4							0.0	Black Sandy Gravel, trace Silt, intermixed with Brick and Coal Fragments,	
5							0.0	moist (FILL) …wet	
6	NA	S-2	4-8	60	NA	0.0	0.0		
7								Green/Gray Sandy SILT, some Gravel, wet	
8							0.0		
9							0.0		
10	NA	S-3	8-12	40	NA	0.0	0.0		
11								Gray Sandy GRAVEL, little Rock Fragments, trace Silt, wet	
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO.MW-101

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

Simon:\My Documents\nes0090 PC2696I-01 Boring Logs

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C

MONITORING WELL INSTALLATION LOG

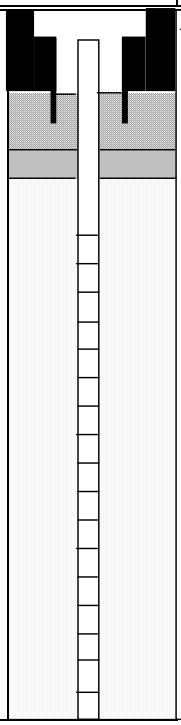
Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

MONITORING WELL MW-101

Ground Elevation: _____ Datum: _____
Date Started: 11/15/2005 Date Ended: 11/15/2005

Water Level (Date/Time): 4.23' 12/01/2005

Refer to Test Boring Log TB- MW-101 for Soil Description



Flush Mounted Roadbox
0.20 Depth to Top of Riser Pipe (ft)
0.33 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.53 Depth to Top of Bentonite Seal (ft)
0.70 Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.5 Diameter of Borehole (in)

Backfill Type Sand

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-101

Simon:\My Documents\nes0091 PC2696I-01 Monitoring Well Installation Logs

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
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(212) 986-8645
FAX (212) 986-8657

day

ENVIRONMENTAL CONSULTANTS

DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-102

Page of 1 of 1

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Black, Sandy Gravel, trace Silt, intermixed with Brick and Coal Fragments, moist (FILL)	-
2	NA	S-1	0-4	50	NA	0.0	0.0		-
3									-
4							0.0	…wet	-
5							0.0		-
6	NA	S-2	4-8	40	NA	0.0	0.0		-
7								Gray Silty CLAY, some Sand, trace Gravel, wet	-
8							0.0		-
9							0.0	Green/Gray Silty SAND, trace Clay, trace Gravel, wet	-
10	NA	S-3	8-12	100	NA	0.0	0.0		-
11								…some Gravel	-
12							0.0		-
								BOH @ 12.0'	-
									-
									-
									-

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO.MW-102

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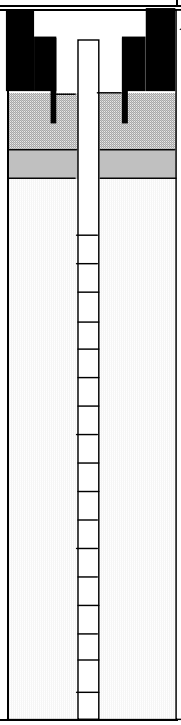
MONITORING WELL INSTALLATION LOG

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

MONITORING WELL MW-102

Ground Elevation: _____ Datum: _____
Date Started: 11/15/2005 Date Ended: 11/15/2005
Water Level (Date/Time): 1.55' 12/01/2005

Refer to Test Boring Log TB- MW-102 for Soil Description



Flush Mounted Roadbox
0.15 Depth to Top of Riser Pipe (ft)
0.33 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.48 Depth to Top of Bentonite Seal (ft)
0.7 Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.5 Diameter of Borehole (in)

Backfill Type Sand

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-102

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-103

Ground Elevation: Datum:
Date Started: 11/16/2006 Date Ended: 11/16/2005
Borehole Depth: 9.0' Borehole Diameter: 2.0"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Black Sandy Gravel, trace Silt, intermixed with Coal Tar, Coal, Coal Slag and Brick Fragments, moist (FILL)	
2	NA	S-1	0-4	50	NA	2.1	0.5	…Coal Tar Type Odor	
3									
4							2.4	…wet (water has a sheen)	
5							10.8		
6	NA	S-2	4-8	60	NA	155	58.6	Black Silty CLAY, some Sandy Gravel, wet	
7									
8							24.2		
	NA	S-3	8-9	0	NA	-	-		
9								Refusal @ 9.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

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Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

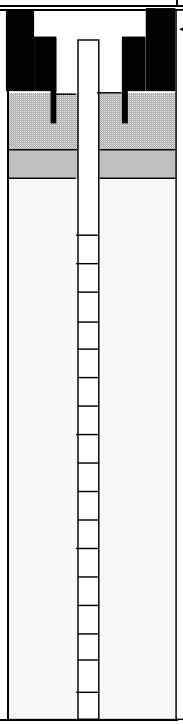
MONITORING WELL MW-103

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 11/15/2005 Date Ended: 11/15/2005

Water Level (Date/Time): 2.00' 12/01/2005

Refer to Test Boring Log TB- MW-103 for Soil Description



←Flush Mounted Roadbox
0.15 Depth to Top of Riser Pipe (ft)
0.33 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.48 Depth to Top of Bentonite Seal (ft)
0.7 Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

1.5 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

9.0 Depth to Bottom of Well Screen (ft)

9.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-103

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Project #: PC.2696I-01
Project Address: 1 West Main Street
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-104

Page of 1 of 1

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL AND ROOTS	
								Black Sandy Gravel, some Brick Fragments, moist (FILL)	
2	NA	S-1	0-4	20	NA	0.4	0.0		
3									
4							0.7	…wet	
5							0.0		
6	NA	S-2	4-8	40	NA	1.1	0.0		
7								Tan Silty CLAY, trace Gravel, wet	
8							0.0		
9									
10	NA	S-3	8-12	0	NA	-	-		
11									
12								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. MW-104

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MONITORING WELL INSTALLATION LOG

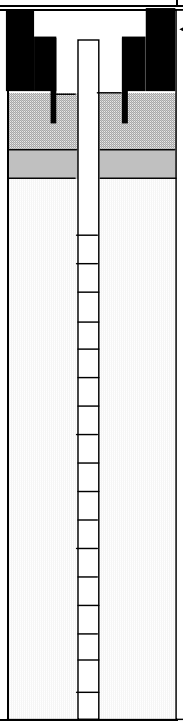
Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

MONITORING WELL MW-104

Ground Elevation: _____ Datum: _____
Date Started: 11/29/2005 Date Ended: 11/29/2005

Water Level (Date/Time): 5.40' 12/01/2005

Refer to Test Boring Log TB- MW-104 for Soil Description



←Flush Mounted Roadbox
3.0 AGS Depth to Top of Riser Pipe (ft)
N/A Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.0 Depth to Top of Bentonite Seal (ft)
2.0" Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.0 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-104

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-105

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: Borehole Diameter:
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL	
								Black Sandy Gravel, some Silt, intermixed with Coal, Coal Slag and Brick Fragments, moist (FILL)	
2	NA	S-1	0-4	30	NA	0.3	0.0		
3									
4							0.0		
5							0.0	…wet	
6	NA	S-2	4-8	20	NA	0.2	0.0	Brown Silty Sand, some Gravel intermixed with Brick Fragments, wet (FILL)	
7									
8							0.0		
9							0.0		
10	NA	S-3	8-12	60	NA	0.4	1.1	Green/Gray Silty CLAY, trace Gravel, trace Sand, wet	
11									
12							1.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. MW-105

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MONITORING WELL INSTALLATION LOG

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

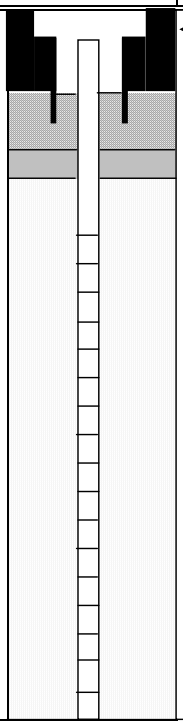
MONITORING WELL MW-105

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 11/30/2005 Date Ended: 11/30/2005

Water Level (Date/Time): 4.35' 12/01/2005

Refer to Test Boring Log TB- MW-105 for Soil Description



←Flush Mounted Roadbox
1.75 AGS Depth to Top of Riser Pipe (ft)
N/A Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.0 Depth to Top of Bentonite Seal (ft)
0.5" Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.0 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-105

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-101

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL AND ROOTS	
2	NA	S-1	0-4	60	NA	0.0	0.7	Black Silty Sand, little Gravel, trace Clay, intermixed with Brick, Coal Slag and Coal Fragments, moist (FILL)	
3									
4							1.0	…wet	
5							0.0		
6	NA	S-2	4-8	80	NA	0.6	0.2	Black Sandy Gravel, little Silt, trace Clay, intermixed with Coal Fragments, wet (FILL)	
7									
8							0.4		
9							0.0	Brown fine Sand, some Gravel, trace Silt, intermixed with Brick Fragments, wet (FILL)	
10	NA	S-3	8-12	80	NA	0.6	0.0		
11								Brown coarse Sand, some Gravel, trace Silt, intermixed with Brick Fragments, wet (FILL)	
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-101

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-105

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 11.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	TOPSOIL AND ROOTS	
1									
2	NA	S-1	0-4	80	NA	0.0	0.2	Black Sandy Gravel, trace Silt, intermixed with Brick and Coal Fragments, moist (FILL)	
3									
4							0.2	Coal Slag Fragments, wet	
5								Black Sandy Gravel, trace Silt, intermixed with Coal Tar and Coal Slag Fragments, wet (FILL)	
6	NA	S-2	4-8	30	NA	3.2	10.8	…water is black with sheen	
7									
8							12.4		
9							22.4		
10	NA	S-3	8-11	30	NA	4.8	12.8		
11							11.6		
								Refusal @ 11.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-105

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Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-106

Page of 1 of 1

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 10.5' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
							0.0	TOPSOIL AND ROOTS	
1									
2	NA	S-1	0-4	60	NA	1.6	2.3	Black Sandy Gravel, trace Silt, intermixed with Coal and Coal Slag Fragments, moist (FILL)	
3									
4							4.6	…wet (water has sheen)	
5							10.6	Black stained Gravel, some Silty Sand, intermixed with Coal Tar and Coal Slag Fragments, wet (FILL)	
6	NA	S-2	4-8	40	NA	5.9	33.1		
7									
8							42.2		
9	NA	S-3	8-10.5	30	NA	3.7	12.8		
10							7.2	Green/Gray Silty CLAY, wet	
							5.6		
								Refusal @ 10.5'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-106

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-107

Page of 1 of 1

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	TOPSOIL AND ROOTS	
1								Black Sandy Gravel, trace Silt, intermixed with Coal Tar, Coal and Coal Slag	
2	NA	S-1	0-4	40	NA	3.4	1.6	Fragments, moist (FILL)	
3									
4							2.8	Coal Slag Fragments some Sand, trace Gravel, wet	
5							3.4	…water is black with sheen	
6	NA	S-2	4-8	30	NA	6.4	28.6	Black Stained Gravel, some Silty Sand intermixed with Coal Slag Fragments, wet (FILL)	
7									
8							41.2		
9							4.6		
10	NA	S-3	8-12	20	NA	1.9	6.2		
11									
12							12.4		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-107

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-108

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL AND ROOTS	
2	NA	S-1	0-4	60	NA	0.0	0.0	Black Sandy Gravel, some Silt, intermixed with Coal Fragments, moist (FILL)	
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	40	NA	0.1	0.0		
7									
8							0.0		
9							0.0		
10	NA	S-3	8-12	20	NA	0.0	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-108

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AN AFFILIATE OF DAY ENGINEERING, P.C

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-110

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
							0.0	0.3' Asphalt and FILL	
1								Brown Sandy Gravel intermixed with Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	60	NA	1.1	0.0		
3								...Black Sandy Gravel	
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	40	NA	1.1	0.0		
7									
8							0.0		
								Refusal @ 8.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-110

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-111

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	0.3' Asphalt and FILL	
								Brown Sand, some Gravel, trace Silt, intermixed with Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	60	NA	0.9	0.8		
3									
4							1.7	...wet	
5							0.3	Black Sandy Gravel, intermixed with Coal Slag and Coal Fragments, wet (FILL)	
6	NA	S-2	4-8	40	NA	1.0	0.4		
7									
8							0.4		
9							0.4		
10	NA	S-3	8-12	30	NA	0.3	0.6		
11								Black Silty SAND, trace Gravel, wet	
12							0.5		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-111

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Project Address: 1 West Main Street
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-112

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	0.75' Asphalt and FILL	
2	NA	S-1	0-4	50	NA	1.0	0.0	Brown Sandy Gravel, some Silt, intermixed with Brick and Coal Fragments, moist (FILL)	
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	20	NA	1.3	0.0		
7									
8							0.0	Green Silty CLAY, wet	
9									
10	NA	S-3	8-12	0	NA	-	-	…no recovery	
11									
12								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-112

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Project #: PC.2696I-01
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-113

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	0.3' Asphalt and FILL	
								Black Sandy Silt, little Gravel, intermixed with Brick and Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	80	NA	0.9	0.0		
3									
4							0.0		
5							0.0	…wet	
								Gray Silty Sand, little Gravel, intermixed with Brick and Coal Fragments,	
6	NA	S-2	4-8	80	NA	0.4	0.0	wet (FILL)	
7								...Black Sandy Silt	
8							0.0		
9							0.0		
10	NA	S-3	8-11	60	NA	0.3	0.0		
11								Black Sandy Gravel, little Silt, intermixed with Wood and Brick Fragments, wet (FILL)	
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-113

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-115A

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 8.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Black Sandy Gravel, some Silt, intermixed with Coal and Brcik Fragments, moist (FILL)	
2	NA	S-1	0-4	70	NA	0.0	0.0		
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	30	NA	0.0	0.0		
7								Green/Gray coarse SAND, little Gravel, trace Silt, wet	
8							0.0		
								BOH @ 8.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-115A

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-116

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
2	NA	S-1	0-4	90%	NA	0.0	0.0	Black Sandy Gravel, trace Silt, intermixed with Coal Fragments, moist (FILL)	
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	100	NA	0.2	0.0		
7								Brown/Green Silty CLAY, trace Sand, wet	
8							0.0		
9							0.0	Brown SILT, trace Sand, wet	
10	NA	S-3	8-12	90	NA	0.0	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-116

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Project #: PC.2696I-01
Project Address: 1 West Main Street
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-117

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1								TOPSOIL and ROOTS	
								Black Sandy Gravel, some Silt, intermixed with Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	80	NA	1.7	5.3		
3									
4								…wet (water has sheen)	
							17.1		
5									
6	NA	S-2	4-8	60	NA	23.5	34.6		
7								…some Coal Slag Fragments	
								Black Sandy Gravel, some Silt, intermixed with Coal Fragments and Coal Tar,	
8							49.2	wet (FILL)	
							37.2		
9									
10	NA	S-3	8-12	40	NA	1.7	29.1		
								Gray Silty CLAY, some sand, wet	
11									
12							7.6		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-117

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-118

Page of 1 of 1

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
2	NA	S-1	0-4	60	NA	0.0	0.0	Black Sandy Gravel, some Silt, intermixed with Coal Fragments, moist (FILL)	
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	40	NA	0.0	0.0		
7									
8							0.0		
9							0.0		
10	NA	S-3	8-12	20	NA	0.0	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-118

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-119

Ground Elevation: Datum:
Date Started: 11/16/2006 Date Ended: 11/16/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	TOPSOIL and ROOTS	
1									
2	NA	S-1	0-4	70	NA	4.3	1.3	Brown coarse Sand, some Gravel, trace Silt, moist (FILL)	
3									
4							0.8	…wet (water has sheen)	
5							1.1	Black Stained Gravel, trace Sand, intermixed with Coal Fragments, wet (FILL)	
6	NA	S-2	4-8	20	NA	2.1	2.1		
7									
8							3.0		
9							2.4	Black Sandy Silt, some Gravel, trace Clay, wet (FILL)	
10	NA	S-3	8-12	20	NA	14.1	2.9		
11									
12							3.2		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-119

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Project #: PC.2696I-01
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-120

Ground Elevation: Datum:
Date Started: 11/16/2006 Date Ended: 11/16/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	0.3' Asphalt and FILL	
1								Black Sandy Gravel intermixed with Coal and Coal Slag Fragments, moist (FILL)	
2	NA	S-1	0-4	80	NA	2.2	0.2		
3								…wet (water has sheen)	
4							0.4		
4							0.9		
5									
6	NA	S-2	4-8	40	NA	3.0	2.1		
7									
8							3.9		
8							3.2		
9									
10	NA	S-3	8-12	20	NA	4.7	2.9		
11								Gray Silty SAND, some Gravel, trace Clay, wet	
12							3.8		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-120

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Project #: PC.2696I-01
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-121

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 15.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
								Black Sandy Gravel, some Silt, intermixed with Coal and Coal Slag Fragments, moist (FILL)	
2	NA	S-1	0-4	80	NA	2.1	0.0		
3									
4							1.0	…wet (water has sheen), Coal Tar Type Odor	
5							1.1		
6	NA	S-2	4-8	60	NA	2.2	2.1	Black Sandy Gravel and Coal, intermixed with Coal Slag Fragments and Coal Tar, wet (FILL)	
7									
8							1.0		
9							323		
10	NA	S-3	8-12	60	NA	39.9	81.6	Black Silty CLAY, trace Silt, trace Gravel, wet	
11									
12							106		
13							6.4	Gray Silty SAND, some Gravel, wet	
14	NA	S-4	12-15	80	NA	3.0	5.6		
15							6.2		
								Refusal @ 15.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-121

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Project #: PC.2696I-01
Project Address: 1 West Main Street
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-122

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 10.6' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
								Black Sandy Gravel, some Silt, intermixed with Coal Tar, Coal Slag and Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	60	NA	12.4	0.0		
3									
4							9.3	…wet (water has sheen)	
5							3.6		
6	NA	S-2	4-8	50	NA	2.1	1.2		
7									
8							1.0		
9	NA	S-3	8-12	40	NA	2.8	3.2	Gray Silty CLAY, wet	
10							1.2		
							0.8		
								Refusal @ 10.6'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-122

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TEST BORING NO. TB-123

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Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 10.5' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
							0.0	TOPSOIL and ROOTS	
1								Black Sandy Gravel, some Silt, intermixerd with Coal and Coal Slag Fragments,	
2	NA	S-1	0-4	80	NA	16.9	3.1	Coal Tar, moist (FILL)	
3								Coal Slag Fragments, some Sandy Gravel, trace Silt, intermixed with	
4							7.2	Coal Tar, moist (FILL)	
								...wet (water has sheen)	
5							3.6		
6	NA	S-2	4-8	50	NA	14.8	6.8		
7								Gray Silty CLAY, trace Sand, wet	
8							4.8		
							6.8		
9	NA	S-3	8-12	60	NA	0.7	13.8		
10							1.8		
								Refusal @ 10.5'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-123

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TEST BORING NO. TB-124

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Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	TOPSOIL and ROOTS	
1								Black Silty Sand, intermixed with Coal and Coal Slag Fragments, moist (FILL)	
2	NA	S-1	0-4	90	NA	0.7	0.0		
3									
4							0.0	...wet (water has sheen)	
5							0.8		
6	NA	S-2	4-8	60	NA	0.9	1.2		
7								Coal Slag Fragments, some Gravel, wet (FILL)	
8							3.6		
9							48.1	Gray Silty CLAY, wet	
10	NA	S-3	8-12	40	NA	8.1	96.2		
11									
12							18.9	BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

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Sampling Method: Direct Push

TEST BORING NO. TB-125

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Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2006
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
							0.0	TOPSOIL and ROOTS	
1								Black Gravel, some Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	70	NA	2.3	0.0		
3									
4							0.0	Black Gravel, intermixed with Coal and Coal Slag Fragments, moist (FILL)	
5							0.0		
6	NA	S-2	4-8	70	NA	1.6	0.1	...wet	
7								Coal Slag Fragments, some Gravel, wet (FILL)	
8							0.1		
9							0.0		
10	NA	S-3	8-12	40	NA	8.1	0.0	Gray Silty CLAY, wet	
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-125

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Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-126

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
2	NA	S-1	0-4	70	NA	1.2	0.0	Black Sandy Silt, some Gravel, trace Clay, intermixed with Coal and Brick Fragments, moist (FILL)	
3									
4							0.0		
5							0.0		
6	NA	S-2	4-8	60	NA	2.3	0.2	Coal Slag Fragments, trace Sandy Gravel, moist (FILL)	
7									
8							0.8	Wood (RR Tie), moist (FILL)	
9							0.0	Gray CLAY, trace Silt, wet	
10	NA	S-3	8-12	40	NA	0.8	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

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Sampling Method: Direct Push

TEST BORING NO. TB-127

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Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12 Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
2	NA	S-1	0-4	80	NA	3.9	0.0	Black Sandy Gravel, some Silt, intermixed with Coal, Coal Slag, and Brick Fragments, moist (FILL)	
3									
4							0.0		
5							0.0		
6	NA	S-2	4-8	60	NA	0.6	0.0	...wet	
7									
8							0.8		
9									
10	NA	S-3	8-12	0	NA	NA	NA		
11									
12								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

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Sampling Method: Direct Push

TEST BORING NO. TB-128

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Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	40	NA	2.0	0.0	Brown Silty Sand, some Gravel, intermixed with Brick, Coal, and Coal Slag Fragments, moist (FILL)	
2							0.0	Black Silty Sand, some Gravel, intermixed with Brick, Coal, and Coal Slag Fragments, moist (FILL)	
3									
4							0.0	Brown Sandy Gravel, intermixed with Brick, Coal, and Coal Slag Fragments,	
5	NA	S-2	4-8	10	NA	NA	0.0	moist (FILL)	
6							1.2	...wet	
7									
8							3.6		
9	NA	S-3	8-12	10	NA	NA	3.4		
10							2.1		
11									
12							2.4		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

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Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-129

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Black Sandy Gravel intermixed with Coal and Coal Slag Fragments, moist (FILL)	
2	NA	S-1	0-4	60	NA	14.7	0.8	Black Sandy Gravel trace Silt, some Coal Slag Fragments, moist (FILL)	
3								…wet (water has a sheen)	
4							1.1		
5							1.3		
6	NA	S-2	4-8	20	NA	5.4	2.3		
7									
8							1.0		
9							2.4		
10	NA	S-3	8-12	10	NA	9.2	3.1		
11									
12							3.6		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

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Sampling Method: Direct Push

TEST BORING NO. TB-130

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Asphalt and Sub-base	
2	NA	S-1	0-4	40	NA	1.1	0.8	Black Sandy Gravel, some Silt, intermixed with Coal, Brick, and Wood Fragments, moist (FILL)	
3									
4							0.7	…wet	
5							0.8		
6	NA	S-2	4-8	10	NA	0.8	2.4		
7								Black Coal Slag, some Gravel, intermixed with Coal, Brick and Wood Fragments, wet (FILL)	
8							2.7		
9							0.0	Gray Silty Clay some Silt, trace Gravel, wet (FILL)	
10	NA	S-3	8-12	25	NA	1.0	0.0		
11									
12							0.0	Gray coarse Sand, some Gravel, intermixed with Coal and Brick Fragments, wet (FILL)	
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-130

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Sampling Method: Direct Push

TEST BORING NO. TB-131

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	0.7' Asphalt and FILL	
								Black Sandy Gravel, some Silt, intermixed with Coal and Brick Fragments, moist (FILL)	
2	NA	S-1	0-4	40	NA	0.4	0.0		
3									
4							0.0		
5							0.0	Coal Fragments	
								Black Sandy Gravel, little Silt, intermixed with Coal and Brick Fragments,	
6	NA	S-2	4-8	90	NA	0.4	0.0	moist (FILL)	
								…wet	
7								Gray Silty Clay, some Sand, intermixed with Coal and Brick Fragments, wet (FILL)	
8							0.0		
9							0.0	Sandy Gravel intermixed with Wood and Coal Fragments, wet (FILL)	
10	NA	S-3	8-12	80	NA	0.5	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

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TABLE 1
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1 WEST MAIN STREET
BEACON, NEW YORK

VOLATILE ORGANIC COMPOUND (VOC) AND NAPHTHALENE TEST RESULTS: SOIL SAMPLES

DETECTED VOCS AND NAPHTHALENE	SAMPLE AND LOCATION						NYSDEC TAGM 4046 RSCO[(1)] (PPB)
	TB-105 (8.0')	TB-106 (8.0')	TB-107 (8.0')	TB-111 (12.0')	TB-115A (4.0')	TB-117 (8.0')	
1,2,4-Trimethylbenzene	ND	500	3,300	ND	ND	6,900	10,000
1,3,5-Trimethylbenzene	ND	170	1,300	ND	ND	2,800	3,300
Benzene	ND	**160**	**1,200**	ND	ND	**300**	60
Ethylbenzene	ND	110	440	ND	ND	1,200	5,500
Total Xylenes	ND	740	**7,000**	ND	ND	**8,300**	1,200
Toluene	ND	240	**3,100**	ND	ND	1,400	1,500
Styrene	ND	ND	1,000	ND	ND	ND	NL
Vinyl Chloride	ND	ND	ND	ND	ND	ND	200
n-Butylbenzene	ND	ND	ND	ND	ND	ND	10,000
sec-Butylbenzne	ND	ND	ND	ND	ND	ND	10,000
Chloroform	ND	ND	ND	ND	ND	ND	300
Isopropylbenzene	ND	ND	ND	ND	ND	ND	2,300
p-Isoprppyltoluene	ND	ND	ND	ND	ND	ND	10,000
2-Butanone	**410**	280	ND	15	ND	ND	300
Total VOCs	410	2,200	**17,340**	15	ND	**20,900**	10,000
Naphthalene	5,600	**130,000**	**1,100,000**	ND	ND	**1,500,000**	13,000

Concentrations shown in ug/kg or parts per billion (ppb).

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

ND = Not Detected at concentration above reported analytical laboratory detection limit.

410 = Exceeds RSCO.

NL = Not Listed in TAGM 4046.

TABLE 1
PAGE 2 of 2

1 WEST MAIN STREET
BEACON, NEW YORK

VOLATILE ORGANIC COMPOUND (VOC) AND NAPHTHALENE TEST RESULTS: SOIL SAMPLES

DETECTED VOCS AND NAPHTHALENE	SAMPLE AND LOCATION						NYSDEC TAGM 4046 RSCO[(1)] (PPB)
	TB-118 (4.0')	TB-120 (8.0')	TB-124 (10.0')	TB-126 (4.0')	TB-127 (8.0')	TB-129 (8.0')	
1,2,4-Trimethylbenzene	ND	130	3,600	ND	ND	ND	10,000
1,3,5-Trimethylbenzene	ND	ND	1,400	ND	ND	ND	3,300
Benzene	ND	ND	**340**	3	ND	ND	60
Ethylbenzene	ND	ND	740	ND	ND	ND	5,500
Total Xylenes	ND	ND	**10,500**	2	ND	ND	1,200
Toluene	ND	ND	**3,200**	3	ND	ND	1,500
Styrene	ND	ND	ND	ND	ND	ND	NL
Vinyl Chloride	ND	ND	ND	ND	ND	ND	200
n-Butylbenzene	ND	ND	110	ND	ND	12	10,000
sec-Butylbenzne	ND	ND	ND	ND	ND	21	10,000
Chloroform	ND	ND	ND	ND	ND	ND	300
Isopropylbenzene	ND	ND	130	ND	ND	ND	2,300
p-Isoprppyltoluene	ND	ND	110	ND	ND	ND	10,000
2-Butanone	18	**4,501**	ND	ND	ND	ND	300
Total VOCs	18	4,631	**20,130**	8	ND	33	10,000
Naphthalene	ND	9,000	**43,000**	ND	ND	390	13,000

Concentrations shown in ug/kg or parts per billion (ppb)

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

ND = Not Detected at concentration above reported analytical laboratory detection limit

4,501 = Exceeds RSCO

NL = Not Listed in TAGM 4046

TABLE 2
PAGE 1 of 2

1 WEST MAIN STREET
BEACON, NEW YORK

SEMI-VOLATILE ORGANIC COMPOUND (SVOC) TEST RESULTS: SOIL SAMPLES

DETECTED SVOCS	SAMPLE AND LOCATION								NYSDEC TAGM 4046 RSCO[(1)] (PPB)
	TB-101 (4.0')	TB-105 (8.0')	TB-106 (8.0')	TB-107 (8.0')	TB-110 (8.0')	TB-111 (12.0')	TB-112 (4.0')	TB-115A (4.0')	
2-Methylnaphthalene	ND	1,500	1,900	2,500	130	ND	ND	1,500	36,400
Acenaphthene	ND	2,700	2,900	1,400	1,600	ND	ND	ND	50,000
Acenaphthylene	ND	2,200	1,500	3,600	220	ND	ND	1,600	50,000
Anthracene	300	5,600	4,300	7,800	230	ND	56	1,700	50,000
Benzo(a)anthracene	**880**	**5,300**	**2,900**	**5,500**	**320**	ND	**270**	**2,600**	224
Benzo(a)pyrene	**1,100**	**4,800**	**2,700**	**4,300**	**280**	ND	**270**	**3,600**	61
Benzo(b)fluoranthene	**1,200**	**4,600**	**2,400**	**3,500**	**380**	ND	**390**	**2,700**	220
Benzo(g,h,I)perylene	260	500	490	760	ND	ND	ND	ND	50,000
Benzo(k)fluoranthene	**1,500**	**4,600**	**2,400**	**4,100**	**420**	ND	**500**	**3,400**	220
Chrysene	**980**	**4,100**	**2,500**	**4,500**	340	ND	290	**2,400**	400
Dibenz(a,h)anthracene	ND	**420**	**340**	**660**	ND	ND	ND	ND	14.3
Dibenzofuran	ND	3,600	2,700	3,100	ND	ND	ND	980	6,200
Fluoranthene	2,000	11,000	7,700	12,000	690	ND	480	4,700	50,000
Fluorene	ND	5,600	4,800	4,900	210	ND	ND	1,700	50,000
Indeno(1,2,3-cd)pyrene	280	700	530	1,200	ND	ND	ND	570	3,200
Naphthalene	ND	1,100	1,700	7,600	2,100	ND	ND	2,000	13,000
Phenanthrene	1,200	13,000	11,000	13,000	850	ND	240	5,800	50,000
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	8,100
bis-(2-Ethylhexyl)phthalate	ND	ND	ND	ND	67	ND	ND		50,000
Pyrene	1,800	8,800	6,500	9,200	570	ND	360	4,400	50,000
Total SVOCs	11,500	80,120	59,260	89,620	8,407	0	2,856	39,650	500,000
Total cPAHs	5,940	24,520	13,770	23,760	1,740	ND	1,720	15,270	NL
Total cPAH SVOCs as BAP Toxicity Equivalent	1,361	6,367	3,672	6,066	358	ND	344	4,245	NL

Concentrations shown in ug/kg or parts per billion (ppb).

cPAH = carcinogenic polyaromatic hydrocarbons (Benzo(a)pyrene, Dibenzo(a,h)anthracene, Benzo(a)anthracene, Benzo(b)fluoranthene, Ideno(1,2,3-cd)pyrene, Benzo(k)fluoranthene, chrysene).

BAP = Benzo(a)pyrene.

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

1,500 = Exceeds RSCO.

ND = Not Detected at concentration above reported analytical laboratory detection limit.

NL = Not Listed in TAGM 4046.

1 WEST MAIN STREET
BEACON, NEW YORK

SEMI-VOLATILE ORGANIC COMPOUND (SVOC) TEST RESULTS: SOIL SAMPLES

DETECTED SVOCS	SAMPLE AND LOCATION							NYSDEC TAGM 4046 RSCO[(1)] (PPB)
	TB-117 (8.0')	TB-118 (4.0')	TB-120 (8.0')	TB-124 (4.0')	TB-126 (10.0')	TB-127 (8.0')	TB-129 (8.0')	
2-Methylnaphthalene	**210,000**	ND	ND	**350,000**	340	390	540	36,400
Acenaphthene	ND	ND	370	41,000	ND	180	320	50,000
Acenaphthylene	**190,000**	ND	ND	**83,000**	ND	ND	ND	50,000
Anthracene	**200,000**	ND	550	**160,000**	ND	260	ND	50,000
Benzo(a)anthracene	**140,000**	100	**1,500**	**110,000**	ND	190	ND	224
Benzo(a)pyrene	**86,000**	**72**	**1,100**	**7,800**	ND	ND	ND	61
Benzo(b)fluoranthene	**59,000**	63	**750**	**62,000**	ND	ND	ND	220
Benzo(g,h,I)perylene	ND	ND	690	ND	ND	ND	ND	50,000
Benzo(k)fluoranthene	**88,000**	91	**1,200**	**90,000**	ND	ND	ND	220
Chrysene	**110,000**	100	**1,800**	**89,000**	ND	180	ND	400
Dibenz(a,h)anthracene	ND	ND	**380**	ND	ND	ND	ND	14.3
Dibenzofuran	**130,000**	ND	4,500	**130,000**	ND	ND	ND	6,200
Fluoranthene	**370,000**	170	ND	**220,000**	340	410	430	50,000
Fluorene	**190,000**	ND	ND	**180,000**	ND	250	290	50,000
Indeno(1,2,3-cd)pyrene	ND	ND	560	**17,000**	ND	ND	ND	3,200
Naphthalene	**780,000**	ND	440	**690,000**	260	910	400	13,000
Phenanthrene	**530,000**	110	5,100	**400,000**	340	740	630	50,000
Di-n-butylphthalate	ND	ND	ND	ND	260	180	ND	8,100
bis-(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	50,000
Pyrene	**280,000**	160	4,100	**170,000**	330	330	390	50,000
Total SVOCs	**3,363,000**	866	23,040	**2,799,800**	1,870	4,020	3,000	500,000
Total cPAHs	483,000	335	7,290	375,800	ND	370	ND	NL
Total cPAH SVOCs as BAP Toxicity Equivalent	107,880	90	1,791	28,490	ND	21	ND	NL

Concentrations shown in ug/kg or parts per billion (ppb)

cPAH = carcinogenic polyaromatic hydrocarbons (Benzo(a)pyrene, Dibenzo(a,h)anthracene, Benzo(a)anthracene, Benzo(b)fluoranthene, Ideno(1,2,3-cd)pyrene, Benzo(k)fluoranthene, chrysene)

BAP = Benzo(a)pyrene

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

210,000 = Exceeds RSCO

ND = Not Detected at concentration above reported analytical laboratory detection limit

NL = Not Listed in TAGM 4046

TABLE 3

1 WEST MAIN STREET
BEACON, NEW YORK

METALS TEST RESULTS: SOIL SAMPLES

DETECTED ANALYTE	SAMPLE AND LOCATION				Recommended Soil Cleanup Objective (1)	Typical Background Range (2)
	TB-107 (8.0')	TB-111 (12.0')	TB-115A (4.0')	TB-118 (4.0')		
Antimony	ND	ND	ND	ND	SB	NL
Arsenic	**7.53**	1.14	4.68	3.92	7.5 or SB	3-12
Beryllium	**0.76**	ND	**0.23**	**0.31**	0.16 or SB	0-1.75
Cadmium	ND	ND	ND	ND	1 or SB (10)	0.1-1
Chromium	7.53	8.1	**13.8**	**13.4**	10 or SB (50)	1.5-40
Copper	21.6	13.8	**75.2**	**55.4**	25 or SB	1-50
Lead	15.4	11.4	47.5	99.7	SB	200-500**
Mercury	ND	ND	ND	ND	0.1	0.001-0.2
Nickel	1.81	11.9	**20**	12.8	13 or SB	0.5-25
Selenium	ND	ND	ND	1.02	2 or SB	0.1-3.9
Silver	ND	ND	ND	ND	SB	NL
Thallium	ND	ND	ND	ND	SB	NL
Zinc	**30.3**	**37.3**	**97.3**	**49.5**	20 or SB	9-50

Concentrations shown in mg/kg or parts per million (ppm).

SB = Site background.

1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994.
- Cadmium results also compared to RSCO of 10 ppm listed in the 1995 “proposed” TAGM 4046.
- Chromium results also compared to RSCO of 50 ppm listed in the 1995 “proposed” TAGM 4046.

2) = Typical background range as referenced in NYSDEC TAGM 4046 dated January 24, 1994.

97.3 Exceeds typical background range referenced in TAGM 4046.

49.5 = Exceeds RSCO referenced in TAGM 4046.

ND = Not Detected at concentration above reported analytical laboratory detection limit.

NL = Not Listed in TAGM 4046.

TABLE 4

1 WEST MAIN STREET
BEACON, NEW YORK

PCBS TEST RESULTS: SOIL SAMPLES

Detected Compound	SAMPLE AND LOCATION				Recommended Soil Cleanup Objective [(1)] (PPM)
	TB-107 (8.0')	TB-111 (12.0')	TB-115A (4.0')	TB-118 (4.0')	
PCB 1260	ND	ND	ND	ND	10

Concentrations shown in mg/kg or parts per million (ppm).

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

TABLE 5

1 WEST MAIN STREET
BEACON, NEW YORK

CYANIDE, pH, IGNITABILITY AND REACTIVITY TEST RESULTS: SOIL SAMPLES

Parameter	SAMPLE AND LOCATION							NYSDEC TAGM 4046 RSCO[(1)] (PPM)
	TB-101 (4.0')	TB-110 (8.0')	TB-121 (8.0')	TB-124 (4.0')	TB-127 (8.0')	TB-126 (10.0')	TB-129 (8.0')	
Total Cyanide	ND	ND	ND	ND	ND	ND	1.24	NL
pH	-	-	9.86	-	-	-	9.89	NL
Ignitability	-	-	ND	-	-	-	-	NL
Reactivity	-	-	29	-	-	-	-	NL

Cyanide concentrations shown in mg/kg or parts per million (ppm).

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

ND = Cyanide not detected at concentration above reported analytical laboratory detection limit / Sample did not ignite.

NL = Not Listed in TAGM 4046.

- = Not Tested as part of Laboratory Program.

TABLE 6

1 WEST MAIN STREET
BEACON, NEW YORK

VOLATILE ORGANIC COMPOUND (VOC), NAPHTHALENE, pH, AND TOTAL CYANIDE TEST RESULTS: GROUNDWATER SAMPLES

DETECTED VOCS	SAMPLE AND LOCATION						NYSDEC TOGS 1.1.1 Groundwater Standard or Guidance Value [(1)] (PPB)
	MW-101*	MW-102*	MW-103*	MW-103**	MW-104**	MW-105**	
Total Xylene	ND	ND	**290**	**59**	ND	ND	5
1,2,4-Trimethylbenzene	ND	ND	**58**	**12**	ND	ND	5
Benzene	ND	ND	**650**	**99**	ND	ND	1
Ethylbenzene	ND	ND	ND	3	ND	ND	5
Toluene	1	ND	**350**	**71**	ND	ND	5
n-Butylbenzene	ND	ND	ND	ND	ND	ND	5
n-Propylbenzene	ND	ND	ND	ND	ND	ND	5
Isopropylbenzene	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	**2900**	**390**	ND	ND	10
1,3,5-Trimethylbenzene	ND	ND	ND	5	ND	ND	5
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	5
1,2-Dichlorothane	ND	ND	ND	**3**	ND	ND	0.6
Tetrachloroethene	ND	ND	ND	ND	ND	ND	5
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	5
pH	-	-	-	6.86	7.92	7.48	NL
Total Cyanide	-	-	-	0.02	ND	ND	400

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

Concentrations shown in ug/L or parts per billion (ppb).

290 = Exceeds groundwater standard or guidance value.

ND = Not detected at concentrations above reported analytical laboratory detection limits.

- = Not Tested as part of Laboratory Program.

NL = Not listed in TOGS 1.1.1.

* = Sample collected on November 17, 2005.

** = Sample collected on December 1, 2005.

TABLE 7

1 WEST MAIN STREET
BEACON, NEW YORK

SEMI-VOLATILE ORGANIC COMPOUND (SVOC) TEST RESULTS: GROUNDWATER SAMPLES

DETECTED SVOCS	SAMPLE AND LOCATION						NYSDEC TOGS 1.1.1 Groundwater Standard or Guidance Value [(1)] (PPB)
	MW-101*	MW-102*	MW-103*	MW-103**	MW-104**	MW-105**	
2-Methylnaphthalene	ND	ND	140	ND	ND	ND	NL
Acenaphthene	ND	ND	**83**	ND	ND	ND	20
Acenaphthylene	ND	ND	92	ND	ND	ND	NL
Dibenzofuran	ND	ND	58	ND	ND	ND	NL
Fluoranthene	ND	ND	**58**	ND	ND	ND	50
Fluorene	ND	ND	**87**	ND	ND	ND	50
Naphthalene	ND	ND	**1,300**	84	ND	ND	10
Phenanthrene	ND	ND	**130**	ND	ND	ND	50
Pyrene	ND	ND	**51**	ND	ND	ND	50

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

Concentrations shown in ug/L or parts per billion (ppb).

83 = Exceeds groundwater standard or guidance value.

ND = Not detected at concentrations above reported analytical laboratory detection limits.

NA = Not Listed in TOGS 1.1.1.

* = Sample collected on November 17, 2005.

** = Sample collected on December 1, 2005.

TABLE 8

1 WEST MAIN STREET
BEACON, NEW YORK

METALS TEST RESULTS: GROUNDWATER SAMPLES

Detected Analyte	SAMPLE AND LOCATION			NYSDEC TOGS 1.1.1 Groundwater Standard or Guidance Value (1) (PPB)
	MW-101*	MW-102*	MW-103*	
Antimony	ND	ND	ND	6
Arsenic	ND	ND	14	50
Beryllium	0.30	0.10	ND	3
Cadmium	ND	ND	ND	10
Chromium	16	8	8	100
Copper	117	94	11	1,000
Lead	**390**	**90**	35	50
Mercury	**5.5**	0.30	ND	1.4
Nickel	9	ND	ND	200
Selenium	11	ND	16	20
Silver	ND	ND	46	100
Thallium	ND	ND	ND	0.5
Zinc	187	95	ND	5,000

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

Concentrations shown in mg/kg or parts per million (ppm).

390 = Exceeds groundwater standard or guidance value.

ND = Not detected at concentrations above reported analytical laboratory detection limits.

* = Sample collected on November 17, 2005.

Supplemental Phase II Investigation

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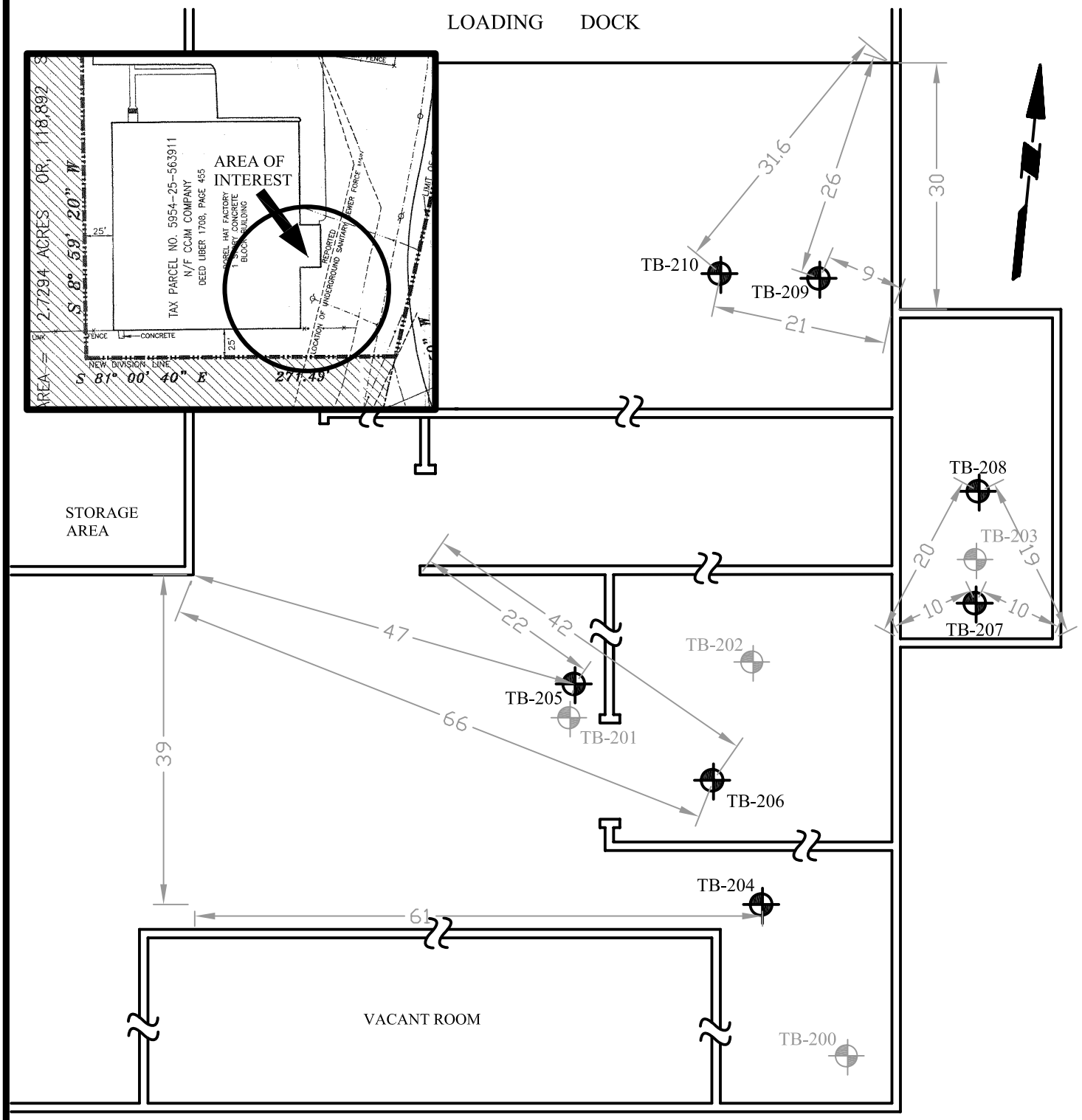

NOTE:

1. ALL DIMENSIONS IN FEET
2. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

LEGEND:

TB-205 — BORING DRILLED ON MAY 18, 2006

TB-200 — BORING DRILLED ON MAY 16, 2006, REFUSAL ENCOUNTERED BEFORE THE DESIGN DEPTH

YU & Associates, Inc.
Geotechnical, Environmental and Civil Engineering

611 River Drive
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Tel: (201) 791-0075
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Certificate of Authorization #24GA27976700

BORING LOCATION PLAN
METRO NORTH - DORAL HAT
1 WEST MAIN STREET

BEACON

DUTCHESS NEW YORK

JOB NO.: 0507501	SCALE: N. T. S.	DATE: 06/14/06	FIG. 1

G:\YU&ASSOC\PROJECTS\05075 (Metro North Beacon)\Dorel Hat\Phase II\Dwg\ Fig_1.dwg Jun 15, 2006 - 7:11pm agarg

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Core Drill & Jack Hammer

CASING: NA

CORING: NA

STARTED: 05/16/06

COMPLETED: 05/16/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-200**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/16/06	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	6.5" Thick Concrete Floor Brown c-f SAND, little Silt, little m-f Gravel, dry	12/18	0.0 (throughout)		
2		± 2'				
3		Same as above ± 3'	18/24			
4		Grayish Black c-f SAND, little Silt, frequent ash and cinder fragments ± 4'			TB200-4 (Soil)	4-5
5		Same as above ± 5'	12/12			
		END OF BORING @ 5 FEET				

REMARKS: Refusal encountered at 5 ft

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Core Drill & Jack Hammer

CASING: NA

CORING: NA

STARTED: 05/16/06

COMPLETED: 05/16/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. TB-201

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/16/06	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	8" Thick Concrete Floor Brown c-f SAND, little Clayey Silt, trace m-f Gravel, moist	4/12	0.0 (throughout)		
2		± 2'				
3		Brown c-f SAND, little Silt, trace m-f Gravel, dry	12/24			
4		± 4'			TB201-4 (Soil)	4-5
5		Same as above ± 5'	12/24			
6		Dark Brown to Black c-f SAND, little m-f Gravel, ash and cinder fragments ± 6.5'	0/6			
7		END OF BORING @ 6.5 FEET				

REMARKS: Refusal encountered at 6.5 ft

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Core Drill & Jack Hammer

CASING: NA

CORING: NA

STARTED: 05/16/06

COMPLETED: 05/16/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. TB-202

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/16/06	6.5

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE	
					Env. Sample	Depth (feet)
1	FILL	6.5" Thick Concrete Floor		0.0 (throughout)	TB202-5.5 (Soil)	5.5-6.5
2		Brown c-f SAND, little m-f Gravel, little Silt, dry ± 2.5'	22/24			
3		Same as above	9/24			
4		±4' Dark Brown c-f SAND, little m-f Gravel, trace Silt, moist				
5		Same as above	18/24			
6		Brown m-f SAND, some Silt, trace f Gravel, moist Brown m-f SAND, some Clayey Silt, wet Dark Brown/Black c-f SAND, and f Gravel, wet ± 6.5'				
		END OF BORING @ 6.5 FEET				

REMARKS: Refusal encountered at 6.5 ft

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Core Drill & Jack Hammer

CASING: NA

CORING: NA

STARTED: 05/16/06

COMPLETED: 05/16/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-203**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/16/06	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	4.5" Thick Concrete Floor Note: Cored drilled to 1 ft due to refusal ± 1'		0.0 (throughout)	TB203-3 (Soil)	3-4
2		Dark Gray / Black c-f GRAVEL, some c-f Sand, ash and cinders, moist ± 2'	4/12			
3		Grayish Brown c-f SAND, some c-f Gravel, trace Silt, moist, ash and cinders ± 3' Dark Gray/ Black c-f SAND, some m-f Gravel, moist, ash and coal fragments	16/24			
4		± 4'				
		END OF BORING @ 4 FEET				

REMARKS: Refusal encountered at 4 ft

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-204**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	6.5" Thick Concrete Floor Brown c-f SAND, little c-f Gravel, trace Silt, moist				
2			24/48	0.0		
3						
4		± 4'				
5		Dark Brown/Black c-f SAND, some Silt, little f Gravel, dry, with ash, cinders and coal fragments				
6		Brown c-f SAND, little c-f Gravel, trace Silt, moist	35/48	0.0		
7		Brown/Dark Brown c-f Gravel, little c-f Sand, trace Silt, wet				
8		Note: Dark Gray / Black color @ bottom 1" of sample ± 8'				
9		Dark Gray / Black c-f GRAVEL, little c-f Sand, trace Silt, wet, free product (coal tar) observed, strong petroleum odor			TB204-8.5 (Soil)	8.5-9.5
10			14/48	> 100 ppm		
11						
12		± 12'				
13	SM	Same as above ± 12.5' Dark Gray v. f. SAND, trace Silt, wet				
14			13/48	0.0		
15						
16		± 16'				
		END OF BORING @ 16 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-205**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	8

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	8" Thick Concrete Floor Brown c-f SAND, little Silt, trace m-f Gravel, dry	23/40	0.0 (throughout)		
2						
3						
4		± 4' Same as above				
5		Dark Brown c-f SAND, some Silt, little m-f Gravel moist	36/48			
6		Dark Brown /Black c-f GRAVEL, some c-f Sand, little Silt, moist, with ash and cinder fragments			TB205-6.5 (Soil)	6.5-7.5
7		Dark Brown SILT & CLAY, moist				
8		± 8'			TB205-8 (Soil)	8-9
9		Brown c-f GRAVEL, little c-f Sand, trace Silt, wet Note: Cobble stuck at tip of the sampler	12/48			
10						
11						
12		± 12'				
13	SM	Brown c-f GRAVEL, little c-f Sand, trace Silt moist ± 12.5 Dark Brown/Gray f SAND, little Clayey Silt, moist	8/48			
14						
15						
16		± 16'				
		END OF BORING @ 16 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. TB-206

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6.5

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6.5" Thick Concrete Floor				
1	FILL	Brown c-f SAND, little f Gravel, trace Silt, dry				
2		± 2'	18/41.5			
3		Dark Brown c-f SAND, little m-f Gravel, dry				
4		± 4'				
5		Dark Brown/Black c-f SAND, little c-f Gravel, little Silt, moist ± 5'		0.0 (throughout)		
6		Brown c-f SAND, lilttle f Gravel, trace Silt, moist ± 6'	28/48			
7		Dark Gray to Black c-f GRAVEL, little c-f Sand, wet, septic odor				
8		± 8'				
9		Dark Gray/Black c-f GRAVEL, little c-f Sand, trace Silt, wet, coal tar odor oberserved ± 9.5'			TB206-9 (Soil)	9-10
10	CL	Dark Gray/Black Silty CLAY, coal tar odor observed	23/48			
11						
12		± 12'				
		END OF BORING @ 12 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-207**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6.5

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6" Thick Concrete Floor				
1	FILL	Brown / Dark Brown c-f GRAVEL, and c-f Sand, trace Silt, moist				
2		± 2'				
3		Dark Gray/Black c-f SAND, some Silt, some c-f Gravel, with ash and cinder fragments	30/42			
4		± 4'				
5		Dark Brown/Brown c-f SAND, little c-f Gravel trace Silt, moist, with ash and cinder fragments		0.0 (throughout)		
		± 5.5'				
6		Brown c-f GRAVEL, some c-f Sand, trace Silt, moist ± 6.5'	36/48			
7		Dark Gray/Black c-f GRAVEL, trace c-f Sand, wet, with ash and ciner fragments				
8		± 8'				
		Brown/Dark Brown c-f SAND, and c-f Gravel, wet				
9		Dark Gray/Black c-f GRAVEL, trace c-f Sand, wet, free product (coal tar) observed			TB207-9.5 (Soil)	9.5-10.5
10		± 10'	28/48			
11	CL	Dark Gray Silty CLAY, wet, coal tar observed				
12		± 12'				
		END OF BORING @ 12 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-208**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6" Thick Concrete Floor				
1	FILL	Dark Brown c-f SAND, some c-f Gravel, trace Silt, dry, with coal and slag fragments				
2		Brown/Dark Brown c-f SAND, and Clayey Silt, trace c-f Gravel, moist ± 2'	24/42			
3		Black c-f SAND, some Silt, little c-f Gravel, dry with ash and cinder fragments				
4		± 4'				
		Same as above		0.0 (throughout)		
5		Dark Brown/Brown c-f GRAVEL, some c-f Sand, little Silt, moist ± 5.5'				
6		Dark Gray/Black c-f GRAVEL, little c-f Sand, trace Silt, wet	24/42			
7						
8		± 8'				
9		Dark Gray/Black c-f GRAVEL, some c-f Sand, trace Silt, wet, coal tar observed at bottom of layer ± 9'			TB208-9 (Soil)	9-10
10	CL	Dark Gray Silty CLAY, wet	15/48			
11						
12		± 12'				
		END OF BORING @ 12 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. TB-209

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6" Thick Concrete Floor				
1	FILL	Brown c-f SAND, little c-f Gravel, little Silt, dry				
2			21/42			
3						
4		± 4'				
		Same as above		0.0 (throughout)		
5		Dark Brown/Black c-f SAND, with ash and cinders				
6		± 6'				
		Yellowish Brown c-f SAND, some Silt, little c-f Gravel, moist	40/48			
7		Dark Brown/Black c-f SAND, little m-f Gravel, moist				
8		Grayish Black c-f GRAVEL, little c-f Sand, trace Silt, wet, septic odor observed ± 8'				
		Same as above				
9		Dark Gray / Black c-f GRAVEL, little c-f Sand, moist, observed coal tar, no odor ± 9.5'			TB209-9 (Soil)	9-10
10	ML	Dark Gray Clayey SILT, moist, septic odor	19/48			
11						
12		± 12'				
		Same as above				
13						
14	SM	Dark Gray v f SAND, little Silt, moist	23/48			
15						
16		± 16'				
		END OF BORING @ 16 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-210**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6" Thick Concrete Floor				
1	FILL	Brown c-f SAND, little Silt, little f Gravel, dry, with ash and cinder fragments				
2			24/42			
3						
4		± 4'				
		Same as above		0.0 (throughout)		
5		Dark Brown/Black c-f SAND, trace Silt, dry, with ash and cinder fragments ± 5.5'				
6		Brown f SAND, little c-f Gravel, little Silt, wet ± 6.5'	33/48			
7		Dark Gray c-f GRAVEL, little c-f Sand, wet, septic odor observed				
8		± 8'				
		Dark Gray m-f GRAVEL, little c-f Sand, wet, with ash and cinder fragments, septic odor				
9		Gray CLAY & SILT, trace c Gravel, moist ± 9'			TB210-9 (Soil)	9-10
10		Dark Gray m-f GRAVEL, little c-f Sand, wet, with ash and cinder fragments, septic odor ± 10'	29/48			
11	CL	Gray Silty CLAY, moist, Black in color at top and gray at bottom				
12		± 12'				
		END OF BORING @ 12 FEET				

REMARKS:

Yu & Associates, Inc.

Table 1
Sampling Summary Table
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Date Sampled	Sample Number	Depth (ft)	Medium	Analytical parameters	Sampling method
Soil Sampling (Through Borings TB200 to TB210)					
5/16/2006	TB200-4*	4.0-5.0	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/16/2006	TB201-4*	4.0-5.0	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/16/2006	TB202-5.5*	5.5-6.5	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/16/2006	TB203-3*	3.0-4.0	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/18/2006	TB204-8.5	8.5-9.5	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB205-6.5	6.5-7.5	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/18/2006	TB205-8*	8.0-9.0	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/18/2006	TB206-9	9.0-10.0	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB207-9.5	9.5-10.5	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB208-9	9.0-10.0	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB209-9	9.0-10.0	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB210-9	9.0-10.0	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
Groundwater Sampling					
5/18/2005	MW103		Aqueous	STARS VOCs, TCL VOCs, STARS SVOCs, TCL SVOCs	Bailer

* - Not Analyzed

Qualifiers :

STARS VOCs - Spill Technology and Remediation Series - Volatile Organic compounds

STARS SVOCs - Spill Technology and Remediation Series - Semi-Volatile Organic compounds

TCL VOCs - Target Compound List - Volatile Organic Compounds

TCL SVOCs - Target Compound List - Semi-Volatile Organic Compounds

TCLP VOCs - Toxicity Characteristic Leaching Procedure - Volatile Organic Compounds

TCLP SVOCs - Toxicity Characteristic Leaching Procedure - Semi-Volatile Organic Compounds

Table 2
Soil Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5	TB204-8.5DL	TB205-6.5	TB206-9	TB206-9DL	TB207-9.5	TB207-9.5DL	TB208-9	TB208-9DL	TB209-9	TB210-9	NYSDEC	NYSDEC
Lab Sample ID	E0658-05C	E0658-05C	E0658-06B	E0658-08C	E0658-08CDL	E0658-09C	E0658-09CDL	E0658-10C	E0658-10CDL	E0658-11C	E0658-12A	Rec. Soil	Soil cleanup
Sampling Date	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	Cleanup	objectives
Sample Depth (ft)	8.5-9.5	8.5-9.5	6.5-7.5	9-10	9-10	9.5-10.5	9.5-10.5	9-10	9-10	9-10	9-10	Objective	to protect
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		GW quality
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor	1	50	1	1	50	1	100	1	20	1	1		
VOCs													
Benzene	**640** E	ND	ND	**1800** E	ND	**10000** E	**22000** DJ	**150**	ND	ND	ND	60	60
Toluene	**2000** E	ND	ND	**3000** E	**5900** DJ	**13000** E	**78000** D	**370**	ND	ND	ND	1500	1500
Ethylbenzene	**1300** E	ND	ND	**3600** E	ND	**23000** E	ND	**60**	ND	ND	ND	5500	5500
m,p-Xylene	**5200** E	**22000** DJ	ND	**7800** E	**13000** DJ	**48000** E	**140000** D	**680**	ND	ND	ND	1200	1200
o-Xylene	**2800** E	ND	ND	**5500** E	ND	**35000** E	**53000** DJ	**260**	ND	ND	ND	1200	1200
Xylene (Total)	**8100** E	**22000** DJ	ND	**13000** E	**13000** DJ	**83000** E	**190000** D	**940**	ND	ND	ND	1200	1200
Isopropylbenzene	**110**	ND	ND	**610**	ND	**1500** E	ND	**8** J	ND	ND	ND	NA	NA
n-Propylbenzene	**51**	ND	ND	**140**	ND	**2800** E	ND	**6** J	ND	ND	ND	NA	NA
1,3,5-Trimethylbenzene	**1600** E	ND	ND	**3100** E	ND	**25000** E	**36000** DJ	**170**	ND	ND	ND	NA	NA
1,2,4-Trimethylbenzene	**2400** E	**22000** DJ	ND	**4100** E	**10000** DJ	**32000** E	**80000** D	**400**	ND	ND	ND	NA	NA
4-Isopropyltoluene	**50**	ND	ND	**220**	ND	**1600** E	ND	**5** J	ND	ND	ND	NA	NA
Naphthalene	**12000** EB	**22000** D	**4** J	**18000** EB	**360000** D	**85000** EB	**2600000** D	**5300** EB	**54000** D	**27**	**5** J	13000	13000

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which samples were analyzed

Qualifiers

E - Concentration exceeds the calibration range
B - Detected in associated method blank
D - Concentration obtained from diluted analysis
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results of Volatile Organics analyses

Table 3
Soil Semi-Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5		TB204-8.5DL		TB205-6.5		TB206-9		TB206-9DL		TB207-9.5		TB207-9.5DL		TB208-9		TB208-9DL		TB209-9		TB210-9		NYSDEC	NYSDEC
Lab Sample ID	E0658-05A		E0658-05ADL		E0658-06B		E0658-08A				E0658-09A		E0658-09ADL		E0658-10A		E0658-10ADl		E0658-11C		E0658-12A		Rec. Soil	Soil cleanup
Sampling Date	5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		Cleanup	objectives
Sample Depth (ft)	8.5-9.5		8.5-9.5		6.5-7.5		9-10		9-10		9.5-10.5		9.5-10.5		9-10		9-10		9-10		9-10		Objective	to protect
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			GW quality
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	ug/Kg
Dilution Factor	1		10		1		1		25		1		5		1		10		1		1			
SVOCs																								
Phenol	**77**	J	ND		ND		ND		ND		**260**	J	ND		ND		ND		ND		ND		30	30
4-Methylphenol	**90**	J	ND		ND		**2600**	J	ND		**370**	J	**380**	DJ	**810**	J	ND		ND		ND		900	900
2,4-Dimethylphenol	**100**	J	ND		ND		**2800**	J	ND		**1900**		**1900**	DJ	**6400**		**5600**	DJ	ND		ND		NA	NA
Naphthalene	**21000**	E	**40000**	D	**140**	J	**1300000**	E	**200000**	D	**37000**	E	**55000**	D	**390000**	E	**670000**	D	**620**		**85**	J	13000	13000
2-Methylnaphthalene	**10000**	E	**18000**	D	ND		**490000**	E	**72000**	D	**17000**	E	**26000**	D	**150000**	E	**240000**	D	**85**	J	ND		36400	36400
Acenaphthylene	**11000**	E	**19000**	D	ND		**410000**	E	**58000**	D	**15000**	E	**24000**	D	**120000**	E	**200000**	D	**43**	J	ND		41000	41000
Acenaphthene	**4900**		**6400**	D	ND		**320000**		**40000**	D	**5600**		**7200**	D	**52000**		**70000**	D	**240**	J	**570**		50000	90000
Dibenzofuran	**10000**	E	**17000**	D	ND		**430000**	E	**59000**	D	**14000**	E	**21000**	D	**100000**	E	**170000**	D	**140**	J	**80**	J	6200	6200
Fluorene	**12000**	E	**22000**	D	ND		**500000**	E	**72000**	D	**16000**	E	**26000**	D	**120000**	E	**220000**	D	**190**	J	**150**	J	50000	350000
Phenanthrene	**36000**	E	**49000**	D	**110**	J	**1200000**	E	**150000**	D	**39000**	E	**48000**	D	**310000**	E	**500000**	D	**780**		**1000**		50000	220000
Anthracene	**36000**	E	**31000**	D	**47**	J	**480000**	E	**65000**	D	**18000**	E	**31000**	D	**94000**	E	**190000**	D	**290**	J	**300**	J	50000	700000
Carbazole	**9600**	E	**12000**	D	ND		**240000**		**28000**	D	**14000**	E	**17000**	D	**64000**		**82000**	D	**200**	J	**130**	J	NA	NA
Fluoranthene	**21000**	E	**37000**	D	**200**	J	**770000**	E	**120000**	D	**22000**	E	**36000**	D	**190000**	E	**380000**	D	**750**		**1000**		50000	1900000
Pyrene	**23000**	E	**33000**	D	**160**	J	**840000**	E	**99000**	D	**27000**	E	**32000**	D	**240000**	E	**290000**	D	**620**		**870**		50000	665000
Benzo(a)anthracene	**15000**	E	**16000**	D	**110**	J	**540000**	E	**59000**	D	**15000**	E	**19000**	D	**150000**	E	**160000**	D	**240**	J	**490**		224	3000
Chrysene	**17000**	E	**19000**	D	**150**	J	**510000**	E	**58000**	D	**17000**	E	**18000**	D	**140000**	E	**150000**	D	**290**	J	**680**		400	400
Benzo(b)fluoranthene	**12000**	E	**14000**	D	**110**	J	**480000**	E	**46000**	D	**13000**	E	**15000**	D	**120000**	E	**130000**	D	**200**	J	**450**	J	1100	1100
Benzo(k)fluoranthene	**6800**		**8000**	D	**47**	J	**200000**		**28000**	D	**5200**		**6300**	D	**60000**		**66000**	D	**88**	J	**220**	J	1100	1100
Benzo(a)pyrene	**11000**	E	**11000**	D	**90**	J	**390000**		**41000**	D	**10000**		**12000**	D	**100000**	E	**110000**	D	**170**	J	**350**	J	61	11000
Indeno(1,2,3-cd)pyrene	**4500**		**4600**	DJ	**55**	J	**160000**		**16000**	D	**4400**		**4000**	D	**43000**		**40000**	DJ	**78**	J	**150**	J	3200	3200
Dibenzo(a,h)anthracene	**1800**		**1800**	DJ	ND		**65000**		**6500**	DJ	**1800**		**1800**	DJ	**18000**		**16000**	DJ	ND		**75**	J	14.3	» 10^8
Benzo(g,h,i)perylene	**4100**		**3900**	DJ	**64**	J	**150000**		**14000**	D	**4100**		**3700**	D	**42000**		**36000**	DJ	**83**	J	**150**	J	50000	800000

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which samples were analyzed

Qualifiers

E - Concentration exceeds the calibration range
D - Concentration obtained from diluted analysis
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 4
Soil TCLP Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5		TB206-9	TB207-9.5	TB208-9	TB209-9	TB210-9	Hazardous Waste
Lab Sample ID	E0658-05C		E0658-08C	E0658-09C	E0658-10C	E0658-11C	E0658-12C	Regulatory Levels
Sampling Date	5/18/2006		5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	for Toxicity
Sample Depth (ft)	8.5-9.5		9-10	9.5-10.5	9-10	9-10	9-10	Characteristics
Matrix	Soil		Soil	Soil	Soil	Soil	Soil	
Units	ug/Kg		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor	1		1	1	1	1	1	
TCLP VOCs								
Benzene	**3**	J	**160**	**88**	**6**	ND	ND	500
Trichloroethene	**2**	J	ND	ND	ND	ND	ND	500
Tetrachloroethene	**3**	J	ND	ND	ND	ND	ND	700

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which samples were analyzed

Qualifiers

TCLP - Toxicity Characterictic Leaching Procedure
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 5
Soil TCLP Semi-Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5		TB206-9		TB207-9.5		TB208-9		TB209-9	TB210-9	Hazardous Waste
Lab Sample ID	E0658-05A		E0658-08A		E0658-09A		E0658-10A		E0658-11A	E0658-12A	Regulatory Levels
Sampling Date	5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006	5/18/2006	for Toxicity
Sample Depth (ft)	8.5-9.5		9-10		9.5-10.5		9-10		9-10	9-10	Characteristics
Matrix	Soil		Soil		Soil		Soil		Soil	Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	ug/Kg	ug/Kg
Dilution Factor	1		1		1		1		1	1	
TCLP SVOCs											
2-Methylphenol	ND		**4**	J	**6**	J	**8**	J	ND	ND	NA
4-Methylphenol	**3**	J	**7**	J	**10**	J	**12**	J	ND	ND	NA

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which samples were analyzed

Qualifiers

TCLP - Toxicity Characterictic Leaching Procedure
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 6
Soil Cyanide Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5	TB205-6.5	TB206-9	TB207-9.5	TB208-9	TB209-9	TB210-9	TB210-9DUP	NYSDEC	NYSDEC
Lab Sample ID	E0658-05A	E0658-06A	E0658-08A	E0658-09A	E0658-10A	E0658-11A	E0658-12A	E0658-12A	Rec. Soil	Soil cleanup
Sampling Date	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	Cleanup	objectives
Sample Depth (ft)	8.5-9.5	6.5-7.5	9-10	9.5-10.5	9-10	9-10	9-10	9-10	Objective	to protect
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		GW quality
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1	1	1	1	1	1		
Cyanides										
Cyanide	**3.2** N	ND	**2.5** N	**0.54** BN	**4.7** N	**2.2** N	ND	**0.161** B	NA	NA

Qualifiers

N - Matrix Spike Recovery falls outside the control limit
B - Detected in associated method blank
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 7
Groundwater Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	MW103		MW103DL		NYSDEC
Lab Sample ID	E0658-13A		E0658-13ADL		Ambient Water
Sampling Date	5/18/2006		5/18/2006		Quality Standards
Matrix	Water		Water		& Guidance Values
Units	ug/Kg		ug/Kg		ug/l
Dilution Factor	1		8		
VOCs					
Acetone	**6**		ND		50
Carbon Disulfide	**5**		ND		50
Benzene	**360**	E	**400**	D	1
Toluene	**240**	E	**190**	D	5
Ethylbenzene	**10**		ND		5
m,p-Xylene	**120**		**82**	D	5
o-Xylene	**55**		**39**	DJ	5
Xylene (Total)	**170**		**120**	D	5
Styrene	**17**		**11**	DJ	5
1,3,5-Trimethylbenzene	**12**		ND		5
1,2,4-Trimethylbenzene	**29**		**19**	DJ	5
Naphthalene	**410**	E	**1100**	D	10

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which the sample was analyzed

Qualifiers

E - Concentration exceeds the calibration range
J - Analyte detected Below quantitation limits
D - Concentration obtained from diluted analysis
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Ambient Water Quality Standards & Guidance Values are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 8
Groundwater Semi-Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	MW103		MW103DL		NYSDEC
Lab Sample ID	E0658-13B		E0658-13BDL		Ambient Water
Sampling Date	5/18/2006		5/18/2006		Quality Standards
Matrix	Water		Water		& Guidance Values
Units	ug/Kg		ug/Kg		ug/l
Dilution Factor	1		10		
SVOCs					
Phenol	**240**	E	**270**	D	1
2-Methylphenol	**360**	E	**480**	D	NA
4-Methylphenol	**540**	E	**740**	D	NA
2,4-Dimethylphenol	ND		**1000**	D	50
Naphthalene	**730**	E	**1300**	D	10
2-Methylnaphthalene	**100**		**110**	D	4.2
Acenaphthylene	**72**		**77**	DJ	NA
Acenaphthene	**70**		**80**	DJ	20
Dibenzofuran	**31**		**32**	DJ	NA
Fluorene	**26**		**26**	DJ	50
Phenanthrene	**48**		**55**	DJ	50
Anthracene	**9**	J	ND		50
Carbazole	**29**		**28**	DJ	NA
Fluoranthene	**10**		ND		50
Pyrene	**9**	J	ND		50
Benzo(a)anthracene	**2**	J	ND		NA
Chrysene	**3**	J	ND		0.002
Benzo(b)fluoranthene	**2**	J	ND		0.002
Benzo(k)fluoranthene	**1**	J	ND		0.002
Benzo(a)pyrene	**2**	J	ND		0.002
Indeno(1,2,3-cd)pyrene	**1**	J	ND		0.002
Benzo(g,h,i)perylene	**1**	J	ND		NA

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which the sample was analyzed

Qualifiers

E - Concentration exceeds the calibration range
D - Concentration obtained from diluted analysis
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Ambient Water Quality Standards & Guidance Values are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Attachment 2

Previous Investigation Reports

BBL®
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Modified Phase I ESA

BBL®
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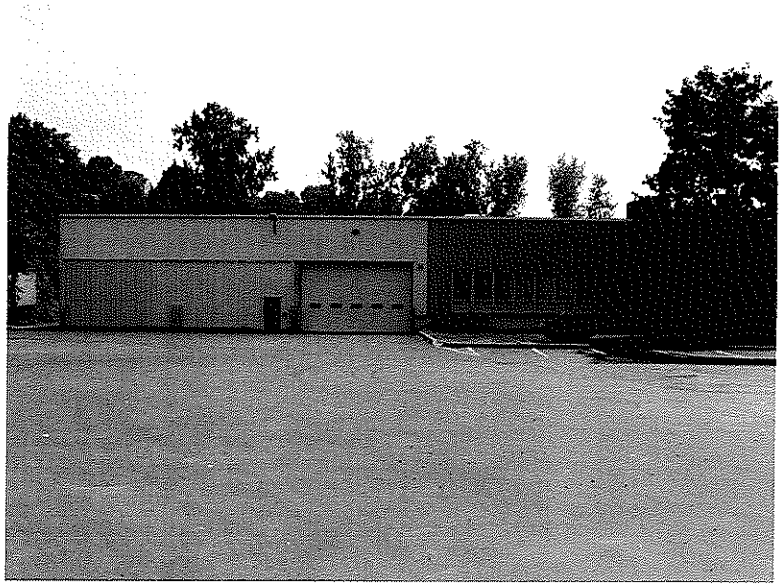
MODIFIED PHASE - 1 ENVIRONMENTAL SITE ASSESSMENT REPORT

FOR
1 WEST MAIN STREET
BEACON, NEW YORK 12508



PREPARED FOR:

DAY ENGINEERING, P.C.
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YU & ASSOCIATES, INC.
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September 29, 2005

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September 29, 2005
0507501

Day Engineering, P.C.
40 Commercial Street
Rochester, New York 14614-1008

Attn: Mr. Raymond L. Kampff

Re: **Metro North Agreement No. 201415**
Modified Phase I - Environmental Site Assessment
Dorel Hat Company (vicinity of Beacon Station)
1 West Main Street, Beacon, New York 12508

Dear Mr. Kampff:

In accordance with the proposal, dated June 29, 2005 under your authorization, YU conducted a Modified Phase-1 Environmental Site Assessment at the Dorel Hat property located on 1 West Main Street, in the City of Beacon, Dutchess County, New York. The accompanying report presents the details of the environmental site assessment activities conducted at the site.

The objective of this Modified Phase I program is to identify potential subsurface environmental liabilities for the site. The program is broadly composed of a two tasks; (1) Phase I Environmental Site Assessment (ESA) and (2) Pre Phase II Investigation involving limited soil borings with soil and groundwater sampling. The Phase I ESA was performed in general accordance with ASTM E 1527 including limited research, a review of historical Sanborn and Topographical maps, a listing search and site reconnaissance.

The report summarizes the findings relative to the existing potential presence, as of the dates of the latest site visit and records reviewed, of hazardous materials/wastes at the site at levels likely to warrant further investigation and mitigation measures pursuant to current New York State Department of Environmental Conservation (NYSDEC) regulations.

If there are any questions concerning the content of this report, or if we may be of further service, please contact the undersigned at your convenience.

Yours truly,

Charles McCusker, P.G., C.H.M.M.
Project Manager

Andrew Leung, P.E.
Vice President

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EXECUTIVE SUMMARY

YU & Associates (YU) on behalf of Day Engineering, P.C. (DAY), has completed this Modified Phase I - Environmental Site Assessment (ESA) program for the property located at 1 West Main Street (herein after designated as the "subject site") located in the City of Beacon, Dutchess County, New York. The site is comprised of an approx 32,000 square foot building situated on 3.8 acres approximately ¼ mile East of the Hudson River. A document provided by DAY titled 'Property Information', identified the subject site with Assessor Property Number (APN) 130200-5954-25-563911-0000. Figure 1, Site Location Map, identifies the site location on a USGS 7.5 minute quadrangle map. Figure 2, Tax Map depicts the site tax information.

The scope of work is broadly divided into Task 1 – Phase I ESA and Task-2 – Pre Phase II investigation. The ESA was performed in accordance with ASTM Standard E1527. The Pre-Phase II investigation involved conducting Geoprobe borings, based upon the Recognized Environmental Conditions (RECs) identified at the subject site, and collection and analysis of a limited number of soil and groundwater samples.

Task 1–ESA

The purpose of the ESA was to evaluate the potential concerns and determine the recognized environmental conditions (RECs), that involved the presence or likely presence of any hazardous substances or petroleum products on the subject site under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the site or into the ground, groundwater or surface water of the property.

Based upon site visits, site interviews and a review of relevant documentation, YU identified the potential concerns and evaluated them to determine the RECs at the subject site. Figure 3, Recognized Environmental Conditions Plan, depicts the approximate location of these potential concerns and RECs. These potential concerns and RECs are described below.

Potential Concern 1 (REC 1) - Off Site Migration: The Dorel Hat property was subdivided and a portion of the former Dorel Hat Property was sold to Metro North for development as a Parking Lot. Based on a review of the Parsons Brinckerhoff Quade & Douglas (PBQD) reports for the adjoining property to the South and West (Former Dorel Hat Property), contamination of the soil (PAHs, metals) and groundwater (metals) exists at concentrations above NYSDEC criteria on this adjoining property. Mercury contamination was identified at "hazardous concentrations" in boring MNR-DH3 (adjacent to the southwest corner of the subject property). The possibility of contaminant migration from off site sources (adjoining property) on to the subject site exists and is considered to be a recognized environmental condition. This REC was investigated as part of the Pre-Phase II investigation.

Potential Concern 2 (REC 2) - Blow Down Area: A steam blow down area on the East side of the Dorel Hat Building was noted that discharged directly to the ground surface on the East side of the building. This presents a material threat of release of contaminants to soil, surface water

and groundwater and is considered to be a recognized environmental condition. This REC was investigated as part of the Pre Phase II investigation.

Potential Concern 3 (REC 3) - Drums and Abandoned Equipment Storage: Two (2) 55-gallon drums were noted in the area used to store drums and abandoned equipment, located to the north of the paved parking lot. Staining was observed on the ground in close proximity to the drums. This indicates a past release and the material threat of a release and the potential for soil and groundwater contamination in this vicinity and is considered to be a recognized environmental condition. This REC was investigated as part of the Pre-Phase II investigation.

Potential Concern 4 - Floor Sumps: Two floor-sumps were observed inside the Dorel Hat Building. One floor sump is located in the loading dock area, on the northern side of the building. Another sump was noted at the entrance of a room housing hat molding equipment, located to the East of the manufacturing area, inside the building. These sumps are reportedly lined with concrete and pumped out intermittently. The possibility of contaminated water collecting in the sumps and leaking poses a material threat of soil and ground contamination in these areas. Based on field observations of the sump integrity and site interviews further evaluation of these potential concerns was deemed unnecessary.

Potential Concern 5 - Chemical Storage and Use Area: A five (5) gallon pail of a water based adhesive "# 2476 Stixit" was noted inside the Dorel Hat Building. A 55-gallon drum labeled as 'Chem Power' was also observed inside the Dorel Hat Building. Potential spills of these chemicals pose a material threat of a release and are considered to be potential concerns. Based on visual observations no spills or leaks from these containers was evident and further evaluation was deemed unnecessary.

Potential Concern 6 - Transformer: A transformer without a 'non-PCB' label was noted at the Southeast corner of the Dorel Hat Building, near the 'Blow Down Area'. The possibility of the transformer containing PCBs exists. This poses a material threat of PCB contamination in this vicinity and is considered to be a potential concern. Based on visual observations the transformer appears to be in good condition and no evidence of leaks were observed. Further evaluation of the transformer was deemed unnecessary.

Potential Concern 7 - Fluorescent Light Ballasts: Fluorescent Light Ballasts were observed inside the Dorel Hat Building, indicating the possible presence of PCBs in the light ballasts. This poses the material threat of a release and the possibility of PCB contamination and is considered to be a potential concern. If removed from the site these ballasts should be handled appropriately. Further evaluation of these ballasts was deemed unnecessary.

Potential Concern 8 - Dumpster: A dumpster for municipal solid waste was observed near the loading dock area to the North of the building. The dumpster is located in an unsecured location and the possibility for disposal of hazardous substances or petroleum products exists at this location. A material threat of a release to the ground in or around the dumpster exists, therefore the dumpster is considered to be a potential concern. There were no visual indications of spills in the dumpster vicinity and further evaluation was deemed unnecessary.

Potential Concern 9 (REC 4) - Vehicle Storage Area: A vehicle storage area was noted on the eastern side of the paved parking lot. The area is currently leased to Palisi Auto Body Shop, located at the adjoining property, 7 West Main Street. The area is used to store vehicles visiting the auto body shop for repair. Due to a material threat of oil and other vehicular fluid leaks from the damaged vehicles, the area is identified as a recognized environmental condition. Further evaluation of this area should be performed as part of a Phase II investigation.

Potential Concern 10 (REC 5) - Historical Use: Based on a review of Sanborn maps, two coal companies (Harry Hopper Coal Company, Dutchess Coal Company) existed at the location of the subject site. Railroad tracks are shown running through the subject property. A steel vulcanizing chamber, constructed on concrete piers appears to extend into the subject property in the 1962 Sanborn Map. It is possible that hazardous materials were used and disposed by these industrial units. This indicates the possibility of soil, surface water and groundwater contamination in the past, this area is identified as a recognized environmental condition. Further evaluation of this area should be performed as part of a Phase II investigation.

Based on the findings of the Phase-I ESA, ten (10) Potential Concerns and five (5) RECs were identified at the subject site. The Potential Concerns and RECs and their approximate locations are depicted in Figure 3, Recognized Environmental Conditions Plan. As a limited scope of work for the Pre-Phase-II investigation, the RECs most likely to present a threat of contamination were investigated. Out of the five (5) RECs identified at the subject site, REC 1 Off-Site Migration, REC 2 Blow Down Area, and REC 3 Drums and Abandoned Equipment Storage Area warranted subsurface investigation as part of the Pre Phase II investigation. Potential Concerns 4 through 8 did not warrant further investigation based on the Phase I observations. Potential Concerns 9 and 10 (RECs 4 and 5) would be evaluated as part of a Phase II investigation.

Task 2–Pre Phase II Investigation

Per our June 29, 2005 proposal, the Pre Phase II investigation was carried out at the subject site on August 4th, 2005. A total of four (4) borings (B-1 through B-4) were advanced at the subject property. These borings were performed using a Geoprobe 66DT. Six (6) soil samples and one (1) groundwater sample were collected. The samples collected and analyzed are summarized in Table 1, Sampling Summary. The boring locations are depicted on Figure 3, Recognized Environmental Conditions Plan. Boring B-1 was advanced to investigate the subsurface conditions in REC 2 (Blow Down Area). Boring B-2 was advanced to investigate the subsurface conditions related to potential off site migration (REC 1) from the property to the south. Borings B-3 and B-4 were advanced to investigate the subsurface conditions in the vicinity of the Drums and Abandoned Equipment Storage Area (REC 3).

The soil samples were analyzed for Volatile Organics, Base/Neutrals, Metals, Pesticides/PCBs, Cyanides and Phenols. The groundwater sample was requested for TCL-VO, TCL-SVOC and TCL- Pesticides/PCBs analyses. Metals analysis was not requested on the Chain of Custody form; however, a sample container was collected. The laboratory analyzed the sample for metals without authorization.

Preliminary results for volatile organic analysis, semi volatile organic analysis, PP metals, Pesticides/PCBs, Cyanides, and Phenols for soil samples have been provided by Mitkem. Table 2 to Table 6 present the summary of soil analytical results. The preliminary results indicate the presence of volatile organics, semivolatile organic compounds, metals, and Total Phenols in the soil sample B1-6.0 (REC 2 Blow Down Area) at concentrations exceeding NYSDEC Recommended Soil Cleanup Objectives. The preliminary results also show the presence of metals in the soil samples B2-5.0 (REC 1 Off Site Migration) and B-4-0.5 (REC 3 Drums and Abandoned Equipment Storage) at concentrations exceeding NYSDEC Recommended Soil Cleanup Objectives.

Groundwater was not encountered in borings B-2 and B-4. Groundwater in boring B-1 was encountered at 3.8 ft below ground surface. Based on the depths of borings B-2 and B-3, this may indicate a perched water table condition in this location. Groundwater was encountered at 12.5 feet in boring B-3. Groundwater sampling was attempted but only a small amount of water (< 500 ml) was obtained before the flow of water stopped. Based on the field observations, the water in this boring appears to be perched water of limited thickness overlying the fine-grained material beneath. Preliminary results for volatile organic analysis, semi volatile organic analysis, metals, and Pesticides/PCBs for groundwater sample B1-GW (REC 2 Blow Down Area) have also been provided by Mitkem. Table 7 to Table 10 present the summary of groundwater analytical results. The preliminary results indicate the presence of volatile organics, semivolatile organic compounds, metals and a pesticide (heptachlor epoxide) in the groundwater sample at concentrations exceeding NYSDEC Ambient Groundwater Standards.

Recommendations

Based on the Pre-Phase II investigation results, further evaluation of the REC 1 (Off Site Migration) and REC 3 (Drums and Abandoned Equipment Storage) is unnecessary. REC 1 was investigated primarily to determine if mercury contamination existed on the subject property. Based on the analytical results mercury contamination above the NYSDEC Recommended Soil Cleanup Objects is not present in this vicinity. REC 3 was investigated to evaluate the presence of soil contamination related to the staining evident in the vicinity of the Drums. The analytical results did not indicate organic contamination in this vicinity. Metals (beryllium, chromium, copper, nickel and zinc) concentrations exceed the NYSDEC Recommended Soil Cleanup Objectives in samples from both of these areas. However, no determination has been made as to whether or not these concentrations exceed site background. Based on the metals concentrations in these areas, protection of human health and the environment can be addressed with engineering controls (cap).

Based on the presence of volatile organics, semi volatile organic compounds, metals and Total Phenols in soil sample B1-6.0 (REC 2 Blow Down Area), at concentrations above the NYSDEC Recommended Soil Cleanup Objectives, we recommend delineation of volatile organics, semi volatile organic compounds, phenols and metals contamination in soil in the vicinity of the Blow Down Area with a Phase II investigation.

Based on the presence of volatile organics, semi volatile organic compounds, metals and a pesticide (heptachlor epoxide) in the groundwater sample B1-GW (REC 2 Blow Down Area) at concentrations exceeding NYSDEC Ambient Water Quality Standards and Guidance Values, we

recommend a groundwater investigation to characterize the site hydrogeologic conditions and delineation of volatile organic, semi volatile organic, metals and pesticide contamination in groundwater with a Phase II investigation.

The automobiles stored in the Vehicular Storage Area should be moved in order to facilitate a Phase II investigation. The Phase II investigation should include subsurface exploration including soil sampling for Volatile organic, semi volatile organic and metals contamination.

It is possible that hazardous materials were used and disposed of on site during previous site operations. A site wide subsurface investigation is also recommended to evaluate potential contamination associated with historical use. Soil and groundwater samples should be collected as part of the Phase II investigation for volatile organic, semi volatile organic, pesticide/PCBs, metals, phenols and cyanide analyses.

1.0 INTRODUCTION

1.1 Background Information

This report presents the results of Modified Phase I Environmental Site Assessment (ESA) program for the property located at 1 West Main Street, in City of Beacon, Dutchess County, New York. The Modified ESA was performed for Day Engineering P.C. during the period from July 12, 2005 to the present. The scope of services was provided as agreed to and outlined in our June 29, 2005 proposal. The services performed included limited research, a review of specified listings, site reconnaissance including interviews with property owners, and limited number of soil borings.

1.2 Objectives and Scope of Work

The purpose of this modified ESA was to identify the potential concerns and determine the recognized environmental conditions (RECs), that involve the presence or likely presence of any hazardous substances or petroleum products on the subject site under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the site or into the ground, groundwater or surface water of the site.

The scope of work is broadly divided into Task 1 – Phase I ESA and Task-2 – Pre Phase II investigations, as follows:

Task 1 – Phase I ESA

- Determination of Site history through a review of reasonably ascertainable standard sources, such as Sanborn Fire Insurance Maps, Historical Topographical Maps, City Directory and Aerial Photographs.
- A review of listings contained within Federal and State environmental databases and other local agency records, within specific search distances.
- A visual observation of current conditions at the site and evidence of past waste disposal activities and interviews with appropriate site personnel regarding details of past activities at the property.
- A reconnaissance of the adjoining properties from public thoroughfares to evaluate the presence of entities that potentially use, store, generate, or dispose of hazardous materials or hazardous wastes.
- Documentation of site environmental conditions and identification of RECs.

Task 2 – Pre Phase II Investigation

- Limited site investigation based on the RECs identified in Task-1. Performance of soil borings, collection of a specific quantity of soil and groundwater samples and laboratory testing.
- Interpretation of analytical results, summarization of findings and determination of the recommendations.
- Submittal of a Modified Phase I – Environmental Site Assessment report.

1.3 Limitations

YU has prepared this Modified Phase I-ESA Report using reasonable efforts in each phase of its work to identify RECs associated with hazardous substances, wastes, and petroleum products at the Site. The methodology used by YU to conduct the Phase I-ESA was consistent with the ASTM Standard Practice E1527. Findings within this report are based on information collected from observations made on the days of the site reconnaissance, site interviews and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition or other construction purposes. YU makes no representation or warranty that the past or current operations at the Site are or have been in compliance with all applicable Federal, State, or local laws, regulations, and codes.

Regardless of the findings stated in this report, YU is not responsible for consequences or conditions arising from facts that were concealed, withheld, or not fully disclosed at the time the evaluation was conducted. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not inspected.

The regulatory database report provided (Appendix-A) is based on an evaluation of data collected and compiled by Toxics Targeting Inc., a data research company. The regulatory research is designed to meet the requirements of ASTM Standard Practice E1527. The information provided in the regulatory database report is assumed to be correct and complete. The report focuses on the Site and neighboring properties that could impact the Site. Adjoining properties listed in government environmental records are identified within specific search distances. The search distance varies depending upon the particular government record being checked.

As mentioned in our proposal dated June 29, 2005, the assessment of other environmental compliance issues, including asbestos and LBP (Lead Based Paint), will be addressed by LeadCare, a consultant of Metro North under a separate program.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The site is located to the Southwest of the intersection of Main Street and River Street, in the City of Beacon, Dutchess County, New York. Based on the information provided, the site is comprised of an approx 32,000 square foot building situated on 3.8 acres approximately ¼ mile East the Hudson River. The facility is owned by CCJM Realty, LLC. The approximate location, along with the topography of the area is presented on a copy of a portion of the USGS Wappingers Falls, Quadrangle, 7.5 Minute Series Topographic Map, Figure 1. The limits of the subject site and the property block, lot and tax numbers are depicted in Figure 2, Tax Map, based on the survey provided by DAY.

2.2 Vicinity Characteristics

The subject site is located within a mixed residential/commercial/industrial area. The properties adjoining the site consist of two-story residential dwellings to the East across River Street, a paved parking lot and a drums and abandoned equipment storage area to the North, a parking lot for Beacon Station to the West and a vacant lot to the South with construction activities in progress. At the Northeast corner of the paved parking is a commercial property owned by Arthur Dominicis, C.P.A housing owner's offices, Palisi Auto Body Shop and John Joseph Welding and Fabrication Shop.

The subject site is occupied by a one-story building owned by CCJM Realty, LLC (Dorel Hat Company). The building houses Dorel Hat Company's corporate offices as well as assembly, sales, and some warehousing.

2.3 Information Provided by Client / Owner

The information provided by the Client is as follows:

- Survey Map/Tax Information
  DAY provided YU with an undated document titled 'Property Information' pertaining to the subject site. The document identified the subject site with Assessor Property Number (APN) 130200-5954-25-563911-0000, and the site use is stated to be 'Industrial (NEC)'. The document depicted the owner of the property to be CCJM Realty, LLC and the property was sold by the owner in December, 2002. The buyer's details are not available in the document. The document is presented in Appendix-B.

  DAY also provided YU with a survey depicting the location and tax information for the subject site. The survey entitled 'Acquisition in Fee Title for Beacon Commuter Parking Extension Project', dated February 28, 2002, and prepared by WELSH Engineering and Land Surveying, P.C. The referenced survey is presented in Figure 2, Tax Map. Based on Figure 2, Tax Map, and a discussion with personnel conducting utility mark-out at the subject site, an underground sanitary sewer force main exists to the East of the Dorel Hat Building.

- Aerial Photographs
  DAY provided YU with two undated aerial photographs depicting the subject site. The two aerial photographs are presented in Figure 4 and Figure 5

- Previous ESAs
  DAY provided YU with a previous Phase-1 Environmental Site Assessment for 'Beacon Station Expansion Sites, One West Main Street and 7-11 Beekman Street' performed by Parsons Brinckerhoff Quade & Douglas (PBQD) and presented in a report dated July 24, 2001.

  DAY also provided YU with a previous Phase-II Subsurface Investigation report for 'Beacon Station Parking Facility Expansion' for a parcel of land located at One West Main Street, performed by PBQD and presented in a report dated January, 2002.

A representative of YU met Mr. Salvator Cumella, one of the co-owners of the site during site reconnaissance on June 22, 2005. Two representatives of YU met Mr. Raymond Morano, the second co-owner of the site during site reconnaissance on August 2, 2005. The information obtained from the two site interviews is as follows.

- Site Interviews
  The site interview was designed to obtain information regarding general site characteristics, and various environmental concerns including hazardous materials, spills or leaks in the past, air emissions and waste management at the site. A site interview questionnaire prepared by YU was filled out and is presented in Appendix C of this report.
- Underground storage tanks records
  No underground storage tanks (USTs) are located on the premises of the subject property. No records indicate the presence of USTs at the subject site.
- Aboveground storage tanks records
  No above ground storage tanks (ASTs) are located on the premises of the subject property. No records indicate the presence of ASTs at the subject site.
- Community right to know plan/safety plans, spill plans, etc.
  No information or records were available relevant to the Community Right to Know requirements.
- Hydrogeologic/geotechnical reports
  The soil at the subject site generally consists of fill material composed of sand, gravel and silt near the surface, underlain by fine grained soils, silts and clays. See Section 9.0 for references and section 3.2 for further description of the subsurface conditions.
- Government agency violations, liens, environmental liability/proceedings
  YU submitted requests under Freedom of Information Act (FOIA) with state and local agencies including NYSDEC Region-3, City of Beacon Building and Fire Departments and Dutchess County Department of Health. Based on a review of available documents, no violations were reported on the site. The copies of FOIA requests and response letters are presented in Appendix D.
- Other documents relating to recognized environmental conditions
  No other documents related to RECs were available.

3.0 PHYSICAL SETTING SOURCES

3.1 Topography

The subject site is depicted in Figure 1, Site Location Map, on a United States Geological Survey (USGS) 7.5-minute, Wappingers Falls, New York Quadrangle, dated 1981. The site is at an approximate elevation of 10 feet to 15 feet based upon the National Geodetic Vertical Datum (NGVD) of 1929. The topography of the area surrounding the subject site shows general surface elevation sloping towards west. Relatively mild slopes are observed to the west of the subject site, with slope getting steeper to the East of the subject site.

3.2 Geology/Hydrogeology

Site geologic and hydrogeologic information for this report was obtained from numerous sources listed in "Section 9.0 REFERENCES" of this report. Prior to the Taconic orogeny, the "east" coast of what is now the United States was located near the Hudson River valley, Philadelphia, Washington, DC and extended to western South Carolina. The Taconic Orogeny added land to Proto North America that is now the western portions of New England and the Canadian Maritime provinces. This collision added land and raised mountains southward through northern New Jersey, south-eastern Pennsylvania, Virginia and North Carolina. The orogeny ended about 445 million years ago.

The Taconic Orogeny began in Cambrian time (about 480 million years ago) and ended around Late Ordovician time (about 440 million years ago). During the Taconic Orogeny a small landmass, similar in size to modern Japan, was accreted onto the North American continent in the southern New England. Before and during this orogeny, sedimentary deposits formed on the margins of both the North American continent, and within an intervening deep marine basin. Today, these sedimentary rocks form the core of the Taconic Mountains (east of the Hudson River, generally north of the Tappan Zee Bridge). As with most mountain-building episodes vulcanism occurred concurrently with tectonism. Igneous intrusions occurred throughout the New England region. Heat and pressure associated with deep burial and tectonic deformation converted sedimentary and igneous rocks to metamorphic rocks (marble, quartzite, phyllite, schist, and gneiss).

Surficial Deposits

The bedrock in the site vicinity is blanketed with unconsolidated deposits. These sediments may consist of a combination of fill, alluvium, outwash and glacial till. Fill material may include any combination of imported non-indigenous materials or reworked native materials that are a direct result of the actions of man. The alluvium is the result of deposition of Hudson River sediments. Outwash consists of sand and gravel and is a result of glacial meltwaters that flowed from the front of the glaciers as the ice melted. Glacial Till is an unsorted mixture of mud, sand, gravel cobbles and boulders. Based on previous reports, the unconsolidated deposits on the site are thought to be on the order of 10 to 20 feet thick.

Bedrock

The bedrock in the area of the site consists of sedimentary, igneous and metamorphic rocks. The sedimentary rocks are predominantly shale and limestone. Large masses of granite dominate the

eastern and western sections of the immediately surrounding area. Granite forms the mountains to the south. Metamorphic rocks consist of slate and chert, although quartzite and gneiss are present along the mountains to the south. The site is underlain by the Austin Glen Formation which is Middle Ordovician in age and part of the Trenton Group and comprised of graywacke and shale.

Hydrogeology

Based on topography and the site's proximity to the Hudson River, groundwater on the site is assumed to flow to the West. Based on this investigation, groundwater is approximately four (4) feet below grade, on the eastern side of the property and approximately 12.5 feet below grade inside the drums and abandoned equipment storage area. The aquifer systems in the Fishkill-Beacon area consists of the following lithologic units: (1) sand and gravel aquifer (avg. yield 189 gpm), (2) shale, slate, graywacke and chert aquifer (avg. yield 30 gpm), (3) limestone and dolomite aquifer (avg. yield 152 gpm), and (4) granite and gneiss aquifer (avg. yield 16 gpm).

3.3 Historical Topographic Map Review

The following discussion is based upon YU's review of USGS Historical Topographic maps provided by EDR for years 1903, 1943, 1947, 1956 and 1981. The review is organized in chronological order of mapping dates.

The following discussion is based upon YU's review of USGS Historical Topographic maps provided by EDR for years 1903, 1943, 1947, 1956 and 1981. The review is organized in chronological order of mapping dates. The maps are presented in Appendix-E of this report.

1903 Topographic Map

A review of this 1: 62,500 scale map (15 minute) indicates that Railroad line exists at this time along the Hudson River, to the west of the City of Beacon. The Railroad line appears to be located over the water in some locations. A few jetties are observed in the Hudson River, to the west of the site. The subject site does not appear to be developed at this time. The City of Beacon appears to have limited development at that time.

1943 Topographic Map

A review of this 1: 62,500 scale map (15 minute) depicts more development in the city and the vicinity of the site compared to 1903 map. Jetties are observed in the Hudson River, to the west of the site, similar to the 1903 map. The subject site does not appear to be developed at this time. A number of new streets and roads are observed. Although difficult to make out, a structure appears to exist on the subject property. The Railroad line appears to be on the ground surface indicating Filling along the Hudson River Bank.

1947 Topographic Map

A review of this 1: 24,000 scale map (7.5 minute) shows more development in the vicinity of the site. The subject site appears to be vacant at this time. A group of Railroad tracks is now evident at Beacon Station. Railroad tracks appear to run through the subject site. A number of new structures, although not clear about their type and use, are observed in the vicinity of the subject site.

1956 Topographic Map
A review of this 1:24,000 scale map (7.5 minute) indicates numerous new buildings along Main Street. Well defined city boundaries are also observed. Three circular entities are observed to the Southwest of the subject site, representing a possible chemical/petroleum bulk storage facility. A pie-shaped building is observed to the Northeast of the subject site. Some of the Railroad tracks appear to have been removed.

1981 Topographic Map
A review of this 1: 24,000 scale map (7.5 minute) indicates numerous new buildings in the vicinity of the subject site, compared to the 1956 map. The Dorel Hat Company Building is now present on the subject site. The map shows a new highway I-84 North of the City of Beacon. Three circular entities are observed to the Southwest of the subject site, representing a possible chemical/petroleum bulk storage facility.

3.4 Physical Setting Analysis

Based upon our review of the site area and the presence of surface water bodies shown on the above referenced maps, it is estimated that groundwater flow direction is generally towards the Hudson River. The estimated groundwater flow direction is utilized for the purpose of establishing potential off-site sources that may impact the subject site. Due to local variations and groundwater flow resulting from various natural and man-made factors, inferred groundwater flow at the subject site and adjoining sites may vary.

3.5 Review of Aerial Photographs

YU requested historical aerial photographs from EDR for the site and surrounding areas, however it was reported that 'EDR searched its own collection or select outside repository collections of aerial photography and based on client supplied information, aerial photography including the target property was not deemed reasonably ascertainable (ASTM E1527-00) by Environmental Data Resources, Inc. (EDR)'.

3.6 Review of Sanborn Fire Insurance Maps

The following discussion is based upon YU's review of Sanborn Fire Insurance Maps provided by EDR for years 1884, 1889, 1896, 1904, 1912, 1919, 1927, 1946 and 1962. The review is organized in chronological order of map dates. The Sanborn Maps are presented in Appendix-F of this report.

3.6.1 Site

1884 Sanborn Map
Based on a review of 1884 Sanborn Fire Insurance Map, the location of the subject property appears to be part of the Hudson Straw Works site, which is comprised of the current Palisi Auto Body Shop property, Dorel Hat property, and a portion of the Metro North Parking Lot. The map indicates a vacant area at the location of the subject property.

1889 Sanborn Map
Based on a review of 1889 Sanborn Map, the location of the subject property appears to be part of the Hudson Straw Works site, which is comprised of the current Palisi Auto Body Shop property, Dorel Hat property, and a portion of the Metro North Parking Lot. The map indicates a vacant area at the location of the subject property.

1896 Sanborn Map
Based on a review of 1896 Sanborn Map, the location of the subject property appears to be part of the W. N. Campbell Sash. Door and Blind Factory site, which is comprised of the current Palisi Auto Body Shop property, Dorel Hat property, and a portion of the Metro North Parking Lot. The map indicates a vacant area at the location of the subject property.

1904 Sanborn Map
Based on a review of 1889 Sanborn Map, the location of the subject property appears to be part of the Federal Glue Company site, which is comprised of the current Palisi Auto Body Shop property, Dorel Hat property, and a portion of the Metro North Parking Lot. The map indicates a vacant area at the location of the subject property.

1912 Sanborn Map
Based on a review of 1912 Sanborn Map, the location of the subject property appears to be a part of a the Gillette Rubber Company site comprised of the Palisi Auto Body Shop property, Dorel Hat property, and a portion of the Metro North Parking Lot. The map indicates a vacant area at the location of the subject property.

1919 Sanborn Map
Based on a review of 1919 Sanborn Map, the location of the subject property appears to be a part of the area to the south of Beacon Tire Company site, comprised of the Dorel Hat property, and a portion of the Metro North Parking Lot. A vacant area appears at the location of the subject property. The map indicates property boundaries of the Beacon Tire Company site, located to the Northeast of the subject property.

1927 Sanborn Map
Based on a review of 1927 Sanborn Map, the location of the subject property appears to be a part of the area to the south of Beacon Tire Company site, comprised of the Dorel Hat property, and a portion of the Metro North Parking Lot. The map indicates property boundaries of the Beacon Tire Company site. The map shows Harry Hooper Coal Company consisting of a one-story building for coal storage and a two-story building for office space on the subject property. Railroad tracks appear to run through the property.

1946 Sanborn Map
Based on a review of 1946 Sanborn Map, the location of the subject property appears to be a part of the area to the south of Hammond Paint and Chemical Company site, comprised of the Dorel Hat property, and a portion of the Metro North Parking Lot. The map indicates property boundaries of the Hammond Paint and Chemical Company site. The map shows Duchess Coal Company occupying the building previously occupied by Harry Hopper Coal Company. The

building is located on the subject property. A one-story building storing coal is located north of the Duchess Coal Company. The two buildings are inferred to be coal heated. Railroad tracks are shown running through the subject property.

1962 Sanborn Map
Based on a review of 1962 Sanborn Map, the location of the subject property appears to be a part of the area to the south of Inflated Products Company site comprised of the Dorel Hat property, and a portion of the Metro North Parking Lot. The map indicates the property boundaries of the Inflated Products Company site. A steel vulcanizing chamber, constructed on concrete piers appears to extend into the subject property. Railroad tracks are shown running through the subject property.

3.6.2 Adjoining Properties

1884 Sanborn Map
The 1884 Sanborn map indicates that adjoining property to the Northeast of the subject site is occupied by Hudson Straw Works. The site consists of a two-story building housing a packing and shipping office on the first floor and a serving hall on the second floor. The map depicts 'Dry Houses" and "Dye Stuff" in the basement of the building. The building is inferred to be coal heated. The map indicates that River Street to the East of the site was formerly known as Hudson Street.

The map indicates several buildings to the East of the site, at the Northeast corner of the intersection of Main Street and Union Street. The buildings appear to house various industrial and commercial entities including 'Dutchess Hat Works'. An underground gasoline storage tank is depicted to the North of these buildings. Several two to three-story dwellings are shown in the general vicinity of the subject site. A coal shed and a storage building belonging to Dutchess Hat Works are located along the Hudson River, Northwest of the site. Further North of the coal shed is Fishkill Landing Machine Company, consisting of one to two-story buildings housing a foundry shop, a machine shop, a pattern shop, a storage area and a boiler shop. Two coal bins are observed at the same site.

1889 Sanborn Map
The 1889 Sanborn map shows that adjoining property to the Northeast of the subject site is occupied by two (2) three-story buildings belonging to Hudson Straw Works.

The map shows Fishkill Landing Machine Company to the Northwest of the subject site. Dutchess Hat Works is shown across Main Street to the Northeast of the subject site. The gasoline UST shown in 1884 map is not shown here, indicating it may have been removed some time between 1884 and 1889. A Gas Holder with 12,000 cubic feet capacity is shown to the Southeast of the subject site. The Gas Holder site appears to be a part of Phoenix Gas Company, developed after 1889, shown in the 1896 Sanborn Map. Several two to three-story dwellings are shown in the general vicinity of the subject site, similar to 1884 map.

1896 Sanborn Map

The 1896 Sanborn Map indicates that the adjoining property to the Northeast of the subject site is occupied by a three-story building. The building houses "wood working machinery" at the second floor. The portion to the west of the building is shown to be occupied by W. N. Campbell Sash., Door and Blind Factory. The factory is depicted as not in operation. Part of the building shown in 1889 Sanborn Map appears to have been demolished sometime before 1896.

The map shows Phoenix Gas Company to the south of the subject site and east of River (Hudson) Street. Two above ground gasometers are observed at the same location. The capacities of gasometers are shown as 12,000 cu. ft. and 17,200 cu. ft. respectively. No other significant changes are observed in the vicinity of the subject site.

1904 Sanborn Map

The 1904 Sanborn Fire Insurance Map indicates that the three-story building on the adjoining property to the Northeast is now occupied by Federal Glue Company. The map shows 'Liming and Boiling' operations in the basement, 'Packing' on first floor, 'washing' on second floor, and 'drying' on third floor of the building. The map indicates that the building uses coal for heat and steam. New buildings are observed to the West of the three-story building. The map shows two boilers housed inside one of new buildings.

The map shows Fishkill and Matteawan Gas Company now occupies the location of Phoenix Gas Company shown in 1896 map. Two gasometers are observed at locations similar to the ones shown in 1896 map. However, a new 32,000 cu. ft. gasometer is shown in place of the old 17,200 cu. ft. gasometer. The map indicates a change in the orientation of the two gasometers compared that in the 1896 Sanborn Map. New York, New Haven & Hartford Railroad Shops are located along the Hudson River Southwest of the subject site. A water tank with a capacity of 20,000-gallons is shown near the railroad shops. Also observed is a locomotive turntable at the same site.

1912 Sanborn Map

The 1912 Sanborn Map depicts that the three-story building to the Northeast of the subject site, is occupied by Gillette Rubber Company, an automobile tire manufacturing company. The building houses a 'mill room' in the basement, and 'packaging', 'tire room', and 'storage' on the first, second and third floors respectively. Two boilers are again shown at same location as in 1904. The map indicates that the building uses coal for heat and steam. Two buildings to the south of three-story building are used as an office and for storage.

The map also indicates that Southern Dutchess Gas & Electric Company now occupies the location of Fishkill and Matteawan Gas Company and an additional lot formerly occupied by a dwelling shown in 1904 map. A total of three gasometers are observed, out of which two are the same as ones noted in 1904 map. The third gasometer appears to be larger than the existing gasometers, although its capacity could not be ascertained.

1919 Sanborn Map

The 1919 Sanborn Map depicts a two-story building with basement, to the Northeast of the subject site. The building is now occupied by Beacon Tire Company, Inc. The map indicates that

tire and tubes were manufactured at the site. The building houses a 'Tire room' and a 'Shipping room' on the first and second floors respectively. The map indicates that the building uses coal for heat and steam. New railroad tracks have been constructed to the West of the subject property.

The area in the vicinity of the site is divided into numerous lots unlike those in previous years. Southern Dutchess Gas & Electric Company is shown at the same location as shown in the 1912 map. Only two gasometers are observed on the plan, with the 12,000-gallon gasometer no longer present.

1927 Sanborn Map
A review of 1927 Sanborn Map indicates that the two-story building located Northeast of the subject site is occupied by 'Beacon Tire Company'. The plant is shown as not in operation. The Newburg Ferry Port is shown to the west of the site on the bank of the Hudson River.

1946 Sanborn Map
The 1946 Sanborn Map indicates that the building located Northeast of the subject site, houses Hammond Paint and Chemical Company on the first floor and a garment factory on the second floor. The New York Central and Hudson River Railroad Yard and Newburg Ferry Port are shown to the West of the site.

1962 Sanborn Map
The 1962 Sanborn Map indicates that Inflated Products Company now occupies the subject property and the property to the Northeast. The facility is indicated to obtain heat from 'Steam Power' and electricity from 'Fuel Oil'. A steel vulcanizing chamber, constructed on concrete piers, appears to extend into the subject property.

The map also shows The New York Central and Hudson River Railroad Yard and Newburg Ferry Port to west of the subject site. A number of Fuel Oil Tanks are shown on the southern side of Ferry Street, to the Southwest of the subject site. A Coal Yard is now indicated east of the Fuel Oil Tanks, across Ferry Street

3.7 Site Tax Information

DAY provided YU with an undated document titled 'Property Information' pertaining to the subject site. The document identified the subject site with Assessor Property Number (APN) 130200-5954-25-563911-0000, and the site use is stated to be 'Industrial (NEC)'. The document depicted the owner of the property to be CCJM Realty, LLC and the property was sold by the owner in December, 2002. However, the buyer's details are not available in the document.

DAY also provided YU with a survey titled 'Acquisition in Fee Title for Beacon Commuter Parking Extension Project', dated February 28, 2002, and prepared by WELSH Engineering and Land Surveying, P.C. The survey identified the subject site with tax parcel number 5954-25-563911. The survey depicted a 1 story concrete block building housing Dorel Hat Factory. The tax information for subject site and surrounding areas is shown in Figure 2, Tax Map.

4.0 ENVIRONMENTAL RECORD REVIEW

4.1 Standard Environmental Record Sources

YU reviewed the latest information from federal, state and local agencies with regards to potential environmental contamination, as compiled in a report prepared by Toxics Targeting, Inc. dated June 27, 2005. A copy of the radius search report is presented in Appendix A. A review of the standard environmental record sources is presented in Table 4.1.

Table 4.1 Findings of Environmental Database Search

Database	Date of Database	Search Radius	No. of Listings
USEPA National Priority List (NPL)	07/27/2004	1 mile	0
USEPA Comprehensive Environmental Response, Compensation, and liability information System (CRECLIS)	07/14/2004	1 mile	2
USEPA Resource Conservation and Recovery Information System (RCRIS) Hazardous Waste Treatment, Storage, Disposal (TSD) Sites	06/14/2004	1 mile	0
New York Inactive Hazardous Waste Disposal Site (HWS)	08/20/2004	1 mile	3
New York Hazardous Substance Waste Disposal Sites	05/16/2000	1 mile	1
New York Solid Waste Facilities Registry – including New York City 1934 Sites.	12/31/2001	1 mile	4
New York State Major Oil Storage Facilities.	01/01/2002	1 mile	1
Brownfield Sites	01/21/2005	1 mile	6
New York State Toxic Spills Report – including active and closed spills and leaking underground storage tanks (USTs)	01/29/2005	0.5 mile	9
USEPA (RCRIS) Hazardous Waste Generators and Transporters – including RCRA violations and Corrective Action Report (CORRACTS)	06/15/2004	0.25 mile	0
New York and Local Petroleum Bulk Storage Facilities	01/01/2002	0.25 mile	2
New York Chemical Bulk Storage Facilities	01/01/2002	0.25 mile	0
New York Toxic Release Inventory Facilities	03/08/2004	0.25 mile	0
Federal Permit Compliance System Toxic Wastewater Discharges	06/17/2004	0.25 mile	0
New York State Air Discharge Facilities	11/24/1999	0.25 mile	0
Federal Civil Enforcement Docket	10/14/1999	0.25 mile	0
USEPA emergency Response Notification System of Spills (ERNS)	01/31/2000	Subject property	0

The following paragraphs present the detailed information regarding the above listings:

USEPA Comprehensive Environmental Response, Compensation, and liability information System (CERCLIS) Facilities

This is a federal listing of sites that can pose environmental or public health hazards requiring investigation or clean up. The list indicates two CERCLIS sites located within one mile radius of search from the subject site. Table 4.2 provides additional information regarding these sites.

Table 4.2 USEPA CERCLIS Sites

Facility Name and Address	Distance from Site of Concern	Federal Status	Facility Information
Central Hudson Gas and Electric MGP – Beacon Street River Street	747 feet to the SSE	No Further Remedial Action Planned	Central Hudson G&E Corporation Allegedly found and removed a tar like substance during excavation for houses that now occupy the site. A site inspection of this facility was conducted in June 1987 by the USEPA
Beacon City Landfill (Inactive) - Municipal Park adjacent to railroad station	816 feet to the W	No Further Remedial Action Planned	There is no evidence of leachate at the site, no evidence of surface water contamination that can be attributed to the landfill, and no environmental problem that can be associated with the disposal of hazardous waste. USEPA conducted in June 1991 a site investigation of this facility

Based on the distance and the down-gradient direction, the Beacon City Landfill is not considered likely to pose an environmental concern to the subject property. The Central Hudson Gas and Electric MGP may pose an environmental concern on the subject property.

New York State Inactive Hazardous Waste Disposal Site Registry:

This list includes contaminated sites located within New York State that can pose environmental or public health hazard and requires investigation and/or clean up. The environmental database indicates that there are three Inactive Hazardous Substance Waste Disposal Sites located within a one mile radius of the Site. Table 4.3 shows a summary of the sites.

Table 4.3 New York State Hazardous Waste Disposal Sites

Site Name and Address	Distance from Site of Concern	Status	Facility Information
Central Hudson Gas and Electric MGP – Beacon Street River Street	747 feet to the SSE	N/A*	Registry qualifying investigations underway from 7/1999 to 10/1999
Central Hudson Gas and Electric MGP – Beacon Street River Street	747 feet to the SSE	Delisted Site, Hazardous Waste Not Found	A former gasification plant operated at the site. The property was later developed for residential use. During construction of the homes, tar was found and removed. Phase I and Phase II were completed, no hazardous material was found.
Beacon City Landfill (Inactive) - Municipal Park adjacent to railroad station	816 feet to the W	Delisted Site, Hazardous Waste Not Found	The Site received municipal, commercial and industrial wastes including wastes from a local dye works. The site has four feet of soil and vegetation cover over a plastic liner. Phase I and Phase II investigations were completed and found no evidence of hazardous waste disposal.

*Not Available

Based on the distance and the down-gradient direction, the Beacon City Landfill is not considered likely to pose an environmental concern to the subject property. The Central Hudson Gas and Electric MGP may pose an environmental concern on the subject property.

New York State Hazardous Substance Waste Disposal Sites

This list includes contaminated sites located within the New York State that can pose environmental hazards and are not eligible for state clean up funding. The environmental database indicates that there is one Hazardous Substance Waste Disposal facility located within a one-mile radius of the Site. Description of the facility is shown in Table 4.4.

Table 4.4 New York State Hazardous Substance Waste Disposal Sites

Site Name and Address	Distance from Site of Concern	Status	Facility Information
Central Hudson Gas and Electric MGP – Beacon Street River Street	648 feet to the SSE	Removed from the Hazardous Substance Inventory	A former coal gasification facility operated at the site. Tar was found 14 to 16 ft deep during construction of the residential housing that currently occupies the site.

Based on the distance and the up-gradient direction, the Central Hudson Gas and Electric MGP may pose an environmental concern on the subject property.

New York State Solid Waste Facility

This list is a New York State database of solid wastes facilities, including landfills, incinerators, transfer station and recycling centers. There are four facilities found in the database, which fall under this category within one mile of the subject site. Table 4.5 provides more details regarding these facilities.

Table 4.5 New York State Solid Waste Facility

Facility Name	Reported Address	Distance from Site of Concern	Facility Status	Facility Information
All County	78 Denning Avenue	4272 feet to the SSE	Registered	Small transfer station that receives less than 50,000 cubic yards of residential wastes per year.
All County	78 Denning Avenue	4272 feet to the SSE	Registered	Miscellaneous / unknown Facility receiving residential waste.
All county Resource Management	80 Denning Avenue	4443 feet to the S	None	Large transfer station, receives more than 50,000 cubic yards of sludge and grit per year.
Beacon Recycling and Transfer	Denning Avenue	4456 feet to the SSE	Registered	Small transfer station, receive less than 50,000 cubic yards of residential, demolition and recyclables wastes per year.

Those facilities are located down gradient from the Site and at a distance at which they do not appear to pose any environmental threat to the subject site. Therefore YU does not consider these facilities for any environmental concern to the subject site.

New York State Major Oil Storage Facilities

According to the New York State database for major oil storage facilities (> 400,000-gallon storage capacity for petroleum products), there is one major oil storage facility located within one mile radius from the site of interest. Information about this facility is shown in Table 4.6.

Table 4.6 Major Oil Storage Facilities

Facility Name	Address	Distance from Site of Concern	Facility Information
Garret Storm, INC.	Long Dock	1539 feet to the SSW	No tank information was reported, located down gradient of the Site

Based on Location, YU does not consider the facility as environmentally threatening to the subject site.

Toxic Spills List (Including Leaking USTs)

This list includes stationary source spills reported to the State environmental authorities, including unremediated leaking USTs. Two active hazardous spills were identified within the ASTM half mile search radius from the Site of concern on the Toxic Spills List Database. These incidents are listed as having active status, which YU assumes to indicate that they have not been resolved with the NYSDEC. Table 4.7 provides information regarding the most proximate active spill incidents to the Sites.

Table 4.7 Toxic Spills List (Including Leaking USTs)

Spill Site	Date of Spill	Distance from Site of Concern	Cause	Material/Quantity Spilled	Evaluation
Garrett Storm Long Dock, Red Flynn Drive	02/04/1993	1516 feet to the SSW	Unknown	Unknown quantity of #2 Fuel Oil.	Known Release with minimal potential for hazard or fire, no DEC response, willing responsible party, corrective action taken.
Vacant Lot, RT. 9D and Beekman Street.	06/16/1993	1807 feet to the ENE	Unknown	Unknown quantity of unknown material	Known Release with minimal potential for hazard or fire, no DEC response, willing responsible party, corrective action taken

Spill Site	Date of Spill	Distance from Site of Concern	Cause	Material/Quantity Spilled	Evaluation
Kellam Property, Ferry Street and Beacon	04/10/1997	1371 feet to the ESE	Unknown	Unknown quantity of Lubricating Oil	Known Release with minimal potential for hazard or fire, no DEC response, willing responsible party, corrective action taken.
Garrett Storm, Ferry Street	04/04/1989	1516 feet to the SSW	Unknown	Unknown quantity of Unknown Petroleum	Known Release with minimal potential for hazard or fire, no DEC response, willing responsible party, corrective action taken.
Cervones Auto, 14 Commerce Street	06/02/2001	1970 feet to the E	Unknown	Unknown quantity of #2 Fuel Oil	Known Release with minimal potential for hazard or fire, no DEC response, willing responsible party, corrective action taken.
Rencon Rest, 157 Main Street	06/03/2001	2170 feet to the E	Unknown	Unknown quantity of Unknown Petroleum	Known Release with minimal potential for hazard or fire, no DEC response, willing responsible party, corrective action taken.
52 Monell Pl.	10/10/1995	2480 feet to the NNE	Unknown	Unknown quantity of Raw Sewage	Known Release with minimal potential for hazard or fire, no DEC response, willing responsible party, corrective action taken.

Spill Site	Date of Spill	Distance from Site of Concern	Cause	Material/Quantity Spilled	Evaluation
Beacon Oil, 16 Main Street	06/19/1994	860 feet to the E	Equipment Failure	10-gallon of #2 Fuel Oil	Possible REL with minimal potential for hazard or fire, no DEC response, willing responsible party, corrective action taken.
Tompkins Terrace Apt., 21 Tompkins Avenue	06/14/1991	1364 feet to the NE	Deliberate	Unknown quantity of Unknown Material, probably 'pesticides'	N/A*

*Not Available

Although most of the spills are located up-gradient from the subject site, they are at a distance far enough not to cause any environmental impact. Based on the distance and the up-gradient direction, the Beacon Oil may pose an environmental concern on the subject property. The Garrett Storm spill it is located down-gradient from the site and also not expected to cause any kind of threat to the subject site. Therefore YU does not consider these active sites spill sites likely to represent any environmental concern to the subject site.

NYSDEC Petroleum Bulk Storage (PBS) Facilities

This list includes sites with less than a 400,000-gallon capacity for storing petroleum products. According to the PBS database, the Sites are not registered as PBS facilities. There are two PBS facilities located within one quarter of a mile search radius from the site of interest. Information regarding those sites is described in Table 4.8.

Table 4.8 NYSDEC PBS Facilities

Site Name	Address	Distance from Site of Concern	Tank Type/Capacity	Product Stored	Site Status
Lo-Rac Fuel Corp DBA Beacon Oil	16 Main Street	861 feet to the E	Two 2000-gallon capacity USTs. One 1000-gallon capacity AST and one 550-gallon capacity AST.	Number 1, 2 or 4 fuel oil, Diesel, Unleaded gasoline and other.	Two USTs are closed, 1000-gallon AST and 550-gallon AST are still in service

Site Name	Address	Distance from Site of Concern	Tank Type/Capacity	Product Stored	Site Status
DIA: Beacon	3 Beekman Street	891 feet to the SSE	Four 12,000-gallon capacity USTs	Number 1,2 or 4 Fuel Oil	All the USTs are in service

Based on the distance and the up-gradient direction, and a past history of spills, Beacon Oil may pose an environmental concern on the subject property. DIA: Beacon is located in an up-gradient direction, however due to its distance and no previous spills, it is not expected to pose any environmental concern for the subject site.

Brownfield Sites

This list includes Brownfield sites located within the one mile search radius dictated by the ASTM standards. The New York State Brownfield Cleanup Sites database indicates that there are six sites located in that area. Table 4.9 shows additional information regarding those sites.

Table 4.9 Brownfield Sites

Site Name	Revised Address	Distance from Site of Concern	Brownfield Program and Volunteer
CH Beacon MGP	416 River Road Beacon NY 12508	519 ft to the SE	Voluntary Cleanup Program by Central Hudson Gas & Electric Corp.
Beacon Salvage Property	Red Flynn Drive, Beacon NY 12508	781 feet to the SSW	Voluntary Cleanup Program by Scenic Hudson Land Trust, Inc.
Ferry Road Waterfront Site	Ferry Street, Beacon NY 12508	1030 feet to the S	Voluntary Cleanup Program by Scenic Hudson Land Trust, Inc.
Long Dock Beacon	Long Dock Road, Beacon NY 12508	1613 feet to the SSW	Brownfield Cleanup Program
DIA Center for the Arts	125 Wolcott Avenue, Beacon NY 12508	2296 feet to the SSE	Voluntary Cleanup Program by DIA Center for the Arts
Brunetto Cheese	33 North Cedar Street, Beacon NY 12508	4025 feet to the E	Environmental Restoration Program

Based on the distance and the up-gradient direction, the Central Hudson Gas and Electric MGP may pose an environmental concern for the subject property. Based on the proximity and orientation, other Brownfields sites presented in Table 4.9 do not appear to pose an environmental concern for the subject site.

4.2 Local Agency Review

YU also submitted Freedom of Information Act (FOIA) requests to various State, County and local agencies to obtain information regarding environmental issues for the site and the vicinity. The FOIA requests and the responses received from different agencies are attached in Appendix D. A review of the local agency information is presented below.

4.2.1 Building Department Review

YU representatives performed a record search at the City of Beacon Building Department to determine the presence of Underground Storage Tanks or other pertinent information concerning the subject site. During the record search, a building record for the subject property was found. The building record lists American Property Investors, CCJM Realty LLC and Metro North Commuter Railroad Company in the record of ownership. It is inferred that the building was leased to Stone Container Corporation as of August 20, 1973. The record shows the property was subdivided and a part of the property was sold to Metro North on January 9, 2003. The building record also contained the assessment record from Tax Assessor's Office, for years 1974 and 1976 for the subject site. However, no information was available concerning any environmental issues including USTs at the subject property. The documentation obtained from the Building Department is presented in Appendix G.

YU was informed by the City of Beacon – Building Department, that all information from Zoning Department, Tax Assessor's Office and Fire Prevention Department, were available at the building department.

4.2.2 Health Department Review

A representative of YU contacted the Dutchess County Department of Health (DOH) to obtain any file information pertaining to the subject site and adjoining properties. However, in a telephone conversation with Mr. John G. Glass of DOH, on July 25, 2005, YU was informed that no documents were available for the subject site. A phone memo of the telephone conversation is attached in Appendix D.

4.2.3 NYSDEC Review

A FOIL request was submitted to NYSDEC and was forwarded to the Division of Water, Environmental Permits, Air, and the Hazardous Materials Program within NYDEC. We have received responses from the Division of Water indicating no records of State Pollutant Discharge Elimination System (SPDES) permits. We have received a response from the Division of Environmental Permits indicating that no records could be found. We have also received a letter from the Records Access Office that indicates there are no spill or petroleum bulk storage (PBS) records found for the subject property. Any additional information received will be forwarded as an addendum to this report. All of the correspondence is included in Appendix D.

4.2.4 EPA Review

A FOIL request was submitted to United States Environmental Protection Agency (EPA) Region II Office. We have received a response indicating no records of air or water information for the subject site. We also received a response regarding the RCRA information concerning the subject property. The RCRA record shows that Dorel Hat Company filed a Notification of Hazardous Waste Activity, to comply with section 3010 of the Resource Conservation and Recovery Act (RCRA). The notification, filed on Dec 9th, 1987, depicted the facility as a

Hazardous Waste Generator, generating less than 1,000 Kg hazardous waste per month. The waste generated was three parts thinner to one part Series of 745 with admix use of solvents. The thinner consisted of nitrocellulose, Butyl Acetate, Methyl Ethyl Ketone, Naphtha and Toluene. All correspondence is included in Appendix D.

4.2.5 Additional Record Sources

No additional records or reports are available for this subject site.

5.0 SITE RECONNAISSANCE

On July 22 and August 2, 2005, YU representatives performed a visual site reconnaissance survey. The purpose of the reconnaissance was to observe the existing site conditions with respect to indications of hazardous materials affecting the subject site. The information obtained and observations noted during the site reconnaissance are summarized below. Photographs taken during the site walk through are presented in Appendix H.

5.1 Onsite Exterior Survey

The subject site consists of a one-story frame building housing Dorel Hat Company, a hat manufacturing factory. A paved parking lot exists North of the building. Further North of the parking lot, is an area used to store drums and abandoned equipment. The area is currently leased to Palisi Auto Body Shop located at the adjoining property (7 West Main Street). The drums and abandoned equipment storage area consists of scrap metal, old vehicles, and two 55-gallon drums stored in an unpaved area. A vehicle storage area was also noted at the eastern side of the paved parking lot. This area is also leased to the Palisi Auto Body Shop. The area is partially paved and used to store vehicles visiting the auto body shop for repair. Figure 2, Tax Map, Figure 4, Aerial Photograph-I and Figure 5, Aerial Photograph-II show more details of the site.

A transformer without a 'no-PCB' label was noted at the Southeast corner of the building. A steam blow down area was observed near the transformer, on the eastern side of the building. A gas meter was noted at the mid section of eastern facade of Dorel Hat Building. A hydrant exists at the Southwest corner of the building.

5.2 Onsite Interior Survey

Based upon the site interviews it is understood that activities like assembly operations, fabric milling/spinning/weaving, grinding/polishing/buffing and packaging are conducted at the site. Equipment including hat molding machines, hat molds, stitching machines were noted inside the building. Different areas inside the Dorel Hat Building (Manufacturing area, storage area, shipping area, and administrative offices area) are depicted in Figure 3, Recognized Environmental Conditions Plan.

A boiler room was noted to the east of the manufacturing area. The assessment of environmental issues including asbestos and lead based paint will be addressed by LeadCare, a consultant for Metro North under a separate program, and are not part of this Modified ESA. Two floor sumps were observed inside the building premises, one near the loading dock area and the other in front of a room housing old hat molding machines. The approximate location of these two floor sumps are shown in Figure 3, Recognized Environmental Conditions Plan. Photo Documentation of these floor sumps are included in the Photo Log presented as Appendix H. Based on the site interviews, the facility is supplied with municipal water and sanitary sewer. The building is heated by natural gas.

5.3 Offsite Survey

In addition to the onsite reconnaissance, the YU representatives observed adjoining properties from the subject site and public thoroughfares. Observations were made in an effort to assess if

facilities and/or structures are located on these properties and, if so, if they are operated by entities whose names suggest that they might use, store, generate, treat, or dispose of hazardous materials in the course of their business. Observations are summarized below.

The subject site is located within a mixed residential/commercial/industrial area. River Street runs along the eastern boundary of the subject property. The properties adjoining the site consist of two-story residential dwellings to the East across River Street, a paved parking lot and a drums and abandoned equipment storage area to the North, a parking lot for Beacon Station to the West and a vacant lot to the South with construction activities in progress. At the Northeast corner of the paved parking is a commercial property housing a C.P.A. office, other vacant offices, Palisi Auto Body Shop and John Joseph Welding and Fabrication Shop. A pump station connected to the sanitary sewer force main is located to the North of the subject site, across West Main Street.

5.4 Potential Concerns and Recognized Environmental Conditions (RECs)

Based upon the site visits, site interviews and a review of relevant documentation, YU identified Potential Concerns and determined the Recognized Environmental Conditions (RECs) at the subject site. Figure 3, Recognized Environmental Conditions Plan, depicts the approximate location of these RECs.

Potential Concern 1 (REC 1) - Off Site Migration: The Dorel Hat property was subdivided and a portion of the former Dorel Hat Property was sold to Metro North for development as a Parking Lot. Based on a review of the Parsons Brinckerhoff Quade & Douglas (PBQD) reports for the adjoining property to the South and West (Former Dorel Hat Property), contamination of the soil (PAHs, metals) and groundwater (metals) exists at concentrations above NYSDEC criteria on this adjoining property. Mercury contamination was identified at "hazardous concentrations" in boring MNR-DH3 (adjacent to the southwest corner of the subject property). The possibility of contaminant migration from off site sources (adjoining property) on to the subject site exists and is considered to be a recognized environmental condition.

Potential Concern 2 (REC 2) - Blow Down Area: A steam blow down area on the East side of the Dorel Hat Building was noted that discharged directly to the ground surface on the East side of the building. This presents a material threat of release of contaminants to soil, surface water and groundwater and is considered to be a recognized environmental condition.

Potential Concern 3 (REC 3) - Drums and Abandoned Equipment Storage: Two (2) 55-gallon drums were noted in the area used to store drums and abandoned equipment, located to the north of the paved parking lot. Staining was observed on the ground in close proximity to the drums. This indicates a past release and the material threat of a release and the potential for soil and groundwater contamination in this vicinity and is considered to be a recognized environmental condition.

Potential Concern 4 - Floor Sumps: Two floor-sumps were observed inside the Dorel Hat Building. One floor sump is located in the loading dock area, on the northern side of the building. Another sump was noted at the entrance of a room housing hat molding equipment,

located to the East of the manufacturing area, inside the building. These sumps are reportedly lined with concrete and pumped out intermittently. The possibility of contaminated water collecting in the sumps and leaking poses a material threat of soil and ground contamination in these areas. Based on field observations of the sump integrity and site interviews further evaluation of these potential concerns was deemed unnecessary.

Potential Concern 5 - Chemical Storage and Use Area: A five (5) gallon pail of a water based adhesive "# 2476 Stixit" was noted inside the Dorel Hat Building. A 55-gallon drum labeled as 'Chem Power' was also observed inside the Dorel Hat Building. Potential spills of these chemicals pose a material threat of a release and are considered to be potential concerns. Based on visual observations no spills or leaks from these containers was evident and further evaluation was deemed unnecessary.

Potential Concern 6 - Transformer: A transformer without a 'non-PCB' label was noted at the Southeast corner of the Dorel Hat Building, near the 'Blow Down Area'. The possibility of the transformer containing PCBs exists. This poses a material threat of PCB contamination in this vicinity and is considered to be a potential concern. Based on visual observations the transformer appears to be in good condition and no evidence of leaks were observed. Further evaluation of the transformer was deemed unnecessary.

Potential Concern 7 - Fluorescent Light Ballasts: Fluorescent Light Ballasts were observed inside the Dorel Hat Building, indicating the possible presence of PCBs in the light ballasts. This poses the material threat of a release and the possibility of PCB contamination and is considered to be a potential concern. If removed from the site these ballasts should be handled appropriately. Further evaluation of these ballasts was deemed unnecessary.

Potential Concern 8 - Dumpster: A dumpster for municipal solid waste was observed near the loading dock area to the North of the building. The dumpster is located in an unsecured location and the possibility for disposal of hazardous substances or petroleum products exists at this location. A material threat of a release to the ground in or around the dumpster exists, therefore the dumpster is considered to be a potential concern. There were no visual indications of spills in the dumpster vicinity and further evaluation was deemed unnecessary.

Potential Concern 9 (REC 4) - Vehicle Storage Area: A vehicle storage area was noted on the eastern side of the paved parking lot. The area is currently leased to Palisi Auto Body Shop, located at the adjoining property, 7 West Main Street. The area is used to store vehicles visiting the auto body shop for repair. Due to a material threat of oil and other vehicular fluid leaks from the damaged vehicles, the area is identified as a recognized environmental condition. Further evaluation of this area should be performed as part of a Phase II investigation.

Potential Concern 10 (REC 5)- Historical Use: Based on a review of Sanborn maps, two coal companies (Harry Hopper Coal Company, Dutchess Coal Company) existed at the location of the subject site. Railroad tracks are shown running through the subject property. A steel vulcanizing chamber, constructed on concrete piers appears to extend into the subject property in the 1962 Sanborn Map. It is possible that hazardous materials were used and disposed by these

industrial units. This indicates the possibility of soil, surface water and groundwater contamination in the past, this area is identified as a recognized environmental condition. Further evaluation of this area should be performed as part of a Phase II investigation.

5.5 Other Recognized Environmental Conditions

During the site reconnaissance on June 22 and August 2, 2005, our representatives did not observe any other Recognized Environmental Conditions.

6.0 PRE PHASE-II INVESTIGATION

The Pre Phase II investigations involved a limited site investigation based on the RECs identified as a part of Phase I ESA conducted at the subject site. The investigation activities included advancement of soil borings, collection of soil and groundwater samples and subsequent laboratory testing for analytical parameters.

Based on the findings of the Phase-I ESA, ten (10) Potential Concerns and five (5) RECs were identified at the subject site. The Potential Concerns and RECs and their approximate locations are depicted in Figure 3, Recognized Environmental Conditions Plan. As a limited scope of work for Pre-Phase-II investigation, the RECs most likely to present a threat of contamination were investigated. Out of the five (5) RECs identified at the subject site, REC 1 Off-Site Migration, REC 2 Blow Down Area, and REC 3 Drums and Abandoned Equipment Storage Area warranted subsurface investigation as part of the Pre Phase II investigation. Potential Concerns 4 through 8 did not warrant further investigation based on the Phase I observations. Potential Concerns 9 and 10 (RECs 4 and 5) would be evaluated as part of a Phase II investigation.

6.1 Soil and Groundwater Sampling

Field activities for Pre Phase II investigation were conducted at the subject site on August 4th, 2005. A drilling company 'Land, Air, Water Environmental Services, Inc.', of Center Moriches, NY was subcontracted by DAY to perform the soil borings. A total of four (4) borings (B-1 through B-4) were advanced and labeled at the subject property. Boring B-1 was advanced to investigate the subsurface conditions in Blow Down Area (REC 2). Boring B-2 was advanced to investigate the subsurface conditions related to potential off site migration (REC 1) from the property to the south. Borings B-3 and B-4 were advanced to investigate the subsurface conditions in the vicinity of the Drums and Abandoned Equipment Storage Area (REC 3). The approximate locations of these borings are shown on Figure 3, Recognized Environmental Conditions Plan.

Borings B-1 to B-3 were performed using a Geoprobe 66DT. The soil samples were collected using 5-ft long Macrocore samplers with acetate liners. Boring B-4 located at the stained ground near the 55-gallon drums in abandoned equipment storage area, was performed using a Hand Auger due to the restricted access for Direct Push equipment. The soil obtained from the borings was visually examined, and screened using a Photo Ionization Detector (PID) and a Mercury Vapor Analyzer (MVA), by the YU personnel present at the site. The PID used in the investigation was calibrated prior to sampling. The soil was classified in accordance with ASTM Standard D2488-84. Six (6) soil samples were collected from locations indicating possible contamination, based upon visual observations and/or PID and MVA readings. The boring logs are attached to this report as Appendix-I.

Groundwater sampling was conducted using the Hydropunch® Direct Push Sampler. Groundwater was encountered at 3.8 feet in boring B-1 and a groundwater sample B1-GW was collected. Groundwater was encountered at 12.5 feet in boring B-3. Groundwater sampling was attempted but only a small amount of water (< 500 ml) was obtained before the flow of water stopped. Based on the field observations, the water in this boring appears to be perched water of

limited thickness overlying the fine-grained material beneath. Groundwater was not encountered in borings B-2 and B-4.

6.2 Soil Analytical Results

This section discusses the subsurface soil sample analytical results. Six (6) soil samples were collected during field investigation activities on August 4th, 2005. The samples were collected in lab-provided containers and submitted to Mitkem Corporation, an accredited laboratory subcontracted by DAY for the analyses. A chain of custody was filled along with the samples submitted for laboratory analyses. The samples collected and analyzed are summarized in Table 1, Sampling Summary Table.

The soil samples were analyzed for Volatile Organics, Base/Neutrals, Metals, Cyanides, Phenols, Pesticides and PCBs.

6.2.1 Volatile Organic Compounds (VOCs)

Soil samples B1-6.0, B2-5.0 and B4-0.5 were analyzed for the presence of VOCs. Toluene, Xylene (Total) and Naphthalene were detected in soil sample B1-6.0 at concentrations exceeding the NYSDEC Soil Cleanup Objectives. Methylene Chloride, Chloroform and Trichloroethene were detected in sample B2-5.0. Methylene Chloride, Chloroform, Tetrachloroethene and Naphthalene were detected in sample B4-0.5. However, the concentrations of compounds detected in B2-5.0 and B4-0.5 were less than NYSDEC Soil Cleanup Objectives. Soil VOCs Analytical Results Summary is shown in Table 2.

6.2.2 Semi-Volatile Organic Compounds (SVOCs)

Soil samples B1-6.0, B2-5.0 and B4-0.5 were analyzed for the presence of SVOCs. A number of compounds were detected in the soil sample B1-6.0 at concentrations exceeding the NYSDEC Soil Cleanup Objectives. SVOCs were detected in soil samples B2-5.0 and B4-0.5; however the concentrations of the compounds were less than NYSDEC Soil Cleanup Objectives. Soil SVOCs Analytical Results Summary is shown in Table 3.

6.2.3 Priority Pollutant-Metals (PP Metals)

Soil samples B1-6.0, B2-5.0 and B4-0.5 were analyzed for the presence of PP Metals. Arsenic, Beryllium, Chromium, Copper, Zinc and Mercury were detected in the sample B1-6.0 at concentrations exceeding the NYSDEC Soil Cleanup Objectives. Beryllium, Chromium, Copper, Nickel and Zinc were detected in the sample B2-5.0 at concentrations exceeding the NYSDEC Soil Cleanup Objectives. Zinc was detected in soil sample B4-0.5 at concentration exceeding the NYSDEC Soil Cleanup Objectives. Soil PP Metals Analytical Results Summary is shown in Table 4.

6.2.4Pesticides and Polychlorinated Biphenyls (PCBs)

Soil samples B1-6.0, B2-5.0 and B4-0.5 were analyzed for the presence of Pesticides and PCBs. Pesticides were detected only in the soil sample B1-6.0. The concentration of the compounds was less than the NYSDEC Soil Cleanup Objectives. Pesticides were not detected in soil samples B2-5.0 and B4-0.5. PCBs were not detected in any of the soil samples that were analyzed. Soil Pesticides Analytical Results Summary is shown in Table 5.

6.2.5 Phenols and Cyanides

Soil samples B1-6.0, B2-5.0 and B4-0.5 were analyzed for the presence of Phenols and

Cyanides. Total phenols were detected in the sample B1-6.0 at concentrations exceeding the NYSDEC Soil Cleanup Objectives. Although phenols were not detected in samples B2-5.0 and B4-0.5, the detection limits for phenols for the two samples exceeded the NYSDEC Soil Cleanup Criteria. Cyanides were not detected in any of the soil samples. Soil Total Phenols Analytical Results Summary is shown in Table 6.

6.3 Groundwater Analytical Results

This section discusses the groundwater analytical results. One (1) groundwater sample B1-GW was collected during field investigation activities on August 4th, 2005. The sample was collected from the boring B-1 located in the Blow Down Area. The sample was collected in lab-provided jars and submitted to Mitkem Corporation, an accredited laboratory subcontracted by DAY for the analyses. A chain of custody was filled along with the sample submitted for laboratory analyses. The samples collected and analyzed are summarized in Table 1, Sampling Summary Table.

The groundwater sample was requested to be analyzed for TCL VO, TCL SVOC and TCL Pesticides/PCBs analyses. Metals analysis was not requested on the Chain of Custody form; however, a sample container was collected. The laboratory analyzed the sample for metals without authorization.

6.3.1 Target Compound List -Volatile Organic Compounds (TCL VOCs)

The groundwater sample B1-GW was analyzed for the presence of TCL VOCs. Toluene, Xylene (Total) and Naphthalene were detected in the sample at concentrations exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values. Groundwater TCL VOCs Analytical Results Summary is shown in Table 7.

6.3.2 Target Compound List -Semi-Volatile Organic Compounds (TCL SVOCs)

The groundwater sample B1-GW was analyzed for the presence of TCL SVOCs. A number of compounds were detected in the sample at concentrations exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values. Groundwater TCL SVOCs Analytical Results Summary is shown in Table 8.

6.3.3 Target Analyte List Metals (TAL Metals)

The groundwater sample B1-GW was analyzed for the presence of TAL Metals. Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel and Mercury were detected in the sample at concentrations exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values. Groundwater TAL Metals Analytical Results Summary is shown in Table 9.

6.3.4 Target Compound List -Pesticides and Polychlorinated Biphenyls (PCBs)

The groundwater sample B1-GW was analyzed for the presence of TCL Pesticides/PCBs. Heptachlor epoxide, a Pesticide was detected in the sample at concentrations exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values. PCBs were not detected in the groundwater sample. Groundwater TCL Pesticides Analytical Results Summary is shown in Table 10.

7.0 FINDINGS AND CONCLUSIONS

YU performed Modified Phase I Environmental Site Assessment activities at the property located at 7 West Main Street, in the City of Beacon, Dutchess County, New York. The scope of work was broadly divided into Task 1-Phase I ESA and Task 2-Pre Phase II Investigation. The findings of Task 1 and Task 2 are as follows.

7.1 Task-1: Phase-I ESA

1. Based on a review of Phase II Site Investigation Report for the adjoining Parking Facility Expansion Site, prepared by PBQD, the possibility of contaminant migration from off site sources was recognized at the subject site.

2. A Blow Down area, identified to the East of the Dorel Hat building.

3. A drum and abandoned equipment storage area, to the north of the paved parking lot.

4. Two floor sumps observed inside the Dorel Hat Building

5. Different chemical storage and use areas inside the Dorel Hat Building.

6. A transformer without 'no-PCB' label, located at the Southeast corner of the Dorel Hat Building.

7. Fluorescent Light Ballasts observed inside the Dorel Hat Building.

8. A dumpster noted near the loading dock area, on the northern side of the building.

9. A vehicle storage area on the eastern side of the paved parking lot.

10. Based on a review of Sanborn Maps, the possibility of contamination from Historical uses was recognized at the subject site.

7.2 Task-2: Pre Phase-II Site Investigation

A total of four (4) borings (B-1 through B-4) were advanced at the subject property. A total of Six (6) soil samples and one (1) groundwater sample were collected. The samples collected and analyzed are summarized in Table 1, Sampling Summary Table.

Preliminary results for volatile organic analysis, semi volatile organic analysis, PP metals, and Pesticides/PCBs for soil samples have been provided by Mitkem. Table 2 to Table 6 present the summary of soil analytical results. The preliminary results indicate the presence of volatile organics, semivolatile organic compounds, metals and total phenols in the soil sample B1-6.0 (REC 2 Blow Down Area) at concentrations exceeding NYSDEC Recommended Soil Cleanup Objectives. The preliminary results also show the presence of metals in the soil samples B2-5.0

(REC 1 Off Site Migration) and B-4-0.5 (REC 3 Drums and Abandoned Equipment Storage) at concentrations exceeding NYSDEC Recommended Soil Cleanup Objectives.

Groundwater was not encountered in borings B-2 and B-4. Groundwater in boring B-1 was encountered at 3.8 ft below ground surface. Based on the depths of borings B-2 and B-3, this may indicate a perched water table condition in this location. Groundwater was encountered at 12.5 feet in boring B-3. Groundwater sampling was attempted but only a small amount of water (< 500 ml) was obtained before the flow of water stopped. Based on the field observations, the water in this boring appears to be perched water of limited thickness overlying the fine-grained material beneath. Preliminary results for volatile organic analysis, semi volatile organic analysis, metals, and Pesticides/PCBs for groundwater sample B1-GW (REC 2 Blow Down Area) have also been provided by Mitkem. Table 7 to Table 10 present the summary of groundwater analytical results. The preliminary results indicate the presence of volatile organics, semivolatile organic compounds, metals and a pesticide (heptachlor epoxide) in the groundwater sample at concentrations exceeding NYSDEC Ambient Groundwater Standards.

8.0 RECOMMENDATIONS

Based on the Pre-Phase II investigation results, further evaluation of the REC 1 (Off Site Migration) and REC 3 (Drums and Abandoned Equipment Storage) is unnecessary. REC 1 was investigated primarily to determine if mercury contamination existed on the subject property. Based on the analytical results mercury contamination above the NYSDEC Recommended Soil Cleanup Objects is not present in this vicinity. REC 3 was investigated to evaluate the presence of soil contamination related to the staining evident in the vicinity of the Drums. The analytical results did not indicate organic contamination in this vicinity. Metals (beryllium, chromium, copper, nickel and zinc) concentrations exceed the NYSDEC Recommended Soil Cleanup Objectives in samples from both of these areas. However, no determination has been made as to whether or not these concentrations exceed site background. Based on the metals concentrations in these areas, protection of human health and the environment can be addressed with engineering controls (cap).

Based on the presence of volatile organics, semi volatile organic compounds, metals and Total Phenols in soil sample B1-6.0 (REC 2 Blow Down Area), at concentrations above the NYSDEC Recommended Soil Cleanup Objectives, we recommend delineation of volatile organics, semi volatile organic compounds, phenols and metals contamination in soil in the vicinity of the Blow Down Area with a Phase II investigation.

Based on the presence of volatile organics, semi volatile organic compounds, metals and a pesticide (heptachlor epoxide) in the groundwater sample B1-GW (REC 2 Blow Down Area) at concentrations exceeding NYSDEC Ambient Water Quality Standards and Guidance Values, we recommend a groundwater investigation to characterize the site hydrogeologic conditions and delineation of volatile organic, semi volatile organic, metals and pesticide contamination in groundwater with a Phase II investigation.

The automobiles stored in the Vehicular Storage Area should be moved in order to facilitate a Phase II investigation. The Phase II investigation should include subsurface exploration including soil sampling for Volatile organic, semi volatile organic and metals contamination.

It is possible that hazardous materials were used and disposed of on site during previous site operations. A site wide subsurface investigation is also recommended to evaluate potential contamination associated with historical use. Soil and groundwater samples should be collected as part of the Phase II investigation for volatile organic, semi volatile organic, pesticide/PCBs, metals, phenols and cyanide analyses.

9.0 REFERENCES

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10.0 QUALIFICATIONS

Andrew Leung, Charles McCusker and Amit Garg conducted the field reconnaissance and site interviews. Charles McCusker and Amit Garg conducted research and prepared this report. Andrew Leung performed QA/QC review of this report. Resumes are attached in Appendix J and a brief summary of qualifications follows.

Amit Garg has one year of experience conducting environmental investigations. He received a Bachelors degree (Civil Engineering) from the Indian Institute of Technology, New Delhi (India), in 2002. He received his Master of Science degree from the University of Massachusetts Lowell (Civil & Environmental Engineering) in 2004. Mr. Garg is also a published author.

Charles McCusker has over nineteen years of experience conducting environmental investigations. He received a Bachelor of Science degree (Geology) from the University of Southern Colorado (Colorado State University, Pueblo) in 1985. He is has been a Certified Hazardous Materials Manager (No. 3907) since 1992. He is a registered Professional Geologist in Pennsylvania (PG-002812), and Delaware (S40000942). He is also a New Jersey Department of Environmental Protection Licensed Subsurface Investigator (239389). He has performed environmental investigations in twenty four states and the U.S. Virgin Islands. Mr. McCusker is also a published author.

Andrew Leung has over twenty four years of experience in of technical and project management experience in environmental and geotechnical engineering for the planning, design, construction, and rehabilitation of various civil works. His experience encompasses all phases of hazardous and solid waste management projects. He is a registered Professional Engineer in New York and New Jersey. He received a Bachelor of Science degree (Civil Engineering) from the University of London in 1980. He received a Master of Science degree (Geotechnical Engineering) from the University of Illinois in 1982.

TABLE 1

SAMPLING SUMMARY TABLE
DOREL HAT - PRE PHASE II INVESTIGATION
BEACON, NY
Project # 0507501

Sample Number	Area of Concern	Date Collected	Depth (ft)	Matrix	Analytical Parameters
B1-3.0	Blow Down Area	8/4/2004	3.0-4.0	SOIL	Not Analyzed
B1-6.0	Blow Down Area	8/4/2004	6.0-7.0	SOIL	PP+40
B2-5.0	Off Site Migration Area	8/4/2004	5.0-6.0	SOIL	PP+40
B3-5.5	Drums and Abandoned Equipment Storage Area	8/4/2004	5.5-6.5	SOIL	Not Analyzed
B3-11.5	Drums and Abandoned Equipment Storage Area	8/4/2004	11.5-12.5	SOIL	Not Analyzed
B4-0.5	Drums and Abandoned Equipment Storage Area	8/4/2004	0.5-1.5	SOIL	PP+40
B1-GW	Blow Down Area	8/4/2004	NA	AQUEOUS	VO+15, BN+25, Pesticides, PCBs

VO+15 - Volatile Organic compounds plus 15 additional compounds
BN+25 - Base Neutral Compounds plus 25 additional compounds
PP+40 - Priority Pollutants plus 40 additional compounds
PCBs - Polychlorinated Biphenyls
NA - Not Applicable

Table 2
Soil Volatile Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0		B2-5.0		B4-0.5		NYSDEC Rec. Soil Cleanup Objective	NYSDEC Soil cleanup objectives to protect GW quality
Lab Sample ID	D0921-02C		D0921-03C		D0921-06C			
Sampling Date	8/4/2005		8/4/2005		8/4/2005			
Sample Depth (ft)	6.0-7.0		5.0-6.0		0.5-1.0			
Matrix	Soil		Soil		Soil			
Units	mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg
Dilution Factor	200		1		1			
VOCs								
Methylene Chloride	ND		**0.031**	J	**0.007**	J	0.1	0.1
Chloroform	ND		**0.012**	J	**0.003**	J	0.3	0.3
Trichloroethene	ND		**0.081**		ND		0.7	0.7
Toluene	**41**	J	ND		ND		1.5	1.5
Tetrachloroethene	ND		ND		**0.0008**	J	1.4	1.4
Xylene (Total)	**96**	J	ND		ND		1.2	1.2
1,2,4-Trimethylbenzene	**58**	J	ND		ND		NA	NA
Napthalene	**3200**		ND		**0.003**	J	13	13

Qualifiers

J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preminary Results of Volatile Organics analyses.

Table 3
Soil Semivolatile Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0		B2-5.0		B4-0.5		NYSDEC Rec. Soil Cleanup Objective	NYSDEC Soil cleanup objectives to protect GW quality
Lab Sample ID	D0921-02A		D0921-03A		D0921-06A			
Sampling Date	8/4/2005		8/4/2005		8/4/2005			
Sample Depth (ft)	6.0-7.0		5.0-6.0		0.5-1.0			
Matrix	Soil		Soil		Soil			
Units	mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg
Dilution Factor	20		1		1			
SVOCs								
2,4-Dimethylphenol	**7.2**	J	ND		ND		NA	NA
Naphthalene	**3800**	E	ND		**0.07**	J	13	13
2-Methylnaphthalene	**990**	E	ND		ND		36.4	36.4
Acenaphthylene	**1000**	E	ND		ND		41	41
Acenaphthene	**170**		ND		ND		50	90
Dibenzofuran	**860**	E	ND		ND		6.2	6.2
Fluorene	**960**	E	ND		ND		50	350
Phenanthrene	**2300**	E	ND		ND		50	220
Anthracene	**670**	E	ND		ND		50	700
Carbazole	**270**		ND		ND		NA	NA
Fluoranthene	**1500**	E	**0.044**	J	ND		50	1900
Pyrene	**1500**	E	**0.05**	J	ND		50	665
Benzo(a)anthracene	**680**	E	**0.041**	J	ND		MDL	3
Chrysene	**390**	E	**0.06**	J	ND		0.4	0.4
bis(2-Ethylhexyl)phthalate	ND		**0.05**	J	ND		50	435
Benzo(b)fluoranthene	**590**	E	**0.05**	J	ND		1.1	1.1
Benzo(k)fluoranthene	**200**		**0.027**	J	ND		1.1	1.1
Benzo(a)pyrene	**230**		**0.038**	J	ND		MDL	11
Indeno(1,2,3-cd)pyrene	**170**		ND		ND		3.2	3.2
Dibenzo(a,h)anthracene	**33**		ND		ND		MDL	165000
Benzo(g,h,i)perylene	**140**		ND		ND		50	800

Qualifiers

J - Analyte detected Below quantitation limits
E - Value above quantitation range
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.

Note:

The data presented herein is based on the Preminary Results of Semivolatile Organic Compounds analyses.

Table 4
Soil PP-Metals Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0	B2-5.0	B4-0.5	NYSDEC Rec. Soil Cleanup Objective
Lab Sample ID	D0921-02	D0921-03	D0921-06	
Sampling Date	8/4/2005	8/4/2005	8/4/2005	
Sample Depth (ft)	6.0-7.0	5.0-6.0	0.5-1.0	
Matrix	Soil	Soil	Soil	
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1	
PP Metals				
Antimony	ND	**1.2**	**2.5**	SB
Arsenic	**19**	**7.3**	**5.1**	7.5 or SB
Beryllium	**2.9**	**0.48**	**0.33**	0.16 or SB
Cadmium	**0.59**	**0.62**	**1.5**	1 or SB
Chromium	**42**	**20**	**13**	10 or SB
Copper	**100**	**48**	**140**	25 or SB
Lead	**28**	**61**	**54**	SB
Nickel	**9.7**	**21**	**19**	13 or SB
Zinc	**40**	**57**	**870**	20 or SB
Mercury	**0.22**	**0.075**	**0.04**	0.1

Qualifiers

J - Analyte detected Below quantitation limits
SB - Site Background
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.

Note:

The data presented herein is based on the Preminary Results of PP-Metals analyses.

Table 5
Soil Pesticides Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0		B2-5.0	B4-0.5	NYSDEC	NYSDEC
Lab Sample ID	D0921-02A		D0921-03A	D0921-06A	Rec. Soil	Soil cleanup
Sampling Date	8/4/2005		8/4/2005	8/4/2005	Cleanup	objectives
Sample Depth (ft)	6.0-7.0		5.0-6.0	0.5-1.0	Objective	to protect
Matrix	Soil		Soil	Soil		GW quality
Units	mg/Kg		mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	20		1	1		
Pesticides/PCBs						
4,4'-DDD	**0.18**	P	ND	ND	2.9	7.7
4,4'-DDT	**0.36**		ND	ND	2.1	2.5
Methoxychlor	**0.86**	P	ND	ND	NA	900
Endrin ketone	**0.28**	P	ND	ND	NA	NA
Endrin aldehyde	**0.11**	P	ND	ND	NA	NA
gamma-Chlordane	**0.47**		ND	ND	0.54	14

Qualifiers

J - Analyte detected Below quantitation limits
P - Use professional Judgement based on data use
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.

Note:

The data presented herein is based on the Preminary Results of Pesticides/PCBs analyses.

Table 6
Soil Total Phenol Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-6.0	B2-5.0	B4-0.5	NYSDEC Rec. Soil Cleanup Objective	NYSDEC Soil cleanup objectives to protect GW quality
Lab Sample ID	D1022-01A	D1022-02A	D1022-03A		
Sampling Date	8/4/2005	8/4/2005	8/4/2005		
Sample Depth (ft)	6.0-7.0	5.0-6.0	0.5-1.0		
Matrix	Soil	Soil	Soil		
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1		
Total Phenol	**5.3**	< 1.1	< 1.0	0.03	0.0003

Qualifiers

55 - Concentration of compounds that are detected are listed and identified in bold type.

55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.

< 1.1 The detection limit for the sample exceeds the NYSDEC Soil Cleanup Criteria

Note:

The data presented herein is based on the Preminary Results of Pesticides/PCBs analyses.

Table 7
Groundwater Volatile Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-GW		NYSDEC Ambient Water Quality Standards and Guidance Values
Lab Sample ID	D0921-07C		
Sampling Date	8/4/2005		
Matrix	Water		
Units	ug/l		ug/l
Dilution Factor	100		
VOCs			
Methylene Chloride	ND		5
Chloroform	ND		7
Trichloroethene	ND		5
Toluene	**150**	J	5
Tetrachloroethene	ND		5
Xylene (Total)	**150**	J	5
1,2,4-Trimethylbenzene	**100**	J	5
Napthalene	**4600**	J	10

Qualifiers

J - Analyte detected below quantitation limits

NA - Not Available

55 - Concentration of compounds that are detected are listed and identified in bold type.

55 - Concentration of compounds that exceed the NYSDEC Groundwater Standards are listed and identified in bold type and boxed.

Note:

The data presented herein is based on the Preminary Results of Volatile Organics analyses.

Table 8
Groundwater Semivolatile Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID	B1-GW		NYSDEC
Lab Sample ID	D0921-07A		Ambient Water Quality
Sampling Date	8/4/2005		Standards and
Matrix	Water		Guidance Values
Units	ug/l		ug/l
Dilution Factor	1		
SVOCs			
Phenol	**9**	J	1
2-Methylphenol	**11**		1
4-Methylphenol	**22**		1
2,4-Dimethylphenol	**56**		1
Naphthalene	**4000**	E	10
2-Methylnaphthalene	**430**	E	NA
Acenaphthylene	**330**	E	NA
Acenaphthene	**39**		20
Dibenzofuran	**140**		NA
Fluorene	**110**		50
Phenanthrene	**140**		50
Anthracene	**31**		50
Carbazole	**200**		NA
Fluoranthene	**28**		50
Pyrene	**22**		50
Benzo(a)anthracene	**8**	J	0.002
Chrysene	**6**	J	0.002
Benzo(b)fluoranthene	**4**	J	0.002
Benzo(k)fluoranthene	**2**	J	0.002
Benzo(a)pyrene	**4**	J	0.002
Indeno(1,2,3-cd)pyrene	**2**	J	0.002
Benzo(g,h,i)perylene	**2**	J	NA

Qualifiers

J - Analyte detected below quantitation limits
E - Value above quantitation range
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Groundwater Standards are listed and identified in bold type and boxed.

Note:

The data presented herein is based on the Preminary Results of Semi-volatile Organics analyses.

Table 9
Grounwater PP Metals Organic Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

Sample ID		B1-GW	NYSDEC Ambient Water Quality Standards and Guidance Values
Lab Sample ID		D0921-07	
Sampling Date		8/4/2005	
Matrix		Water	
Units		ug/l	ug/l
Dilution Factor		1	
PP Metals			
	Antimony	**34**	3
	Arsenic	**590**	25
	Beryllium	**34**	3
	Cadmium	**42**	5
	Chromium	**1400**	50
	Copper	**2800**	200
	Lead	**1000**	25
	Nickel	**1200**	100
	Zinc	**4500**	NA
	Mercury	**0.96**	0.7

Qualifiers

NA - Not Available

PP-Metals - Priority Pollutant Metals

55 - Concentration of compounds that are detected are listed and identified in bold type.

55 - Concentration of compounds that exceed the NYSDEC Groundwater Standards are listed and identified in bold type and boxed.

Note:

The data presented herein is based on the Preminary Results of PP-Metals analyses.

Table 10
Groundwater Pesticides Analytical Results Summary
Dorel Hat- Pre Phase II Investigation
Beacon, NY
Project # 0507501

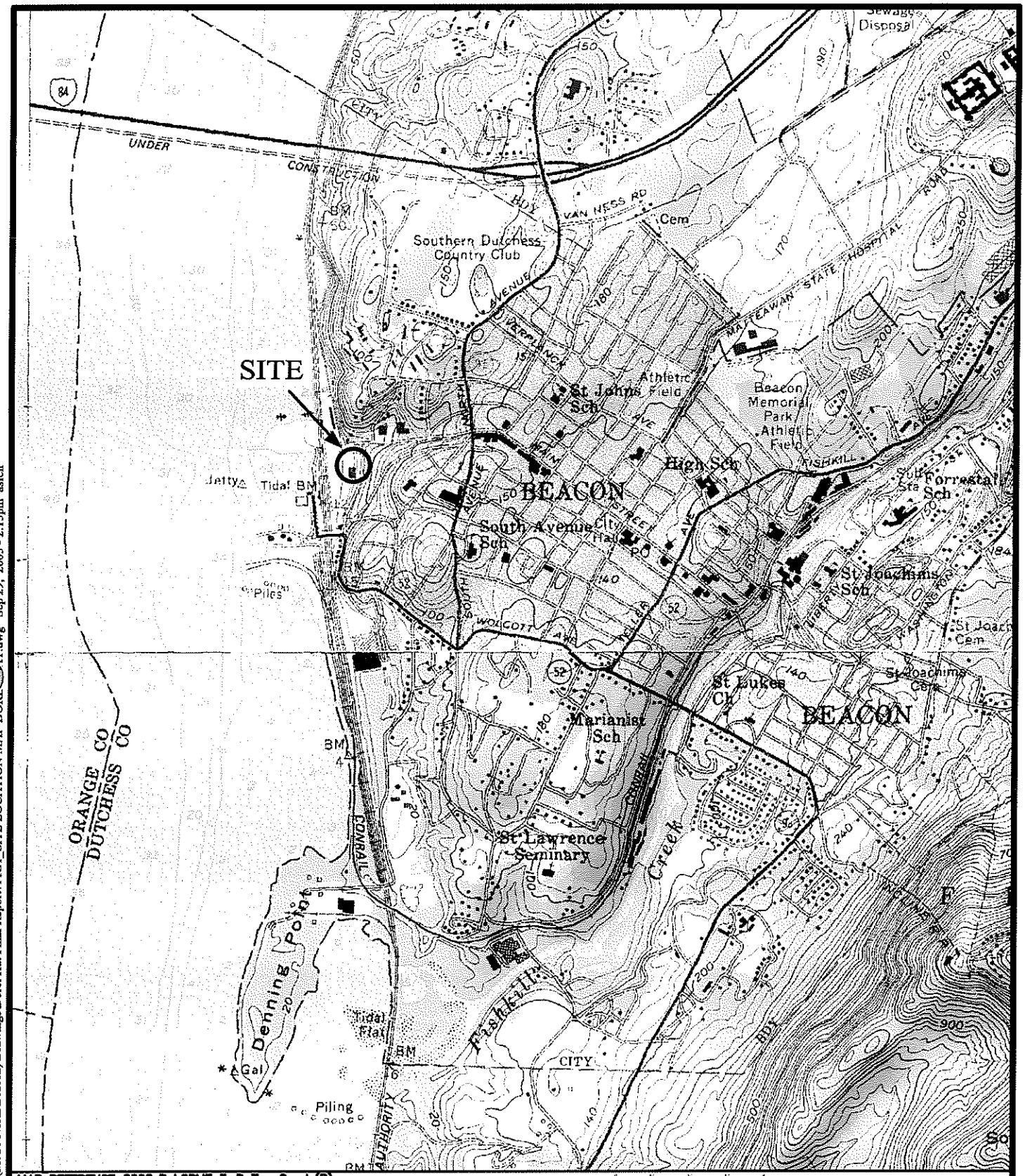
Sample ID	B1-GW		NYSDEC
Lab Sample ID	D0921-07A		Ambient Water Quality
Sampling Date	8/4/2005		Standards and
Matrix	Water		Guidance Values
Units	ug/l		ug/l
Dilution Factor	1		
Pesticides/PCBs			
Heptachlor epoxide	**0.11**	P	0.03
4,4'-DDD	**0.21**	P	NA
4,4'-DDT	**0.46**	P	NA
Endrin ketone	**1.4**		5
gamma-Chlordane	**0.1**	P	NA

Qualifiers

PCBs - Polychlorinated Biphenyls
NA - Not Available
P - Use professional judgement based on data use
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Groundwater Standards are listed and identified in bold type and boxed.

Note:

The data presented herein is based on the Preminary Results of Pesticides/PCBs analyses.



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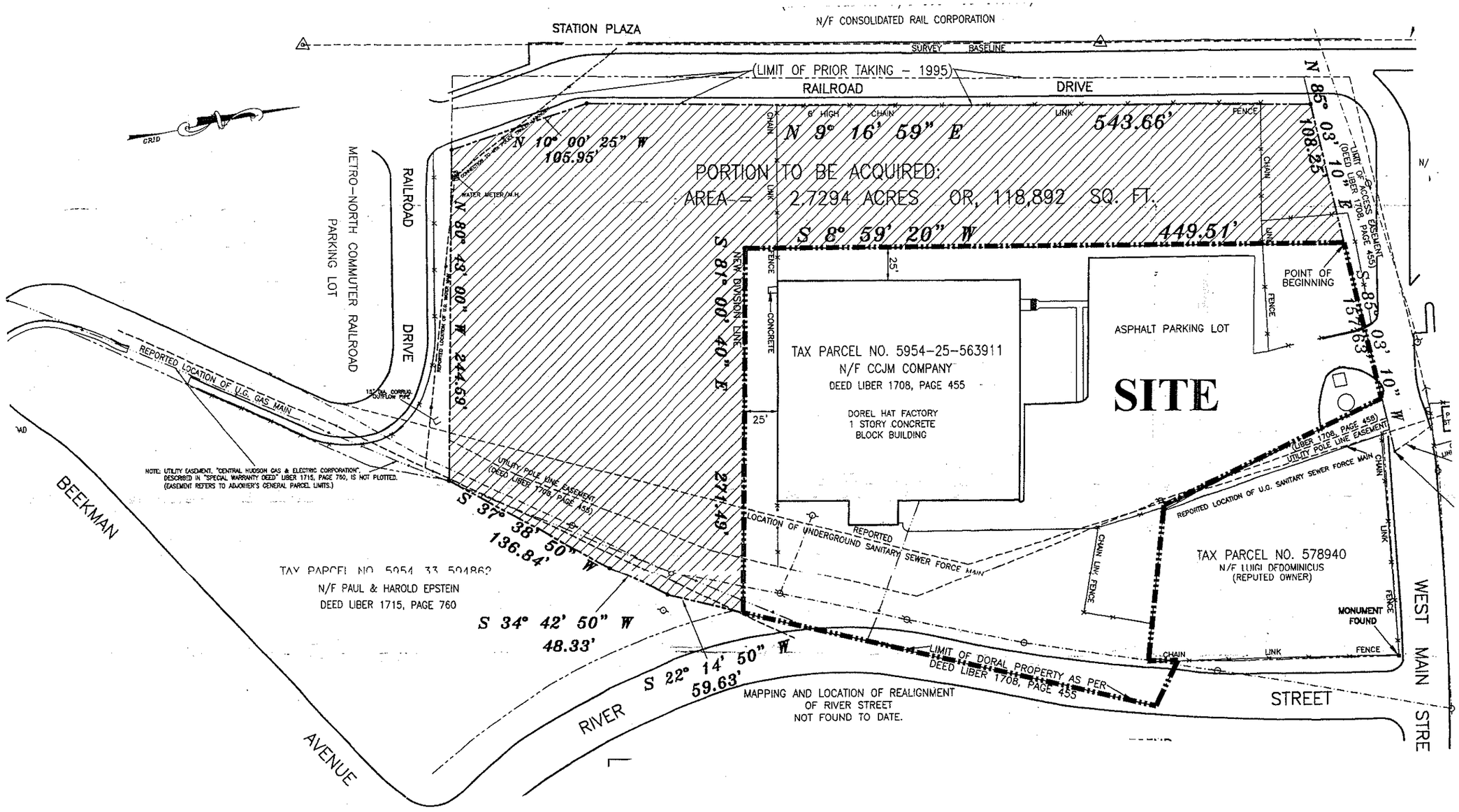
SITE LOCATION MAP

1 WEST MAIN STREET
DUTCHESS COUNTY
BEACON NEW YORK

JOB NO.: 05075	SCALE: AS SHOWN	DATE: 09/29/2005	FIG. 1

G:\YU&ASSOC\PROJECTS\05075 (Metro North Beacon)\Drawings\Dorel Hat Final Report\ FIG1_SITE LOCATION MAP-DOREL.dwg Sep 29, 2005 - 2:15pm asfeir



LEGEND

- PROPERTY (TAKING) LINE
- ADJOINING PROPERTY LINE
- CHAIN LINK FENCE
- CONCRETE
- EDGE OF PAVEMENT
- CONCRETE CURB
- EASEMENT LINE
- BUILDING LINE
- OVERHEAD WIRES
- UNDERGROUND GAS LINE
- SURVEY STATION
- UTILITY POLE
- MONUMENT FOUND
- PROPERTY CORNER
- PROPERTY TAKING AREA
- SITE BOUNDRY

40 0 40 80 120 160 200

GRAPHIC SCALE

NOTE:
THE DRAWING PRESENTED HEREIN IS BASED ON THE SURVEY ENTITLED "ACQUISITION IN FEE TITLE FOR BEACON COMMUTER PARKING EXPANSION PROJECT", DATED FEB 28, 2002, PREPARED BY WELSH ENGINEERING AND LAND SURVEYING, P.C AND PROVIDED BY DAY ENGINEERING, P.C.

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TAX MAP
DOREL HAT
(VICINTIY OF BEACON STATION)

BEACON

DUTCHESS NEW YORK

JOB NO.: 0507501	SCALE: AS SHOWN	DATE: 09/29/05	FIG. 2

POTENTIAL CONCERN 1: **(REC 1)** OFF-SITE MIGRATION

POTENTIAL CONCERN 7: FLUORESCENT LIGHT BALLASTS

POTENTIAL CONCERN 5: CHEMICAL STORAGE AND USE AREA

POTENTIAL CONCERN 6: TRANSFORMER

POTENTIAL CONCERN 2: **(REC 2)** BLOW DOWN AREA

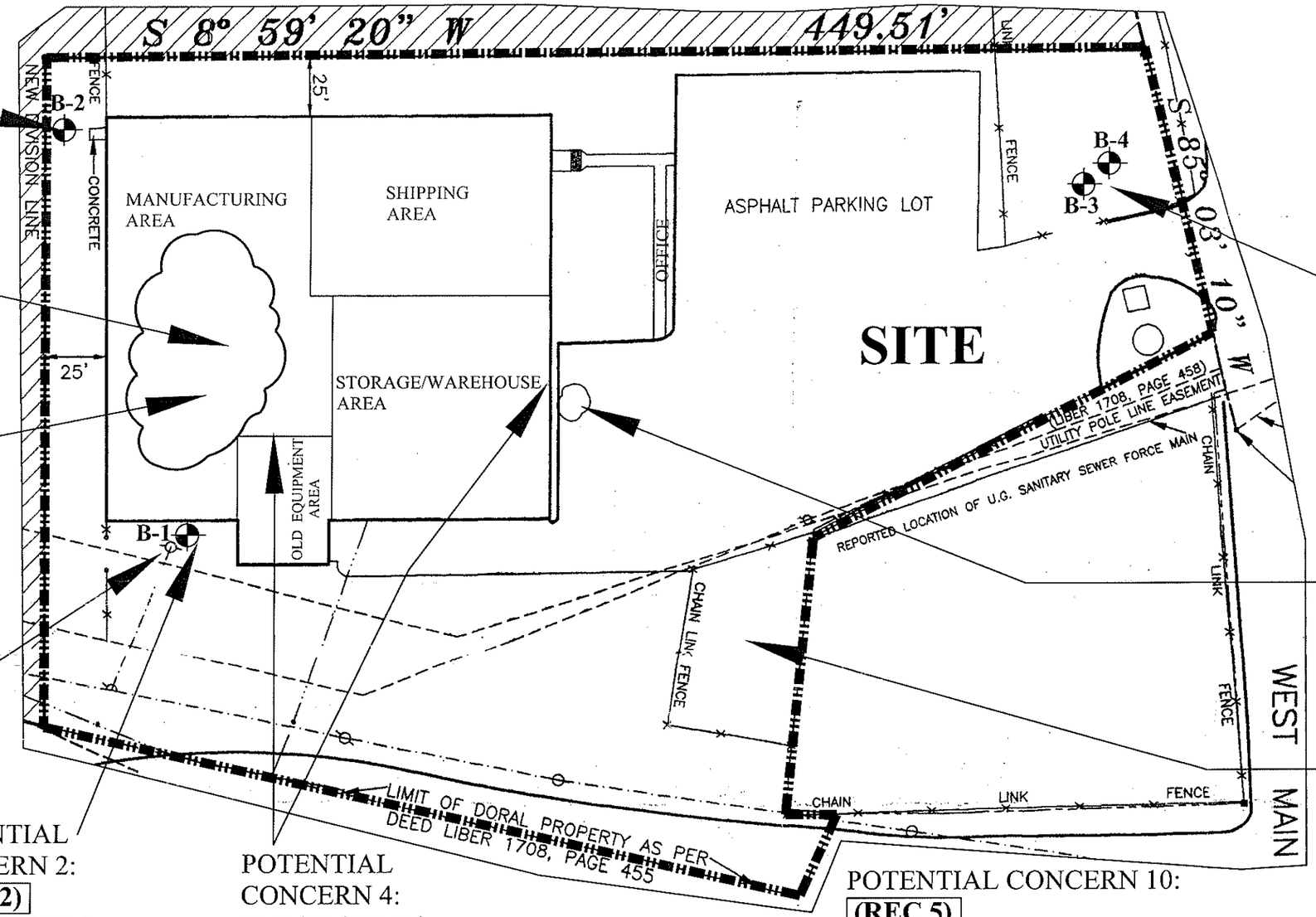
POTENTIAL CONCERN 4: FLOOR SUMPS

POTENTIAL CONCERN 3: **(REC 3)** DRUMS AND ABANDONED EQUIP. STORAGE

POTENTIAL CONCERN 8: DUMPSTER

POTENTIAL CONCERN 9: **(REC 4)** VEHICLE STORAGE AREA

POTENTIAL CONCERN 10: **(REC 5)** HISTORICAL USE



LEGEND

SITE BOUNDRY

B-1 ENVIRONMENTAL BORING

40 0 40 80 120 160 200

GRAPHIC SCALE

NOTE:

1. THE DRAWING PRESENTED HEREIN IS BASED ON THE SURVEY ENTITLED "ACQUISITION IN FEE TITLE FOR BEACON COMMUTER PARKING EXPANSION PROJECT", DATED FEB 28, 2002, PREPARED BY WELSH ENGINEERING AND LAND SURVEYING, P.C AND PROVIDED BY DAY ENGINEERING, P.C.
2. THE PLAN OF THE INTERIORS OF DOREL HAT BUILDING ARE BASED ON FIELD OBERVATIONS AND ARE NOT TO SCALE.
3. BORINGS B-1 TO B-4 PRESENTED HEREIN ARE SHOWN AT AN APPROXIMATE LOCATION BASED ON FIELD MEASUREMENTS.

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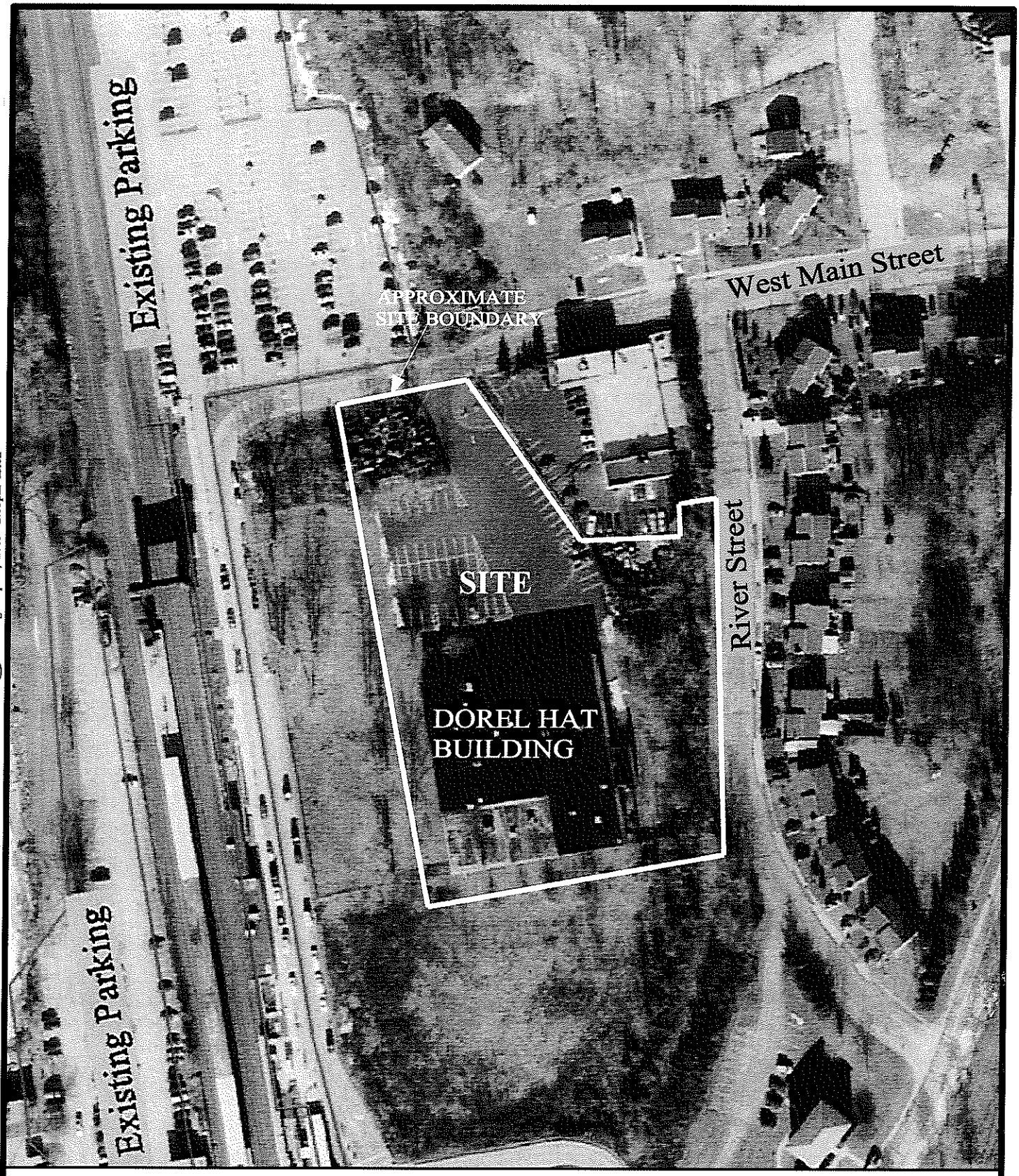
RECOGNIZED ENVIRONMENTAL CONDITIONS PLAN
DOREL HAT

BEACON

DUTCHESS NEW YORK

JOB NO.: 0507501	SCALE: AS SHOWN	DATE: 09/29/05	FIG. 3



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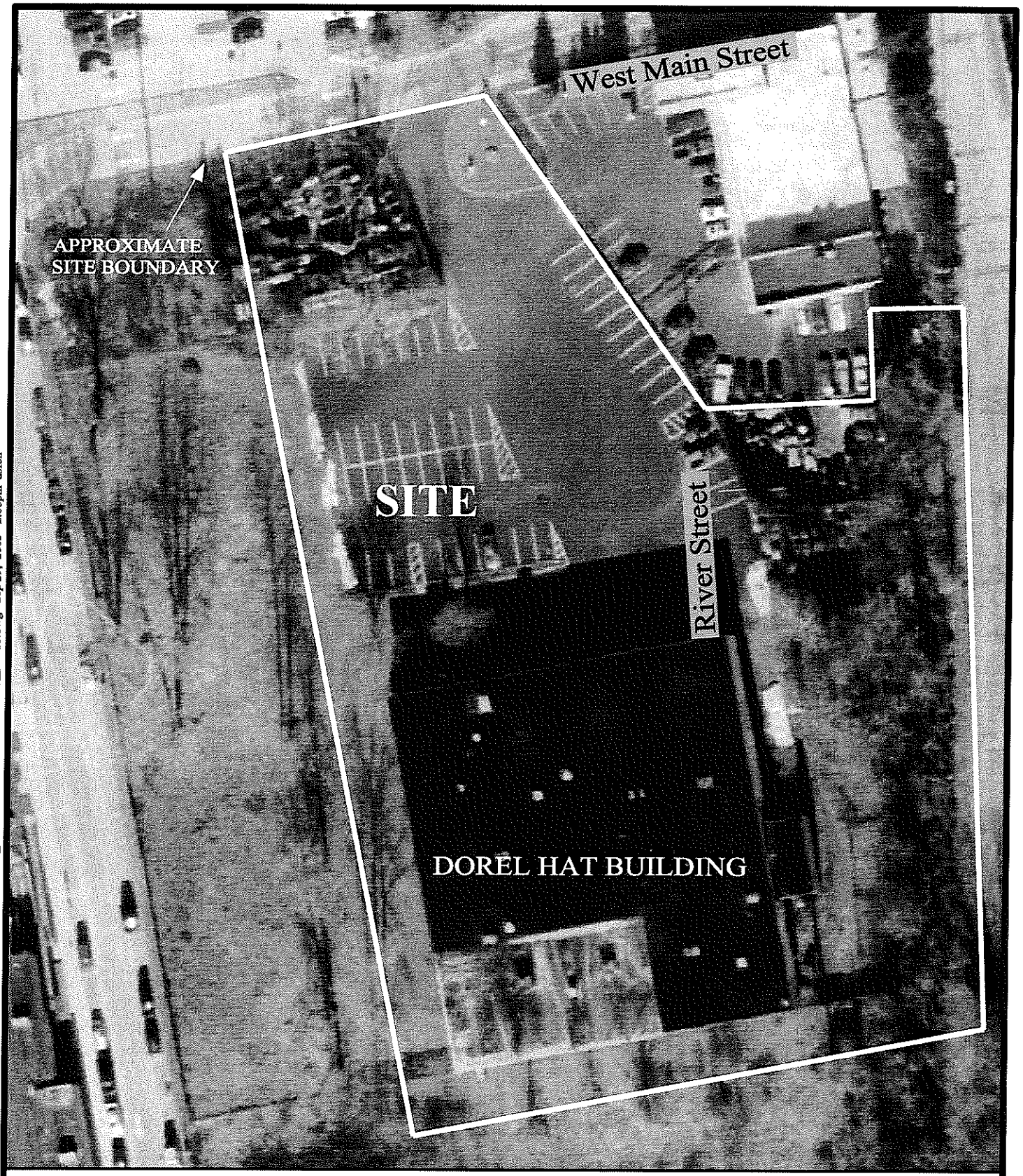
AERIAL PHOTOGRAPH-I

1 WEST MAIN STREET
BEACON
DUTCHESS NEW YORK

JOB NO.: 05075	SCALE: N.T.S	DATE: 09/29/2005	FIG. 4



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AERIAL PHOTOGRAPH-II

1 WEST MAIN STREET
BEACON
DUTCHESS NEW YORK

JOB NO.: 05075	SCALE: N.T.S	DATE: 09/29/2005	FIG. 5

APPENDIX A
Toxic Targeting Radius Map

Toxics Targeting Computerized Environmental Report

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1 West Main Street
Beacon, NY 12508

June 27, 2005

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Computerized Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

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If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

What We Won't Cover

Toxics Targeting, Inc. has not and can not verify the accuracy, correctness or completion of the information contained in this Report. Information is obtained from government agencies, site owners, and other sources and errors are common in such information. Because Toxics Targeting, Inc. can not control the accuracy of the information contained in this Report, or the uses which may be made of the information, TOXICS TARGETING, INC. DISCLAIMS LIABILITY TO ANYONE FOR ANY EVENTS ARISING OUT OF THE USE OF THE INFORMATION. TOXICS TARGETING, INC. SHALL NOT BE LIABLE FOR ANY DAMAGE CAUSED BY THIS REPORT, WHETHER DIRECT OR INDIRECT, AND WHETHER OR NOT TOXICS TARGETING, INC. HAS BEEN ADVISED OF OR HAS KNOWLEDGE OF THE POSSIBILITY OF SUCH DAMAGES. TOXICS TARGETING, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

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PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS COMPUTERIZED ENVIRONMENTAL REPORT.

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Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Computerized Environmental Report*. It checks for the presence of 18 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. Finally, a close-up map illustrates the locations of all identified toxic sites at the shortest radius search distance used in your report.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information, some have limited information. All the information is updated on a regular basis.

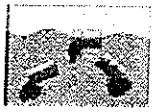
The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.
- Check Table Two to see identified sites sorted by direction.
- Check Table Three to see identified sites ranked by proximity to the target address.
- Check Table Four to see identified sites sorted by site categories.
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

Search Radius

One-Mile 

1) ***New York Inactive Hazardous Waste Disposal Site Registry:*** a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

2) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

3) ***National Priority List for Federal Superfund Cleanup:*** a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

One-Mile 

4) ***New York Hazardous Substance Disposal Site Draft Study:*** a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites are not eligible for state clean up funding programs.

One-Mile 

5) ***New York State Brownfield Cleanup Sites:*** a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

One-Mile 

6) ***New York Solid Waste Facilities Registry, including New York City 1934 Sites:*** active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

One-Mile 

7) ***New York State Major Oil Storage Facilities:*** sites with more than a 400,000 gallon capacity for storing petroleum products.

One-Mile 

8) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

One-Mile 

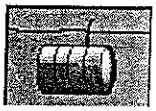
9) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

10a) ***Toxic Spills: active*** stationary source spills reported to state environmental authorities, including unremediated leaking underground storage tanks.

Half-Mile 

10b) ***Toxic Spills: closed*** stationary and non-stationary source spills reported to state environmental authorities, including remediated leaking underground storage tanks.

Quarter-Mile 

11) ***New York and Local Petroleum Bulk Storage Facilities:*** sites with more than an 1,100 gallon capacity for storing petroleum products.

Quarter-Mile 

12) ***New York and Federal Hazardous Waste Generators and Transporters:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA) Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act

Quarter-Mile 

13) ***New York Chemical Bulk Storage Facilities:*** Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Quarter-Mile 

14) ***Federal Toxic Release Inventory Facilities:*** discharges of selected toxic chemicals to air, land, water or treatment facilities.

Quarter-Mile 

15) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Quarter-Mile 

16) ***Federal Air Discharges:*** Air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Quarter-Mile 

17) ***Federal Civil and Administrative Enforcement Docket:*** judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

Property only 

18) ***ERNS: Federal Emergency Response Notification System Spills:*** a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Computerized Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: 1) additional information on individual sites may be available, 2) newly discovered sites are continually reported and 3) all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The computerized map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 18 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One

Report Summary

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
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- *Map One:* *One-Mile Radius Map*
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1 West Main Street

June 27, 2005

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site(s) Category Totals
NYS Inactive Haz Waste Registry or Reg. Qualifying Sites *	0	0	3	0	0	3
CERCLIS Sites *	0	0	2	0	0	2
National Priority List Sites *	0	0	0	0	0	0
Hazardous Substance Waste Disposal Sites *	0	1	0	0	0	1
Brownfields Sites *	0	1	2	2	1	6
NYS Solid Waste Facilities *	0	0	0	0	4	4
NYS Major Oil Storage Facilities *	0	0	0	1	0	1
RCRA Hazardous Waste Treatment, Storage, Disposal Sites *	0	0	0	0	0	0
RCRA Corrective Action Sites *	0	0	0	0	0	0
NYS Toxic Spills (incl. Leaking Undrgrnd Storage Tanks) **	0	0	1	8(0)	Not searched	9(0)
Local & State Petroleum Bulk Storage Sites ***	0	0	2	Not searched	Not searched	2
RCRA Hazardous Waste Generators & Transporters ***	0	0	0	Not searched	Not searched	0
NYS Chemical Bulk Storage Sites ***	0	0	0	Not searched	Not searched	0
Toxic Release Inventory Sites (TRI) ***	0	0	0	Not searched	Not searched	0
Permit Compliance System Toxic Wastewater Discharges ***	0	0	0	Not searched	Not searched	0
NYS Air Discharges ***	0	0	0	Not searched	Not searched	0
Civil & Administrative Enforcement Docket Facilities ***	0	0	0	Not searched	Not searched	0
ERNS (Onsite) *****	0	Not searched	Not searched	Not searched	Not searched	0
Distance Interval Totals	0	2	10	11(0)	5	28(0)

Search Radius: * 1 Mile Search Radius ** 1/2 Mile Search Radius *** 1/4 Mile Search Radius **** 1/8 Mile Search Radius ***** on-site only

Numbers in ( ) indicate spills not mapped and profiled, and are found in the tables at the end of the active and closed spills sections.
See these tables for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

1 West Main Street
Beacon, NY 12508

* Compass directions can vary substantially for sites located very close to the subject property address

Sites less than 100 feet from subject property sorted by distance

No sites found less than 100 feet from subject property

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
5	CH - BEACON MGP	416,418,420,422,424,426, 428, 430, RIVER RD.	519 feet to the SE	Brownfields Site
4	CHG&E, BEACON SITE	RIVER STREET	648 feet to the SSE	Hazardous Substance Waste Disposal Site

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
22	52 MONELL PL	SAME	2480 feet to the NNE	Closed Status Spill (Unk/Other Cause)
24	TOMPKINS TERRACE APT.	21 TOMPKINS AVE.	1364 feet to the NE	Closed Status Spill (Misc. Spill Cause)
17	VAC. LOT	RT. 9D & BEEKMAN STREET	1907 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
23	BEACON OIL	16 MAIN STREET	860 feet to the E	Closed Status Spill (Misc. Spill Cause)
25	LO-RAC FUEL CORP DBA BEACON OL	16 MAIN ST	861 feet to the E	Petroleum Bulk Storage Site
20	CERVONES AUTO	14 COMMERCE ST	1970 feet to the E	Closed Status Spill (Unk/Other Cause)
21	RENCON REST	157 MAIN ST	2170 feet to the E	Closed Status Spill (Unk/Other Cause)
10	BRUNETTO CHEESE	33 NORTH CEDAR STREET	4025 feet to the E	Brownfields Site
18	KELLAM PROPERTY	FERRY ST AND BEACON	1371 feet to the ESE	Closed Status Spill (Unk/Other Cause)
1	CHG&E, BEACON SITE	RIVER STREET	747 feet to the SSE	NYSDEC Inactive Haz Waste Site
2	CENTRAL HUDSON E&G MGP - BEACON STREET	RIVER STREET	747 feet to the SSE	CERCLIS/NYSDEC Inactive Haz Waste Site
26	DIA: BEACON	3 BEEKMAN STREET	891 feet to the SSE	Petroleum Bulk Storage Site
9	DIA CENTER FOR THE ARTS	125 WOLCOTT AVE	2296 feet to the SSE	Brownfields Site
11	ALL-COUNTY	DENNING'S AVENUE	4272 feet to the SSE	Solid Waste Facility
12	ALL-COUNTY	DENNING'S AVENUE	4272 feet to the SSE	Solid Waste Facility
14	BEACON RECY. & TRANSFER	DENNINGS AVE	4456 feet to the SSE	Solid Waste Facility
7	FERRY ROAD WATERFRONT SITE	WEST END OF FERRY STREET	1030 feet to the S	Brownfields Site
13	ALL COUNTY RESOURCE MGT.		4440 feet to the S	Solid Waste Facility
6	BEACON SALVAGE PROPERTY	RED FLYNN DRIVE	781 feet to the SSW	Brownfields Site

16	RRETT STORM	1516 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
19	GARRETT STORM	1516 feet to the SSW	Closed Status Spill (Unk/Other Cause)
15	GARRET STORM, INC	1539 feet to the SSW	Major Oil Storage Facility
8	LONG DOCK BEACON	1613 feet to the SSW	Brownfields Site
3	BEACON CITY LANDFILL (INACTIVE)	816 feet to the W	CERCLIS/NYSDEC Inactive Haz Waste Site

LONG DOCK RED F N DRIVE
FERRY STREET
LONG DOCK
5 & 12-25 LONG DOCK ROAD

MUNICIPAL PARK ADJACENT TO RAILROAD STATION

Identified Toxic Sites by Proximity

1 West Main Street, Beacon, NY 12508

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
5	CH - BEACON MGP	416,418,420,422,424,426, 428, 430, RIVER RD.	519 feet to the SE	Brownfields Site
4	CHG&E, BEACON SITE	RIVER STREET	648 feet to the SSE	Hazardous Substance Waste Disposal Site
1	CHG&E, BEACON SITE	RIVER STREET	747 feet to the SSE	NYSDEC Inactive Haz Waste Site
2	CENTRAL HUDSON E&G MGP - BEACON STREET	RIVER STREET	747 feet to the SSE	CERCLIS/NYSDEC Inactive Haz Waste Site
6	BEACON SALVAGE PROPERTY	RED FLYNN DRIVE	781 feet to the SSW	Brownfields Site
3	BEACON CITY LANDFILL (INACTIVE)	MUNICIPAL PARK ADJACENT TO RAILROAD STATION	816 feet to the W	CERCLIS/NYSDEC Inactive Haz Waste Site
23	BEACON OIL	16 MAIN STREET	860 feet to the E	Closed Status Spill (Misc. Spill Cause)
25	LO-RAC FUEL CORP DBA BEACON OL	16 MAIN ST	861 feet to the E	Petroleum Bulk Storage Site
26	DIA: BEACON	3 BEEKMAN STREET	891 feet to the SSE	Petroleum Bulk Storage Site
7	FERRY ROAD WATERFRONT SITE	WEST END OF FERRY STREET	1030 feet to the S	Brownfields Site
24	TOMPKINS TERRACE APT.	21 TOMPKINS AVE.	1364 feet to the NE	Closed Status Spill (Misc. Spill Cause)
18	KELLAM PROPERTY	FERRY ST AND BEACON	1371 feet to the ESE	Closed Status Spill (Unk/Other Cause)
16	GARRETT STORM	LONG DOCK,RED FLYNN DRIVE	1516 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
19	GARRETT STORM	FERRY STREET	1516 feet to the SSW	Closed Status Spill (Unk/Other Cause)
15	GARRET STORM, INC	LONG DOCK	1539 feet to the SSW	Major Oil Storage Facility
8	LONG DOCK BEACON	6 & 12-25 LONG DOCK ROAD	1613 feet to the SSW	Brownfields Site
17	VAC. LOT	RT. 9D & BEEKMAN STREET	1807 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
20	CERVONES AUTO	14 COMMERCE ST	1970 feet to the E	Closed Status Spill (Unk/Other Cause)
21	RENCON REST	157 MAIN ST	2170 feet to the E	Closed Status Spill (Unk/Other Cause)
9	DIA CENTER FOR THE ARTS	125 WOLCOTT AVE	2296 feet to the SSE	Brownfields Site
22	52 MONELL PL	SAME	2480 feet to the NNE	Closed Status Spill (Unk/Other Cause)
10	BRUNETTO CHEESE	33 NORTH CEDAR STREET	4025 feet to the E	Brownfields Site
11	ALL-COUNTY	DENNING'S AVENUE	4272 feet to the SSE	Solid Waste Facility
12	ALL-COUNTY	DENNING'S AVENUE	4272 feet to the SSE	Solid Waste Facility
13	ALL COUNTY RESOURCE MGT.		4443 feet to the S	Solid Waste Facility
14	BEACON RECY. & TRANSFER	DENNINGS AVE	4456 feet to the SSE	Solid Waste Facility

Identified Toxic Sites by Category

1 West Main Street
Beacon, NY 12508

* Compass directions can vary substantially for sites located very close to the subject property address.

CERCLIS/NYSDEC Inactive Hazardous Waste Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	314069	CENTRAL HUDSON E&G MGP - BEACON STREET	RIVER STREET	747 feet to the SSE
3	314024	BEACON CITY LANDFILL (INACTIVE)	MUNICIPAL PARK ADJACENT TO RAILROAD STATION	816 feet to the W

NYSDEC Inactive Haz. Waste Registry or Reg. Qualifying Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1		CHG&E, BEACON SITE	RIVER STREET	747 feet to the SSE

Hazardous Substance Waste Disposal Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	314069	CHG&E, BEACON SITE	RIVER STREET	648 feet to the SSE

Brownfields Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
5	V00293	CH - BEACON MGP	416,418,420,422,424,426, 428, 430, RIVER RD.	519 feet to the SE
6	V00444	BEACON SALVAGE PROPERTY	RED FLYNN DRIVE	781 feet to the SSW
7	V00096	FERRY ROAD WATERFRONT SITE	WEST END OF FERRY STREET	1030 feet to the S
8	C314112	LONG DOCK BEACON	8 & 12-25 LONG DOCK ROAD	1613 feet to the SSW
9	V00299	DIA CENTER FOR THE ARTS	125 WOLCOTT AVE.	2296 feet to the SSE
10	B00130	BRUNETTO CHEESE	33 NORTH CEDAR STREET	4025 feet to the E

Solid Waste Facilities

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
11	14R01	ALL-COUNTY	DENNING'S AVENUE	4272 feet to the SSE
12	14Z01	ALL-COUNTY	DENNING'S AVENUE	4272 feet to the SSE
13	14T15	ALL COUNTY RESOURCE MGT.		4443 feet to the S
14	14R07	BEACON RECY. & TRANSFER	DENNINGS AVE	4456 feet to the SSE

Major Oil Storage Facilities

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
15	3-2500	GARRET STORM, INC	LONG DOCK	1539 feet to the SSW

Active Haz Spills (Unknown Causes & Other Causes)

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
16	9212560	GARRETT STORM	LONG DOCK,RED FLYNN DRIVE	1516 feet to the SSW
17	9303959	VAC. LOT	RT. 9D & BEEKMAN STREET	1807 feet to the ENE

Closed Status Spills (Unknown Causes & Other Causes)

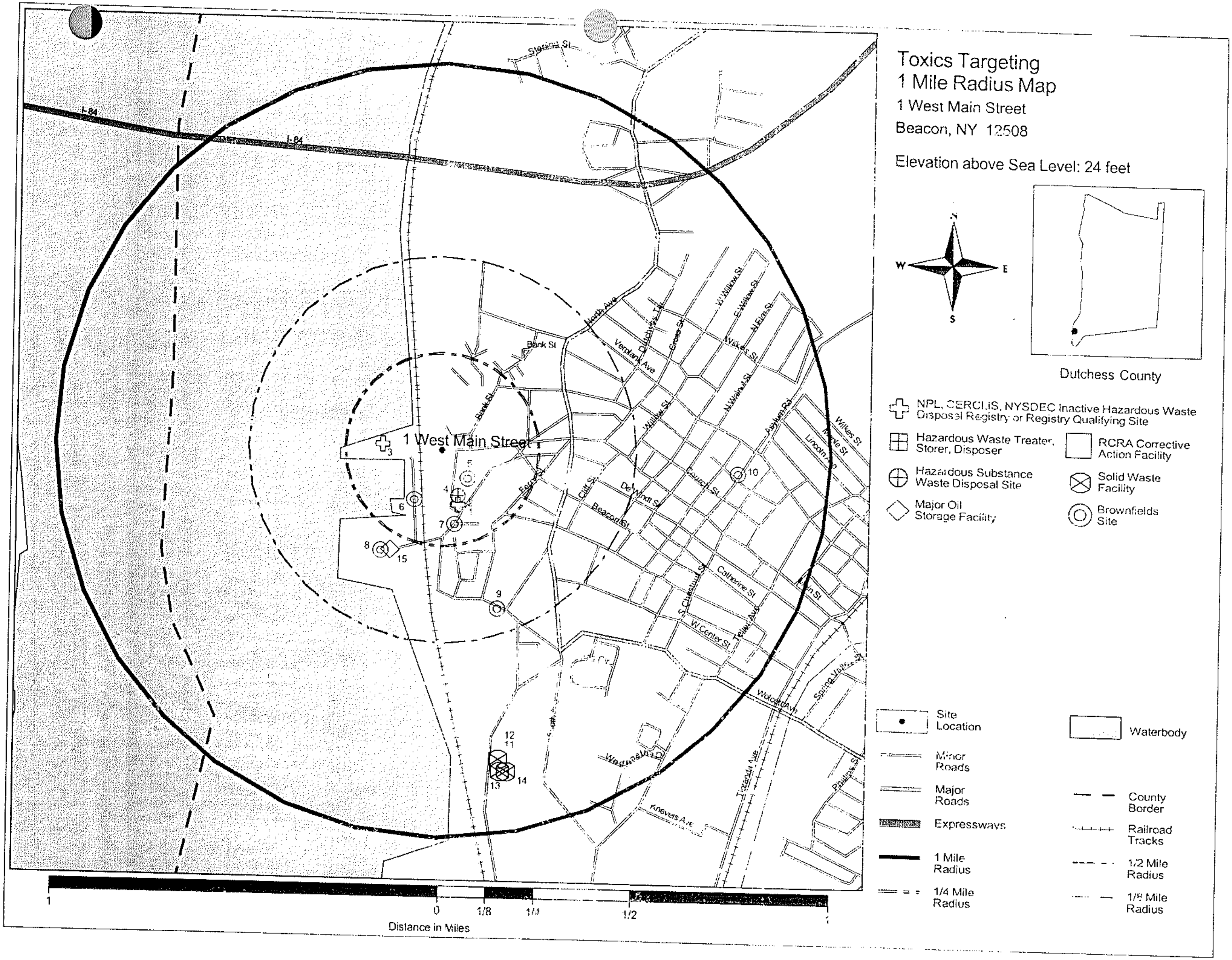
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
18	9700726	KELLAM PROPERTY	FERRY ST AND BEACON	1371 feet to the ESE
19	8900064	GARRETT STORM	FERRY STREET	1516 feet to the SSW
20	0102464	CERVONES AUTO	14 COMMERCE ST	1970 feet to the E
21	0102481	RENCON REST	157 MAIN ST	2170 feet to the E
22	9508392	52 MONELL PL	SAME	2480 feet to the NNE

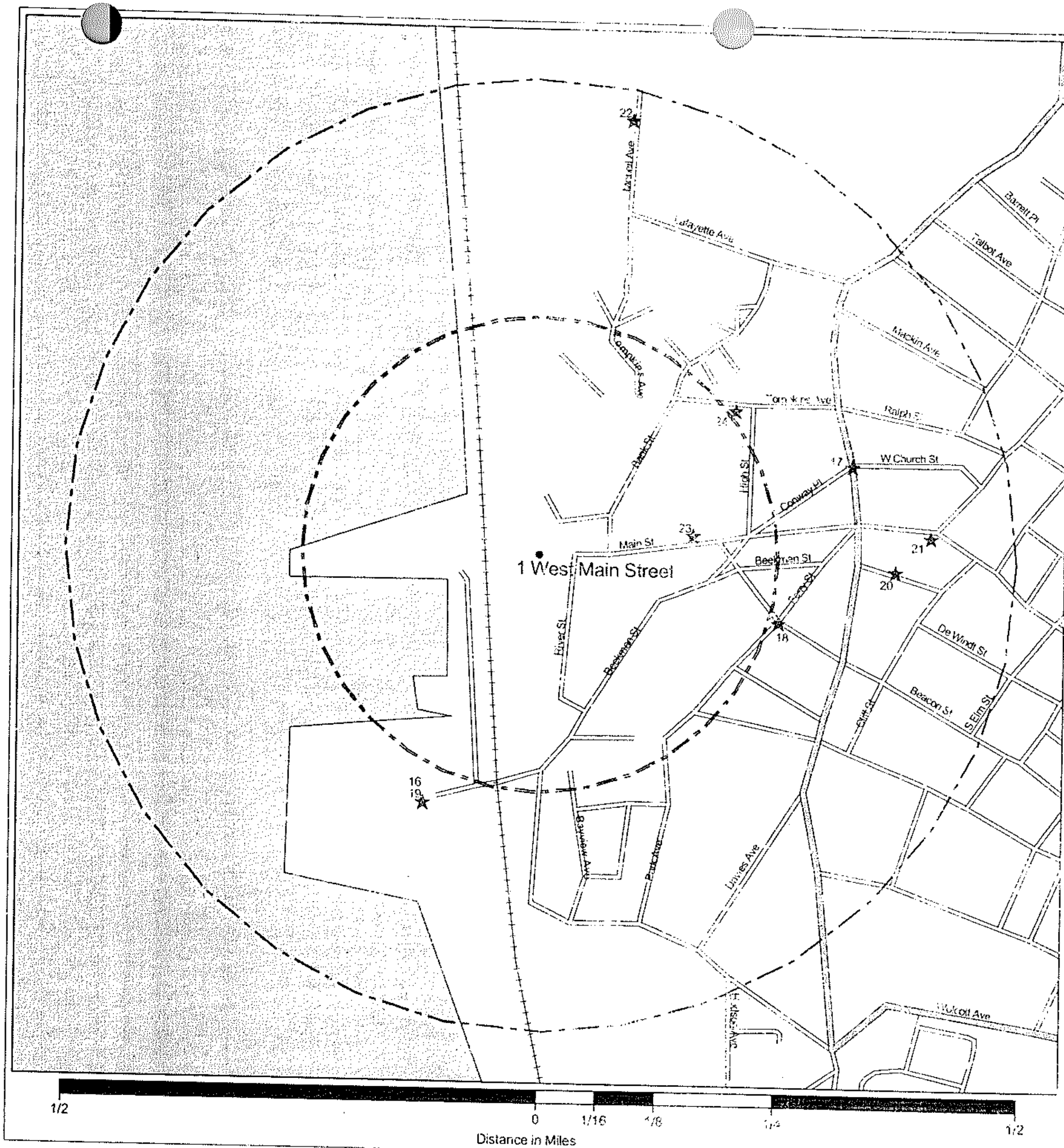
Closed Status Spills (Miscellaneous Spill Causes)

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
23	9403880	BEACON OIL	16 MAIN STREET	860 feet to the E
24	9103003	TOMPKINS TERRACE APT	21 TOMPKINS AVE	1364 feet to the NE

Petroleum Bulk Storage Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
25	3-012548	LO-RAC FUEL CORP DBA BEACON OI	16 MAIN ST	861 feet to the E
26	3-600787	DIA: BEACON	3 BEEKMAN STREET	891 feet to the SSE

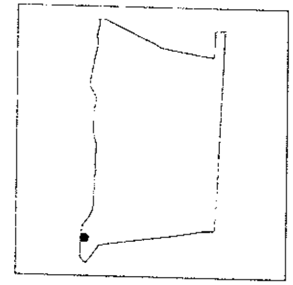

Toxics Targeting
1 Mile Radius Map
1 West Main Street
Beacon, NY 12508
Elevation above Sea Level: 24 feet
Dutchess County
N
S
E
W
NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site
Hazardous Waste Treater, Storer, Disposer
RCRA Corrective Action Facility
Hazardous Substance Waste Disposal Site
Solid Waste Facility
Major Oil Storage Facility
Brownfields Site
Site Location
Waterbody
Minor Roads
Major Roads
Expressways
County Border
Railroad Tracks
1 Mile Radius
1/2 Mile Radius
1/4 Mile Radius
1/8 Mile Radius
Distance in Miles
1
0
1/8
1/4
1/2
1
1 West Main Street
I-84
I-84
Bank St
North Ave
Verplank Ave
Cross St
W Willow St
E Willow St
N Elm St
Wilkes St
N Walnut St
Willow St
Asylum Rd
Lincoln Ave
Cliff St
DeWindt St
Beacon St
Church St
Ferry St
Catherine St
S Chestnut St
W Center St
Teller Ave
Wolcott Ave
Knevels Ave
Spring Valley St
Phillips St
Tioronda Ave
3
4
5
6
7
8
9
10
11
12
13
14
15



Toxics Targeting
1/2 Mile Radius Map

1 West Main Street
Beacon, NY 12508

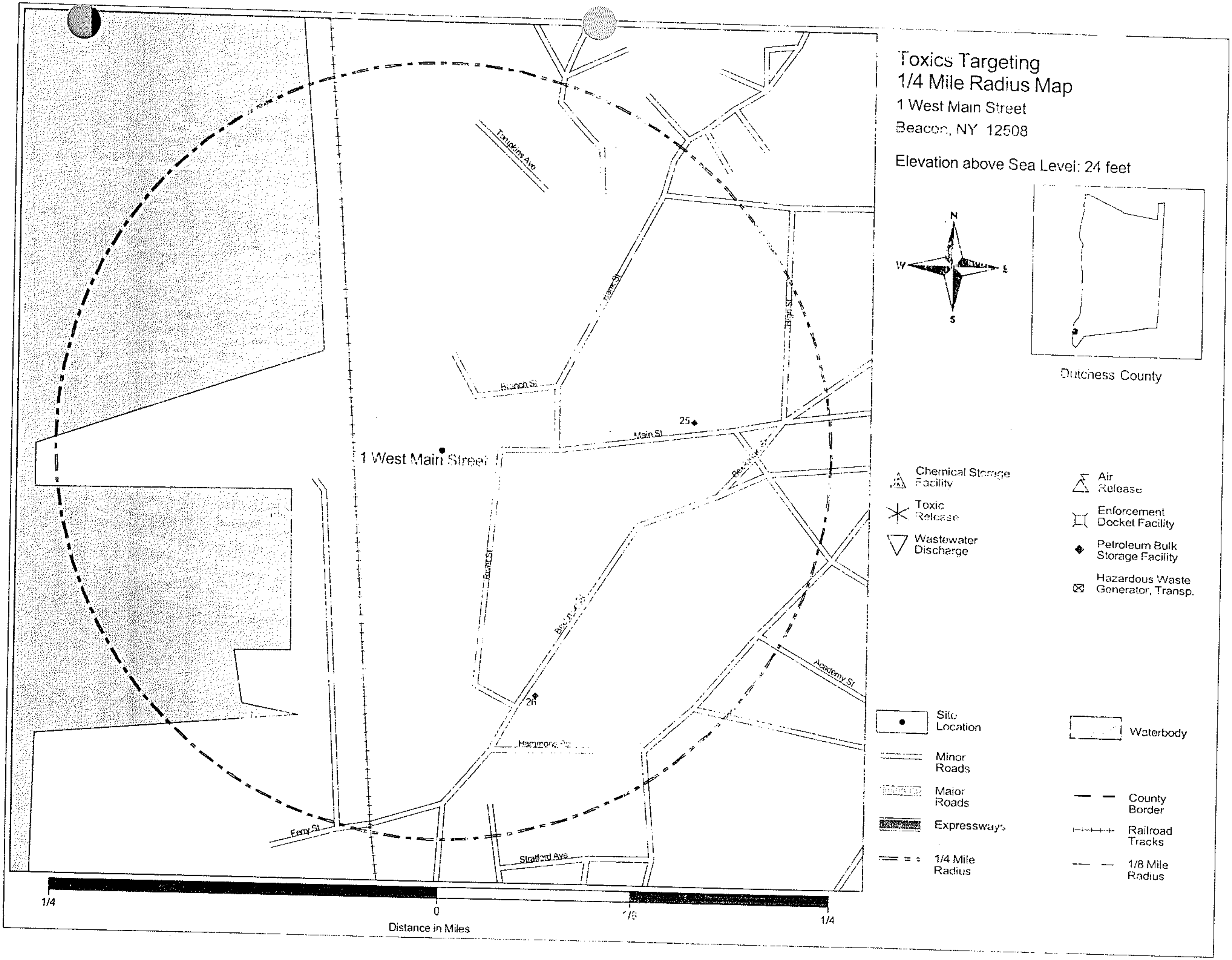
Elevation above Sea Level: 24 feet

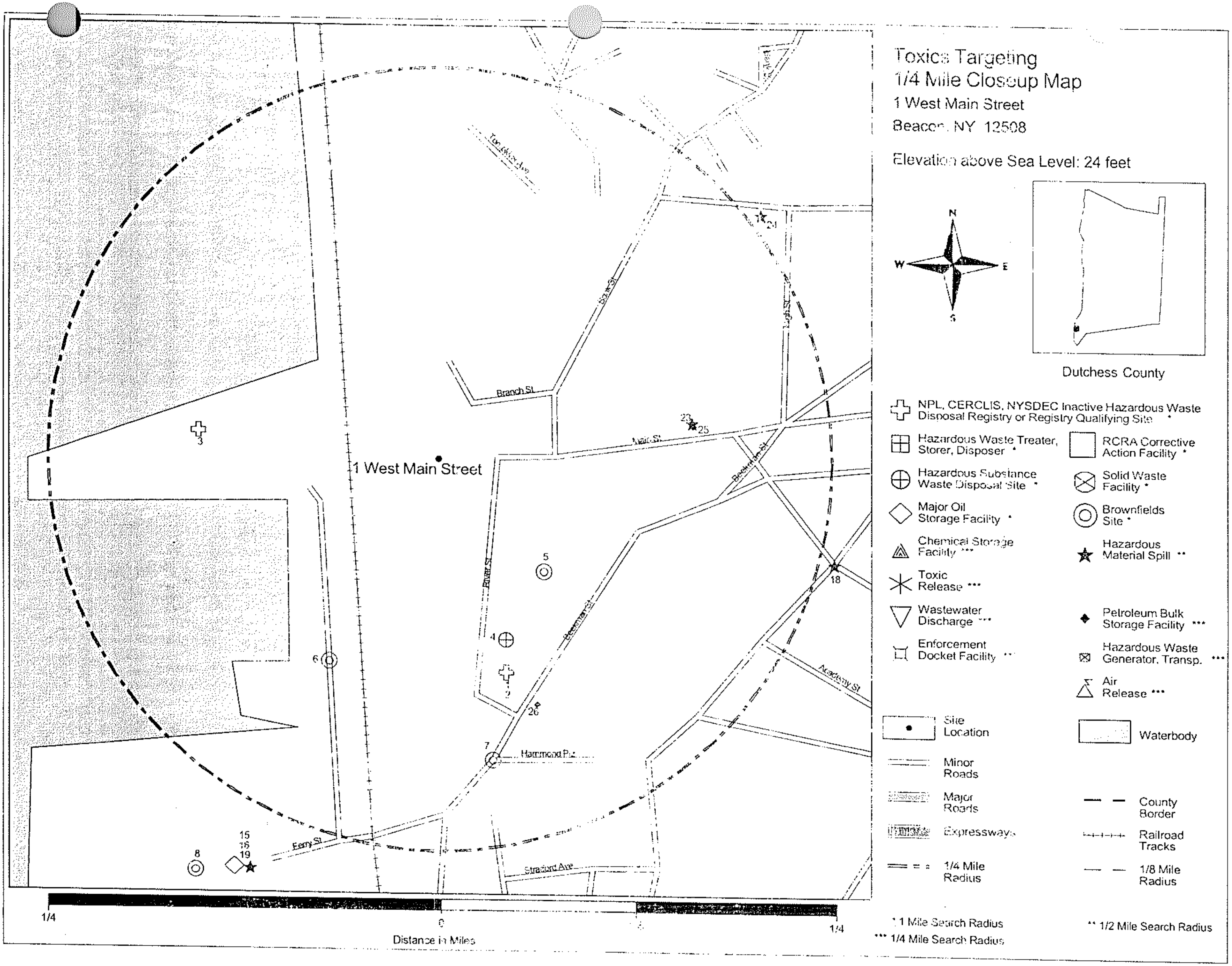


Dutchess County

Hazardous Material Spill

Site Location
Waterbody
Minor Roads
Major Roads
County Border
Expressways
Railroad Tracks
1 Mile Radius
1/2 Mile Radius
1/4 Mile Radius
1/8 Mile Radius


Toxics Targeting
1/4 Mile Radius Map
1 West Main Street
Beacon, NY 12508
Elevation above Sea Level: 24 feet
N
W
E
S
Dutchess County
1 West Main Street
Tompkins Ave
Bank St
Branch St
Main St
25
26
Hammond Pl
Ferry St
Stratford Ave
Academy St
Chemical Storage Facility
Air Release
Toxic Release
Enforcement Docket Facility
Wastewater Discharge
Petroleum Bulk Storage Facility
Hazardous Waste Generator, Transp.
Site Location
Waterbody
Minor Roads
Major Roads
County Border
Expressways
Railroad Tracks
1/4 Mile Radius
1/8 Mile Radius
1/4
0
1/8
1/4
Distance in Miles


Toxics Targeting
1/4 Mile Closeup Map
1 West Main Street
Beacon, NY 12508
Elevation above Sea Level: 24 feet
N
W
E
S
Dutchess County
1 West Main Street
Branch St
Main St
River St
Beekman St
Hammond Plz
Ferry St
Stratford Ave
Academy St
NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site *
Hazardous Waste Treater, Storer, Disposer *
RCRA Corrective Action Facility *
Hazardous Substance Waste Disposal Site *
Solid Waste Facility *
Major Oil Storage Facility *
Brownfields Site *
Chemical Storage Facility ***
Hazardous Material Spill **
Toxic Release ***
Wastewater Discharge ***
Petroleum Bulk Storage Facility ***
Enforcement Docket Facility **
Hazardous Waste Generator, Transp. ***
Air Release ***
Site Location
Waterbody
Minor Roads
Major Roads
Expressways
County Border
Railroad Tracks
1/4 Mile Radius
1/8 Mile Radius
1/4
0
1/4
Distance in Miles
* 1 Mile Search Radius
** 1/2 Mile Search Radius
*** 1/4 Mile Search Radius

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites (A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information.

Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards:

New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

D1, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

1 West Main Street

* NPL, CERCLIS, INACTIVE HAZARDOUS WASTE REGISTRY SITES AND/OR REGISTRY QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS *

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

The New York State Department of Environmental Conservation issues Quarterly Status Reports of the Inactive Hazardous Disposal Site Registry. Part Five of those reports identifies "all sites that are under an investigation by the DEC in order to determine whether or not the site meets the statutory definition of an inactive hazardous waste disposal site." Sites identified in Part Five are not currently listed in the Registry and may be added to the Registry or dropped from consideration. This section contains information on those sites.

Map Identification Number 1 **CHG&E, BEACON SITE**
RIVER STREET
BEACON, NY
Facility Id:

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 747 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - NYSDEC REGISTRY QUALIFYING - X

****

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

Registry Qualifying Investigations Underway from:
07/1999 to 10/1999

Map Identification Number 2 **CENTRAL HUDSON E&G MGP - BEACON STREET**
RIVER STREET
BEACON, NY 12508
Facility Id: 314069

EPA Facility Name: CENTRAL HUDSON G & E /BEACON GAS PLANT
RIVER ST
BEACON, NY 12508
EPA Facility Id: NYD980531792

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (2)
Approximate distance from property: 747 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - X NYSDEC REGISTRY - X NYSDEC REGISTRY QUALIFYING -

This facility has been deleted from the reported data. Data reflects last reported information.

****

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: D1
CLASSIFICATION CODE DESCRIPTION:
Delisted site - hazardous waste not found

REGION: 3

SITE CODE: 114069
EPA ID: NYD980531792

NAME OF SITE: Central Hudson E&G MGP - Beacon Street
STREET ADDRESS: River Street
TOWN/CITY: Beacon ZIP: 12508

COUNTY: Dutchess

SITE TYPE: Dump-X Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE:

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME.....: Jeffrey Staten
ADDRESS..: 420 River Street, Beacon, NY 12508
NAME.....: Hassan Toy
ADDRESS..: 422 River Street, Beacon, NY 12508
NAME.....: Jeffrey L. Boetign
ADDRESS..: 424 River Street, Beacon, NY 12508
NAME.....: Robert Harrington
ADDRESS..: 426 River Street, Beacon, NY 12508
NAME.....: Gurmukh Singh
ADDRESS..: 428 River Street, Beacon, NY 12508
NAME.....: Joseph Stezel
ADDRESS..: 430 River Street, Beacon, NY 12508
OWNER DURING DISPOSAL:
NAME.....:
OPERATOR(S) DURING DISPOSAL:
NAME.....: Central Hudson Gas & Electric Corp.
ADDRESS..: 284 South Avenue, Poughkeepsie, NY 12601

HAZARDOUS WASTE DISPOSAL PERIOD: from 1871 to 1933

SITE DESCRIPTION:
A former coal gasification plant operated at this site. The property was subsequently owned by Central Hudson and Gas Co. and later by private owners for residential use. During construction of the homes and services, some tar was found and removed by Central Hudson. At this time it is not known if coal tar exists at other locations on or near the property. There is a potential for soil vapors in adjacent base- ments. Responsible Party Phase I and II investigations have been completed. Groundwater standards for cadmium, chromium, iron, lead and manganese have been contravened. These metals are c ommon to gas processing residues. Wastes generated from the coal gasification process are not considered to be hazardous waste by present DEC program definitions .

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY

ANALYTICAL DATA AVAILABLE FOR: Air-
APPLICABLE STANDARDS EXCEEDED IN: Groundwater-X Surface Water-
Drinking Water-X Groundwater-X Soil-X Sediment-
Surface Water- Air-

GEOTECHNICAL INFORMATION:
SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION: Type:
STATUS: Negotiation in Progress- State-
REMEDIAL ACTION: Proposed- Under Design- Order Signed-X Federal-
NATURE OF ACTION: In Progress- Completed-

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
Groundwater standards contravened for cadmium, chromium, iron, lead, andmanganese. High PAH's in soil.
Contamination from wastes other than hazardous.

ASSESSMENT OF HEALTH PROBLEMS:

****

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD980531792
Site Name: CENTRAL HUDSON G & E /BEACON GAS PLANT Site-ID: 0201958
Site Street: RIVER ST
Site City/State/Zip: BEACON, NY 12508

NFRAP (No Further Remedial Activity Planned) Status: NO FURTHER REMEDIAL ACTION PLANNED

Owner Indicator: Other
Incident Type:
Incident Category:
Non-NPL Status: NFRAP
Federal Facility Flag: Not a Federal Facility

NPL Status Indicator: Not on the NPL
USGS Hydrological Unit: 02020008
RCRA Flag:

SITE DESCRIPTION:
SITE LOCATED APPROX 1000 FT EAST OF HUDSON RIVER. CENTRAL HUDSON GAS & ELEC CORP ALLEGEDLY FOUND & REMOVED TAR-LIKE SUBSTANCE DURING EXCAVATION FOR HOUSES NOW ON SITE. TAR DESCRIBED AS COAL TAR BY NYDEC.

OPERABLE UNIT INFORMATION

Operable Unit ID: 00 Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name:	DISCOVERY	Actual Start Date:	
Lead:	EPA Fund-Financed	Actual Completion Date:	19810601
Qualifier:		Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	No Entry into IFMS	Financial Budget Source:	
Anomaly Indicator:			

Name:	PRELIMINARY ASSESSMENT	Actual Start Date:	
Lead:	EPA Fund-Financed	Actual Completion Date:	19860924
Qualifier:	Low	Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	Both Intramural and Extramural Entry into IFMS	Financial Budget Source:	Remedial
Anomaly Indicator:			

Name:	SITE INSPECTION	Actual Start Date:	19870615
Lead:	EPA Fund-Financed	Actual Completion Date:	19870623
Qualifier:	NFRAP (No Further Remedial Action Planned	Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	Both Intramural and Extramural Entry into IFMS	Financial Budget Source:	Remedial
Anomaly Indicator:			

Name:	ARCHIVE SITE	Actual Start Date:	
Lead:	EPA In-House	Actual Completion Date:	19870623
Qualifier:		Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	No Entry into IFMS	Financial Budget Source:	
Anomaly Indicator:			

FINANCIAL INFORMATION

No financial information was provided

Map Identification Number 3 **BEACON CITY LANDFILL (INACTIVE)** Facility Id: 314024
MUNICIPAL PARK ADJACENT TO RAILROAD STATIONBEACON, NY 12508

EPA Facility Name: BEACON LF
MUNICIPAL PARK
BEACON, NY 12508 EPA Facility Id: NYD980507719

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 816 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: Municipal Park adjacent to railroad station
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - X NYSDEC REGISTRY - X NYSDEC REGISTRY QUALIFYING -

This facility has been deleted from the reported data. Data reflects last reported information.

****

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: D1
CLASSIFICATION CODE DESCRIPTION:
Delisted site - hazardous waste not found

REGION: 3

SITE CODE: 314024
EPA ID: NYD980507719

NAME OF SITE: Beacon City Landfill (Inactive)
STREET ADDRESS: Municipal Park adjacent to railroad station
TOWN/CITY: Beacon ZIP: 12508

COUNTY: Dutchess

SITE TYPE: Dump- Structure- Lagoon- Landfill-X Treatment Pond-

ESTIMATED SIZE: 5 Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME.....: City of Beacon
ADDRESS..: 1 Municipal Plaza, Suite 1, Beacon, NY 12508
OWNER DURING DISPOSAL:
NAME.....: City of Beacon
OPERATOR(S) DURING DISPOSAL:
NAME.....: City of Beacon
ADDRESS..: 427 Main Street, Beacon, NY 12508

HAZARDOUS WASTE DISPOSAL PERIOD: from mid 1930's to Oct. 1968

SITE DESCRIPTION:
This site received municipal, commercial and industrial wastes including wastes from a local dye works. The site has four feet of soil and vegetative cover over a plastic liner. Groundwater discharges to the Hudson River. A Phase I Investigation has been completed. A Phase II Investigation, completed in March of 1991, found no evidence of hazardous waste disposal. Analysis of surface water samples collected from the adjacent Hudson River, revealed no contamination attributable to the former land- fill. The site is currently used as a public park and is located just north of the Beacon Metro Train station. The site will be referred to the Division of Solid Waste for their continued oversight.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY

ANALYTICAL DATA AVAILABLE FOR: Air- Surface Water-X Groundwater- Soil-X Sediment-X
APPLICABLE STANDARDS EXCEEDED IN: Groundwater- Drinking Water- Surface Water- Air-

GEOTECHNICAL INFORMATION:
SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION: Type:
STATUS: Negotiation in Progress- State-
REMEDIAL ACTION: Proposed Under Design- Order Signed- Federal-
NATURE OF ACTION: In Progress- Completed-

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
There is no evidence of leachate at the site. There is no evidence of surface water contamination attributable to the landfill. No environmental problems exist that can be associated with the disposal of hazardous waste.

ASSESSMENT OF HEALTH PROBLEMS:

****

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD980507719
Site Name: BEACON LF
Site Street: MUNICIPAL PARK
Site City/State/Zip: BEACON, NY 12508
Site-ID: 0201768

NFRAP (No Further Remedial Activity Planned) Status: NO FURTHER REMEDIAL ACTION PLANNED

Owner Indicator: Other
Incident Type:
Incident Category:
Non-NPL Status: NFRAP
Federal Facility Flag: Not a Federal Facility
NPL Status Indicator: Not on the NPL
USGS Hydrological Unit: 02020008
RCRA Flag:

SITE ALIAS INFORMATION

Alias Name: BEACON LF
Alias Street: NY
Alias City/State/Zip: DUTCHESS
Alias ID. 101

OPERABLE UNIT INFORMATION

Operable Unit ID: 00 Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name:	DISCOVERY	Actual Start Date:	
Lead:	EPA Fund-Financed	Actual Completion Date:	19800401
Qualifier:		Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	No Entry into IFMS	Financial Budget Source:	
Anomaly Indicator:			

Name:	SITE INSPECTION	Actual Start Date:	19810901
Lead:	EPA Fund-Financed	Actual Completion Date:	19811001
Qualifier:		Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	Both Intramural and Extramural Entry into IFMS	Financial Budget Source:	Remedial
Anomaly Indicator:			

Name:	PRELIMINARY ASSESSMENT	Actual Start Date:	
Lead:	State, Fund Financed	Actual Completion Date:	19870304
Qualifier:	Low	Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	Both Intramural and Extramural Entry into IFMS	Financial Budget Source:	Remedial
Anomaly Indicator:			

Name:	SITE INSPECTION	Actual Start Date:	19901001
Lead:	EPA Fund-Financed	Actual Completion Date:	19901228
Qualifier:	NFRAP (No Futher Remedial Action Planned)	Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	Both Intramural and Extramural Entry into IFMS	Financial Budget Source:	Remedial
Anomaly Indicator:			

Name:	SITE INSPECTION	Actual Start Date:	19910101
Lead:	State, Fund Financed	Actual Completion Date:	19910624
Qualifier:	NFRAP (No Futher Remedial Action Planned)	Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	Both Intramural and Extramural Entry into IFMS	Financial Budget Source:	Remedial
Anomaly Indicator:			

Name:	ARCHIVE SITE	Actual Start Date:	
Lead:	EPA In-House	Actual Completion Date:	19910624
Qualifier:		Operable Unit ID:	00
Category:		Planning Status:	
IFMS Entry:	No Entry into IFMS	Financial Budget Source:	
Anomaly Indicator:			

FINANCIAL INFORMATION

No financial information was provided

* HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS *

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 4 **CHG&E, BEACON SITE**
RIVER STREET
BEACON, NY 12508
Site Number Id: HS3010 **Registry ID 314069**

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (2)
Approximate distance from property: 648 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

****

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Hazardous Waste Remediation
Hazardous Substance Waste Disposal Site Study

Inventory Status: Removed from the Hazardous Substance Inventory
Reason site did not qualify for the Inventory:
Site in Voluntary Cleanup Program

SITE INFORMATION

Site Name: CHG&E, BEACON SITE
Site Street: RIVER STREET
Site City: BEACON
Site Zip: 12508
Region: 3

Site Number: HS3010
Registry: Delisted
Registry Site ID: 314069
RCRA: Unknown
EPA ID: NYD980531792

US EPA No Further Remedial Action Planned? Unknown

Site Code: 2A
Description: COAL GASIFICATION PLANT

Acres: 1.00
Completed Investigation? phase 1
Is Site Active: No
Years of Operation: 1871 to 1939

Quadrangle: Unknown
HRS Score: 23.16
HRS Date: 5/89

Site Description:
The coal gasification facility used a process known as carbonization until 1910 when the Lowe Carburetted water process was implemented. By 1920 gas production had risen to an average of 10 million ft^3/yr. The plant was owned by several private parties including CHG&E. Now the property is owned by 8 separate private parties. Tar was found on site 14-15' below the surface during a 1934 removal of a steel gas holder tank, while excavating for sewer line installation. Less than 5 gallons were recovered at that time.

Owner: Municipal
Owner Name: CITY OF BEACON
Owner Street: 424,426,428,430 RIVER ST.
Owner City/ZIP/State: BEACON, NY 12508
Owner Telephone: Unknown

Operator: INACTIVE
Operator Name: Unknown
Operator Street: Unknown
Operator City/ZIP/State:
Operator Telephone: Unknown

SITE IMPACT DATA

Affected Media:

Contamination of...
...Surface Water? Unknown
...Groundwater? Yes
...Drinking Water? No
Surface Water Class: Unknown
Groundwater Class: Unknown

Hazardous Substance Exposed? No
Controlled Site Access? No
Ambient Air Contamination? No
Threat of Direct Contact? Unknown
Documented Fish or Wildlife Mortality? Unknown
Impact on Special Status Fish or Wildlife Resource? Unknown
Active Drinking Water Supply? Yes

Descriptions:

Surface Water:
Surface water can be found 800' west of the site.

Groundwater:
Groundwater can be found 20 ' below the surface. Flowing in a west to northwest direction.

Drinking Water:
The nearest drinking well is located upgradient from the site. (.9 miles north)

Fish or Wildlife Mortality: None provided
Special Status Fish or Wildlife Resource: None provided

Building:
Private homes can be found on site.

THREAT TO THE ENVIRONMENT OR PUBLIC HEALTH

Threat to the Environment or the Public Health: Environment/Public Health

Threat Posed by Disposed Hazardous Substance:
VOC's, PAH's, and inorganic compounds have been positively identified on site. Liners and barriers were not used at the site. The area has been excavated and reworked. More of the coal tar found on site could still remain buried on other parts of the site.

HAZARDOUS SUBSTANCES DISPOSED:

VOCs: Yes Semi-VOCs: Yes PCBs: No Pesticides: No Metals: No Asbestos: No

Hazardous Substances Disposed:
Coal Tar Wastes: benzene 71-43-2, ethylbenzene 100-41-4, methylene chloride 75-09-2, toluene 108-88-3, acenaphthene 83-32-9 acenaphthylene 208-96-8, benzo(a)anthracene 56-55-3, benzo(k)fluoranthene 207-08-9, chrysene 218-01-9, fluoranthene 206-44-0, naphthalene 91-20-3

SELECTED ANALYTICAL INFORMATION:

Samples Collected:
Air, Groundwater, Surface Soil, Subsurface Soil

Air:
2 air samples and 8 soil vapor samples were taken.

Surface Water: None provided

Surface Soil:
Analyses indicated that organic compounds associated with coal gasification have been positively identified in the surface soil samples and to a limited extent in the subsurface soils.

Waste: None provided
EPToxicity: None provided

Groundwater:
Inorganic compounds were found in the groundwater, while organic compounds were not.

Sediment: None provided

Subsurface Soil:
See Sursoil

Leachate: None provided
TCLP: None provided

AGENCY INFORMATION:

Regulatory Agencies Involved:
NYSDEC Dutchess County DOH EPA

Preparer:
Julie Welch EnvEngrTech1 May 24, 1994

* BROWNFIELDS SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS *

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 5 **CH - BEACON MGP**
416,418,420,422,424,426, 428, 430, RIVER RD. BEACON, NY 12508 **Facility Id: V00293**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 519 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 416 RIVER RD
Revised zip code: NO CHANGE

Brownfield Program: Voluntary Cleanup Program

Volunteer: Central Hudson Gas & Electric Corp.

Map Identification Number 6 **BEACON SALVAGE PROPERTY**
RED FLYNN DRIVE BEACON, NY 12508- **Facility Id: V00444**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 781 feet to the SSW
This facility has been deleted from the reported data. Data reflects last reported information.

ADDRESS CHANGE INFORMATION
Revised street: RED FLYNN DR
Revised zip code: NO CHANGE

Brownfield Program: Voluntary Cleanup Program

Volunteer: SCENIC HUDSON LAND TRUST, INC.

Map Identification Number 7 **FERRY ROAD WATERFRONT SITE**
WEST END OF FERRY STREET BEACON, NY 12508 **Facility Id: V00096**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1030 feet to the S
This facility has been deleted from the reported data. Data reflects last reported information.

ADDRESS CHANGE INFORMATION
Revised street: FERRY ST
Revised zip code: NO CHANGE

Brownfield Program: Voluntary Cleanup Program

Volunteer: Scenic Hudson Land Trust, Inc.

Map Identification Number 8 **LONG DOCK BEACON**
8 & 12-25 LONG DOCK ROAD
BEACON, NY 12508-
Facility Id: C314112

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1613 feet to the SSW

Brownfield Program: Brownfield Cleanup Program

ADDRESS CHANGE INFORMATION
Revised street: LONG DOCK RD
Revised zip code: NO CHANGE

Map Identification Number 9 **DIA CENTER FOR THE ARTS**
125 WOLCOTT AVE.
BEACON, NY 12508-
Facility Id: V00299

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2296 feet to the SSE

Brownfield Program: Voluntary Cleanup Program

Volunteer: Dia Center for the Arts

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Map Identification Number 10 **BRUNETTO CHEESE**
33 NORTH CEDAR STREET
BEACON (C), NY 12508-
Facility Id: B00130

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4025 feet to the E

Brownfield Program: Environmental Restoration Program

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

* SOLID WASTE FACILITIES IDENTIFIED WITHIN THE 1 MILE SEARCH RADIUS *

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 11 **ALL-COUNTY**
DENNING'S AVENUE
BEACON
Facility Id: 14R01

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4272 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 78 DENNINGS AV
Revised zip code: NO CHANGE

This facility has been deleted from the reported data. Data reflects last reported information.

PERMIT NUMBER	PERMIT EXPIRES	FACILITY TYPE	FACILITY STATUS	WASTE TYPES
		SMALL TRANSFER STATION (<50000 CY/YR)	Registered	Residential

Map Identification Number 12 **ALL-COUNTY**
DENNING'S AVENUE
BEACON
Facility Id: 14Z01

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4272 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 78 DENNINGS AVE
Revised zip code: NO CHANGE

PERMIT NUMBER	PERMIT EXPIRES	FACILITY TYPE	FACILITY STATUS	WASTE TYPES
3130200028000030	06/30/2001	MISCELLANEOUS/UNKNOWN	None	Residential

Map Identification Number 13 **ALL COUNTY RESOURCE MGT.**
NO ADDRESS INFORMATION PROVIDED
Facility Id: 14T15

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4443 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 80 DENNINGS AVE
Revised zip code: UNKNOWN

PERMIT NUMBER	PERMIT EXPIRES	FACILITY TYPE	FACILITY STATUS	WASTE TYPES
3130200028000030	06/03/2000	LARGE TRANSFER STATION (>50000 CY/YR)	None	Sludge, Grit

Map Identification Number 14 **BEACON RECY. & TRANSFER**
DENNINGS AVE

BEACON **Facility Id: 14R07**

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (2)
Approximate distance from property: 4456 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 12580

PERMIT NUMBER	PERMIT EXPIRES	FACILITY TYPE	FACILITY STATUS	WASTE TYPES
		SMALL TRANSFER STATION (<50000 CY/YR)	Registered	Residential, Demolition, Recyclables

**** OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1 MILE SEARCH RADIUS ****

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 15 **CARRET STORM, INC**
LONG DOCK

BEACON, NY 12508

Facility Id 3-2500

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1539 feet to the SSW

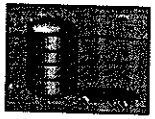
ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

TANK NUMBER	TANK STATUS	PETROLEUM PRODUCT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE

NO TANK INFORMATION WAS REPORTED FOR THIS SITE.

** NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1 MILE SEARCH RADIUS **

*** NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS ***



HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in Manhattan) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

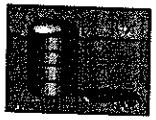
* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.



NO ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 16 **GARRETT STORM**
LONG DOCK,RED FLYNN DRIVE BEACON, NY NO ZIP PROVIDED **Spill Number: 9212560** **Close Date:**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1516 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 12508

**Information updated through: 01/31/2005

Source of Spill: MAJOR OIL FACILITY (>400,000 GAL)
Notifier Type: RESPONSIBLE PARTY
Caller Name: JOHN GRIFFITH
DEC Investigator: McCABE

Spiller: SAME
Notifier Name:
Caller Agency: GARRETT STORM INC.
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (914) 831-1100
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

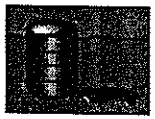
Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
02/04/1993		UNKNOWN	GROUNDWATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	0	POUNDS	NO	0	POUNDS	NO

Caller Remarks: DISCOVERED CONTAMINATED SOIL WHILE DIGGING TEST HOLES O'MARA IS AWARE OF SITE

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

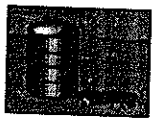
** See beginning of spills section for more details.



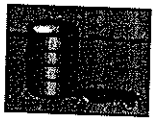
NO ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/4 Mile. Between 1/4 Mile and 1/2 Mile, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/4 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
No dropped spills found for this category			



NO CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



NO CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 18 **KELLAM PROPERTY**
FERRY ST AND BEACON
BEACON, NY NO ZIP PROVIDED

Spill Number: 9700726 **Close Date: 06/23/1997**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1371 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: FERRY ST / BEACON ST
Revised zip code: 12508

**Information updated through: 01/01/2002

Source of Spill: PRIVATE DWELLING
Notifier Type: OTHER
Caller Name: DEBBIE THOMPSON
DEC Investigator: MCCABE

Spiller: KELLAM PROPERTY
Notifier Name: DEBBIE THOMPSON
Caller Agency: IRA D CONKLIN & SON
Contact for more spill info: ABOVE

Spiller Phone:
Notifier Phone: (914) 561-1512
Caller Phone: (914) 561-1512
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
04/10/1997		UNKNOWN	ON LAND	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
LUBRICATING OIL	PETROLEUM	0	GALLONS	YES	0	GALLONS	NO

Caller Remarks: comp was excavating soil on property and found to be saturated by lube oil soil excavated sample taken waiting for sample to come back

DEC Investigator Remarks: 06/23/97 LETTER SENT; BASED ON SITE ASSESSMENT REPORT, NFA;

** See beginning of spills section for more details.

Map Identification Number 19 **GARRETT STORM**
FERRY STREET
BEACON, NY NO ZIP PROVIDED

Spill Number: 2900064 **Close Date: 06/10/1989**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1516 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 12508

**Information updated through: 01/01/2002

Source of Spill: UNKNOWN
Notifier Type: DEC
Caller Name: JOHN K. O'MARA
DEC Investigator: D. TRAVER

Spiller:
Notifier Name:
Caller Agency: NYSDEC
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (914) 255-5453
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
04/04/1989	06/10/1989	UNKNOWN	GROUNDWATER	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: POSSIBLE CONTAMINATION OF GROUNDWATER AT GARRET STORM

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL

** See beginning of spills section for more details.

Map Identification Number 20 **CERVONES AUTO**
14 COMMERCE ST
BEACON, NY NO ZIP PROVIDED

Spill Number: 0102464 **Close Date: 06/08/2001**

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1970 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 12508

**Information updated through: 12/06/2002

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: LOCAL AGENCY
Caller Name:
DEC Investigator: MCCABE/WEITZ

Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info: JERRY CERVONE

Spiller Phone: ( ) -
Notifier Phone:
Caller Phone:
Contact Person Phone: (845) 831-8870

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
06/02/2001		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	0	GALLONS	YES	0	GALLONS	NO
#2 FUEL OIL	UNKNOWN	0	GALLONS	YES	0	GALLONS	NO

Caller Remarks: oil was observed under oil tank...unclear what will be need to be done to get this cleaned up.

DEC Investigator Remarks:

06/06/2001 SEE ONE PAGE UPDATES BY D. WEITZ & V. MCCABE. ALSO SEE SPILL NUMBER 0102481 (CLOSED SPILL NUMBER).

** See beginning of spills section for more details

Map Identification Number 21 **RENCON REST**
157 MAIN ST
BEACON, NY NO ZIP PROVIDED

Spill Number: 0102481 **Close Date: 06/05/2001**

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2170 feet to the E

**Information updated through: 12/06/2002

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 12508

Source of Spill: UNKNOWN
Notifier Type: AFFECTED PERSONS
Caller Name:
DEC Investigator: MCCABE/WEITZ

Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info: CALLER

Spiller Phone: ( ) -
Notifier Phone:
Caller Phone:
Contact Person Phone: ( ) -

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
06/03/2001		UNKNOWN	ON LAND	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN MATERIAL	UNKNOWN	0	GALLONS	YES	0	GALLONS	NO
UNKNOWN MATERIAL	UNKNOWN	0	GALLONS	YES	0	GALLONS	NO

Caller Remarks: CALLER STATES THAT PEOPLE ARE GETTIN SICK AT REST FOR AN UNKNOWN REASON. HE THINKS THAT THE NEIGHBOR DUMPED SOMETHING ON HIS PROPERTY. CALLER REQ A CALL ASAP

DEC Investigator Remarks:

06/05/2001 CALLER STATES THAT THERE IS A BLACK SEMLLY LIQUID IN THE BASEMENT THAT SMELLS LIKE VOC'S. INFORMED DUTCHESS CO. H.D. (H. GONIA). DCDOH WILL CHECK OUT SITUATION ASAP. D. WEITZ OF SPILLS TO RESPOND. THIS SPILL NUMBER CLOSED. SEE SPILL NUMBER 102464.000

** See beginning of spills section for more details.

Map Identification Number 22 **52 MONELL PL**
SAME
BEACON, NY NO ZIP PROVIDED

Spill Number: 9508392 **Close Date: 10/10/1995**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2480 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: 52 MONELL PL
Revised zip code: 12508

**Information updated through: 01/01/2002

Source of Spill: MAJOR OIL FACILITY (>400,000 GAL)
Notifier Type: CITIZEN
Caller Name: WM MCKEOWN
DEC Investigator: MCCABE

Spiller: TOWN OF BEACON
Notifier Name:
Caller Agency: RESIDENCE
Contact for more spill info: SAME

Spiller Phone:
Notifier Phone:
Caller Phone: (914) 831-4248
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
10/10/1995		UNKNOWN	SURFACE WATER	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
RAW SEWAGE	NON-PETROLEUM/NON-HAZARDOUS	0	GALLONS	YES	0	GALLONS	YES

Caller Remarks: RAW SEWAGE FROM CITY SEWAGE SYSTEM IS LEAKING AND IS RUNNING INTO HUDSON RIVER ONGOING PROBLEM CALLER WOULD LIKE RETURN CALL

DEC Investigator Remarks: 10/10/95 NO SPILL REFERED TO HEALTH DEPT.

** See beginning of spills section for more details.

CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/4 Mile. Between 1/4 Mile and 1/2 Mile, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 23 **BEACON OIL**
16 MAIN STREET
BEACON, NY NO ZIP PROVIDED

Spill Number: 9403880 **Close Date: 06/27/1994**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 860 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 12508

**Information updated through: 01/01/2002

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: RESPONSIBLE PARTY
Caller Name: LOUIS RACONELLI
DEC Investigator: McCABE

Spiller: BEACON OIL
Notifier Name:
Caller Agency: BEACON OIL
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (914) 831-0830
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
06/19/1994	06/27/1994	EQUIPMENT FAILURE	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	PETROLEUM	10.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: FITTING LEAK CONTAINED ON PAVED DRIVEWAY SORBENT APPLIED AND PICKED UP WILL POWER WASH COMPLETED

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 24 **TOMPKINS TERRACE APT** **Spill Number: 9103003** **Close Date: 06/17/1991**
21 TOMPKINS AVE.
BEACON, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1364 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 12508

**Information updated through: 01/01/2002

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: CITIZEN
Caller Name: SYBAL CURRY
DEC Investigator: TRAVER

Spiller: TOMPKINS TERRACE ASSOC.
Notifier Name:
Caller Agency: CITIZEN
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (914) 838-3828
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
06/14/1991	06/17/1991	DELIBERATE	ON LAND	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL
Caller Remarks: THE LANDLORD PUT THE ORANGE PEBBLES AROUND THE OUTSIDE OF APTS.TWO PEOPLE WENT TO HOSPITAL VOMITING. REFERRED TO DCHD AND PESTICIDES. NFA 6/17/91

DEC Investigator Remarks:

09/27/95: This is additional information about material spilled from the translation of the old spill file: PESTICIDE ?.

** See beginning of spills section for more details.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/4 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
No dropped spills found for this category			

*** PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 25 **LO-RAC FUEL CORP DBA BEACON OL**
16 MAIN ST
BEACON, NY 12508 **Facility Id 3-012548** **Source: NYS DEC**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 861 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 09/02/200[illegible]
Owner Name: LO-RAC FUEL CORP DBA BEACON OL
Owner Address: 16 MAIN ST
BEACON, NY 12508
Operator Name: LO-RAC FUEL CORP DBA BEACON OL
Facility Type: Storage Terminal/Petroleum Distributor
Facility Phone #: (914) 831-0830

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
1	CLOSED-IN PLACE	#1 2 OR 4 FUEL OIL	2000	UNDERGROUND	09/01/1974	09/01/1989	07/01/1998
2	CLOSED BEFORE 4/1/91	OTHER	2000	UNDERGROUND	09/01/1974		
2	IN SERVICE	DIESEL	1000	ABOVEGROUND ON LEGS RACKS ETC	04/01/1991		
3	IN SERVICE	UNLEADED GASOLINE	550	ABOVEGROUND ON LEGS RACKS ETC	09/01/1974		

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	
UNLEADED GASOLINE	113373000	X	X			X	

Map Identification Number 26 **DIA: BEACON**
3 BEEKMAN STREET
BEACON, NY 12508 **Facility Id 3-600787** **Source: NYS DEC**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 891 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/27/2005
Owner Name: DIA CENTER FOR THE ARTS
Owner Address: 542 WEST 22ND STREET
NEW YORK, NY 10258

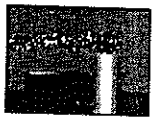
Operator Name: JAMES SCHAEUFELE
Facility Type: Other

Facility Phone #: (914) 440-0305

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
T-001	IN SERVICE	#1 2 OR 4 FUEL OIL	12000	UNDERGROUND VAULTED W/ ACCESS	01/01/1945		
T-002	IN SERVICE	#1 2 OR 4 FUEL OIL	12000	UNDERGROUND VAULTED W/ ACCESS	01/01/1945		
T-003	IN SERVICE	#1 2 OR 4 FUEL OIL	12000	UNDERGROUND VAULTED W/ ACCESS	01/01/1945		
T-004	IN SERVICE	#1 2 OR 4 FUEL OIL	12000	UNDERGROUND VAULTED W/ ACCESS	01/01/1945		

* NO HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS *

*** NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS ***



* NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS *

*** NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS ***

* NO AIR DISCHARGE FACILITIES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS *

*** NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS ***

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
1 West Main Street
Beacon, NY 12508

* Any ERNS Spills listed below are NOT mapped in this report *

ONSITE ERNS (A count of these spills can be found in the distance interval table).
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

NEW YORK STATE DEPARTMENT OF HEALTH RADON DATA
FOR THE ZIPCODE OF
12508

NUMBER OF HOMES TESTED	AVERAGE FOR THE ZIP	STANDARD DEVIATION	MAXIMUM READING FOR THE ZIP
44	4.69 PCI/LITER	3.56 PCI/LITER	21.2 PCI/LITER

 June 27, 2005 -- West Main Street

Unmappable facilities for 'Dutchess' County

Hazardous Substance Waste Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NY0111	METRO NORTH COMMUTER RR DISPOS	RAILROAD EASEMENT	GARRISON/BEACON	UNKNOWN

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
14D03	NENNI C & D			UNKNOWN
14T07	BEACON T.S.			12508
14W02	LIBERTA'S BUSINESS CENTER			UNKNOWN
14W03	BLACKTOP MAINTENANCE CORP			UNKNOWN
14W04	MIDHUDSON STRUCTURAL CONC			UNKNOWN
14Y01	BEACON COMPOST FACILITY			UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0302657	CARTER / UNKNAMECREEK	OFF MAIN ST	FISHKILL	12524
0201091	BEACON SEWAGE ODOR	MAIN ST	POUGHKEEPSIE	12508

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8600637		BEACON	BEACON	12508

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8709142	BREWSTER TRANSIT MIX	ST 15	BEACON	12508

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8400287				UNKNOWN
8600097	1	BEACON	1	12508
9314331	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9312179	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9312047	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9303427	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9301250	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9300552	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9300069	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9213488	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9204366	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9200245	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9914793	11111111111111111111111111	11111111111111111111111111	11111111111111111111111111	UNKNOWN
9813516	CHGE: TRANSFORMER	56 SOUTH DAVIES TERRACE	BEACON	12508
9702804	CRAIG HOUSE HOSPITAL	RT 9D	BEACON	12508
8804322	KELLAM PROPERTY	FERRY ST	BEACON	12508
0212720	BUCHANAN TUG #4	CLINTON POINT	BEACON	12508
0212713	HUDSON RIVER . UNK	NEWBURG BEACON BRIDGE	BEACON	UNKNOWN
0205541	HUDSON RIVER . UNK	NEWBURGH BEACON BRIDGE	BEACON	12508
0204867	ROUTE 52 JUST BEFORE	PURPLE PARLOR CAR WASH	BEACON	12508
0107531	HUDSON RIVER	NEWBURG BEACON BRIDGE	BEACON	UNKNOWN
9610503	HUDSON RIVER	NEWBURGH BEACON BRIDGE	BEACON	12508
9112061		1 GARY WAY	FISHKILL	UNKNOWN
9104525	MOBIL S/S	RT. 9D	FISHKILL	UNKNOWN
8302038	1 MILE NORTH OF BRIDGE	RT. 9D SOUTH	FISHKILL	UNKNOWN
8201437			FISHKILL	UNKNOWN
8200790			FISHKILL	UNKNOWN

8001136			UNK EXACT ADDRESS		
0200375	VACANT LAND				
7800929			UNKNOWN		
9505605			?		
8601219	TEXACO TRUCK LEAK		NEWBURGH BRIDGE		
0207714	HUDSON RIVER		UNDER NEWB/BEACON BRIDGE		
8806303	HUDSON RIVER				
			STREET	CITY	ZIP
Hazardous Spills - MISC. SPILL CAUSES - Closed					
FACILITY ID	FACILITY NAME		RT 9D	BEACON	UNKNOWN
8700000	8803263		SOUTH AVENUE	BEACON	12508
9800433	CRAIG HOUSE		MAIN STREET	BEACON	12508
9600893	BEACON TERMINAL		BEACON-NEWBURGH BRIDGE	BEACON	12508
9100746	ELBERT SERVICE STATION		UNKNOWN	BEACON	12508
8908911	I-84 EAST		124 TOMPKINS TERRACE	BEACON	12508
8600034			DELADERNGE AVE	BEACON	12508
0212084	RAWSEWAGE:TOMPKINSTER		HUDSON RAILLINE	BEACON	12508
0007845	WINDGATE NURSING HOME		AMTRACK LINE MILE#52-#75	BEACON-TARRYTOWN	UNKNOWN
0205275	R/R TRACKS		RTE9D / BAXTERTOWN RD EXT	COLD SPRING-POUGHKEEPSIE	UNKNOWN
8601797	AMTRAK		LOUDON DR	FISHKILL	12524
9914310	TRAF.ACCID.: RT 9D		EAST FISHKILL SUB STATION	FISHKILL	12524
9904626			BREAKNOT TUNNAL	FISHKILL	UNKNOWN
9606514	CON ED SUBSTATION		LOT 19 STONY KILL WOODS	FISHKILL	UNKNOWN
9411142	RT. 9D		11 MERRITT RD	FISHKILL	12524
0400981	CRANESVILLEBLOCK:LOT#19		MAIN STREET	FISHKILL	12524
0305918	TRINITY BROADCASTING			GLENHAM	12508
9305978	TEXACO RESEARCH CENTER				
			STREET	CITY	ZIP
Petroleum Bulk Storage Facilities			PO BOX 940	BEACON	UNKNOWN
FACILITY ID	FACILITY NAME		ROUTE 9D	BEACON	UNKNOWN
3-039241	CIRCLE M WOOD TREATING CORP		1 FORRESTAL HEIGHTS	BEACON	12508
3-104094	BEACON SCHOOLS BUS GARAGE				
3-104485	CITY OF BEACON HOUSING AUTHOR				
			STREET	CITY	ZIP
Hazardous Waste Generation or Transport Facilities			RTE 9D	BEACON	UNKNOWN
FACILITY ID	FACILITY NAME		5 MAIN STREET	BEACON	UNKNOWN
NYW300023671			1 MAIN STREET	BEACON	12508
NYD982528325	TRANSPORTATION DEPT BEACON CITY SCH DIST		1 FORRESTAL HEIGHTS	BEACON	12508
NYD982539439	PALISI AUTO BODY INC		120 N ROAD	BEACON	12508
NYD001398551	DOREL HAT COMPANY		P O BOX 49	BEACON,	12508
NYR000071043	BEACON HOUSING AUTHORITY		UNKNOWN	FISHKILL	UNKNOWN
NYN30003A509	SOUTHERN DUTCHESS SEPTIC		CHELSEA PUMPING SUBSTATION	FISHKILL	UNKNOWN
NYP000778308	AIR PRODUCTS & CHEM INC			N/S	UNKNOWN
NYW000060992	FISHKILL SEWER DISTRICT				
NYR000061028	CENTRAL HUDSON GAS & ELECTRIC				
			STREET	CITY	ZIP
Chemical Bulk Storage Facilities			INDUSTRIAL PARK	BEACON	12508
FACILITY ID	FACILITY NAME				
3-000062	AQUATECH				
			STREET	CITY	ZIP
Wastewater Discharges					UNKNOWN
FACILITY ID	FACILITY NAME				UNKNOWN
NY0233536	TOWN MOTORS TEXACO				UNKNOWN
NY0234958	DUTCHESS DOCKS REMEDIATION PRO				UNKNOWN
NY0234982	JUDSON OIL CO				UNKNOWN
NY0249947	PERREIRA MOBIL REM PROJ				
NYU300092					
			STREET	CITY	ZIP
Air Releases					
FACILITY ID	FACILITY NAME				

3602700063 NABISCO INC ELLIOTT AVENUE BEACON 12508

June 27, 2005

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile*, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Computerized Environmental Reports contain government information compiled from 17 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information.

1) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Profile data updated through: 8/20/2004. Data obtained by Toxics Targeting. 08/23/2004.
New Facilities updated to: 8/20/2004. Data obtained by Toxics Targeting. 08/23/2004

2) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. NPL sites are also included in CERCLIS. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Profile data updated through: 07/14/2004. Data obtained by Toxics Targeting: 08/06/2004.
New Facilities updated through: 07/14/2004. Data obtained by Toxics Targeting: 08/06/2004.

3) **National Priority List for Federal Superfund Cleanup**: Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Profile data updated through: 07/27/2004. Data obtained by Toxics Targeting: 07/28/2004.
New Facilities updated through: 07/27/2004 Data obtained by Toxics Targeting: 07/28/2004

4) **Hazardous Substance Waste Disposal Site Study**: NYS database of waste disposal sites that may pose threats to public health or the environment, but cannot be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

5) **Brownfield Cleanup Sites**: NYS database of sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 1/21/2005. Data obtained by Toxics Targeting: 2/28/2005.

6) **Solid Waste Facilities**: NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Dept. of Sanitation (1984). The Waste Disposal Problem in New York City: A Proposal For Action.

7) **Major Oil Storage Facilities**: NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. Data withheld by NYSDEC as of 4/1/2002. Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

8) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law and the Resource Conservation and Recovery Act (RCRA). ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
New facilities updated through: 6/14/2004. New facilities obtained by Toxics Targeting: 6/21/2004.
Manifest transactions data updated to: 6/14/2004. Manifest transactions data obtained by Toxics Targeting: 6/21/2004.

(b) **RCRA Notifier, Violations, and Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA). ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/15/2004 — New facilities obtained by Toxics Targeting: 6/21/2004.
Data attributes updated through: 6/15/2004. — Data obtained by Toxics Targeting: 6/21/2004.

9) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported before 01/30/2005. Data updated on a rolling basis. ASTM required.* Fannie Mae.**
Source: NYS Department of Environmental Conservation.[2]

New spills through: 01/29/2005.
Most spill attribute data updated through 01/01/2002 (Some data withheld by NYSDEC since 01/01/2002).
Limited spill attribute data updated to between 01/01/2002 and 04/03/2005. (See individual spill profiles.)

Active spills: paperwork not completed. — Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

10) **Petroleum Bulk Storage Facilities**: Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons. ASTM required.* Fannie Mae required.**

All New York Counties except Cortland, Nassau, Rockland, and Suffolk.
Source: NYS Department of Environmental Conservation.[2]
Update schedule: rolling basis; Data has been withheld by the NYSDEC since 4/1/2002.
Facility data updated through: 1/1/2002 (10/1/98 for Westchester Co.). — Facility data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002 (10/1/98 for Westchester Co.) — Tank data obtained by Toxics Targeting: 1/11/2002.

Nassau County:
Heat producing products and other products with less than 1,000 gallons storage capacity
Source: Nassau County Department of Health.[3] Data update schedule: rolling basis
Data updated through: 04/1/2001 — Data obtained by Toxics Targeting: 01/02/2002.

Generally non-heat producing products with more than 1,000 gallons storage capacity
Source: Nassau County Fire Marshall.[4] Data update schedule: rolling basis with annual update
Data updated through: 9/27/1996 for mapped sites; 03/21/2000 for on-site checks.

Rockland County:
Source: Rockland County Department of Health.[5] Data update schedule: rolling basis.
Data updated through: 04/13/2004. — Date obtained by Toxics Targeting: 04/16/2004.

Suffolk County:
Source: Suffolk County Department of Health Services.[6] Data update schedule: annual update.
Data updated through: 1/12/1999. — Data obtained by Toxics Targeting: 2/26/1999.

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information**: New York State database of hazardous waste facilities and shipments regulated by the New York State Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
New facilities updated through: 6/14/2004. — New facilities obtained by Toxics Targeting: 6/21/2004.
Manifest transactions data updated to: 6/14/2004. — Manifest transactions data obtained by Toxics Targeting: 6/21/2004.

(b) **RCRA Notifier, Violations, and Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA). ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/15/2004 — New facilities obtained by Toxics Targeting: 6/21/2004.
Data attributes updated through: 6/15/2004. — Data obtained by Toxics Targeting: 6/21/2004.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. Data withheld by NYSDEC as of 4/1/2002. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Data updated through: 1/1/2002. — Data obtained by Toxics Targeting: 1/11/2002.

13) **Toxic Release Inventory**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004.
Data obtained by Toxics Targeting: 3/25/2004

14) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999.
Data obtained by Toxics Targeting: 1/06/2000

15) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1]
Data updated through: 5/17/2004.
Data obtained by Toxics Targeting: 7/19/2004.

16) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice Fannie Mae required **
Source: U. S. Environmental Protection Agency [1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999.
Data obtained by Toxics Targeting: 11/18/1999.

17) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only. ASTM required.* See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000.
Data obtained by Toxics Targeting: 2/15/2000

*American Society of Testing Materials Standards on Environmental Site Assessments for Commercial Real Estate (E 1527-93, E 1528-93).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency 290 Broadway, NY, NY 10007-1866.
[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.
[3]Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.
[4]Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.
[5]Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.
[6]Suffolk County Department of Health, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220

Map Identification Number 17 **VAC. LOT**
RT. 9D & BEEKMAN STREET
BEACON, NY NO ZIP PROVIDED

Spill Number: 9303959 **Close Date:**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1807 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: STATE HWY 9D / BEEKMAN ST
Revised zip code: 12508

**Information updated through: 01/31/2005

Source of Spill: UNKNOWN
Notifier Type: AFFECTED PERSONS
Caller Name: JOE BRAUN
DEC Investigator: McCABE

Spiller:
Notifier Name:
Caller Agency: CITY OF BEACON
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: ( ) 831-0302
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
06/16/1993		UNKNOWN	GROUNDWATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN MATERIAL	UNKNOWN	0	POUNDS	NO	0	POUNDS	NO

Caller Remarks: SITE ASSESSMENT PERFORMED FOR REAL ESTATE TRANSACTION CONTAMINATION NOTED REPORT FAXED TO DEC

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

APPENDIX B
Tax Information Document

PROPERTY INFORMATION

3) Property:1 MAIN ST, BEACON NY 12508
APN: 130200-5954-25-563911-0000 Use: INDUSTRIAL (NEC)
Alt/Old APN: 30-5954-25-563911-00 Tax Class/Area: 130200 Total Value: $518,940
Card #: Prop Tax: $43,122.88 Land Value: $145,440
County: DUTCHESS, NY Tax Yr: 2005 Delinq: Imprv Value: $373,500
Census: 2103.00 Tax Apprsl Dist: Market Value: $1,323,489
Map Pg: School Dist: 130200 Mkt Land Val:
Municipality:BEACON(TOWN OF FISHKILL) Exemptions: Assd Yr: 2004
Township: Exempt Land: % Improve: 072%
Exempt Total: Neighbr Code:
Owner: C C J M COMPANY Owner Vest: / /
Phone:
Mail: PO BOX 267; BEACON NY 12508-0267 B002
Owner Transfer = Sale Dt: Price: Doc#: Type:

SALE & FINANCE INFORMATION

	LAST SALE	PRIOR SALE	
Recording/Sale Date:	12/03/2002	09/12/2002	05/29/1986
Sale Price/Type:	$600,000	$800,000	
Document #/Stamp $:	11803	1708-455	

Deed Type: WARRANTY DEED
1st Mtg Loan $/Type:
1st Mtg Rate/Type/Term: /
1st Mtg Lender:
2nd Mtg Loan $/Type:
2nd Mtg Rate/Type/Term: / /
Tranfer B&P:
Title Company:
Seller: CCJM REALTY LLC F/K/A CCJ
New Construction:
Other Last Sale Info =# Parcels: Type 2: Pend:

SITE INFORMATION

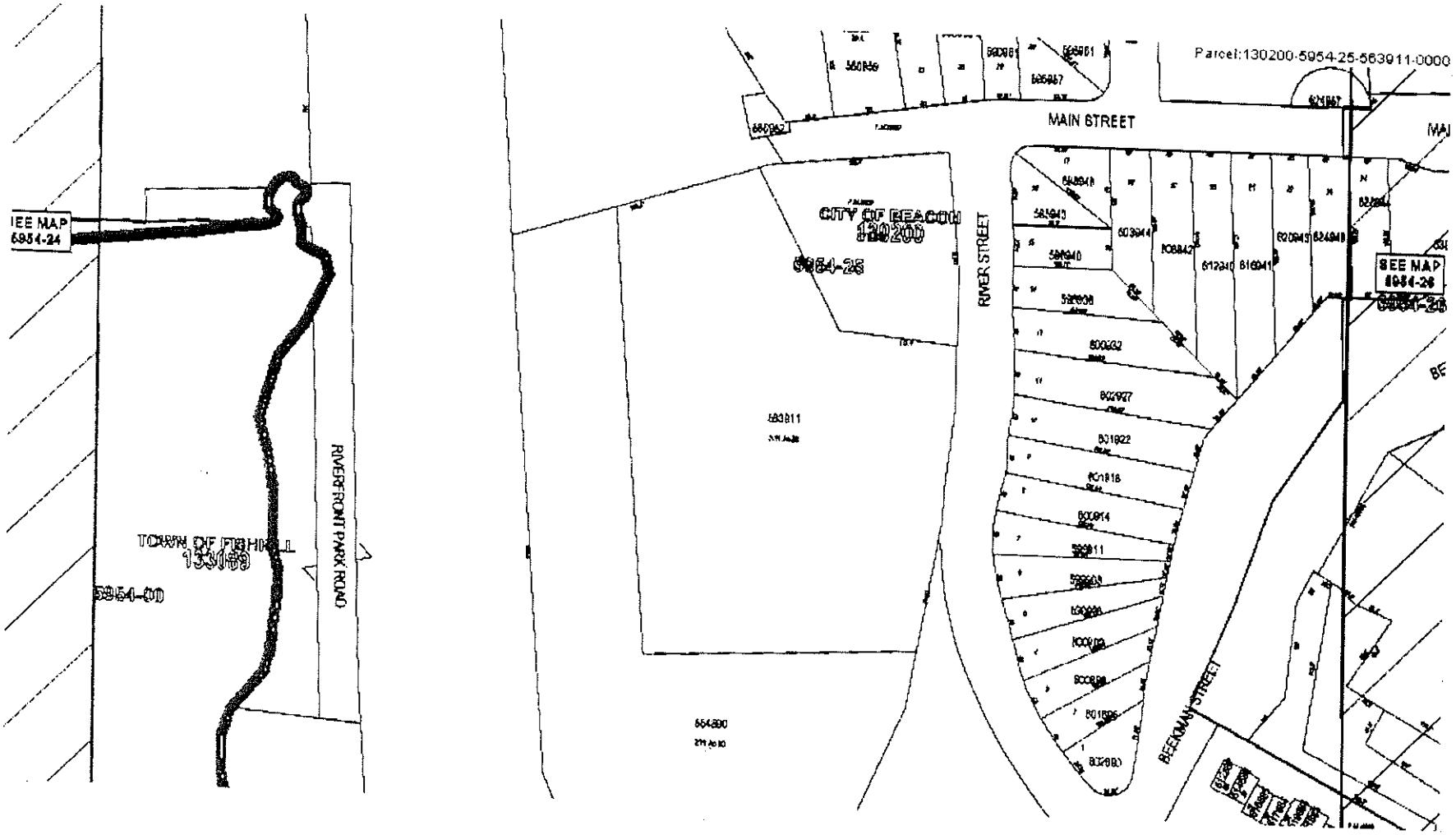
Zoning: HI Sewer Type: PUBLIC SERVICE Acres: 3.11
County Use: Water Type: PUBLIC Lot Area: 135,471.6
State Use: 710 Electric: Lot Width:
Bldg Class: Lot Depth:
Lot Shape:
Garage Cap#: Site Influence: Bldg Width:
Garage2 Sqft: Bldg Depth:
Parking Sqft:
Parking Type:

IMPROVEMENT INFORMATION County: DUTCHESS, NY
APN: 130200-5954-25-563911-0000

Gross Bldg Area:	Total Rooms:	Construction:
Bldg/Living Area:	Bedrms:	Foundation:
Ground Flr Area:	Baths (Full/Half):	Ext Wall:
Above Grade:	Ttl Baths/Fixt:	Int Wall:
Upper Area:	Yr Built/Eff: 1965	Roof Type:
2nd Flr Area:	# Stories:	Roof Matl:
Rec Rm Area:	Fireplace/#:	Roof Shape:

Basement Area:	Basement Type:	Heat Fuel:
Basement Fin:	Pool:	Heat Type:
$/SF:	Porch Type: COVERED PORCH	Parcel Fuel:
Perimeter Area:	Patio Type:	Floor Type:
	Attic Type:	Floor Cover:
# Bldgs: 1	Style:	Air Cond:

Res. Units:
Comm Units:
Inspect Entry: F09
Permit Amt:
Bldg Type:
Bldg Comments:
Parcel Comments:
LEGAL INFORMATION
Legal Blk/Bldg: 25
Legal Lot/Unit: 563
Legal Desc: 3.11 AC (C) 1419 0270


SEE MAP
5954-24
RIVERFRONT PARK ROAD
5954-00
MAIN STREET
CITY OF BEACON
130200
5954-25
RIVER STREET
SEE MAP
5954-26
BEEKMAN STREET
Parcel:130200-5954-25-563911-0000

North

APPENDIX C
Site Interview Questionnaire

SITE INTERVIEW

I. SITE INFORMATION

A. Name, title, phone number and employer of individuals who provided information for this questionnaire:

1. Name/Title: Salvatore Cumella / Raymond Morano
2. Phone/Dates of Employment: (845) 831-5231/ Since 1986
3. Area of Knowledge: Overall Operation
4. Current Employer (if different than current owner of the facility): Owners

B. **Key facility personnel:**

1. Site/facility manager: Salvatore Cumella /Raymond Morano
2. Operations or production manager: Ditto
3. Environmental coordinator: Ditto

C. **Total number of employees at facility: Currently, approx. 4**

D. **Facility floor space (include multiple floors in calculation): 32,000 sf**

E. **What type of activity is conducted at site (check appropriate blanks):**

-------	Abrasive blasting
-------	Acid/alkali cleaning
-------	Adhesive bonding
-------	Air pollutant filtration/scrubbing
-------	Anodizing
-------	Asbestos handling
X	Assembly operations
-------	Bleaching
-------	Casting of metal parts
-------	Chemical formulation/synthesis
-------	Degreasing/solvent cleaning
-------	Drilling/machining
-------	Dye/pigment formulation
X	Fabric milling/spinning/weaving
-------	Glass/ceramic production
X	Grinding/polishing/buffing
-------	Hazardous waste storage/treatment/disposal
-------	Ionizing radiation source
-------	Lasers
-------	Metal forging/stamping/forming
-------	Mining
-------	On-site waste disposal
X	Packaging
-------	Pesticide production

_____Initial

-------	Photographic developing/printing
-------	Plastic formulation/extrusion/blow molding
-------	Plating
-------	Printing
-------	RF/Microwave heating
-------	Rubber formulation/vulcanization
-------	Semiconductor production
-------	Soldering/brazing
-------	Solid/liquid waste recycling/recovery
-------	Spray painting
-------	Underground storage tanks
-------	Waste water treatment
-------	Welding
-------	Woodworking
-------	Wood treatment
-------	Other activities of concern (specify)

F. **Contiguous Properties:**
List current and past facility names, addresses, and activities conducted for contiguous properties. Indicate any hazardous materials that may be or have been utilized. Also, identify these sites on a map.

North (of Dorel Hat Factory)
Facility: Junkyard
Address: within concern property, 1 West Main Street, Beacon, NY 12508
Activities: abandoned equipment storage
Hazardous materials used: observed waste oil spillage
Known Environmental Issues/Investigation/Cleanup: none as of this writing

South (of Dorel Hat Factory)
Facility: Landscape area
Address: within concern property, 1 West Main Street, Beacon, NY 12508
Activities: none observed
Hazardous materials used: none observed
Known Environmental Issues/Investigation/Cleanup: none

East (of Dorel Hat Factory)
Facility: 1. A lot located at northeast corner of the property, currently leased to Palisi Auto
2. A trailer for abandoned equipment storage is currently located to the east of the property
3. Steam Blow Down Area located at the east side of the Dorel Hat Building
Address: within concern property, 1 West Main Street, Beacon, NY 12508
Activities: Automobile storage
Hazardous materials used: none observed
Known Environmental Issues/Investigation/Cleanup: none

_____Initial

West (of Dorel Hat Factory)
Facility: Metro North parking lot
Address: within concern property, 1 West Main Street, Beacon, NY 12508
Activities: paving construction at the time of visit
Hazardous materials used: none observed
Known Environmental Issues/Investigation/Cleanup: none

II. *HAZARDOUS MATERIALS*

A. TANKS

According to the owner, Salvatore Cumella, the building has been gas-heated since 1986. He is not aware of any oil fuel being used for building-heating purposes.

B. HAZARDOUS MATERIALS STORAGE

Hazardous materials noticed at the site include the following:

1. Hazardous material: following: Stixit #2476, water based adhesive, manufactured by Basic Adhesives, Inc.
2. Material identification number/CAS number (if known): MSDS sheets available
3. Volume stored: 5 gallons
4. Storage container: PAL
5. Monthly rate of usage: Not known
6. Proper Labeling: Yes
7. Secondary Containment: No

D. PCBs.

Possible PCB containing materials are noted as following:

1. Transformers: with no non-PCB label, unit located at southeast corner outside of the building
2. Capacitors: none noticed
3. Electromagnets: none noticed
4. Hydraulic systems: none
5. Ballasts: possible fluorescent lighting

III. RELEASES, SPILLS, LEAKS

List any releases, spills, leaks of hazardous materials (including wastes) as defined in CERCLA or RCRA at the site, through spills or leaks to air, soil, and/or surface or groundwater. Fill in blanks as indicated, attach additional pages, if needed. Indicate locations on a map.

_____Initial

1) Date: NONE REPORTED
Material:
Quantity:
Location:
Regulatory agencies notified:
Clean-up description:

IV. AIR EMISSIONS

Air emissions sources identified are as follows:

1. Source: NONE
2. Amount:
3. Composition (specify if a regulated hazardous air pollutant):
4. Air emission limitations:
5. Parameter monitored:
6. Frequency of monitoring:
7. Reduction equipment (include date of installation):
8. Permit: Yes/No (Provide all permitting information)
9. Is there staining or condensation on or near the emission point?

V. WASTE MANAGEMENT INFORMATION

A. WASTE GENERATED

Waste produced at the facility is being handled by Royal Carting Co. (845-896-6000). Dumpsters are currently stored at the loading dock area. No noticeable hazardous waste are stored at the site.

B. OFF-SITE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF) LOCATIONS

Identify the off-site facilities where hazardous waste is (or was) treated, stored, or disposed. Include the corresponding TSDF locations, dates, and transporters used. Also, indicate the approximate amount sent to each TSDF.

1) Waste:
TSDFs:
Locations:
Transporters:
Dates used:
Amount sent:

C. ON-SITE TSDF LOCATIONS

NOT APPLICABLE

VI. WATER

A. Wastewater

List all wastewater streams generated at the facility.

Source: Steam blow down
Composition: Excess steam water

_____Initial

Subject to on-site wastewater treatment prior to discharge? No
What is the condition of the treatment house? None
Effluent Limitations: None
Frequency of monitoring: None
Discharge Location: To the lawn area at southeast corner of the building
Permit: No

B. Septic Systems

City Sewers provide septic disposal service.

C. Facility Drainage and Stormwater Discharge

Facility currently has trench drains at the loading dock as well as the hat assembly areas. No sump pumps and dry wells are observed.

1. *Provide any sewer and drain line maps indicating locations of piping, dry wells, septic fields, surface water bodies, discharge points, etc. NONE AVAILABLE*

2. *Does the facility have an individual stormwater permit? NO*
   Have coverage under a general stormwater permit? NO
   Maintain a Stormwater Pollution Prevention Plan (SWPPP)? NO

D. Water Supply

City water

E. On-Site Wells

List all water wells on site, and whether or not they have been abandoned. Indicate well locations on a map.

1. *Well: NONE NOTICED*
2. *Depth:*
3. *Age:*
4. *Intended use:*
5. *Parameters analyzed, if any:*

IX. ENERGY

1. What type of fuel (i.e., oil, gas) is used at the facility? Gas
2. Are there any back-up generators? No
3. *Are there any utility contracts with suppliers in effect? To be obtained. If so, state the duration of the contract and attach a copy.*

X. PERMITS

State the issuing agency, type, and identifying number of all environmental permits, licenses or other types of permission required, whether currently in effect or not, to conduct a particular operation at the site (for example, wastewater treatment, or hazardous waste disposal) pertaining to that listing.

Issuing regulatory agency: NONE

_____Initial

License and ID number:
Expiration date:
Site operation/Equipment/Process:

XI. COMPLAINTS, VIOLATIONS, ORDERS, DEMANDS

1. List any occupational exposure claim by a current or former employee and the disposition of the claim.
   a. Date Received:
   b. Action Taken:
   c. Current status:

ATTACHMENTS

Figures:

Signature_____

Print name_____

Date_____

_____Initial

APPENDIX D
FOIA Requests and Responses

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

NUMBER

APPLICANT

• TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:
I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:

A.) 1 West Main Street, City of Beacon, NY 12508. Per our information, the property belongs to Dorel Hat Company.

B.) 7 West Main Street, City of Beacon, NY 12508. Per our information, the property houses a few businesses including Palisi Auto Body.

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $ 50.00.

Name (Print or type) Amit Garg Telephone No. 201-791 0075

Attention of: Amit Garg

Mailing Address 611 River Drive 3rd Floor, Elmwood Park, NJ-07407

Signature Amit Garg Date 06/07/05

RECORDS CUSTODIAN

• TO THE APPLICANT:

-Records Provided

☐ The reproduction costs for the records provided are $ _____

☐ Records have been (partially, fully) provided. (If not fully provided, date when records are expected to be fully provided: _____)

-Records Not Available

☐ Records cannot be found after diligent search

☐ The Department is not the custodian for records indicated

-Records Denied

I hereby certify that access to the records--or part of the records circled above has been denied to the applicant for the reason(s) checked below:

☐ Specifically exempt by other statute

☐ Unwarranted invasion of personal privacy

☐ Would impair present or imminent contract awards or collective bargaining negotiations

☐ Are examination questions or answers

☐ Are inter-agency or intra-agency materials that are not:
- statistical or factual tabulations or data
- instructions to staff that affect the public
- final agency policy or determinations; or
- external audits, including but not limited to audits performed by the comptroller and the federal government

☐ Are trade secrets

☐ Could endanger the life of any person

☐ Are compiled for law enforcement purposes and which, if disclosed would:
- interfere with law enforcement investigations or judicial proceedings
- deprive a person of the right to a fair trial or or impartial adjudication
- identify a confidential source or disclose confidential information relating to a criminal investigation, or
- reveal criminal investigative techniques or procedures, except routine techniques and procedures

☐ Would jeopardize an agency's capacity to guarantee the security of its information technology assets, such assets encompassing both electronic information systems and infrastructures

Identification of records withheld (attach listing if additional space is required) and/or explanation if appropriate:

_____

_____

_____

Records Custodian Signature _____ Title _____ Date _____

YU & Associates, Inc.
611 River Drive, Elmwood Park, New Jersey 07407 ▪ 201-791-0075 ▪ Fax 201-791-4533

Jul 11, 2005
0507500

The City of Beacon Building Department
1 Municipal Center
Beacon, NY 12508

Attn: Ms. Carla Eylers

Re: FOIL request for two properties located at West Main Street, Beacon, NY 12508.

Dear Ms. Carla Eylers,

Yu & Associates (YU) is under contract with Metro-North Railroad to prepare a Preliminary Assessment (PA) at two facilities located at :

1. 1 West Main Street, City of Beacon, NY 12508. According to our record, the property belongs to Dorel Hat Company.
2. 7 West Main Street, City of Beacon, NY 12508. According to our record, the property is currently occupied by a few businesses including Palisi Auto Body.

As part of the PA process, YU would like all files that the City of Beacon Building Department may have regarding this property including former owners. If the information is too extensive to mail, arrangements can be made for it to be reviewed at your office.

This request is being made pursuant to the Freedom of Information Act, 5 USC 552. If you have any questions regarding this request or believe there is more efficient way to process the information, please do not hesitate to contact Chuck McCusker or me at (201) 791-0075, extensions 116 and 105, respectively.

Thanks you for your assistance in obtaining this information.

Very Truly Yours,

YU & Associates, Inc.
Andrew Leung, P.E.
Vice President

CC. Chuck McCusker, P.G.

YU & Associates, Inc.
611 River Drive, Elmwood Park, New Jersey 07407 ▪ 201-791-0075 ▪ Fax 201-791-4533

Jul 17, 2005
0507500

The City of Beacon Fire Department
1 Municipal Plaza
Beacon, NY 12508

Attn: Mr. Tim Dexter

Re: FOIL request for two properties located at West Main Street, Beacon, NY 12508.

Dear Mr. Tim Dexter,

Yu & Associates (YU) is under contract with Metro-North Railroad to prepare a Preliminary Assessment (PA) at two facilities located at :

1. 1 West Main Street, City of Beacon, NY 12508. According to our record, the property belongs to Dorel Hat Company.
2. 7 West Main Street, City of Beacon, NY 12508. According to our record, the property is currently occupied by a few businesses including Palisi Auto Body.

As part of the PA process, YU would like all files that the City of Beacon's Fire Department may have regarding this property including former owners. If the information is too extensive to mail, arrangements can be made for it to be reviewed at your office.

This request is being made pursuant to the Freedom of Information Act, 5 USC 552. If you have any questions regarding this request or believe there is more efficient way to process the information, please do not hesitate to contact Chuck McCusker or me at (201) 791-0075, extensions 116 and 105, respectively.

Thanks you for your assistance in obtaining this information.

Very Truly Yours,

YU & Associates, Inc.
Andrew Leung, P.E.
Vice President

CC. Chuck McCusker, P.G.

YU & Associates, Inc.
611 River Drive, Elmwood Park, New Jersey 07407 ▪ 201-791-0075 ▪ Fax 201-791-4533

Jul 11, 2005
0507500

Dutchess County Department of Health
387 Main Street
Poughkeepsie, NY 12601

Attn: Mr. John Glass

Re: FOIL request for two properties located at West Main Street, Beacon, NY 12508.

Dear Mr. John Glass,

Yu & Associates (YU) is under contract with Metro-North Railroad to prepare a Preliminary Assessment (PA) at two facilities located at :

1. 1 West Main Street, City of Beacon, NY 12508. According to our record, the property belongs to Dorel Hat Company.
2. 7 West Main Street, City of Beacon, NY 12508. According to our record, the property is currently occupied by a few businesses including Palisi Auto Body.

As part of the PA process, YU would like all files that the Dutchess County Health Department may have regarding this property including former owners. If the information is too extensive to mail, arrangements can be made for it to be reviewed at your office.

This request is being made pursuant to the Freedom of Information Act, 5 USC 552. If you have any questions regarding this request or believe there is more efficient way to process the information, please do not hesitate to contact Chuck McCusker or me at (201) 791-0075, extensions 116 and 105, respectively.

Thanks you for your assistance in obtaining this information.

Very Truly Yours,

Andrew Leung

YU & Associates, Inc.
Andrew Leung, P.E.
Vice President

CC. Chuck McCusker, P.G.

July 21, 2005

Andrew Leung, P.E., Vice President
YU & Associates, Inc.
611 River Drive
Elmwood Park, New Jersey 07407

Re: Your Letter FOIL Request dated July 11, 2005

Dear Mr. Leung:

Please be advised that we received your letter in the above matter.

To review your request we need Tax Map Identifiers for the parcels you wish review. Kindly forward that information if you would like to proceed.

Thank you.

Very truly yours,

John G. Glass, P.E.
Supervising Public Health Engineer
Environmental Health Services

cc:

Dutchess County Department of Health

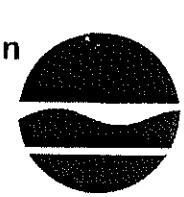
William R. Steinhaus
County Executive

Michael C. Caldwell, MD, MPH
Commissioner

Environmental Health

387 Main Street
Poughkeepsie
New York
12601
(845)486-3404
Fax (845)486-3545

New York State Department of Environmental Conservation
Records Access Office, Region 3
21 South Putt Corners Road, New Paltz, New York 12561-1696
Phone: (845) 256-3052• **FAX:** (845) 255-3414
Website: www.dec.state.ny.us



Denise M. Sheehan
Acting
Commissioner

JULY 22, 2005

AMIT GARE
YU & ASSOCIATES INC
611 RIVER DRIVE 3RD FLOOR
ELMWOOD PARK NJ 07407

RE: FOIL #649-3/05
1 WEST MAIN ST, 7 WEST MAIN ST BEACON (DOREL HAT CO OR PALISI AUTO BODY OR OTHER BUSINESSES)
DATE RECEIVED: JULY 22, 2005

DEAR AMIT GARE:

This letter acknowledges receipt of your request for access to records under New York State's Freedom of Information Law (FOIL). Your request has been forwarded to B. Zicca, P. Duke, A. DiMare, B. More of the Water, Environmental Permits, Air, Hazardous Materials Programs, respectively. Within twenty (20) business days, you can expect a response from the regional programs as to whether such documents are in their custody. There were no spill or pbs records found for the names and addresses you provided.

If programs have records, you will have an opportunity to arrange to obtain access to the records. There is no charge to review records or for copies of seven or fewer pages. By law, copy charges will not exceed 25 cents per page or the actual cost of copying. Photographs, maps, oversized documents, videotapes or audio tapes generally cost more than 25 cents per page to copy. You may be required to pay a deposit prior to copies being made and/or to pay all copy charges prior to copies being sent.

If all records are not provided because the records are excepted from disclosure, you will be notified of the reasons and of your right to appeal the determination.

If you have questions about the status of your request, you may write to this office at the above address or call (845) 256-3000 and follow instructions to reach the program contact person(s) noted in the first paragraph.

Region 3 Records Access Office

cc: B. Zicca, P. Duke, A. DiMare, B. More
WATER/PERMITS/AIR/HM

New York State Department of Environmental Conservation
Division of Water, Region 3
200 White Plains Road – 5th Floor, Tarrytown, New York 10591-5805
Phone: (914) 332-1835 • **FAX:** (914) 332-4670
Website: www.dec.state.ny.us

Denise M. Sheehan
Acting
Commissioner

29 July 2005

Amit Gare
Yu & Associates Inc.
611 River Drive, 3rd Floor
Elmwood Park NJ 07407

Re: Foil #649-3/05
1 West Main St., 7 West Main St., Beacon (Dorel Hat Co or Palisi Auto Body or Other Businesses)

Dear Amit Gare,

The Division of Water has reviewed your request for the above referenced records under New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by State Pollutant Discharge Elimination System (SPDES) Permit Number, under the names of individuals and/or corporations. We have no way of locating or retrieving records if they are filed under names other than those you have provided. If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations or inquires involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, claims, investigations or inquires.

After a search of Region3 Division of Water files, no records could be located for the name you provided and I have no way of retrieving records by address.

Very truly yours,

Beth Zicca
Division of Water

BZ/srr

cc: Records Access Office
File

H:_SRachel\FOIL_DOW\649305 YuAssociates.2207.wpd

New York State Department of Environmental Conservation
Division of Environmental Permits, Region 3
21 South Putt Corners Road, New Paltz, New York 12561-1620
Phone: (845) 256-3054 • **FAX:** (845) 255-3042
Website: www.dec.state.ny.us

August 5, 2005

AMIT GARE
YU & ASSOCIATES INC
611 RIVER DR 3RD FLOOR
ELMWOOD PARK NJ 07407

RE: FOIL # 649-3/05
1 West Main St., 7 West Main St., Beacon (Dorel Hat Co. or Palisi Auto Body

Dear Amit Gare:

The program noted below has reviewed your request for the above referenced records under New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by number under the names of individuals or corporations. We have no way of locating or retrieving records if they are filed under names or addresses other than those you have provided. If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations or inquiries involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, claims, investigations or inquiries.

☒ After a diligent search, no records could be located in the Region 3 Environmental Permits office for the names and/or addresses you provided.

☐ Records are available for review and/or copying. Please contact the FOIL Secretary at (845) 256-3021 to schedule an appointment to review the records. There is no charge to review records or for copies of seven or fewer pages. By law, copy charges will not exceed 25 cents per page or the actual cost of copying. Photographs, maps, oversized documents, videotapes or audio tapes generally cost more than 25 cents per page to copy. You may be required to pay a deposit prior to copies being made and/or to pay all copy charges prior to copies being sent.

Very truly yours,

Laurie Lawrence

Laurie Lawrence
Environmental Permits
Region 3

cc: Records Access Office

649-05Nohitsltr.wpd(Revised 6/3/03)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

JUL 26

Mr. Amit Garg
Yu & Associates, Inc
611 River Drive
Elmwood Park, New Jersey 07407

Re: Freedom of Information Request No. **02-RIN-01859-05**
Dated: July 13, 2005

Dear Mr. Garg:

Your request for information has been referred to this branch for response. We have searched the Resource Conservation and Recovery Act (RCRA) files and/or computer database as appropriate to respond to your request. In addition, you may also receive more information from other program areas within this Regional Office.

We were unable to find hazardous waste (RCRA) information concerning the property at 1 West Main Street in Beacon, New York. For your information we found and have enclosed the RCRA information for the property at 1 Main Street, PO Box 267.

For information on Underground Storage Tanks (USTs), please contact New York State Department of Environmental Conservation (NYSDEC) at the enclosed address as it is responsible for keeping records and tracking incidents related to USTs.

If you consider this response to be a denial, you may submit a written appeal to HQ FOIA OPERATIONS STAFF, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Avenue, N.W., Washington, D.C. 20460. The appeal must be made in writing, and must be received within 30 calendar days of the date of this response to receive consideration. The Agency will not consider appeals received after the 30-day limit. The appeal should be marked "Freedom of Information Act Appeal", and should reference the Freedom of Information Request Number of this response.

Also, RCRA information is now available on the World Wide Web as described on the enclosed sheet.

Please include the above referenced request number in any subsequent communication relating to this response.

Sincerely yours,

For Adolph Everett, P.E.
Chief, RCRA Programs Branch

Enclosures

EPA

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

(VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER → NYD001590551

DOREL HAT CO. INC.
1 MAIN STREET PO BOX 267
BEACON NY 12508

INSTALLATION ADDRESS → 1 MAIN STREET PO BOX 267
BEACON NY 12508

EPA Form 8700-12B (4-80)

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 9-30-86.
GSA No. 0246-EPA-DT

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (*Section 3010 of the Resource Conservation and Recovery Act*).

For Official Use Only

Comments

Installation's EPA ID Number	Approved	Date Received (yr. mo. day)	
NYD001398551 T/A C 1		87 12 14	Dutchess 027

I. Name of Installation

DOREL HAT CO. INC.

II. Installation Mailing Address

Street or P.O. Box: 1 MAIN STREET PO BOX 267

City or Town	State	ZIP Code
BEACON	NY	12508

III. Location of Installation

Street or Route Number: SAME

City or Town	State	ZIP Code
SAME		

IV. Installation Contact

Name and Title (last, first, and job title)	Phone Number (area code and number)
GILBERT COLLINS	914 831 5231

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership (enter code)
CORPORATION	Closely Held

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- ☒ 1a. Generator ☒ 1b. Less than 1,000 kg/mo.
- ☐ 2. Transporter
- ☐ 3. Treater/Storer/Disposer
- ☐ 4. Underground Injection
- ☐ 5. Market or Burn Hazardous Waste Fuel *(enter 'X' and mark appropriate boxes below)*
  - ☐ a. Generator Marketing to Burner
  - ☐ b. Other Marketer
  - ☐ c. Burner

B. Used Oil Fuel Activities

- ☐ 6. Off-Specification Used Oil Fuel *(enter 'X' and mark appropriate boxes below)*
  - ☐ a. Generator Marketing to Burner
  - ☐ b. Other Marketer
  - ☐ c. Burner
- ☐ 7. Specification Used Oil Fuel Marketer *(or On site Burner)* Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device *(enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)*

☐ A. Utility Boiler ☐ B. Industrial Boiler ☐ C. Industrial Furnace

VIII. Mode of Transportation *(transporters only — enter 'X' in the appropriate box(es)*

☐ A. Air ☐ B. Rail ☐ C. Highway ☐ D. Water ☐ E. Other *(specify)*

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

☒ A. First Notification ☐ B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number

ID — For Official Use Only														
C													T/A	C
W														1

X. Description of Hazardous Wastes *(continued from front)*

A. **Hazardous Wastes from Nonspecific Sources.** Enter the four-digit number from 40 *CFR* Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F005					
7	**8**	**9**	**10**	**11**	**12**

B. **Hazardous Wastes from Specific Sources.** Enter the four-digit number from 40 *CFR* Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	**20**	**21**	**22**	**23**	**24**
25	**26**	**27**	**28**	**29**	**30**

C. **Commercial Chemical Product Hazardous Wastes.** Enter the four-digit number from 40 *CFR* Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	**38**	**39**	**40**	**41**	**42**
43	**44**	**45**	**46**	**47**	**48**

D. **Listed Infectious Wastes.** Enter the four-digit number from 40 *CFR* Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. **Characteristics of Nonlisted Hazardous Wastes.** Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 — 261.24)*

☐ 1. Ignitable *(D001)* ☐ 2. Corrosive *(D002)* ☐ 3. Reactive *(D003)* ☐ 4. Toxic *(D000)*

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature	Name and Official Title *(type or print)*	Date Signed
[signature]	Vice President Gilbert Collins	12/9/87

NEW YORK TELEPHONE
~~(212) 840-6379~~ X
212-629-3420

1939 - FORTY YEARS - 1979

CABLE ADDRESS
"DORELHATCO NEWYORK"

Dorel Hat Co., Inc.

MANUFACTURERS AND CREATORS OF FINE MILLINERY
P.O. Box 267 - ONE MAIN STREET · BEACON, N. Y. 12508
PHONE BEACON (914) 831-5231

December 9, 1987

#NYD001398551

U.S. EPA Region II
Permits Administration
26 Federal Plaza
New York, New York 10278

Attn: Mr. John Sanchez
Room 432

Dear John,

Per our phone conversation, enclosed please find completed EPA Form 8700-12 and data sheets pertaining to the waste we wish to dispose of.

Also, enclosed is a copy of the letter we wrote the New England Marine Contractors, Ltd.. who will probably handle disposal.

We need to move on this as quickly as possible so please process the enclosed application upon receipt.

Thank you for your cooperation.

Sincerely yours,
Dorel Hat Co.,Inc.

Gilbert Collins
Vice President

Enclosures.

NEW YORK TELEPHONE
~~(212) 840-6390~~ X
212-629-3420

1939 - FORTY YEARS - 1979

CABLE ADDRESS
"DORELHATCO NEWYORK"

Dorel Hat Co., Inc.

MANUFACTURERS AND CREATORS OF FINE MILLINERY
P.O. Box 267 - ONE MAIN STREET · BEACON, N. Y. 12508
PHONE BEACON (914) 831-5231

December 8, 1987

New England Marine Contractors,Ltd.
P.O. Box 2974
Poughkeepsie, New York 12603

Dear David,

Enclosed please find data sheets regarding the product (s) we wish to dispose of.

The waste in question is a mixture of three parts thinner to one part 745-P8110 hat size.

Please call me if you need further information. I must resolve this matter quickly.

Thank you.

Sincerely yours,
Dorel Hat Co.,Inc.

Gilbert Collins
Vice President

Enclosures.

Copy

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor. Essentially Similar to Form OSHA-20)

DATE OF PREP

MPCA 1.70

MANUFACTURERS CODE IDENTIFICATION

745-P8110 Hat Size

Section II — HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	TLV PPM	TLV mg/M³	LEL	VAPOR PRESSURE mmHg@20°C
Nitrocellulose	8-10				
Butyl Acetate	4-10	150		1.7	8
Methyl Ethyl Ketone	15-20	200		1.8	70
Naptha	10-15	200		1.2	20
Toluol	30-40	100		1.2	25
Series of 745 with admix use of solvent					

Section III — PHYSICAL DATA

BOILING RANGE Up to 160°C

EVAPORATION RATE: [ ] FASTER [XX] SLOWER THAN ETHER

VAPOR DENSITY: [XX] HEAVIER [ ] LIGHTER THAN AIR 1

PERCENT VOLATILE BY VOLUME 20% to 6%

WEIGHT PER GALLON 7.8

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: Flammable -XX
Combustible

FLASH POINT 20°F (T.C.C.) LEL 1.2

EXTINGUISHING MEDIA

Sand, Foam, Carbon Dioxide, Chemical Types

UNUSUAL FIRE AND EXPLOSION HAZARDS

Prevent Fire, Keep Away From Heat, Sparks, And Open Flames

SPECIAL FIRE FIGHTING PROCEDURES

Avoid Breathing Vapor or Fumes. Use Air Supplied Rescue Equipment For Enclosed Areas.

Cool Exposed Containers With Water To Prevent Explosion Due to Pressure.

PHONE (718) 625 { 6358 / 4634

WESLEY LACQUER CORPORATION

MANUFACTURERS OF

TRADE WESLAC MARK

93-95 FOURTH STREET
(BETWEEN BOND AND HOYT STREETS)
BROOKLYN, N. Y. 11231

January 23, 1985

Mr. Eli Rosen
Aldo Hat Corp.
32 West 39th St.
New York, N.Y.

Dear Mr. Rosen:

Regarding the information you requested for our Lacquer Thinner 69, I am enclosing the safety data sheets for the solvents we use to make this product. Thinner 69 is composed of Butyl Cellosolve, acetone, and toluol. There is at least 20% of each of these chemicals in our formular for Thinner 69.

Please let me know if you need any further information regarding this matter.

Sincerely yours,

Paul Patane

Paul Patane, Off. Mgr.

MAT RIAL SAFETY DATA SHE T

EFFECTIVE DATE: NOVEMBER 1, 1981

I. IDENTIFICATION

PRODUCT NAME:	ACETONE		
CHEMICAL NAME:	Acetone	CHEMICAL FAMILY:	Ketone
FORMULA:	CH_3COCH_3	MOLECULAR WEIGHT:	58.08
SYNONYMS:	Dimethyl Ketone, 2-Propanone, Dimethyl ketal		
DEPARTMENT OF TRANSPORTATION	HAZARD CLASSIFICATION: Flammable liquid		
	SHIPPING NAME: Acetone		
CAS # 67-64-1	CAS NAME: 2-Propanone		

II. PHYSICAL DATA

BOILING POINT, 760 mm Hg 101.325 kPa	56.29 °C (133.32 °F)	FREEZING POINT	−96.54 °C (−141.77 °F)
SPECIFIC GRAVITY (H_2O = 1)	0.7915 at 20/20 °	VAPOR PRESSURE at 20°C	(24.53 kPa) 184 mm Hg
VAPOR DENSITY (air = 1)	2.0	SOLUBILITY IN WATER, % by wt.	Complete
PER CENT VOLATILES BY VOLUME	100	EVAPORATION RATE (Butyl Acetate = 1)	14.4
APPEARANCE AND ODOR	Highly flammable liquid; sharp, penetrating and non-residual odor.		

III. INGREDIENTS

MATERIAL	%	TLV (Units)	HAZARD
Acetone	100	750 ppm ACGIH 1000 ppm OSHA	Irritant to eye and respiratory tract; flammable

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method(s))	0 °F, Tag Closed Cup 4 °F, Tag Open Cup				
FLAMMABLE LIMITS IN AIR, % by volume		LOWER	2.15	UPPER	13.0
EXTINGUISHING MEDIA	Use water spray, carbon dioxide, dry chemical, alcohol-type or universal-type foams applied by manufacturer's recommended techniques.				
SPECIAL FIRE FIGHTING PROCEDURES	Use supplied breathing air and protective clothing.				
UNUSUAL FIRE AND EXPLOSION HAZARDS	None				

V. EMERGENCY PHONE NUMBER

304/744-3487

This number is available days, nights, weekends, and holidays.

V. HEALTH HAZARD DATA

.V AND SOURCE: 750 ppm, ACGIH (1980 notice of intended changes) 1000 ppm, OSHA CFR 29 § 1910.1000, Table Z-1.

CUTE EFFECTS OF OVEREXPOSURE

SWALLOWING	Nausea, vomiting, headache, dizziness, and stupor.
SKIN ABSORPTION	None currently known.
INHALATION	Headache, dizziness, nausea, and vomiting. Vapors may irritate eyes, nose, and throat.
SKIN CONTACT	No immediate irritation. Repeated contact causes defatting and skin chapping.
EYE CONTACT	Will cause irritation.
HRONIC EFFECTS F OVEREXPOSURE	None currently known.
THER HEALTH AZARDS	None currently known.

MERGENCY AND FIRST AID PROCEDURES:

SWALLOWING	Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
SKIN	Flush with water.
INHALATION	Remove to fresh air. If breathing has stopped, give artificial respiration. Call a physician.
EYES	Do not induce vomiting. Call a physician.

OTES TO PHYSICIAN

Aspirated acetone may cause severe lung damage and present a significant hazard. Stomach contents should be evacuated quickly in a manner which avoids aspiration. Otherwise, treatment is directed at the control of symptoms and the clinical condition. No specific antidote is known.

VI. REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID	Ignition sources
UNSTABLE	STABLE		
	✓		

INCOMPATIBILITY (materials to avoid)	Strong oxidizing agents (such as nitric acid).
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS	Burning can produce carbon monoxide and/or carbon dioxide.

HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID	Alkali (such as caustic soda) can cause condensation reactions to occur, but the reactions are not expected to be violent.
May Occur	Will not Occur		
	✓		

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Eliminate all sources of ignition. Wear suitable protective equipment. Small spills could be flushed with large quantities of water. Larger spills should be collected for disposal.
WASTE DISPOSAL METHOD	Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)	Self-contained breathing apparatus in high concentrations.		
VENTILATION	This product should be confined within covered equipment, in which case general (mechanical) room ventilation is expected to be satisfactory. Special, local ventilation is needed at points where vapors can be expected to escape to the air.		
PROTECTIVE GLOVES	Rubber	EYE PROTECTION	Safety glasses
OTHER PROTECTIVE EQUIPMENT	Eye bath, safety shower.		

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks, and open flame.
Avoid breathing vapor.
Avoid contact with eyes.
Do not take internally.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.

FOR INDUSTRY USE ONLY

OTHER PRECAUTIONS

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: October 30, 1981

I. IDENTIFICATION

PRODUCT NAME:	BUTYL CELLOSOLVE®		
CHEMICAL NAME:	2-Butoxyethanol; Ethylene Glycol Monobutyl Ether	CHEMICAL FAMILY:	Glycol Ethers
FORMULA:	$C_4H_9OC_2H_4OH$	MOLECULAR WEIGHT:	118.18
SYNONYMS:	Butyl CELLOSOLVE®		
DEPARTMENT OF TRANSPORTATION	HAZARD CLASSIFICATION	Combustible liquid	
	SHIPPING NAME	Combustible liquid, NOS	
CAS # 111-76-2	CAS NAME	Ethanol, 2-butoxy-	

II. PHYSICAL DATA

BOILING POINT, 760 mm Hg 101.325 kPa	171.2 °C (340.2 °F)	FREEZING POINT	−70.4 °C (−34.7 °F)
SPECIFIC GRAVITY (H_2O = 1)	0.9022 at 20/20 °C	VAPOR PRESSURE at 20 °C	(0.08 kPa) 0.6 mm Hg
VAPOR DENSITY (air = 1)	4.1	SOLUBILITY IN WATER, % by wt.	Complete
PER CENT VOLATILES BY VOLUME	100	EVAPORATION RATE (Butyl Acetate = 1)	0.08
APPEARANCE AND ODOR	Colorless liquid; mild odor.		

III. INGREDIENTS

MATERIAL	%	TLV (Units)	HAZARD
2-Butoxyethanol	100	25 ppm (skin) ACGIH 50 ppm (skin) OSHA	Toxic, eye irritant, combustible

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method(s))	150 °F, Tag closed cup ASTM D 56 157 °F, Tag open cup ASTM D 1310

FLAMMABLE LIMITS IN AIR, % by volume — LOWER: Not determined (volatile fluid) — UPPER: Not determined (volatile fluid)

EXTINGUISHING MEDIA	Use water spray, carbon dioxide, dry chemical, alcohol-type or universal-type foams applied by manufacturer's recommended technique.
SPECIAL FIRE FIGHTING PROCEDURES	Use self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS	None

V. EMERGENCY PHONE NUMBER

304/744-3487

This number is available days, nights, weekends, and holidays.

EXXON COMPANY USA
A DIVISION OF EXXON CORPORATION

TOLUENE

Form No. OSHA-1
8/10/79
Supersedes issue
of 8/1/77

U.S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
Exxon Company, U.S.A.	(713) 656-3424

ADDRESS (Number, Street, City, State and ZIP Code)
P.O. Box 2180 Houston, Texas 77001

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
Toluene	TOLUENE
CHEMICAL FAMILY	**FORMULA**
Petroleum Hydrocarbon	C_7H_8

SECTION II HAZARDOUS INGREDIENTS

	%	TLV (UNITS)
SOLVENTS	100	100 ppm

SECTION III PHYSICAL DATA

BOILING RANGE	IBP-Dry Pt. (230-232°F) 110.2-111°C	SPECIFIC GRAVITY (H_2O=1)	15.6°/15.6°C 0.87
VAPOR PRESSURE (mm Hg.)	@25°C 54	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	3.2	EVAPORATION RATE (n-BUTYL ACETATE=1)	1.8
SOLUBILITY IN WATER	Negligible		

APPEARANCE AND ODOR
Water-white liquid. Aromatic hydrocarbon odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	FLAMMABLE OR EXPLOSIVE LIMITS (PERCENT BY VOLUME IN AIR)	LOWER LIMIT	UPPER LIMIT
Tag Closed Cup ~7°C (~45°F)		1.2%	7.0%

EXTINGUISHING MEDIA
Foam, dry chemical, CO_2, water spray or fog.

SPECIAL FIRE FIGHTING PROCEDURES
Use air-supplied rescue equipment for enclosed areas.
Cool exposed containers with water spray. Avoid breathing vapor or fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Do not mix or store with strong oxidants like liquid chlorine or concentrated oxygen.

FLAMMABLE LIQUID

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

100 ppm for 8 hour workday.

EFFECTS OF OVEREXPOSURE

Inhalation of high vapor concentrations may have results ranging from dizziness and headaches to unconsciousness. Prolonged or repeated liquid contact with the skin will dry and defat the skin, leading to irritation and dermatitis.

EMERGENCY AND FIRST AID PROCEDURES

If overcome by vapor, remove from exposure immediately; call a Physician. If breathing is irregular or stopped, start resuscitation, administer oxygen. If ingested, DO NOT induce vomiting; call a Physician. In case of skin contact, remove any contaminated clothing, and wash skin with soap and warm water. If splashed into the eyes, flush eyes with clear water for 15 minutes or until irritation subsides.

SECTION VI REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*

Strong oxidants like: liquid chlorine, concentrated oxygen, sodium or calcium hypochlorite.

HAZARDOUS DECOMPOSITION PRODUCTS

Fumes, smoke and carbon monoxide, in the case of incomplete combustion.

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove all ignition sources. Keep people away. Recover free liquid. Add absorbent (sand, earth, sawdust, etc.) to spill area. Avoid breathing vapors. Ventilate confined spaces. Open all windows and doors. Keep petroleum products out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

WASTE DISPOSAL METHOD

Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved disposal site or facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)* Use hydrocarbon vapor canister or supplied-air respiratory protection in confined or enclosed spaces if needed.

VENTILATION		
	LOCAL EXHAUST: Face velocity > 60 fpm	SPECIAL: Use only with adequate* ventilation.
	MECHANICAL *(General)*: Use explosion-proof equipment	OTHER: No smoking or open lights.

PROTECTIVE GLOVES Use chemical-resistant gloves, if needed to avoid repeated or prolonged skin contact

EYE PROTECTION Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT Use chemical-resistant apron or other clothing if needed to avoid repeated or prolonged skin contact.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

Keep containers closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants. Adequate* ventilation required.

* Adequate means equivalent to outdoors.

OTHER PRECAUTIONS Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing, launder before reuse. Remove contaminated shoes and thoroughly dry before reuse. Wash skin thoroughly with soap and water after contact.

FOR ADDITIONAL INFORMATION ON HEALTH EFFECTS CONTACT:

Director of Industrial Hygiene
(713) 656-2443

FOR OTHER PRODUCT INFORMATION CONTACT:

Manager, Marketing Technical Services
(713) 656-4929

EPA United States Environmental Protection Agency

Envirofacts Warehouse | Queries | Report Error | EF Overview | Query | Model | Feedback | EF Home

Query Results

Name: Containing: hat
ZIP Code: 12508
Location Address: 1 main
City Name: beacon
State Abbreviation: ny

LIST OF EPA-REGULATED FACILITIES IN ENVIROFACTS

To see a report on a facility click on the underlined Facility Name. Click on the underlined "View Facility Information" link to view EPA Facility information for the facility.

Go To Bottom Of The Page

FACILITY NAME/ADDRESS	FACILITY INFORMATION	Permitted Discharges to Water?	Toxic Releases Reported?	Hazardous Waste Handler?	Active or Archived Superfund Report?	Air Releases Reported?
DOREL HAT CO INC 1 MAIN ST BOX 267 BEACON, NY 12508	View Facility Information	NO	NO	YES	NO	NO

Go To Top Of The Page

Total Number of Facilities Displayed: 1

EPA United States Environmental Protection Agency

Envirofacts Warehouse | Queries | Report Error | EF Overview | Query | Model | Feedback | EF Home

MultiSystem Report

DOREL HAT CO INC
1 MAIN ST BOX 267
BEACON, NY 12508

Map this facility

EPA Facility Information

This query was executed on JUL-21-2005

RCRAInfo

HANDLER ID: NYD001398551

No NAICS Codes are available for the facility listed above.

HANDLER / FACILITY CLASSIFICATION

HANDLER TYPE
Not in a universe

No Process Information is available for the facility listed above.

Additional Information can be obtained from Resource Conservation and Recovery Information RCRAInfo Query.

EPA Home | Contact Us

Last updated on Thursday, July 21st, 2005
http://oasint.rtpnc.epa.gov/enviro/multisys2.get_list

EPA United States Environmental Protection Agency

Envirofacts Warehouse | Facility Information | Report Error

Overview | NEW EZ Query | Query | Model | Feedback | EF Home

Facility Detail Report

Facility Name:	DOREL HAT CO INC
Location Address:	1 MAIN ST BOX 267
Supplemental Address:	
City Name:	BEACON
State	NY
County Name:	DUTCHESS
ZIP/Postal Code:	12508
EPA Region:	02
Congressional District Number:	26
Legislative District Number:	NY
HUC Code:	02020008
Federal Facility:	
Tribal Land :	NO
Latitude:	41.507795
Longitude:	-73.983361
Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point Description:	PLANT ENTRANCE (GENERAL)
Duns Number:	001398551
Registry ID:	110009464178

Map this facility

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
RCRAINFO	NYD001398551	NOT IN A UNIVERSE	IMPLEMENTER	03/24/1995	

Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
CONTACT/GENERAL	1 MAIN ST BOX 267	BEACON	NY	12508	RCRAINFO

NAICS Codes

No NAICS Codes returned.

SIC Codes

No SIC Codes returned.

Contacts

No Contacts returned.

Organizations

No Organizations returned.

Alternative Names

No Alternative Names returned.

Query executed on: JUL-21-2005

EPA United States Environmental Protection Agency

Handler - Handler Search

RCRA

Enter the Handler ID you wish to search on:

Handler ID: nyd001398551

Search Cancel Clear

Your search has found 1 handler(s).

Search Results

Act Loc	Handler Name	EPA Id	Street No.	Street Address	City	State	Zip Code	County	In a Universe
NY	DOREL HAT CO INC	NYD001398551	1	MAIN ST BOX 267	BEACON	NY	12508	DUTCHESS	N

URL: /HANDLER2/Handler_srch.asp

EPA United States Environmental Protection Agency

Handler Detail

RCRA

DOREL HAT CO INC | BEACON | NYD001398551

** = Indicates source record used for Universe Calculations

Handler Universes										
In a Universe	Genstatus	Transporter	Univ Waste	Recycler	Used Oil	Furnace Exempt	Importer	Onsite Burner Exem	Mixed Waste Gen	Underground Injection
N	N	N	N	N	NNNNNNN	U	U	U	U	N

Permitting and Corrective Action Universes								
Permit Workload	Closure Workload	Postclosure Workload	Permit Progress	CA Workload	Subject to CA	Subject to CA - TSD	Subject to CA - Discretion	Subject to CA - Non-TSD
-----	-----	-----	-----	N	N	N	N	N

Compliance, Monitoring and Enforcement and GPRA Universes							
Full Enforcement	Operating TSDF	SNC	BOYSNC	GPRA Permit	GPRA Postclosure	GPRA CME	GPRA CA
-----	-----	N	N	N	N	N	N

Source Summary Table				
Act Loc	Source	Sequence	Receipt Date	Non-notifier
NY	** I	1	3/24/1995	
NY	N	1	12/14/1987	

Add Site Identification Form

RCRA Site Detail Report

Universe Justification

Create New Activity Location

Go To

URL: /Handler2/HAND_main.asp

Region II State contact for information requests regarding Underground Storage Tanks

Wayne Bayer
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7020

Tel #(518) 402-9543

Kevin Kratina, Chief
Bureau of Southern Case Management
New Jersey Department of Environmental Protection
P.O. Box 028
401 East State Street
Trenton, NJ 08625-0028

Tel #(609) 292-8761

Water Quality Control
Environmental Quality Board
Commonwealth of Puerto Rico
P.O. Box 11488
Santurce, PR 00910

Tel #(809) 725-8410

St. Croix
Hollis Griffin, Director
Division of Environmental Protection
Department of Planning and Natural Resources
1118 Watergut
Christiansted, VI 00820-5065 and

St. Thomas
Mr. Leonard Reed, Assistant Director
Division of Environmental Protection
Department of Planning and Natural Resources
Nisky Center 231
45A Estate Nisky
Charlotte Amalie
St. Thomas, VI 00801

Telephone # (340) 774-3320

NJ Revised 7/16/03. NY Revised 3/28/05

Environmental Protection Agency Internet

Internet - Region 2

EPA Region 2 provides an increasing amount of Environmental media information, and other Regional Activities via Internet at http://www.epa.gov. Region 2 has provided a Freedom of Information Act (FOIA) specific page http://www.epa.gov/region2/foia/rcra/reports which covers RCRA data. Another page covers many media programs (not just RCRA) which is http://www.epa.gov/region2/fff.htm. Through this FOIA page, you can learn about each media Program, associated databases, and special points of interest. Of particular interest is the ability to "directly download" all of the most commonly requested Region 2 ASCII, and Flat File RCRA FOIA reports - all compressed for quicker downloading.

Also found on the FOIA site are direct links to the Envirofacts, and RTK Net public access databases. Both house Environmental media data from EPA National Databases, and are specifically designed for public use. Both have on-line query capabilities for facility specific information.

More specific FOIA requests will be honered by directly writing to Region 2 and more specific questions regarding the RCRA Program should be directed to the RCRA Hotline at 1-800-424-9346.

Internet - HQ

EPA HQ provides BRS data cycle instructions, and the data for all completed BRS data cycles at http://www.epa.gov/epaoswer/hazwaste/data.

APPENDIX E
Historic Topographical Maps

EDR™ Environmental
Data Resources Inc

EDR Historical Topographic Map Report

1 West Main Street
1 West Main Street
Beacon, NY 12508

Inquiry Number: 1464862.4

July 13, 2005

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

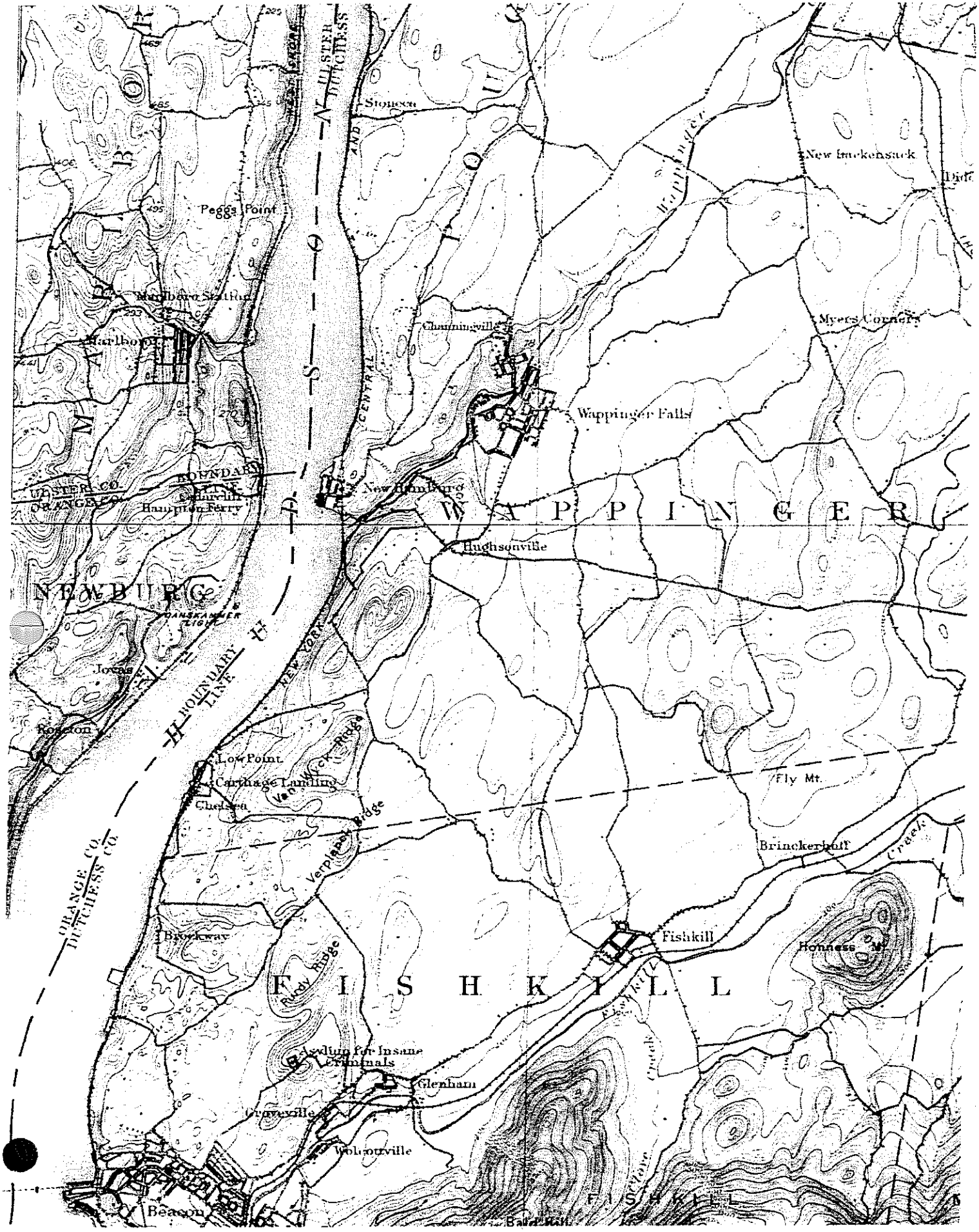
Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable is defined as information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.* To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sole historical source consulted), building department records, or zoning/and use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2 page 12.)

EDR's Historical Topographic Map Report includes a search of available public and private color historical topographic map collections.

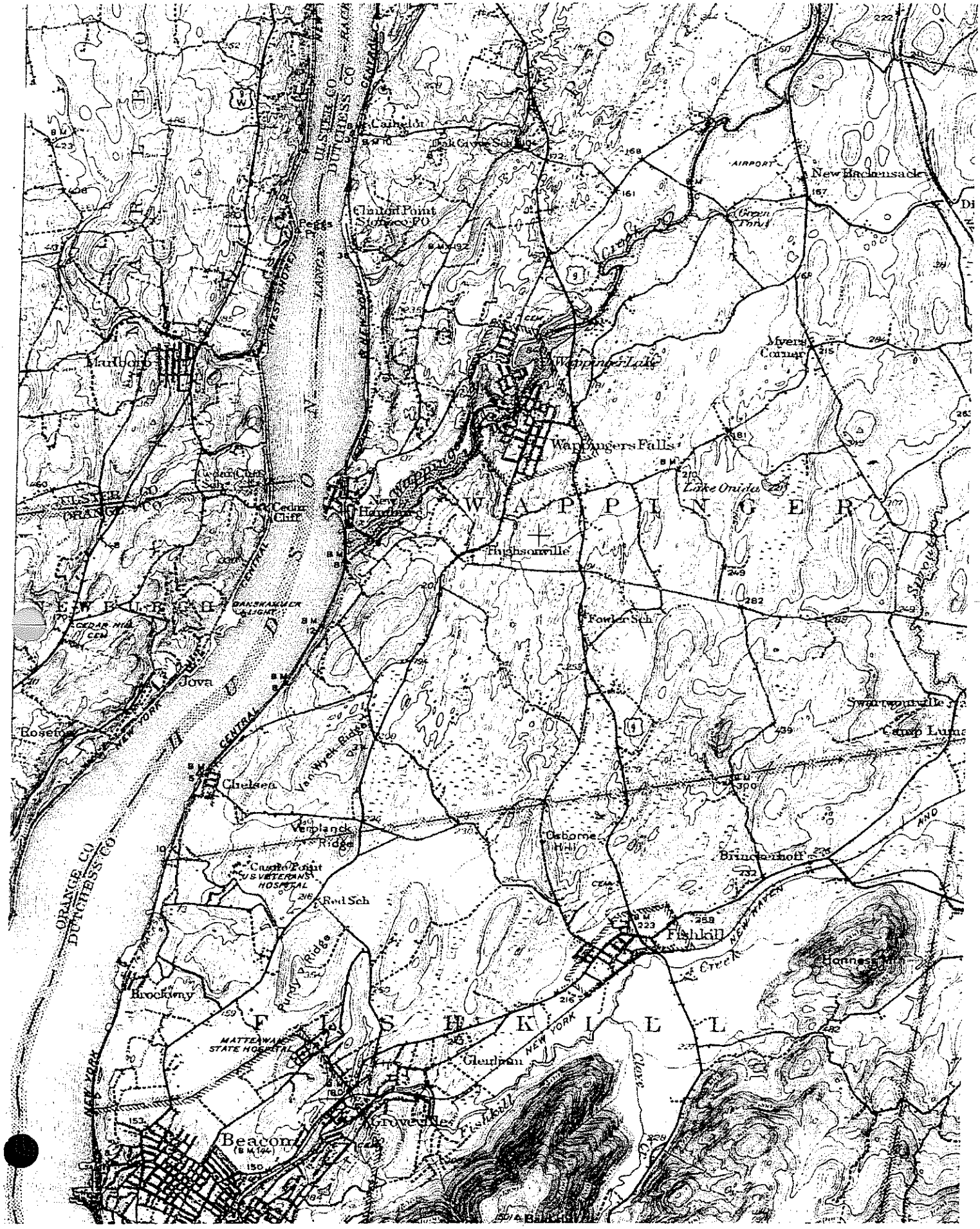
Topographic Maps

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black); and features that have been updated using aerial photography, but not field verified, such as disturbed land areas (e.g., gravel pits) and newly developed water bodies (purple).

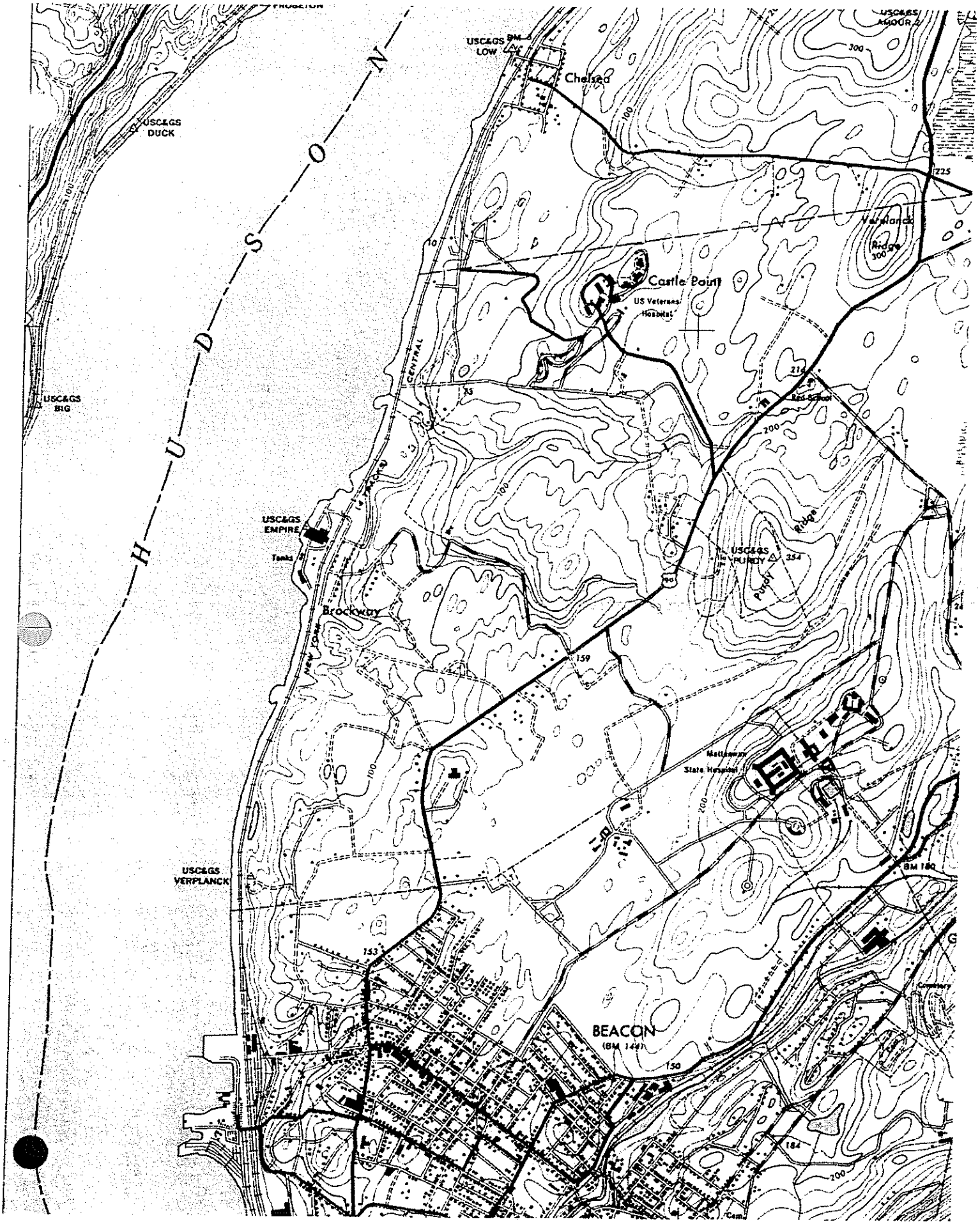
For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topo maps covering the United States. Each map covers a specific quadrangle (quad) defined as a four-sided area bounded by latitude and longitude. Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area, and due to their frequent availability can be particularly helpful when other standard historical sources (such as city directories, fire insurance maps, or aerial photographs) are not reasonably ascertainable.



N ^ EDR INQUIRY# 1464862.4 TARGET QUAD: POUGHKEEPSIE YEAR: 1903 Series: 15' Scale: 1:62,500

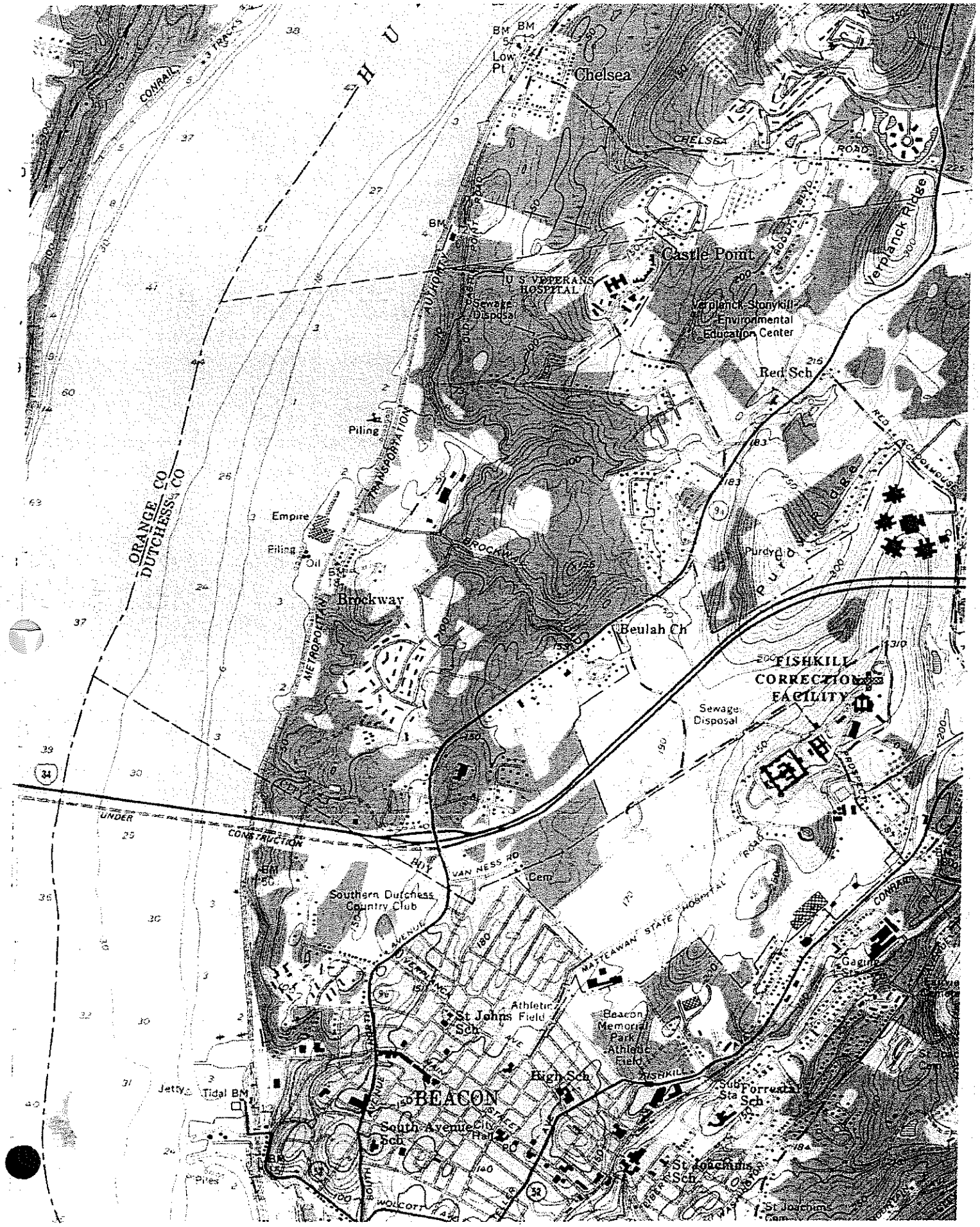


N ^ EDR INQUIRY# 1464862.4 TARGET QUAD: POUGHKEEPSIE YEAR: 1943 Series: 15' Scale: 1:62,500



N ^ EDR INQUIRY# 1464862.4 TARGET QUAD: WAPPINGERSFALLS YEAR: 1947 Series: 7.5' Scale: 1:24,000

N ^ EDR INQUIRY# 1464862.4 TARGET QUAD: WAPPINGERSFALLS YEAR: 1956 Series: 7.5' Scale: 1:24,000



N ^ EDR INQUIRY# 1464862.4 TARGET QUAD: WAPPINGERSFALLS PhotoRevised: 1956-1981 Series: 7.5' Scale: 1:24,000

APPENDIX F
Sanborn Fire Insurance Maps

EDR™ Environmental Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Amit Garg
Yu & Associates
611 River Drive
Elmwood Park, NJ 07407

Order Date: 7/13/2005 **Completion Date:** 7/14/2005
Inquiry #: 1464862.3S
P.O. #: NA
Site Name: 1 West Main Street
Address: 1 West Main Street
City/State: Beacon, NY 12508
Cross Streets:

Customer Project: 05075
1011100ERK 201-791-0075

Based on client-supplied information, fire insurance maps for the following years were identified

1884 - 1 Map
1889 - 1 Map
1896 - 1 Map
1904 - 1 Map
1912 - 1 Map
1919 - 1 Map
1927 - 1 Map
1946 - 1 Map
1962 - 1 Map

Limited Permission to Photocopy Total Maps: 9

Yu & Associates (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

USER'S GUIDE

This User's Guide provides guidelines for accessing Sanborn Map® images and for transferring them to your Word Processor.

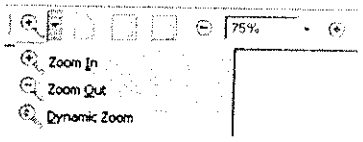
ding Sanborn Maps

Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: http://www.edrnet.com/reports/samples/key.pdf

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

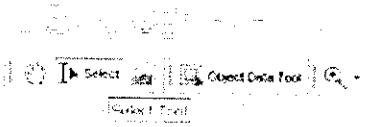


1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
   A. On the menu bar, click "View" and then "Zoom to..."
   B. Or, use the magnifying tool and drag a box around the TP

Printing a Sanborn Map From the Electonic File

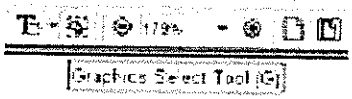
- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

Acrobat Versions 6 and 7



1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.

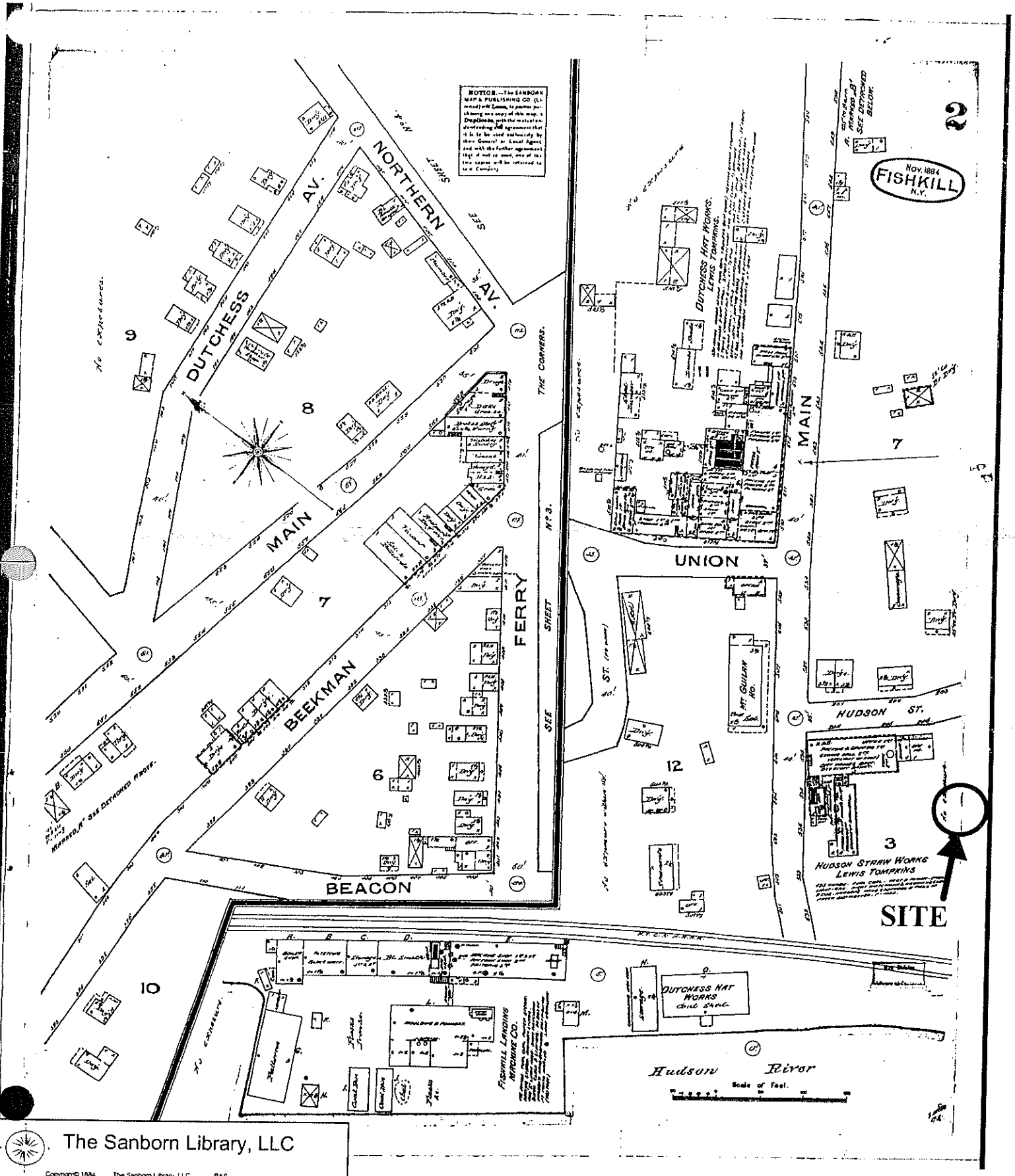
Acrobat Version 5

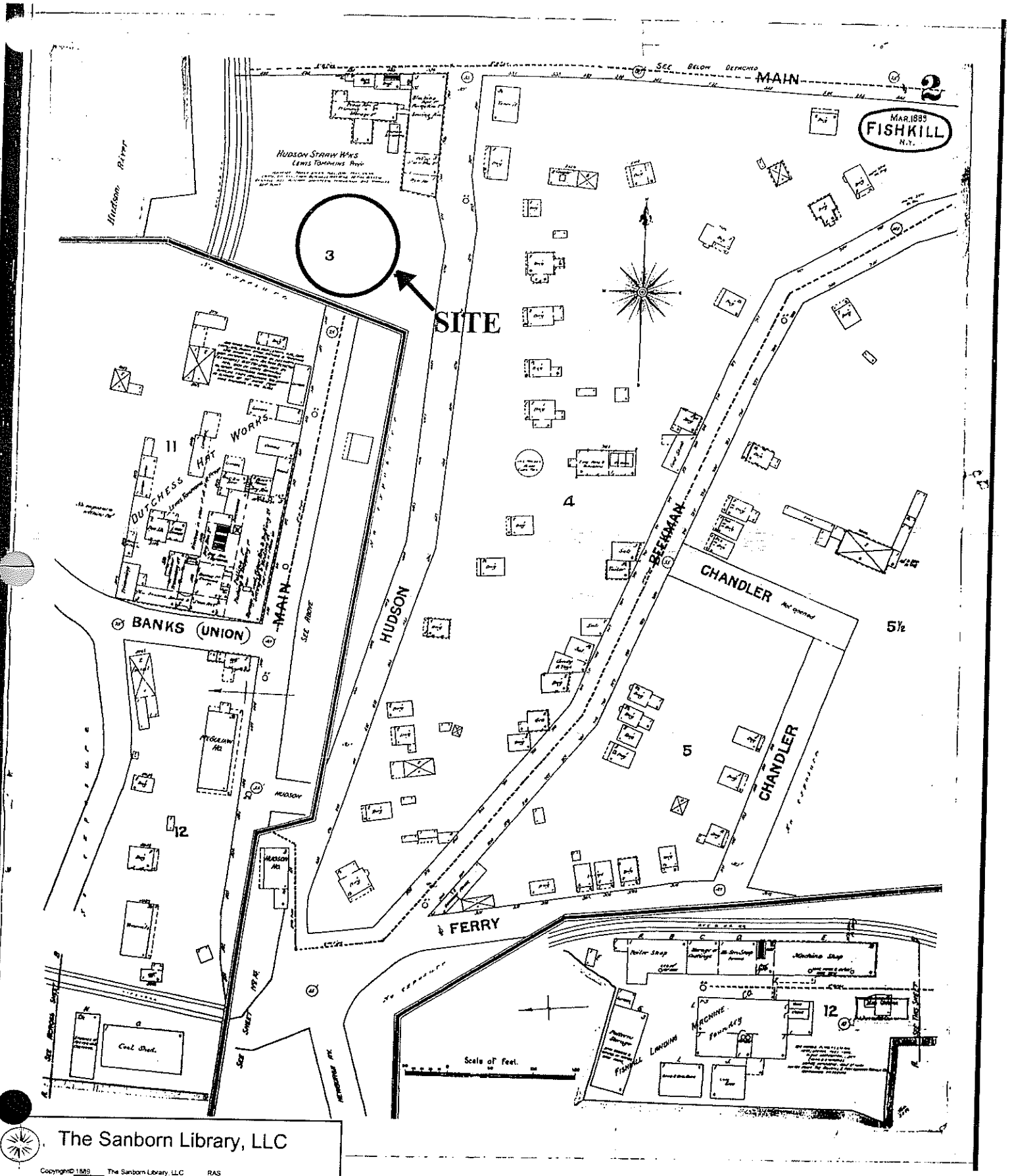


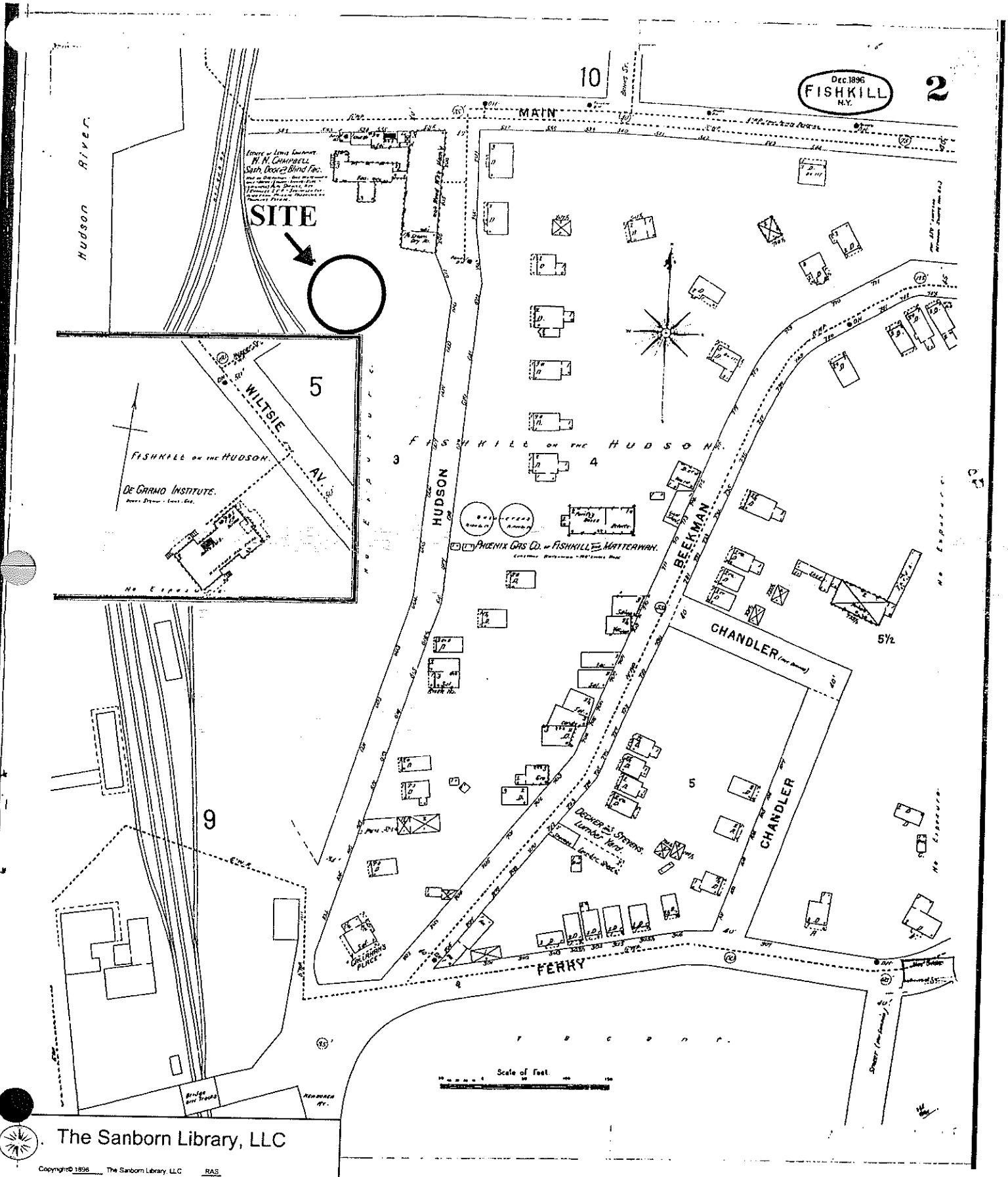
1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.

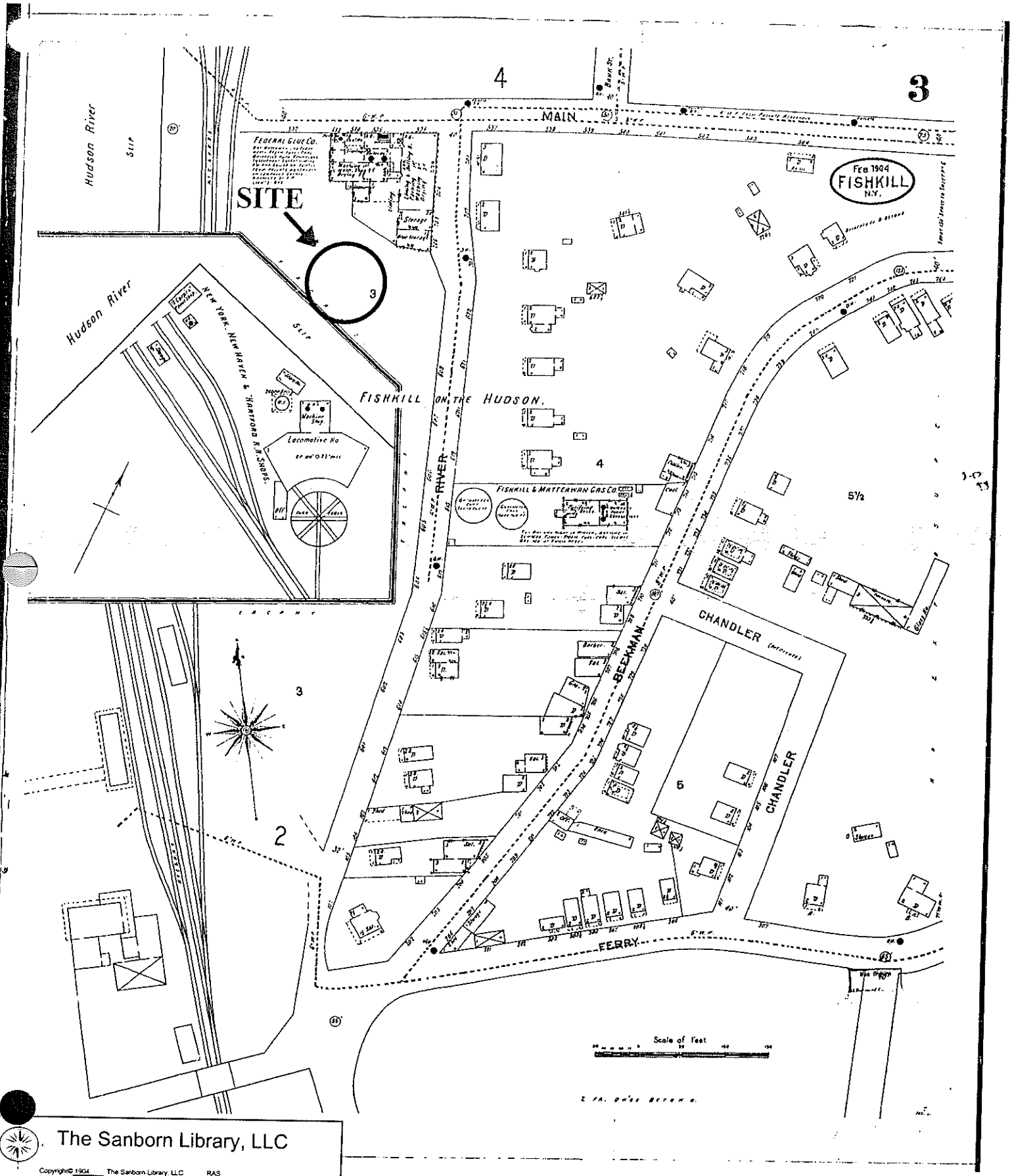
Important Information about Email Delivery of Electronic Sanborn Map Images

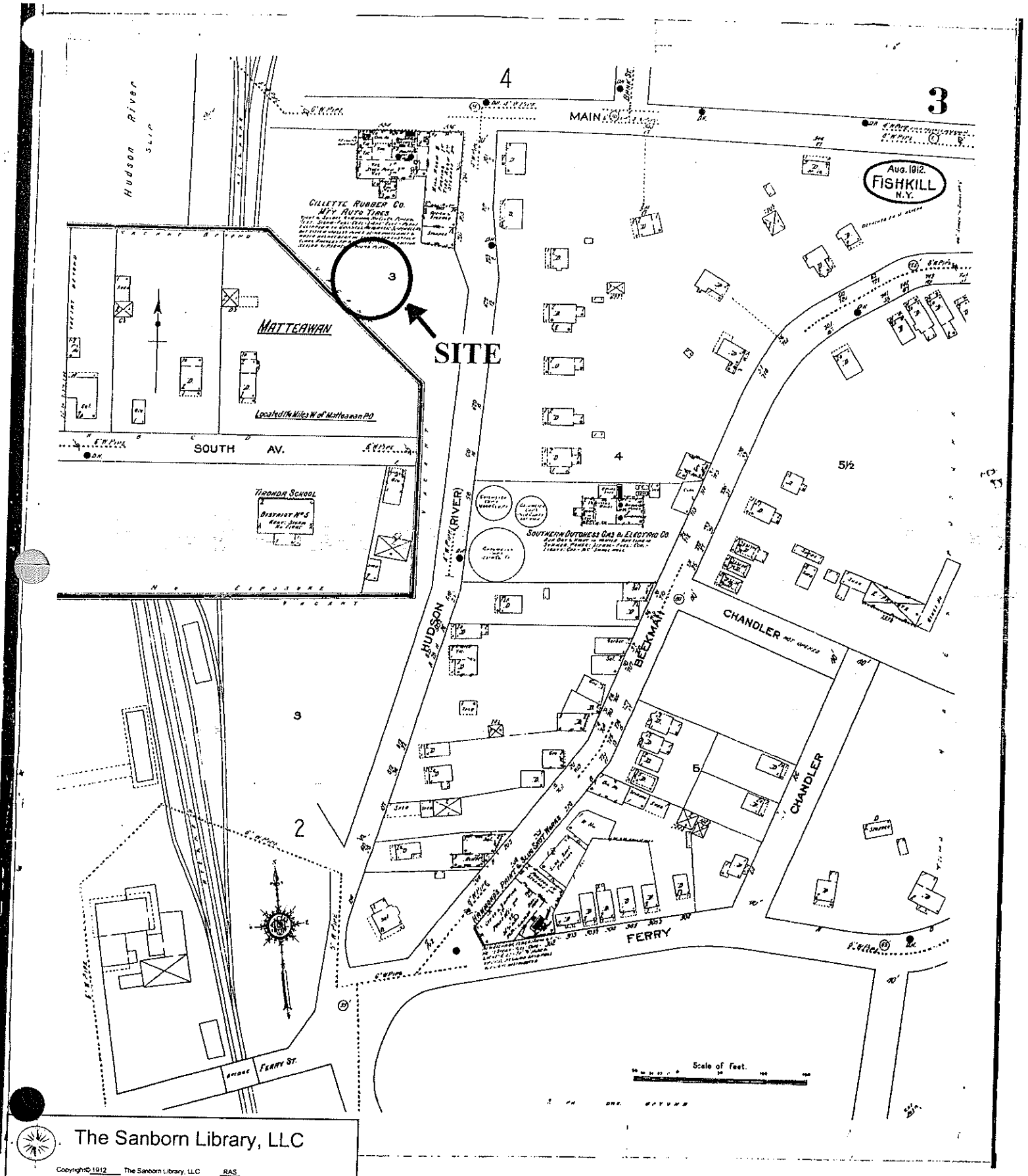
- Images are grouped intro one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.

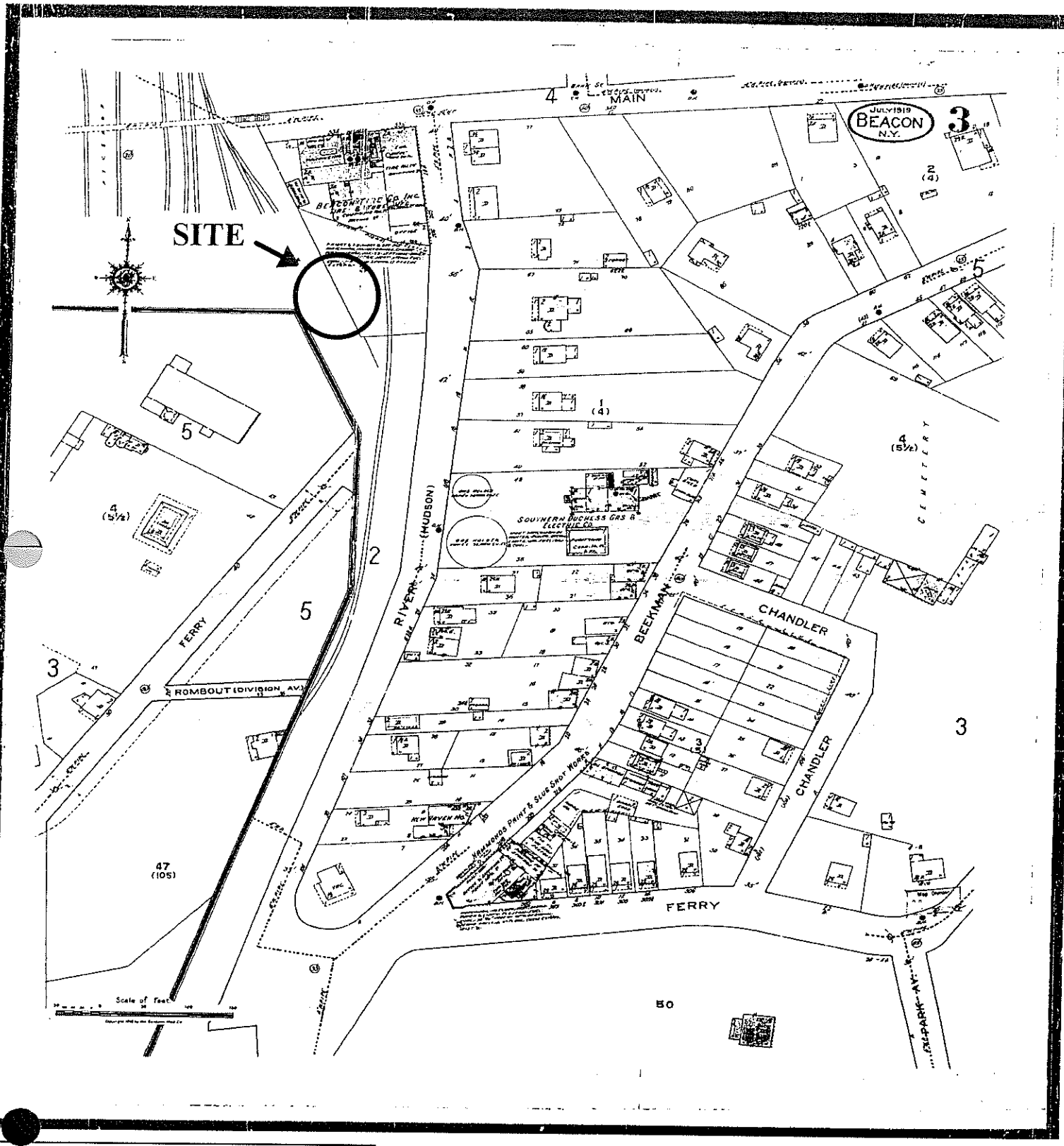


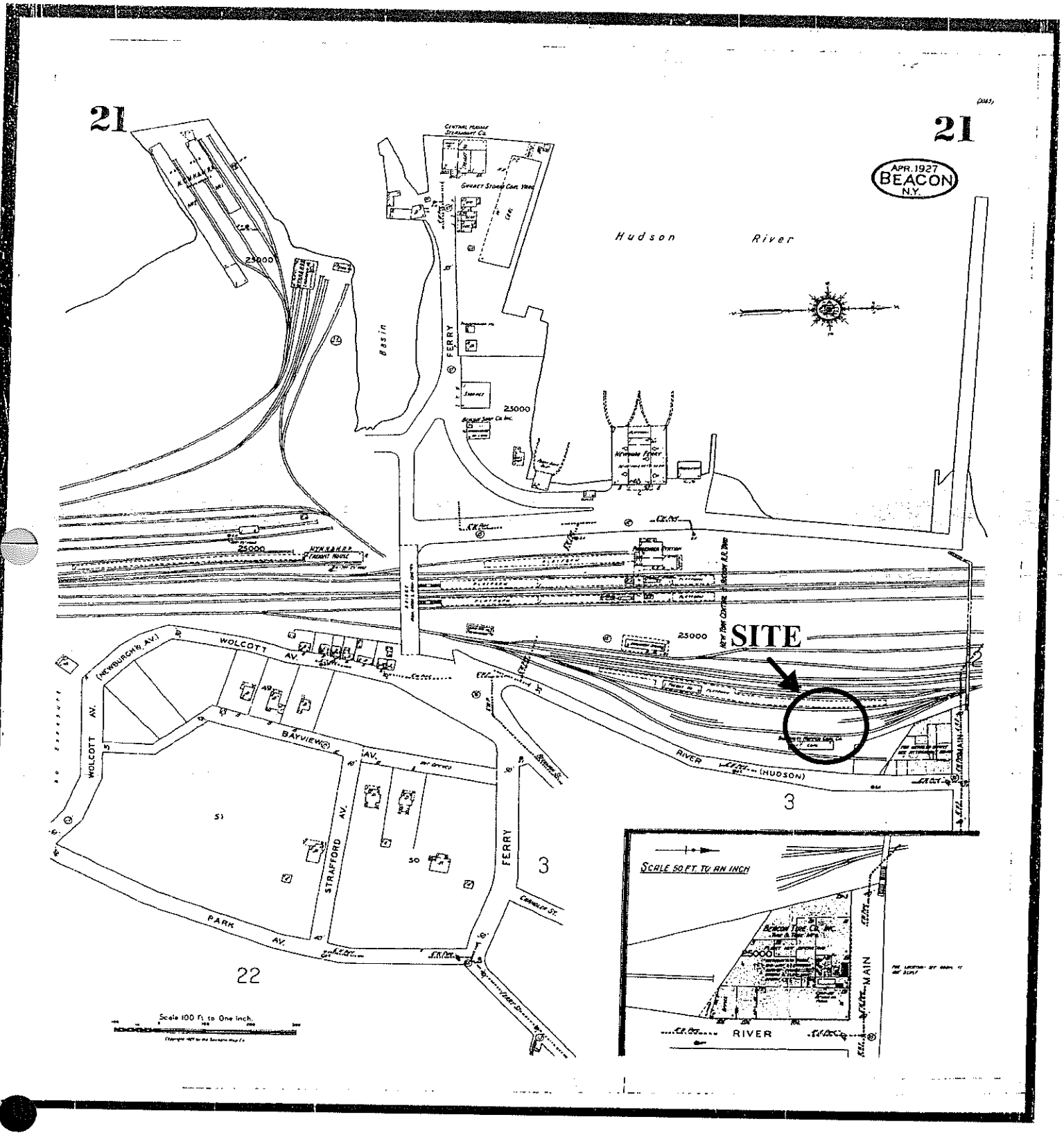


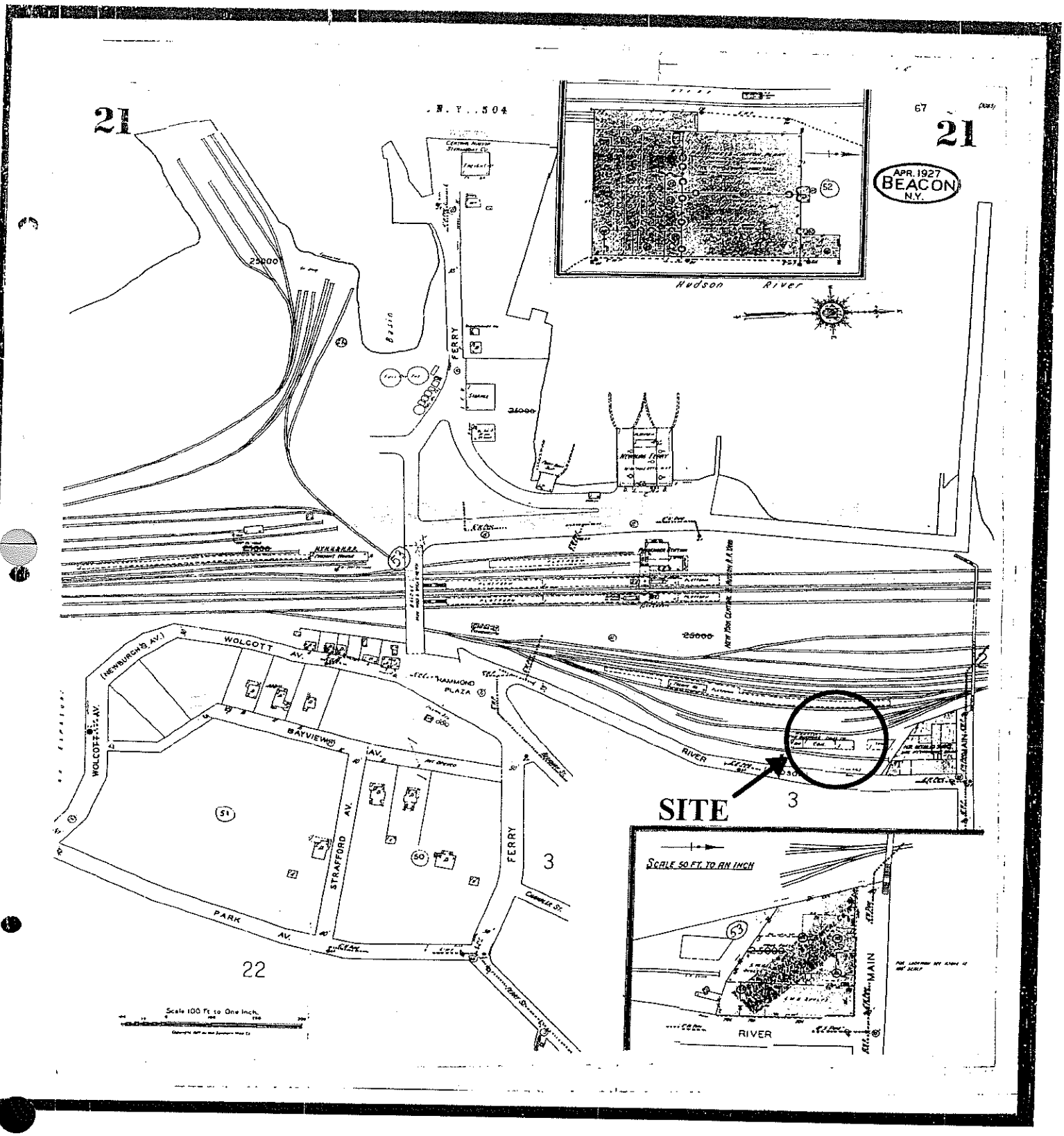


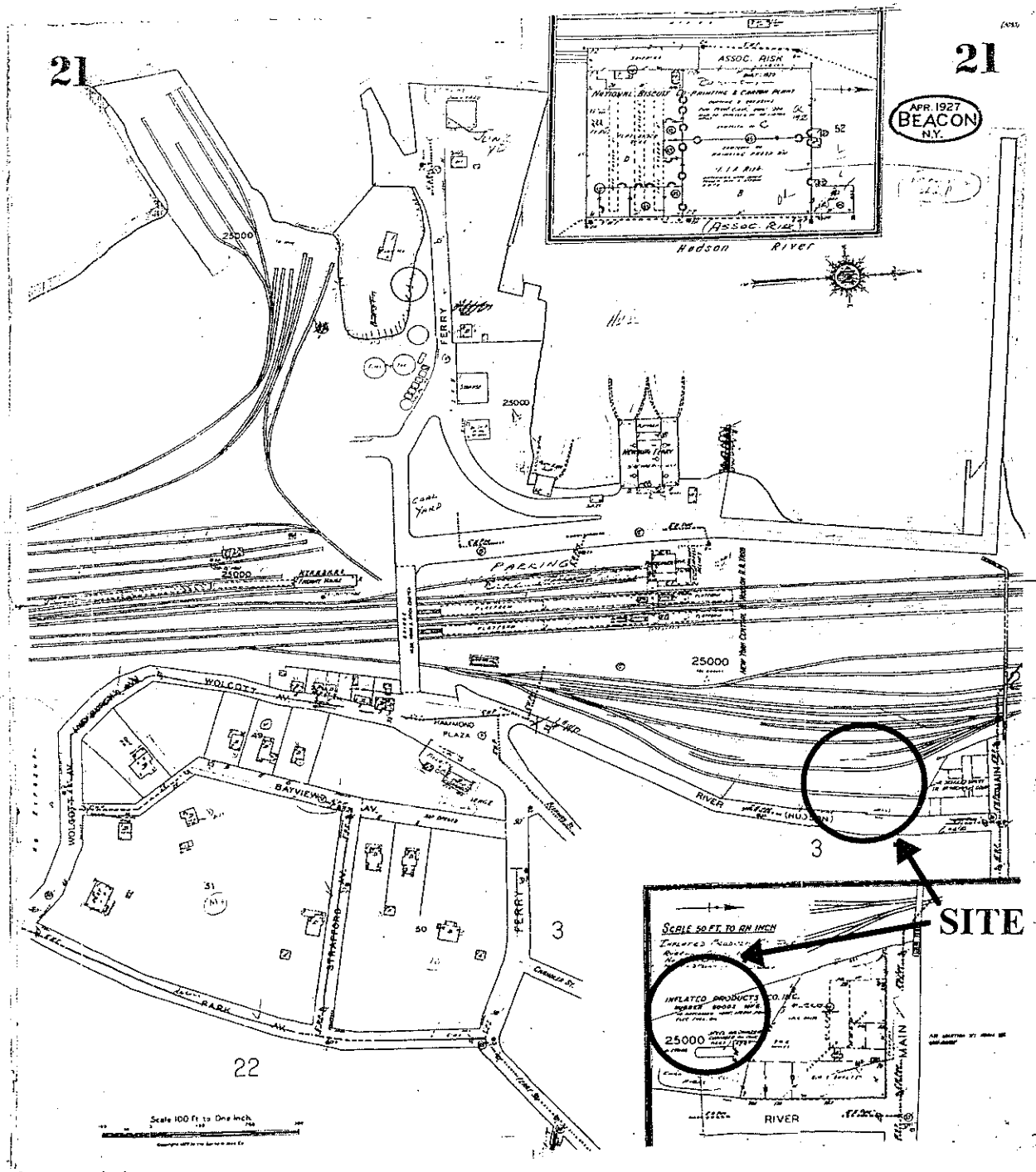












APPENDIX G
Building Department Information

BUILDING RECORD

40 —

CONSTRUCTION SPECIFICATIONS AND BUILDING RECORD

OCCUPANCY

LOT 1 · 2 DWELLING · 3 OTHER (circled)

LIVING ACCOMMODATIONS

BED ROOMS ___ FAMILY ROOM ___

BASEMENT

2 CRAWL · 3 PART · 4 FULL

HEATING

2 CENTRAL · 3 AIRCON

AIR

WATER/STEAM

FURNACE

HEATERS

PLUMBING

PLUMBING POINTS [ ]

BATH

ROOM

TOILET ROOM

LAVATORY

W. CLOSET/URINAL

ATTIC

2 UNFIN · 3 PART · 4 FULL

DWELLING COMPUTATIONS

STORY

S.F.

BASEMENT

HEATING

PLUMBING

VALUE

TRUE VALUE

WALLS

FRAME/STUCCO

CONCRETE BLOCK

BRICK/STONE

PLATE GLASS FRONT

ROOF

SHINGLE/ASPHALT/ASBESTOS

SLATE/TILE/METAL

COMP ON WOOD FRAME

COMP ON STEEL FRAME

FLOORS

	B	1	2	3
CONCRETE				
WOOD				
TILE				
WD/STL FRAME				
REIN CONCRETE				

INTERIOR FINISH

	B	1	2	3
PLASTER/DRYWALL				
FIBERBOARD				
UNFINISHED				

ERECTED/REMODELED

AGE/COND RATING

OTHER FEATURES

PT MASONRY WALLS

FIREPLACE

FINISHED BSMT

ADMITTED BY

No. Units

Builder

MAIN ST.

1^S MTL

(28800)

180

160

FIRST 1850

WLS 770 LF @ 60 = 46230

FIREWALL .20

RF 2.50

LTG .85

HTG .60

PLBG .20

SPK .40

MISC .05

28800 @ 5.20 = 152640

DOCK = 2900

DOORS = 2600

OFFICE = 14950

... = 4200

... 320

... 3790

TOTAL 234350

+10% 23440

257790

BOX PLANT 1^S MTL 160 X 180 X 18' H. CONC REINF FLR. WLS. 770 LF REINCONC 4' H. INSUL MTL SIDING STL FRAME ... FLAT RF ... RFG INSUL ROWS 10" H COLS 30' O.C. ... C.C. (BAYS 30' X 40') CONDUIT WIRING ... FIXTS RF. ... G.A. ... UNITS, ... SPK. RECESSED TRUCK DOCK 80' X 70' X 4' H. ... OFFICE ENCL. ... 20 X 27' ... 12 X 80' ... 8' ... WLS + PARTITIONS. SUSP ... HTG. LTG ... AC + SPK. 5 ... 2 LAV ... 1-54" SEMI ... 1-H. WTR HTR

ADDNS: CPY + CONC STAIRS 8 X 8'

CPY + DOCK 12 X 57'

OWNER

KRAFT CORRUGATED CONTAINERS

COMMERCIAL COMPUTATIONS

STORY ___ BSMT ___

WL HT

BSMT

1ST FLOOR

2ND FLOOR

3RD FLOOR

BASE PRICE

ADJUST %

FRONT

HTG/AIRCON

LIGHTING

PARTITIONS

PLUMBING

SPRINKLER

S.F. PRICE

SQUARE FEET

SUBTOTAL

ADDITIONS

TOTAL BASE

GRADE %

REPL VALUE

DEPRECIATION %

TRUE VALUE

TYPE	NO.	CONSTRUCTION	SIZE	RATE	GRADE	ERECTED	COD	REPL VALUE	DEPR	TRUE VALUE
BOX PLANT		1^S METAL	28800		C+10	1965	G	257790	10	232010
PAVING		ASPH	22000			1965	AV	8800	50	4400

LISTED KB DATE 9-22-71

TOTAL TRUE VALUE OTHER BUILDINGS 236410

TOTAL TRUE VALUE ALL BUILDINGS 236410

GRADE DENOTES QUALITY OF CONSTRUCTION: A—EXCELLENT; B—GOOD; C—AVERAGE; D—CHEAP; E—VERY CHEAP
CDU FACTOR REFERS TO THE CONDITION, DESIRABILITY AND USEFULNESS OF THE BUILDING

LOCATION ~~WOLCOTT AVE.~~ Main St.

C

DISTRICT	ROUTING NO.	CARD NUMBER
30		1 OF 1

RECORD OF OWNERSHIP

Owner	CODE	DATE	BOOK/PAGE	PRICE
PENN CENTRAL				
American Property Investors	71 0	1975	0000 0000	
American Property Investors	710		1419/270	1,072 [illegible] STPS (High Sale)
CCJM Realty LLC	710	5-20-86	1708-455	800,000
Metro-North Commuter RR Co	710	9/12/2002	22002-11803	600000

ACCOUNT NUMBER

MAP	BLOCK	LOT
5954	25 ~~33~~	563911 ~~549777~~ 563911

MEMORANDA

NEW ACCOUNT 8/20/73

L B 236410 T 236410

(LEASED BLDG.) - ~~KRAFT COR. CONT.~~ STONE CONTAINER CORP.

TOPOGRAPHY		IMPROVEMENTS	
LEVEL	✓	CENTRAL WATER	
HIGH		SEWER	
LOW		GAS	
ROLLING		ALL UTILITIES	✓
STREET OR ROAD		**DISTRICT**	
PAVED		IMPROVING	
SEMI-IMPROVED	✓	STATIC	✓
UNIMPROVED		DECLINING	
SIDEWALK		BLIGHTED	

PROPERTY CHANGE RECORD

DATE	NUMBER	PURPOSE	AMOUNT
1/9/03		sold 2.70 to Metro North	

LAND COMPUTATIONS

1 LOT 2 ACRES 3 HOME

FRONTAGE	DEPTH	UNIT VALUE	DEPTH FACTOR	ACTUAL UNIT	UNIT VALUE	ACTUAL UNIT	TOTAL	TOTAL
~~[illegible]~~	~~[illegible]~~			2 Ac @	20,000		~~21780~~	40,000
~~[illegible]~~			~~[illegible]~~	4 Ac @	5,000		~~5000~~	20,000

LOT DEPRECIATION

CLASSIFICATION	NO. OF ACRES	RATE PER ACRE	NO. OF ACRES	RATE PER ACRE		
HOMESITE						
TILLABLE LAND						
PASTURE						
WOODLAND						
WASTELAND						
OTHER						
TOTAL ACREAGE	3.11					'76

TOTAL VALUE LAND (GROSS)	23780	60,000
TOTAL VALUE BUILDINGS	236410	236,400
TOTAL VALUE LAND AND BUILDINGS	260190	296,400

ASSESSMENT RECORD

LAND	23,780	LAND	
BUILDING	236,410	BUILDING	
EXEMPTION		EXEMPTION	
19 74 TOTAL	260,190	19 TOTAL	
LAND	60,000	LAND	
BUILDING	236,400	BUILDING	
EXEMPTION		EXEMPTION	
19 76 TOTAL	296,400	19 TOTAL	
LAND	145440	LAND	
BUILDING	373500	BUILDING	
EXEMPTION		EXEMPTION	
19 TOTAL	518940	19 TOTAL	
LAND		LAND	
BUILDING		BUILDING	
EXEMPTION		EXEMPTION	
19 TOTAL		19 TOTAL	

COLE-LAYER-TRUMBLE CO./APPRAISERS © 1970

DUTCHESS COUNTY, NEW YORK

APPENDIX H
Site Photographs

YU & Associates	PHOTOGRAPHIC DOCUMENTATION	
CLIENT NAME: Day Engineering, P.C.	**PROJECT NAME:** **Modified Phase I - Environmental Due Diligence** **Dorel Hat Company, City of Beacon, New York**	**PROJECT NUMBER:** 0507501

Photo #	**Date:**
1	6/22/05

Description:

Picture of the typical Hat molding operation at the site.

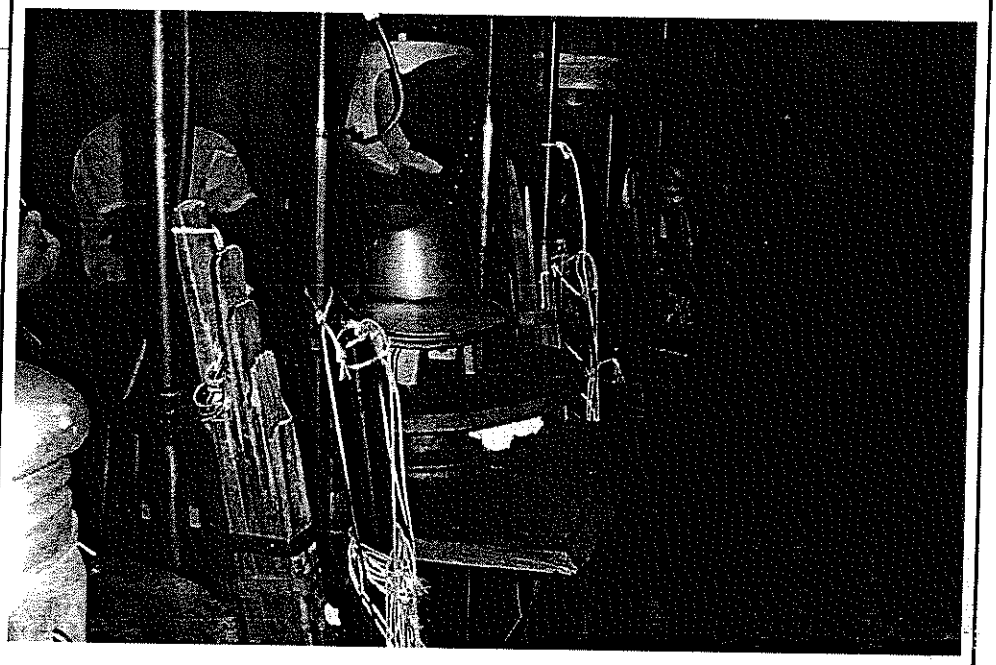
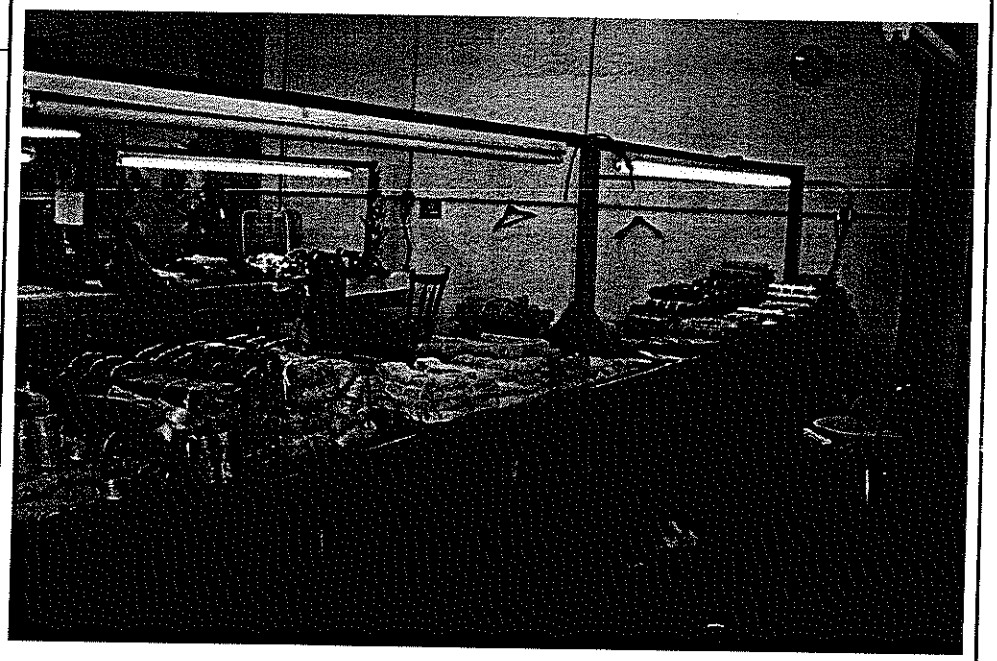


Photo #	**Date:**
2	6/22/05

Description:

Picture of the typical Hat assembly operation at the site.



YU & Associates	PHOTOGRAPHIC DOCUMENTATION	
CLIENT NAME: Day Engineering, P.C.	**PROJECT NAME:** **Modified Phase I - Environmental Due Diligence** **Dorel Hat Company, City of Beacon, New York**	**PROJECT NUMBER:** 0507501

Photo #	**Date:**
3	6/22/05

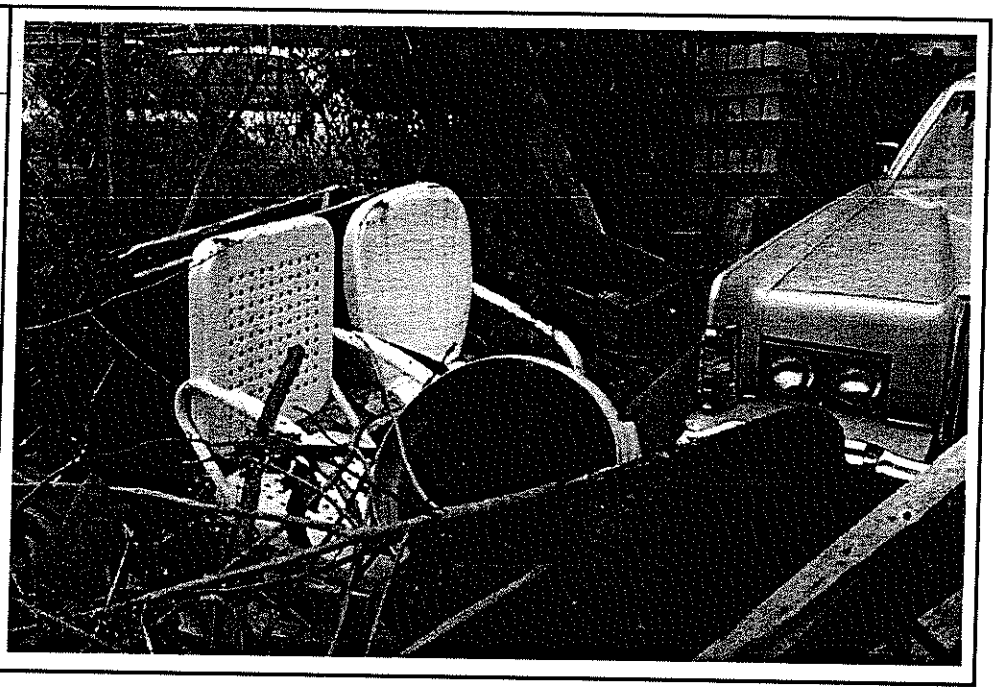
Description:

Junkyard located at northern part of the paved parking lot. Waste oil observed spilled on the ground. Photograph taken facing north.

Photo #	**Date:**
4	6/22/05

Description:

Vehicle Storage Area located at Northeast corner of the paved parking lot. The area is currently leased to Palisi's Auto Body



YU & Associates	PHOTOGRAPHIC DOCUMENTATION	
CLIENT NAME: Day Engineering, P.C.	**PROJECT NAME:** **Modified Phase I - Environmental Due Diligence** **Dorel Hat Company, City of Beacon, New York**	**PROJECT NUMBER:** 0507501

Photo #	**Date:**
5	6/22/05

Description:

A transformer without 'No PCB' label located at the Southeast corner of Dorel Hat Building. Photograph taken facing Southwest

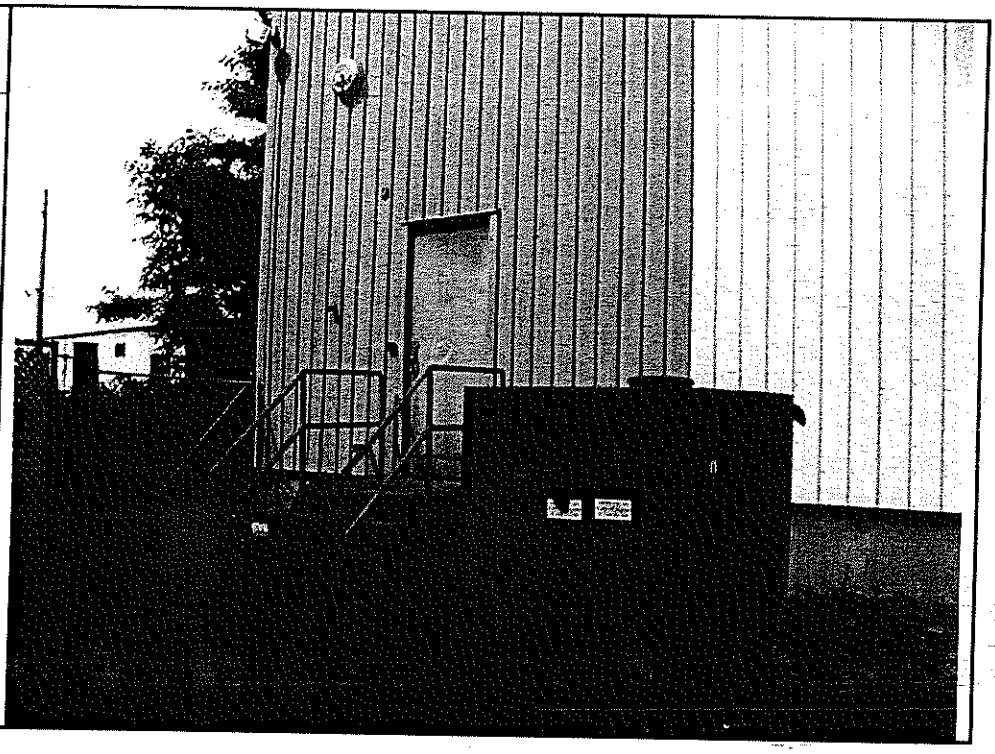
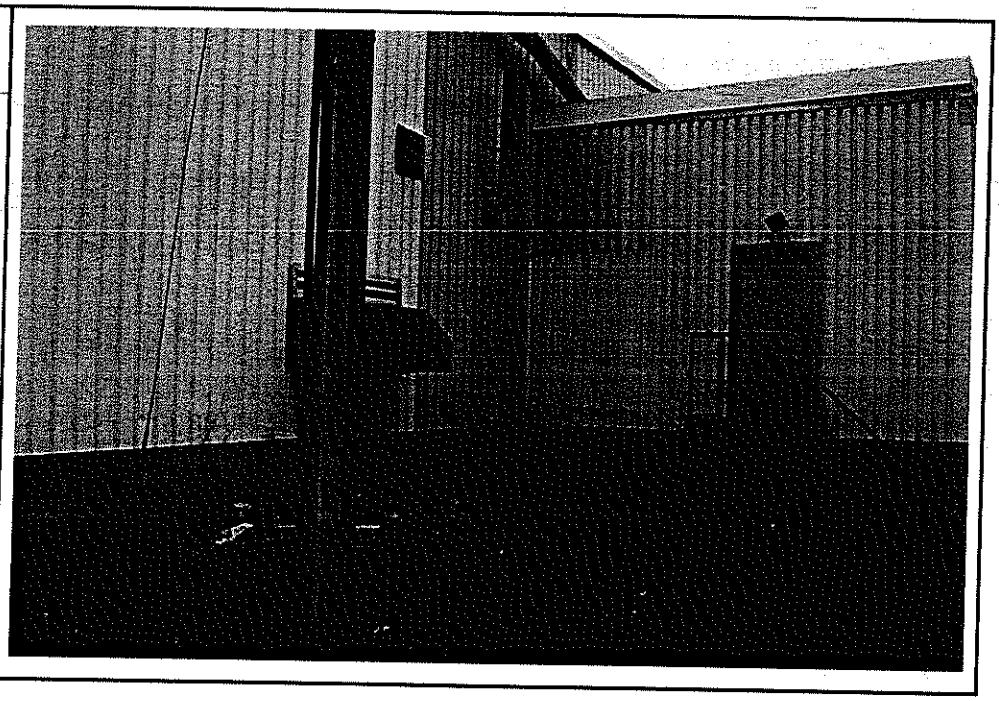


Photo #	**Date:**
6	6/22/05

Description:

Steam pipe blow down area located in southeast corner of the building. Photograph taken facing northwest.



YU & Associates	PHOTOGRAPHIC DOCUMENTATION	
CLIENT NAME: Day Engineering, P.C.	**PROJECT NAME:** **Modified Phase I - Environmental Due Diligence** **Dorel Hat Company, City of Beacon, New York**	**PROJECT NUMBER:** 0507501

Photo #	**Date:**
7	6/22/05

Description:

Fire Hydrant located near the southwest corner of Dorel Hat Building. Photograph taken facing northeast.

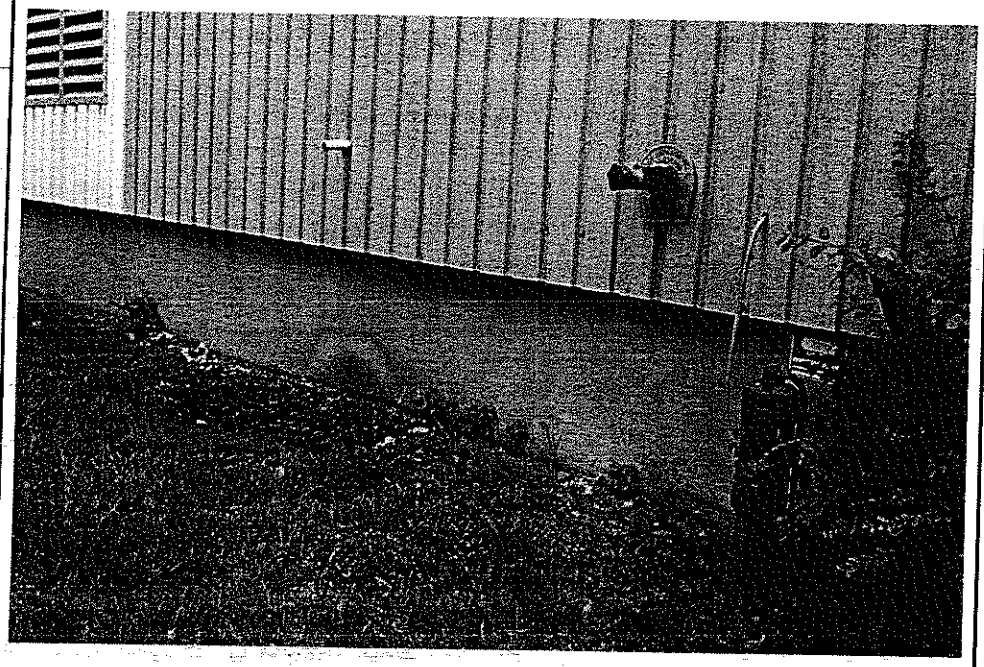
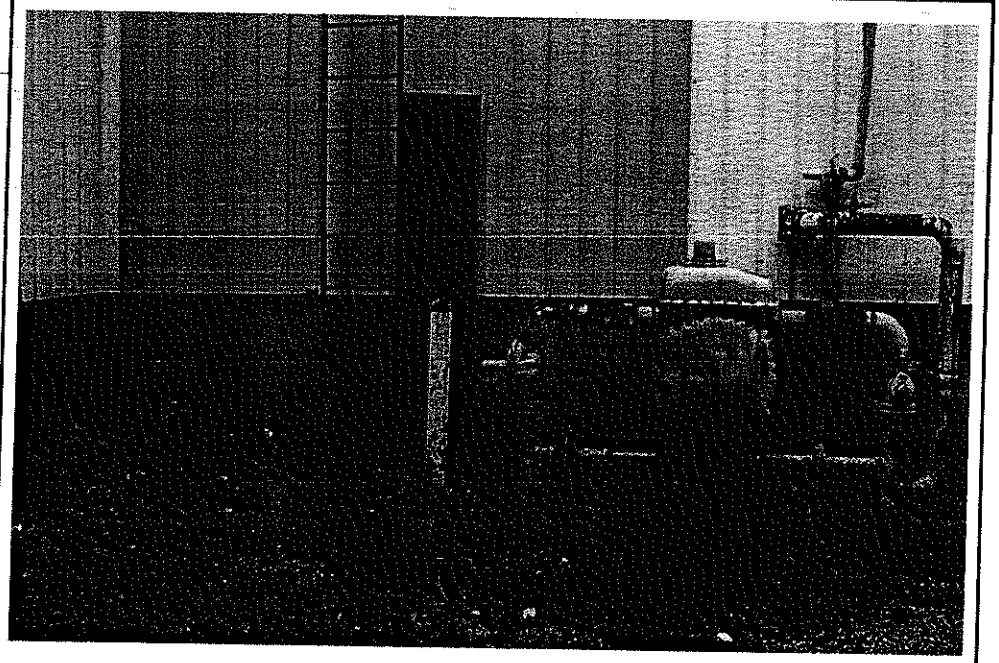


Photo #	**Date:**
8	6/22/05

Description:

Gas meter located at the midsection of east façade. Photograph taken facing west.



YU & Associates	PHOTOGRAPHIC DOCUMENTATION	
CLIENT NAME: Day Engineering, P.C.	**PROJECT NAME:** **Modified Phase I - Environmental Due Diligence** **Dorel Hat Company, City of Beacon, New York**	**PROJECT NUMBER:** 0507501

Photo #	**Date:**
9	6/22/05

Description:

Boiler room inside Dorel Hat Building.

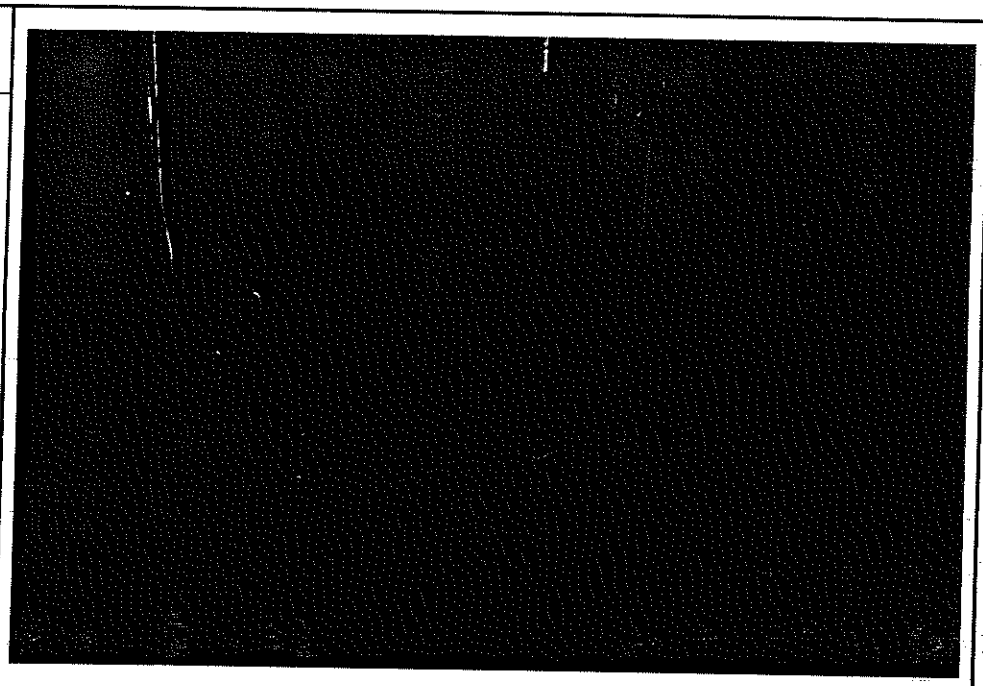
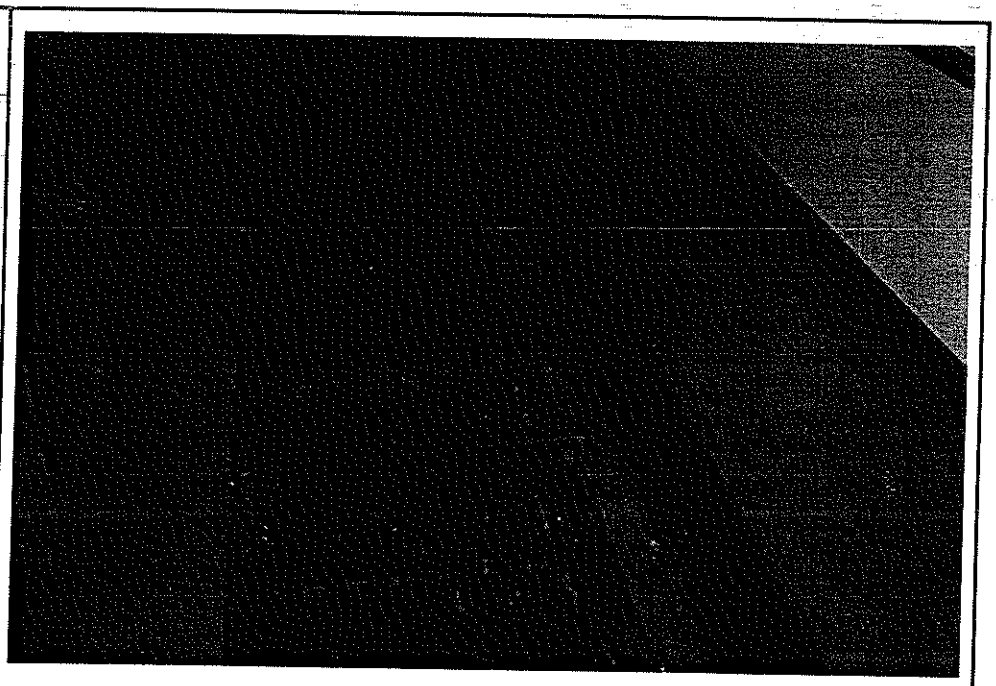


Photo #	**Date:**
10	6/22/05

Description:

Floor Sump near the loading dock at the northern side of Dorel Hat Building.



YU & Associates	PHOTOGRAPHIC DOCUMENTATION	
CLIENT NAME: Day Engineering, P.C.	**PROJECT NAME:** **Modified Phase I - Environmental Due Diligence** **Dorel Hat Company, City of Beacon, New York**	**PROJECT NUMBER:** 0507501

Photo #	**Date:**
11	6/22/05

Description:

Floor Sump in front of the old equipment storage room inside Dorel Hat Building

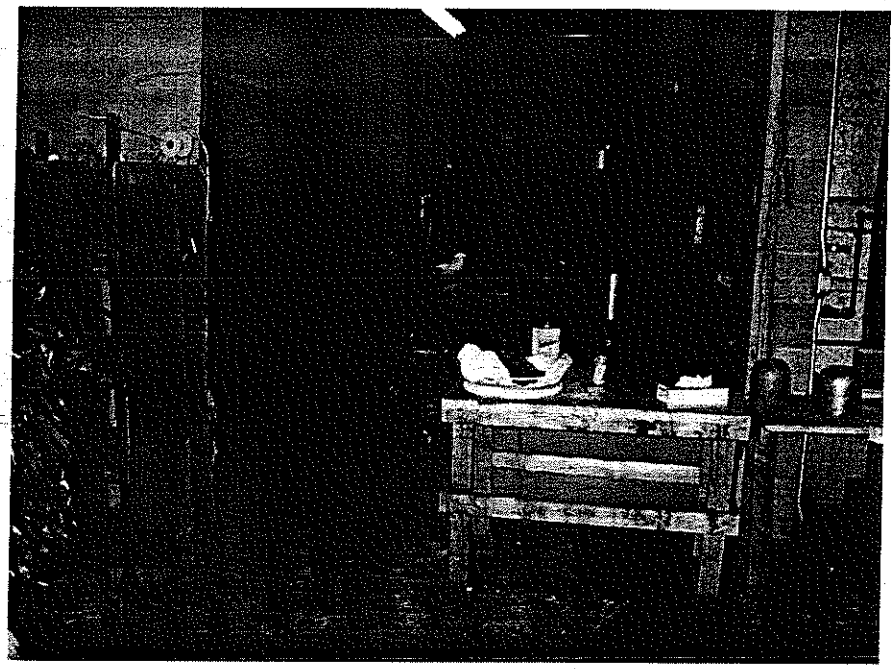
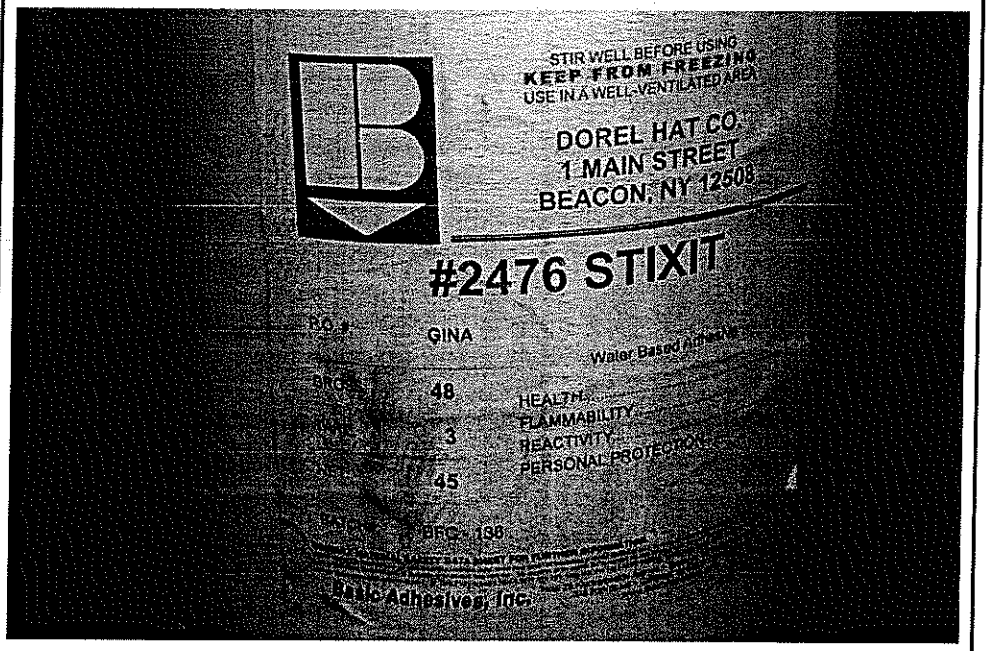


Photo #	**Date:**
12	6/22/05

Description:

A 5-gallon pail of #2476 STIXIT inside Dorel Hat Building



YU & Associates	PHOTOGRAPHIC DOCUMENTATION	
CLIENT NAME: Day Engineering, P.C.	**PROJECT NAME:** **Modified Phase I - Environmental Due Diligence** **Dorel Hat Company, City of Beacon, New York**	**PROJECT NUMBER:** 0507501

Photo #	**Date:**
13	6/22/05

Description:

Dumpster located to the North of the Dorel Hat Building.

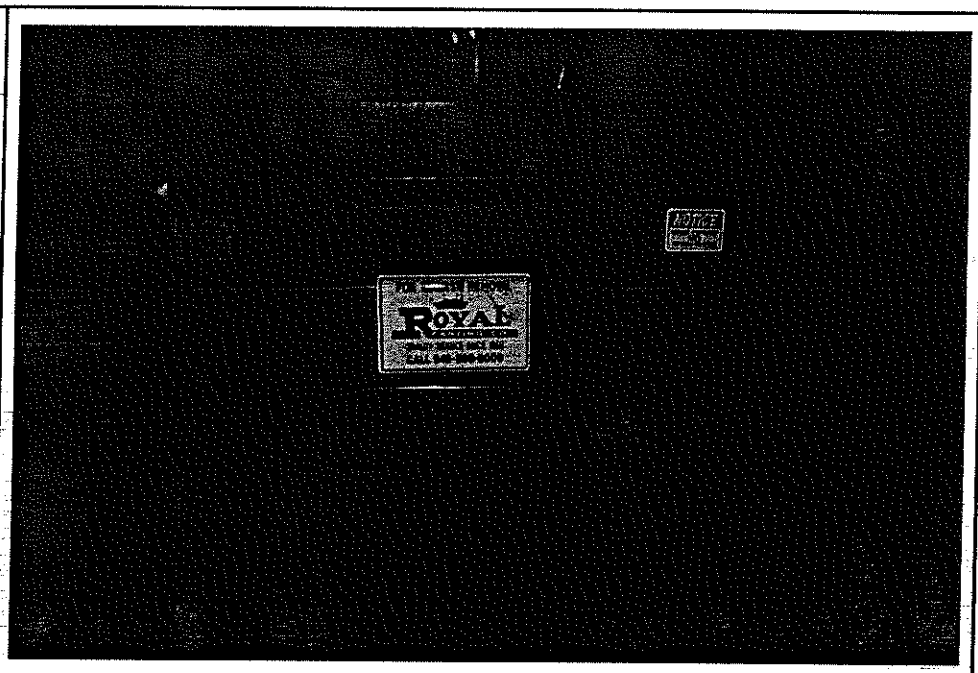
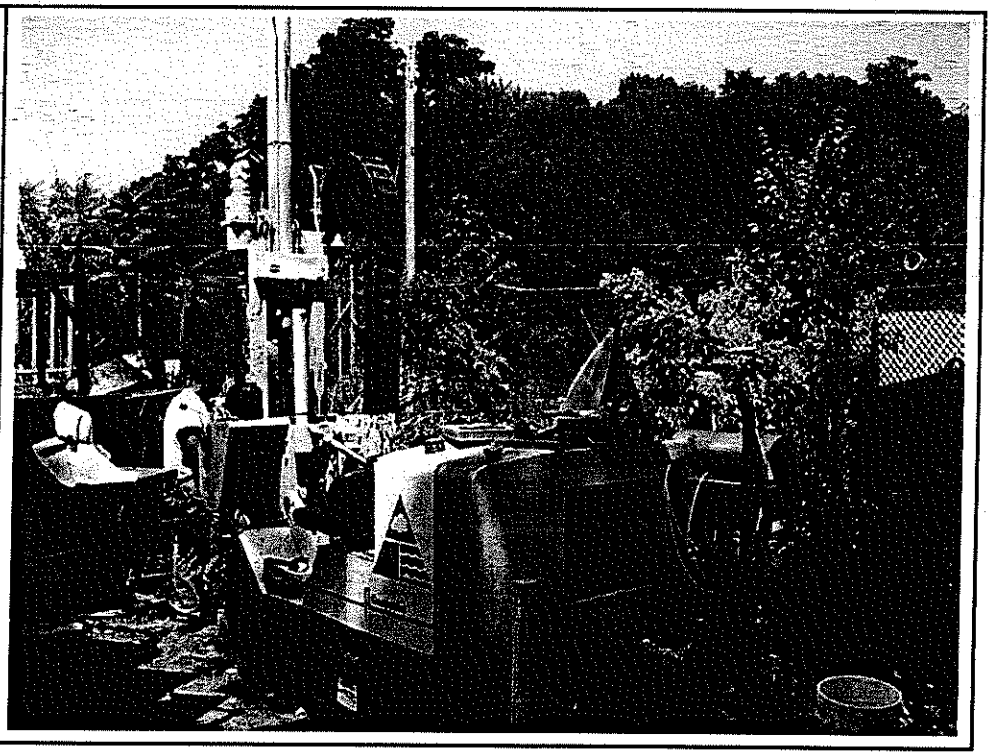


Photo #	**Date:**
14	6/22/05

Description:

The Geoprobe 66DT Direct Push Equipment during drilling activities at the Dorel Hat Property



APPENDIX I
Boring Logs

PROJECT NAME: Metro North Beacon, Dorel Hat
LOCATION: Beacon, NY
GROUND ELEVATION:
NORTHING: **EASTING:**
RIG TYPE: Geoprobe Advance 66 DT.
DRILLING METHOD: Direct Push Geoprobe
CASING: NA
CORING: NA

STARTED: 08/04/05
COMPLETED: 08/04/05

CONTRACTOR: Land Air Water Environmental Services
DRILLER: Ernesto Santiago
INSPECTOR: A. Garg

Boring No. B-1

BOREHOLE FLUID LEVEL	
DATE	DEPTH (FEET)
08/04/05 9:30 AM	3.8

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	Hg (mg/m3)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	0-6": Hand Augering Brown to Dark Brown, c-f SAND, some c-f gravel, little silt, root fragments, dry	42/60				
2		± 2'					
3		Brown to Grayish Brown c-f SAND, some silt, some c-f gravel, concrete fragments, dry ± 3'					
4		Grayish Black c-f SAND, some c-f gravel, trace silt, wet, black stained		1.0		B1-3.0 (Soil)	3-4
5		± 4.5'			0.0 (throughout)	B1-GW (Groundwater)	
6		Grayish Black c-f SAND and c-f GRAVEL, trace silt, wet, black stained, oil sheen		3.0		B1-6.0 (Soil)	6-7
7		± 6.5'					
8	CL	Gray c-f GRAVEL, little c-f sand, little silt & clay, wet, oil sheen ± 7' Gray CLAY & SILT, medium plasticity, wet	30/60	5.5			
9							
10		± 10'					
11		END OF BORING @ 10 FEET					
12							

REMARKS:
B1-6.0 on hold
Oil sheen observed from 5'-7.5'.

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat
LOCATION: Beacon, NY
GROUND ELEVATION:
NORTHING: **EASTING:**
RIG TYPE: Geoprobe Advance 66 DT.
DRILLING METHOD: Direct Push Geoprobe
CASING: NA
CORING: NA

STARTED: 08/04/05
COMPLETED: 08/04/05
CONTRACTOR: Land Air Water Environmental Services
DRILLER: Ernesto Santiago
INSPECTOR: A. Garg

Boring No. B-2

BOREHOLE FLUID LEVEL	
DATE	DEPTH (FEET)
NA	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	Hg (mg/m3)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	Brown c-f SAND, some silt, some c-f gravel, root matters, dry ± 0.6'	42/60	0 (throughout)	0.003	B2-5.0 (Soil)	5-6
2		Gray c-f GRAVEL, some c-f sand, little silt, dry ± 2'			0		
3		Dark Brown c-f SAND, some c-f gravel, trace silt, moist			0		
4							
5		± 3.5'					
6		Grayish Brown c-f SAND, some silt, little c-f gravel, dry ± 6'	43/60				
7	ML	Gray-light Brown SILT & CLAY, moist					
8							
9							
10		± 10'					
11		Same as above	30/60				
12							
13							
14							
15		± 15'					
16		END OF BORING @ 15 FEET					

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat
LOCATION: Beacon, NY
GROUND ELEVATION:
NORTHING: **EASTING:**
RIG TYPE: Geoprobe Advance 66 DT.
DRILLING METHOD: Direct Push Geoprobe
CASING: NA
CORING: NA

STARTED: 08/04/05
COMPLETED: 08/04/05
CONTRACTOR: Land Air Water Environmental Services
DRILLER: Ernesto Santiago
INSPECTOR: A. Garg

Boring No. B-3

BOREHOLE FLUID LEVEL	
DATE	DEPTH (FEET)
08/04/05	12.5

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	Hg (mg/m^3)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	Brown c-f SAND, some silt, some c-f gravel, root matters, dry ± 1'					
2		Dark Brown c-f SAND, some silt and c-f gravel, with concrete fragments, brick fragments, moist/dry ± 3.7'	44/60				
3							
4							
5		± 5'					
6		Dark Gray- Brown c-f SAND, some c-f gravel, little silt, trace Clay, moist ± 6'				B3-5.5 (Soil)	5.5-6.5
7		Gray- Brown Clayey SILT, little c-f sand, trace gravel, moist, pocket of brick fragments at 7 ft. ± 7.3'	28/60				
8				0 (throughout)	0 (throughout)		
9							
10		± 10'					
11	SM	Dark-Brown c-f SAND, some silt, little m-f gravel, moist, with wood fragments ± 11.5'					
12	PT	Dark Brown SILT & CLAY, little c-f sand, trace gravel organic matter, fibers, wood, moist (PEAT), low plasticity				B3-11.5 (Soil)	11.5-12.5
13		Gray silty CLAY, some c-f gravel, some c-f sand, fibers, wet (PEAT), low plasticity ± 12.5'	60/60				
14							
15		± 15'					
16	PT	Dark Gray-Brown SILT & CLAY, little m-f sand, organic matter, wood fragments, wet, low plasticity ± 16.3'					
17		Dark Brown Clayey SILT, some m-f sand, trace gravel, wood fragments, moist, low plasticity					
18			60/60				
19		± 19.5'					
20	SM	Dark Brown c-f SAND and SILT, trace c-f gravel, wood fragments, moist ± 20'					
21		END OF BORING @ 20 FEET					

REMARKS: Groundwater encountered at 12.5 ft. Approximately 500 ml of water was sampled, before the flow of water stopped. Per the driller, it was a small amount of water sitting over the underlying clayey strata.

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat
LOCATION: Beacon, NY
GROUND ELEVATION:
NORTHING: **EASTING:**
RIG TYPE: Geoprobe Advance 66 DT.
DRILLING METHOD: Hand Auger
CASING: NA
CORING: NA

STARTED: 08/04/05
COMPLETED: 08/04/05

CONTRACTOR: Land Air Water Environmental Services
DRILLER: Ernesto Santiago
INSPECTOR: A. Garg

Boring No. B-4

BOREHOLE FLUID LEVEL	
DATE	DEPTH (FEET)
NA	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	Hg (mg/m^3)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	Brown c-f SAND, some silt, burnt leaves/wood pieces, black staining at top ±1'		0 0	0 0	B4-0.5 (Soil)	0.5-1.0
2		END OF BORING @ 1 FOOT					
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

REMARKS: Black stained area was observed adjacent to the two 55-gallon drums inside the junk yard area. Surface soil sample was collected at 0.5 ft.

Yu & Associates, Inc.

APPENDIX J
Resumes

ANDREW LEUNG, P.E.

Vice President

EDUCATION AND TRAINING

University of Illinois, MS, Geotechnical Engineering, 1982
University of London, University College, BS, Civil Engineering. 1980

Special Courses:
Short course on Earth Dam Engineering, by Prof. P.R. Vaughan at Imperial College, University of London, 1980
OSHA 40-Hour Health and Safety Training for Hazardous Waste, 1985
OSHA 8-Hour Supervisor's Course, 1990
Confined Space Entry Training - 1995
Designing with Geosynthetics, Geosynthetic Research Institute, 1990
Various Geosynthetics Research Institute Round tables and Seminars, 1991 through 1995
Executive-21 Program in Construction and Engineering Management. Brooklyn Polytechnic, 2000 to 2002.

REGISTRATION

Professional Engineer - New York, New Jersey, 1985

EXPERIENCE SUMMARY

Mr. Leung has 24 years of technical and project management experience in environmental and geotechnical engineering for the planning, design, construction, and rehabilitation of various civil works. His experience encompasses all phases of hazardous and solid waste management projects. His technical experience has focused mainly on the geotechnical aspects of waste management, including remedial design, groundwater monitoring, hydrologic and hydraulic evaluations, and geotechnical and geophysical investigations. His experience also includes the design of soil and rock slopes and the establishment of foundation design criteria. Types of projects include major transportation infrastructure design, sanitary landfills, leachate containment structures, dams and reservoirs, and residential and commercial buildings.

REPRESENTATIVE PROJECTS

Essex Sportsplex Parking Garage, Newark, Essex County, NJ. Fay, Spofford and Thorndike / Essex County. Project Manager in environmental discipline for the design bid built team. Responsibilities included effectively correspond with New Jersey Department of Environmental Protection (NJDEP) and the owner, Essex County, to prepare a Remedial Action Work Plan (RAWP), Perimeter Air Monitoring Plan (PAMP), Remedial Action Report (RAR) and a Deed Notice in a time constraint construction schedule. Provided Remedial Design investigation for the proposed parking facility and managed the investigation and remediation of contaminated soil. Remedial investigations included excavation of test pits and installation of monitoring wells, around the construction activities in a timely manner to achieve optimal progress. Soil remediation included removal and off-site treatment of PCB and TPH contaminated soil. Prepared a drafted a Deed Notice (DN) for soil contamination. Successfully negotiated with the NJDEP to allow the horizontal and vertical delineation samples to serve as the post-excavation samples for impacted soils.

Petroleum Bulk Storage Tank Upgrade Program, New York. NYC Dept. of Design and Construction. Project Manager for the $12 million PBS facility upgrades at 27 fire stations

throughout Manhattan. Upgrade program included environmental remedial investigation and design of fuel tanks at sites managed by the NYCDDC. Also provided innovative remedial design recommendations and feasibility evaluations for contaminated sites that have severe site accessibility and constraints. Project included implementing remote access of throughput fuel quantity via data modem. Implemented a consent compliance program among State Regulators, city agencies, owner, construction managers, and contractors. Participated in roundtable discussion to render opinion on application of Remote Sensing.

Rt. 29 Duck Island Landfill Project, Hamilton, NJ. NJDOT. Project Manager for the closure design of the 36-acre sanitary landfill in Hamilton Township, NJ. Provided end-to-end, fast-track site formation from planning to completion for a site design with extensive environmental constraints for the NJDOT. Managed and engineered the geotechnical and hydrologic investigations, and developed the engineering design focus for the landfill. Geotechnical investigations included the design of an exploration program and the performance of a site formation analysis including settlement and stability evaluations. Hydrologic design included conducting a surface water management design to satisfy current federal, state, and local environmental regulations. Part of the closure plan also included an environmentally friendly design of gabion retaining structures to minimize wetland disturbances as well as facilitate the site drainage criteria. In addition, design included a convertible passive gas collection system, traffic impact studies, and landscaping design. A total of eight federal, state, and local permits were secured on behalf of the NJDOT in an extremely challenging project schedule. The design team won the New Jersey Quality Initiative (NJQI) Award for ***Teamwork and Quality Merit Award*** in 2004. Project also received Client rating of 5.0 */5.0* (**Excellent rating**) was awarded consecutively.

Terminal C Expansion, Newark International Airport, Newark, NJ. Continental Airlines Global Gateway Project, Continental Airlines, Inc. Geotechnical Engineer responsible for the geotechnical engineering for the expansion and improvement of Terminal C. Project includes the construction of a new 12-gate concourse and operations control tower, the reconfiguration of the access roads in front of the terminal, and more than ten acres of new airfield. Responsible for the development of the subsurface exploration programs, engineering analyses, and evaluations; the preparation of geotechnical engineering reports, construction drawings, and specifications; and the provision of geotechnical consulting services during construction. The work also included the use of light-weight fill to support slabs on-grade, tunneling to install utility lines, and the construction of a mechanically stabilized earth wall.

Adam's Ditch Enclosure, Newark International Airport, Newark, NJ. Continental Airlines, Inc. Project Engineer responsible for performing pile foundation designs; slope stability analyses, cost and benefit evaluations; and designing sheetpile bulkheads. Environmental program included planning and performing treatability studies for potentially contaminated dredge spoil stabilization and evaluating result.

Former Manufactured Gas Plant Site, Morristown, NJ, PSE&G. Project Manager for development of the Remedial Design for this former MGP site to be developed as a residential community. Project concerns included public relations, geophysical assessments, deep excavation adjacent to active railroad tracks and extensive waste classification. Responsible for planning, Remedial Action Work Plan (RAWP) development, Remedial Design (RD) and Remedial Action (RA) components.

CHARLES McCUSKER, P.G., C.H.M.M.

Project Manager

EDUCATION

University of Southern Colorado: B.S. Geology

PROFESSIONAL REGISTRATIONS

Professional Geologist Commonwealth of Pennsylvania: License No. PG-002812-G
Professional Geologist, State of Delaware: S40000942
Certified Hazardous Materials Manager, No. 3907
NJDEP Licensed (Subsurface Investigator, UST Closure) No. 239389
Rail Operations Contractor Safety Training (MTA, Conrail, Amtrak, NJ Transit)
Hazardous Waste Site and Supervisor Training: OSHA 29 CFR 1910.120(c)

SUMMARY QUALIFICATIONS

Mr. McCusker has over 19 years of experience in geotechnical engineering, hazardous waste site investigation and remediation on projects throughout the United States. His geotechnical background includes forensic investigations of distressed homes in Southern California, providing oversight and field reconnaissance prior to and during earthwork related to construction of landfills, dams, pipelines, runways, roads and buildings in the Eastern and Western United States. His environmental background includes preliminary assessments, site investigations, and site characterization, remedial investigations and site remediation on projects in Twenty-four States and the U.S. Virgin Islands. He has worked with local, State and Federal officials on environmental projects performed in accordance with CERCLA, TSCA, RCRA, ISRA, CAA, CWA, LUST, and OSHA regulations. His experience includes extent of contamination studies of organic and inorganic chemicals in soil and groundwater, hydrogeologic investigations of water supply systems, groundwater modeling of contaminated aquifers, installation and maintenance of product recovery systems and pump and treat systems, contractor oversight during removal actions and remedial system installation, preparation of Quality Assurance Work Plans, Health and Safety Plans, Preliminary Assessments, Remedial Investigation Reports, Sampling and Analysis Plans, conducting in house training on representative soil sampling and soil classification, computer applications for word processing, database management, modeling and geostatistical analysis.

RELEVANT EXPERIENCE

Proposed Seaman Avenue School, Perth Amboy, New Jersey, NJSCC – Provided remedial investigation of areas of concern identified during previous site investigation and remedial activities on this site. This hydrogeologic investigation included pumping tests and development of a groundwater model for the site. A health and safety plan, remedial investigation report, and remedial action workplan were also prepared. A remedial action selection report was developed and foundation recommendations were made to minimize remedial costs by minimizing excavation and dewatering during construction.

Early Childhood Center 13, Jersey City, New Jersey, NJSCC — Conducted a remedial investigation of properties proposed for acquisition by NJSCC as part of the new early childhood center construction. This investigation included a geophysical survey, and intrusive methods to investigate potential areas of concern including USTs, historical fill, automotive repair facilities and groundwater. Prepared the Preliminary Assessment, Site Investigation, Remedial Investigation reports and the Remedial Action Workplan, bid specifications and Property Acquisition

Environmental Cost Estimate Reports (PAECER) for properties proposed for acquisition.

Grand Street Campus, Brooklyn, New York, Take the Fields – Provided management and review of geophysical investigations conducted in order to identify potential obstructions that might be encountered during athletic field reconstruction. A subsurface investigation was also performed to locate buried structures and to identify potentially contaminated soil. A contaminated soil removal was performed as part of the athletic field reconstruction. A HASP was prepared to address environmental concerns and a RAR was issued to NYDEC upon completion of the project.

Second Avenue Subway, New York, New York, New York City Transit – Oversight of geotechnical drilling operation for this 8 ½ mile tunnel from the financial district to Harlem. Inspection included soil and rock core logging, packer testing, falling head and rising head testing, and well installation. Performed QA/QC of rock core logs vs. acoustic televiewer data, and structural geologic interpretation of these analyses. Helped to develop the building information Access database. Graphic depiction of the available building information with GIS was utilized to help develop the conceptual design for this $16 billion dollar project.

New Hotel, New York, New York, Alexico Management Group – Petroleum contaminated soil was encountered during foundation construction for a new 32-story hotel in midtown Manhattan. Prepared a health and safety plan for remedial activities and provided air monitoring during removal activities. All work was performed on a fast track basis in order to maintain the project schedule. A remedial action report was prepared for NYDEC approval.

Manufactured Gas Plant Remedial Action, Trenton, New Jersey, PSEG – Field oversight of large-scale remediation project. Remedial measures included source removal, collection and pretreatment of excavation ground water, natural attenuation of remaining dissolved contamination and on-site reuse of thermally treated soils. This project received a distinguished award from the New Jersey Consulting Engineers Council (NJCEC) in 2001.

Waterfront Development, Jersey City, New Jersey, Colgate – Field oversight of a large waterfront redevelopment project at a former manufacturing facility. Provided oversight and management of hazardous and non-hazardous soils excavated during construction. Also provided geotechnical inspection of earthwork, steel pipe pile and sheet pile installation, utility installation and closure, concrete inspection of all structures including slabs, walls, planter boxes, stairs, planter boxes, deadman and the pile cap. This project received an honor award from NJCEC in 2000.

PUBLICATIONS

"Aquifer Characterization Utilizing Geochemical, Isotopic and Geophysical Methods", 1994 National Proceedings of the Eighth Annual Conference of the Academy of Certified Hazardous Materials Managers, October 26, 1994. Lead Author, Presenter.

"Evaluation of an Immunoassay Soil Test Kit for Pentachlorophenol", 1993 National Technology Seminar, sponsored by U.S. EPA Region V. Co-author.

"Assessment of a Well Field Contaminated with Trichloroethylene", 1993 National Technology Seminar, sponsored by U.S. EPA Region V. Co-author, presenter.

AMIT GARG
Staff Engineer

EDUCATION
University of Massachusetts Lowell, MA, M. S. Civil & Environmental Engineering -2004
Indian Institute of Technology, New Delhi (India), B. Tech. Civil Engineering - 2002

TRAINING & CERTIFICATIONS
40-hour HAZWOPER-29 CFR 1910.120(e) trained
Engineer In Training (EIT), Oct 2004

EXPERIENCE SUMMARY
Mr. Garg has two and a half years of experience in research and practical projects involving geotechnical and geoenvironmental engineering, and a co-investigator for various environmental site characterization systems. While at the University of Massachusetts Lowell he has been involved in the development of a real time geo-environmental site characterization system. He has also worked in association with USEPA for the characterization of a gasoline contaminated site, conducting in-situ testing and collecting soil and ground water samples. In practice, he has experience working on various geotechnical site investigation projects which included supervising and inspection of soil borings, analyzing laboratory and field data and preparing site investigation reports.

REPRESENTATIVE PROJECTS

New Jersey Turnpike Authority, Interchange 12 Design of Final Improvements, Carteret, NJ – The NJ Turnpike Authority plans to expand Interchange 12 to upgrade the existing 7 toll lanes to 14 lanes, and construct a new flyover for an existing rail line. The project involved over 200 soil borings and installation of groundwater monitoring wells, at environmentally sensitive locations like on a landfill, in wetlands and inside the premises of major petroleum processing companies. Responsibilities included inspection of soil borings, installation of monitoring wells, and collection of geotechnical and environmental samples. Also responsible for management of boring logs and coordination of log submission to the client.

Brewster Yard Maintenance Facility, Metro North, New York City MTA (on-call Contract) Geo-environmental Engineer responsible for boring observation, well installation and development, groundwater and soil sample collection. Also responsible for preparing a technical memorandum describing the extent of contamination at the site and recommending sampling locations for additional Phase II remedial investigation.

Seaman Avenue School, Perth Amboy, NJ – Field Environmental Engineer for the proposed development of a new School at along Seaman Avenue in Perth Amboy. Several USTs were removed from a portion of the property that was formerly used as trucking and warehouse facility and had a history of environmental conditions. Responsibilities included inspection of environmental borings, collecting soil and ground water samples and doing various field measurements for laying out borings.

Talafous Complex, Jersey City, NJ – Geotechnical Engineer provided oversight during borings and test pit excavations, and performed ground water sampling. Prepared boring logs, test pit logs and reviewed analytical laboratory report and prepared sampling summary. Collected environmental soil and groundwater samples for analytical testing.

Essex Sportsplex Parking Garage, Newark, NJ – Performed Low Flow Groundwater Sampling for the preparation of deed notice for Essex County. Calculated the elevations of different monitoring wells from the contour map, to calculate the elevation of different environmental samples for the design of groundwater flow model.

Hasting-on-Hudson, New York State Department of Environmental Conservation (on-call Contract) Geotechnical engineer responsible for sheetpile stability analysis installed in an offshore environment. The proposed 80-ft long sheetpile is designed to contain and limit any off-site migration of contaminated sediments during remedial dredging operation. Design considerations included ice, wave, current and other impact loadings.

Dr. Charles P. Deffucio School, Jersey City, NJ – Field Engineer for the proposed addition to this existing school in Jersey City. Subsurface investigation included borings drilled to 40 ft deep and test pits excavated to investigate the fill and depth to existing foundations. Also, conducted dye test to identify the flow of waste water from the school building into the sewer.

Mineola Intermodal Center, Mineola, NY – Field Engineer for the geotechnical investigation, for proposed design and construction of a multi-storey parking garage and pedestrian bridge for the Mineola Train Station, that serves Long Island Rail Road. Duties included inspection of soil test borings and conducting field percolation tests, to estimate the permeability characteristics of the natural strata.

Providence, Rhode Island – Worked as a research assistant, in association with USEPA for the characterization of an underground gasoline contaminated site, using the direct push technology and a novel real-time site characterization system. He also worked on developing a new artificial intelligence based model for the evaluation of liquefaction potential of various sites during an earthquake.

COMPUTER SKILLS

MS-Word, MS-Excel, MS-PowerPoint, GEO-SLOPE Office, Grapher, AutoCAD (2004), Data Acquisition – Processing and Analysis using MATLAB.

PUBLICATIONS / PRESENTATIONS

- . Garg, A., and Kurup, P. U., "Evaluation of Liquefaction Potential Using ART Based Neural Networks", Journal of Transportation Research Board, To be Published- Nov, 2005
- Garg, A. (2004). 'Detection of TCE contamination using EN-MIP system.' Annual Student Research Symposium (Poster Presentation), Umass-Lowell.
- Garg, A. (2003). 'Application of Neural Networks in Geotechnical Engineering.' Northeast Graduate Student Research Symposium, Umass-Amherst.
- Garg, A. (2002). 'Design of Hazardous Waste landfills.' Bachelor's Senior Year Project, Indian Institute of Technology, Delhi, India.

Phase II ESA

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an ARCADIS company

Project Status Report
Phase II ESA
1 West Main Street
Beacon, New York

Day Engineering, P. C. (DAY) is in the process of conducting a Phase II Environmental Site Assessment (Phase II ESA) at 1 West Main Street, Beacon, New York (Site). This document presents a summary of findings for the work completed to date.

The Site consists of 3.8-acres and it is improved with an approximate 32,000 square foot building. A grass-covered area surrounds the building and an asphalt-paved parking lot covers the northern half of the Site. A contractor storage area is located in the northwest corner of the Site and a fenced area, located in the east central portion of the Site is used by an adjacent body shop to store vehicles. The southeastern portion of the Site is covered with trees, high brush and other materials. A large stockpile of stone/debris is located immediately south of the Site.

Fieldwork and Analytical Laboratory Testing

To date, thirty-one direct push test borings have been advanced on and to the south of the Site and five of these test borings were subsequently completed as 1-inch diameter groundwater monitoring wells. The location of the test borings/monitoring wells installed to date is shown on Figure 1.

Selected soil samples from the test borings and groundwater samples from the monitoring wells were submitted for analytical laboratory testing. The results of this testing are summarized on the following tables:

Table 1 Volatile Organic Compound (VOC) and Naphthalene Test Results: Soil Samples

Table 2 Semi-Volatile Organic Compound (SVOC) Test Results: Soil Samples

Table 3 Metals Test Results: Soil Samples

Table 4 PCB Test Results: Soil Samples

Table 5 Cyanide, pH, Ignitability and Reactivity Test Results: Soil Samples

Table 6 Volatile Organic Compound (VOC) and Naphthalene, pH and Total Cyanide Test Results: Groundwater Samples

Table 7 Semi-Volatile Organic Compound (SVOC) Test Results: Groundwater Samples

Table 8 Metals Test Results: Groundwater Samples

Findings

Depending upon the location of the test boring, an approximate 0.5-ft. thick asphalt pavement or topsoil layer was encountered at the ground surface and above a fill material. This fill material generally consists of varying amounts of gravel, coal, sand, coal slag and brick fragments and it extended to the bottom of the hole in test borings TB-101, TB-105, TB-108, TB-110, TB-113, TB-118, TB-119, TB-127, TB-128, TB-129, TB-130 and TB-131. However, indigenous soil consisting of mixtures of clay, silt and/or sand was encountered below the fill in the other test borings advanced. Coal tar was observed to be intermixed within the soil/fill in some of the samples collected from test borings TB-MW-103, TB-105, TB-106, TB-107, TB-117, TB-121, TB-122 and TB-123. In addition a petroleum-type sheen was observed on selected samples collected from test borings TB-MW-103, TB-105, TB-106, TB-107, TB-117, TB-119, TB-120, TB-121, TB-122, TB-123, TB-124 and TB-129.

Equipment refusal (i.e., potentially indicative of top of rock) was encountered at depths ranging between about 8.0 feet (ft.) below ground surface (bgs) (TB-110) and about 15.0 ft. bgs (TB-121).

Groundwater was measured at depths ranging between 1.4 ft. bgs (MW-102) and 4.03 ft. bgs (MW-101) in the monitoring wells installed.

As shown on Table 1, VOCs were detected in 10 of the 12 soil samples that were tested. In 6 of these samples, one or more specific VOCs were measured at concentrations that exceeded Recommended Soil Cleanup Objectives (RSCOs) referenced in the NYSDEC Technical and Administrative Guidance Memorandum: *Determination of Soil Cleanup Objectives and Cleanup Levels* dated January 24, 1999 (TAGM 4046) as amended by the NYSDEC's Supplemental Tables dated August 22, 2001. [Note: In two of the samples, the concentration of 2-butanone exceeded RSCOs. In the remaining samples, apparent coal tar-related constituent (i.e., benzene, toluene and xylene) concentrations exceeded RSCOs.]

As shown on Table 2, SVOCs were detected in 14 of the 15 soil samples that were tested. In 11 of these samples, one or more specific SVOCs were measured at concentrations that exceeded RSCOs.

Although metals were detected in each of the four soil samples tested, the concentrations are generally low and/or comparable to published background values. As such, metals were not identified as constituents of concern.

PCBs were not detected above the laboratory detection limit in any of the 4 soil samples tested. The waste characterization testing done on samples from the Site (refer to Table 5) did not identify constituents at concentrations that would classify this material as a characteristic hazardous waste.

With the exception of the groundwater samples collected from monitoring well MW-103 and a toluene concentration of 1 ppb in a sample from MW-101, VOC and SVOC concentrations were reported as "not detected". Various VOCs (notably benzene) and SVOCs (e.g., naphthalene) were measured in samples from MW-103 at concentrations exceeding groundwater standards and guidance values as identified in NYSDEC TOGS 1.1.1.

The areal extent of VOC and SVOC impact measured in soil samples is graphically depicted on Figure 2 and Figure 3, respectively. The test borings that contained apparent coal tar and evidence of petroleum-type sheen on soil samples are also identified on these figures. The estimated areal extent of soil/fill impacted with coal tar is depicted on Figure 4. Due to the presence of trees and thick brush to the east and a large stockpile of stone/debris, the extent of coal tar impact to the east and south is uncertain.

Conclusions

The following is a summary of observations regarding the Site:

- Groundwater was observed at depths ranging from about 1.4 to 4.03 ft bgs.

- Suspected bedrock (i.e., equipment refusal) was encountered at depths ranging from about 8 to about 15 ft bgs.

- Coal tar and petroleum sheen was observed in eight of the test borings advanced on and in proximity of the Site (i.e., test borings advanced in the southeastern portion of the Site and to the south of the Site). In four additional test borings, petroleum sheen (probably related to the coal tar) was observed.

- VOCs that are probably related to the presence of coal tar (i.e., benzene, toluene, and xylene) were identified in 4 of the 12 soil samples collected at concentrations exceeding NYSDEC TAGM 4046 RSCOs.

- SVOCs (naphthalene and various polycyclic aromatic hydrocarbons) that are probably related to the presence of coal tar were identified in 11 of 15 soil samples at concentrations exceeding NYSDEC TAGM 4046 RSCOs.

- VOCs that are probably related to the presence of coal tar (i.e., benzene, toluene, xylene, 1,2,4-trimethylbenze and naphthalene) were identified in groundwater samples from MW-103 at concentrations above their respective NYSDEC TOGS 1.1.1.

- SVOCs (i.e., PAHs) that are probably related to the presence of coal tar were identified in groundwater samples from MW-103 at concentrations above their respective NYSDEC TOGS 1.1.1.

Based upon the work completed to date, the soil and groundwater in the southeastern portion of the Site and to the south of the Site is impacted with coal tar. The extent of the coal tar impact to the south and east could not be evaluated due to obstructions that prevented the advancement of test borings in these areas.

The available documentation indicates a Central Hudson Gas and Electric Manufactured Gas Plant (MGP) was located on River Street (i.e., east of the Site). The documentation also indicates that coal tar was removed from this MGP site prior to construction of residences on River Street. The coal tar found on the Site and to the south of the Site appears to be related to the MGP site.

TABLE 1
PAGE 1 of 2

1 WEST MAIN STREET
BEACON, NEW YORK

VOLATILE ORGANIC COMPOUND (VOC) AND NAPHTHALENE TEST RESULTS: SOIL SAMPLES

DETECTED VOCS AND NAPHTHALENE	SAMPLE AND LOCATION						NYSDEC TAGM 4046 RSCO[(1)] (PPB)
	TB-105 (8.0')	TB-106 (8.0')	TB-107 (8.0')	TB-111 (12.0')	TB-115A (4.0')	TB-117 (8.0')	
1,2,4-Trimethylbenzene	ND	500	3,300	ND	ND	6,900	10,000
1,3,5-Trimethylbenzene	ND	170	1,300	ND	ND	2,800	3,300
Benzene	ND	**160**	**1,200**	ND	ND	**300**	60
Ethylbenzene	ND	110	440	ND	ND	1,200	5,500
Total Xylenes	ND	740	**7,000**	ND	ND	**8,300**	1,200
Toluene	ND	240	**3,100**	ND	ND	1,400	1,500
Styrene	ND	ND	1,000	ND	ND	ND	NL
Vinyl Chloride	ND	ND	ND	ND	ND	ND	200
n-Butylbenzene	ND	ND	ND	ND	ND	ND	10,000
sec-Butylbenzne	ND	ND	ND	ND	ND	ND	10,000
Chloroform	ND	ND	ND	ND	ND	ND	300
Isopropylbenzene	ND	ND	ND	ND	ND	ND	2,300
p-Isoprppyltoluene	ND	ND	ND	ND	ND	ND	10,000
2-Butanone	**410**	280	ND	15	ND	ND	300
Total VOCs	410	2,200	**17,340**	15	ND	**20,900**	10,000
Naphthalene	5,600	**130,000**	**1,100,000**	ND	ND	**1,500,000**	13,000

Concentrations shown in ug/kg or parts per billion (ppb).

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

ND = Not Detected at concentration above reported analytical laboratory detection limit.

410 = Exceeds RSCO.

NL = Not Listed in TAGM 4046.

TABLE 1
PAGE 2 of 2

1 WEST MAIN STREET
BEACON, NEW YORK

VOLATILE ORGANIC COMPOUND (VOC) AND NAPHTHALENE TEST RESULTS: SOIL SAMPLES

DETECTED VOCS AND NAPHTHALENE	SAMPLE AND LOCATION						NYSDEC TAGM 4046 RSCO[(1)] (PPB)
	TB-118 (4.0')	TB-120 (8.0')	TB-124 (10.0')	TB-126 (4.0')	TB-127 (8.0')	TB-129 (8.0')	
1,2,4-Trimethylbenzene	ND	130	3,600	ND	ND	ND	10,000
1,3,5-Trimethylbenzene	ND	ND	1,400	ND	ND	ND	3,300
Benzene	ND	ND	**340**	3	ND	ND	60
Ethylbenzene	ND	ND	740	ND	ND	ND	5,500
Total Xylenes	ND	ND	**10,500**	2	ND	ND	1,200
Toluene	ND	ND	**3,200**	3	ND	ND	1,500
Styrene	ND	ND	ND	ND	ND	ND	NL
Vinyl Chloride	ND	ND	ND	ND	ND	ND	200
n-Butylbenzene	ND	ND	110	ND	ND	12	10,000
sec-Butylbenzne	ND	ND	ND	ND	ND	21	10,000
Chloroform	ND	ND	ND	ND	ND	ND	300
Isopropylbenzene	ND	ND	130	ND	ND	ND	2,300
p-Isoprppyltoluene	ND	ND	110	ND	ND	ND	10,000
2-Butanone	18	**4,501**	ND	ND	ND	ND	300
Total VOCs	18	4,631	**20,130**	8	ND	33	10,000
Naphthalene	ND	9,000	**43,000**	ND	ND	390	13,000

Concentrations shown in ug/kg or parts per billion (ppb)

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

ND = Not Detected at concentration above reported analytical laboratory detection limit

4,501 = Exceeds RSCO

NL = Not Listed in TAGM 4046

TABLE 2
PAGE 1 of 2

1 WEST MAIN STREET
BEACON, NEW YORK

SEMI-VOLATILE ORGANIC COMPOUND (SVOC) TEST RESULTS: SOIL SAMPLES

DETECTED SVOCS	SAMPLE AND LOCATION								NYSDEC TAGM 4046 RSCO[(1)] (PPB)
	TB-101 (4.0')	TB-105 (8.0')	TB-106 (8.0')	TB-107 (8.0')	TB-110 (8.0')	TB-111 (12.0')	TB-112 (4.0')	TB-115A (4.0')	
2-Methylnaphthalene	ND	1,500	1,900	2,500	130	ND	ND	1,500	36,400
Acenaphthene	ND	2,700	2,900	1,400	1,600	ND	ND	ND	50,000
Acenaphthylene	ND	2,200	1,500	3,600	220	ND	ND	1,600	50,000
Anthracene	300	5,600	4,300	7,800	230	ND	56	1,700	50,000
Benzo(a)anthracene	**880**	**5,300**	**2,900**	**5,500**	**320**	ND	**270**	**2,600**	224
Benzo(a)pyrene	**1,100**	**4,800**	**2,700**	**4,300**	**280**	ND	**270**	**3,600**	61
Benzo(b)fluoranthene	**1,200**	**4,600**	**2,400**	**3,500**	**380**	ND	**390**	**2,700**	220
Benzo(g,h,I)perylene	260	500	490	760	ND	ND	ND	ND	50,000
Benzo(k)fluoranthene	**1,500**	**4,600**	**2,400**	**4,100**	**420**	ND	**500**	**3,400**	220
Chrysene	**980**	**4,100**	**2,500**	**4,500**	340	ND	290	**2,400**	400
Dibenz(a,h)anthracene	ND	**420**	**340**	**660**	ND	ND	ND	ND	14.3
Dibenzofuran	ND	3,600	2,700	3,100	ND	ND	ND	980	6,200
Fluoranthene	2,000	11,000	7,700	12,000	690	ND	480	4,700	50,000
Fluorene	ND	5,600	4,800	4,900	210	ND	ND	1,700	50,000
Indeno(1,2,3-cd)pyrene	280	700	530	1,200	ND	ND	ND	570	3,200
Naphthalene	ND	1,100	1,700	7,600	2,100	ND	ND	2,000	13,000
Phenanthrene	1,200	13,000	11,000	13,000	850	ND	240	5,800	50,000
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	8,100
bis-(2-Ethylhexyl)phthalate	ND	ND	ND	ND	67	ND	ND		50,000
Pyrene	1,800	8,800	6,500	9,200	570	ND	360	4,400	50,000
Total SVOCs	11,500	80,120	59,260	89,620	8,407	0	2,856	39,650	500,000
Total cPAHs	5,940	24,520	13,770	23,760	1,740	ND	1,720	15,270	NL
Total cPAH SVOCs as BAP Toxicity Equivalent	1,361	6,367	3,672	6,066	358	ND	344	4,245	NL

Concentrations shown in ug/kg or parts per billion (ppb).

cPAH = carcinogenic polyaromatic hydrocarbons (Benzo(a)pyrene, Dibenzo(a,h)anthracene, Benzo(a)anthracene, Benzo(b)fluoranthene, Ideno(1,2,3-cd)pyrene, Benzo(k)fluoranthene, chrysene).

BAP = Benzo(a)pyrene.

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

1,500 = Exceeds RSCO.

ND = Not Detected at concentration above reported analytical laboratory detection limit.

NL = Not Listed in TAGM 4046.

1 WEST MAIN STREET
BEACON, NEW YORK

SEMI-VOLATILE ORGANIC COMPOUND (SVOC) TEST RESULTS: SOIL SAMPLES

DETECTED SVOCS	SAMPLE AND LOCATION							NYSDEC TAGM 4046 RSCO[(1)] (PPB)
	TB-117 (8.0')	TB-118 (4.0')	TB-120 (8.0')	TB-124 (4.0')	TB-126 (10.0')	TB-127 (8.0')	TB-129 (8.0')	
2-Methylnaphthalene	**210,000**	ND	ND	**350,000**	340	390	540	36,400
Acenaphthene	ND	ND	370	41,000	ND	180	320	50,000
Acenaphthylene	**190,000**	ND	ND	**83,000**	ND	ND	ND	50,000
Anthracene	**200,000**	ND	550	**160,000**	ND	260	ND	50,000
Benzo(a)anthracene	**140,000**	100	**1,500**	**110,000**	ND	190	ND	224
Benzo(a)pyrene	**86,000**	**72**	**1,100**	**7,800**	ND	ND	ND	61
Benzo(b)fluoranthene	**59,000**	63	**750**	**62,000**	ND	ND	ND	220
Benzo(g,h,I)perylene	ND	ND	690	ND	ND	ND	ND	50,000
Benzo(k)fluoranthene	**88,000**	91	**1,200**	**90,000**	ND	ND	ND	220
Chrysene	**110,000**	100	**1,800**	**89,000**	ND	180	ND	400
Dibenz(a,h)anthracene	ND	ND	**380**	ND	ND	ND	ND	14.3
Dibenzofuran	**130,000**	ND	4,500	**130,000**	ND	ND	ND	6,200
Fluoranthene	**370,000**	170	ND	**220,000**	340	410	430	50,000
Fluorene	**190,000**	ND	ND	**180,000**	ND	250	290	50,000
Indeno(1,2,3-cd)pyrene	ND	ND	560	**17,000**	ND	ND	ND	3,200
Naphthalene	**780,000**	ND	440	**690,000**	260	910	400	13,000
Phenanthrene	**530,000**	110	5,100	**400,000**	340	740	630	50,000
Di-n-butylphthalate	ND	ND	ND	ND	260	180	ND	8,100
bis-(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	50,000
Pyrene	**280,000**	160	4,100	**170,000**	330	330	390	50,000
Total SVOCs	**3,363,000**	866	23,040	**2,799,800**	1,870	4,020	3,000	500,000
Total cPAHs	483,000	335	7,290	375,800	ND	370	ND	NL
Total cPAH SVOCs as BAP Toxicity Equivalent	107,880	90	1,791	28,490	ND	21	ND	NL

Concentrations shown in ug/kg or parts per billion (ppb)

cPAH = carcinogenic polyaromatic hydrocarbons (Benzo(a)pyrene, Dibenzo(a,h)anthracene, Benzo(a)anthracene, Benzo(b)fluoranthene, Ideno(1,2,3-cd)pyrene, Benzo(k)fluoranthene, chrysene)

BAP = Benzo(a)pyrene

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

210,000 = Exceeds RSCO

ND = Not Detected at concentration above reported analytical laboratory detection limit

NL = Not Listed in TAGM 4046

TABLE 3

1 WEST MAIN STREET
BEACON, NEW YORK

METALS TEST RESULTS: SOIL SAMPLES

DETECTED ANALYTE	SAMPLE AND LOCATION				Recommended Soil Cleanup Objective (1)	Typical Background Range (2)
	TB-107 (8.0')	TB-111 (12.0')	TB-115A (4.0')	TB-118 (4.0')		
Antimony	ND	ND	ND	ND	SB	NL
Arsenic	**7.53**	1.14	4.68	3.92	7.5 or SB	3-12
Beryllium	**0.76**	ND	**0.23**	**0.31**	0.16 or SB	0-1.75
Cadmium	ND	ND	ND	ND	1 or SB (10)	0.1-1
Chromium	7.53	8.1	**13.8**	**13.4**	10 or SB (50)	1.5-40
Copper	21.6	13.8	**75.2**	**55.4**	25 or SB	1-50
Lead	15.4	11.4	47.5	99.7	SB	200-500**
Mercury	ND	ND	ND	ND	0.1	0.001-0.2
Nickel	1.81	11.9	**20**	12.8	13 or SB	0.5-25
Selenium	ND	ND	ND	1.02	2 or SB	0.1-3.9
Silver	ND	ND	ND	ND	SB	NL
Thallium	ND	ND	ND	ND	SB	NL
Zinc	**30.3**	**37.3**	**97.3**	**49.5**	20 or SB	9-50

Concentrations shown in mg/kg or parts per million (ppm).

SB = Site background.

1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994.
- Cadmium results also compared to RSCO of 10 ppm listed in the 1995 “proposed” TAGM 4046.
- Chromium results also compared to RSCO of 50 ppm listed in the 1995 “proposed” TAGM 4046.

2) = Typical background range as referenced in NYSDEC TAGM 4046 dated January 24, 1994.

97.3 Exceeds typical background range referenced in TAGM 4046.

49.5 = Exceeds RSCO referenced in TAGM 4046.

ND = Not Detected at concentration above reported analytical laboratory detection limit.

NL = Not Listed in TAGM 4046.

TABLE 4

1 WEST MAIN STREET
BEACON, NEW YORK

PCBS TEST RESULTS: SOIL SAMPLES

Detected Compound	SAMPLE AND LOCATION				Recommended Soil Cleanup Objective [(1)] (PPM)
	TB-107 (8.0')	TB-111 (12.0')	TB-115A (4.0')	TB-118 (4.0')	
PCB 1260	ND	ND	ND	ND	10

Concentrations shown in mg/kg or parts per million (ppm).

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

TABLE 5

1 WEST MAIN STREET
BEACON, NEW YORK

CYANIDE, pH, IGNITABILITY AND REACTIVITY TEST RESULTS: SOIL SAMPLES

Parameter	SAMPLE AND LOCATION							NYSDEC TAGM 4046 RSCO[(1)] (PPM)
	TB-101 (4.0')	TB-110 (8.0')	TB-121 (8.0')	TB-124 (4.0')	TB-127 (8.0')	TB-126 (10.0')	TB-129 (8.0')	
Total Cyanide	ND	ND	ND	ND	ND	ND	1.24	NL
pH	-	-	9.86	-	-	-	9.89	NL
Ignitability	-	-	ND	-	-	-	-	NL
Reactivity	-	-	29	-	-	-	-	NL

Cyanide concentrations shown in mg/kg or parts per million (ppm).

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

ND = Cyanide not detected at concentration above reported analytical laboratory detection limit / Sample did not ignite.

NL = Not Listed in TAGM 4046.

- = Not Tested as part of Laboratory Program.

TABLE 6

1 WEST MAIN STREET
BEACON, NEW YORK

VOLATILE ORGANIC COMPOUND (VOC), NAPHTHALENE, pH, AND TOTAL CYANIDE TEST RESULTS: GROUNDWATER SAMPLES

DETECTED VOCS	SAMPLE AND LOCATION						NYSDEC TOGS 1.1.1 Groundwater Standard or Guidance Value [(1)] (PPB)
	MW-101*	MW-102*	MW-103*	MW-103**	MW-104**	MW-105**	
Total Xylene	ND	ND	**290**	**59**	ND	ND	5
1,2,4-Trimethylbenzene	ND	ND	**58**	**12**	ND	ND	5
Benzene	ND	ND	**650**	**99**	ND	ND	1
Ethylbenzene	ND	ND	ND	3	ND	ND	5
Toluene	1	ND	**350**	**71**	ND	ND	5
n-Butylbenzene	ND	ND	ND	ND	ND	ND	5
n-Propylbenzene	ND	ND	ND	ND	ND	ND	5
Isopropylbenzene	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	**2900**	**390**	ND	ND	10
1,3,5-Trimethylbenzene	ND	ND	ND	5	ND	ND	5
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	5
1,2-Dichlorothane	ND	ND	ND	**3**	ND	ND	0.6
Tetrachloroethene	ND	ND	ND	ND	ND	ND	5
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	5
pH	-	-	-	6.86	7.92	7.48	NL
Total Cyanide	-	-	-	0.02	ND	ND	400

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

Concentrations shown in ug/L or parts per billion (ppb).

290 = Exceeds groundwater standard or guidance value.

ND = Not detected at concentrations above reported analytical laboratory detection limits.

- = Not Tested as part of Laboratory Program.

NL = Not listed in TOGS 1.1.1.

* = Sample collected on November 17, 2005.

** = Sample collected on December 1, 2005.

TABLE 7

1 WEST MAIN STREET
BEACON, NEW YORK

SEMI-VOLATILE ORGANIC COMPOUND (SVOC) TEST RESULTS: GROUNDWATER SAMPLES

DETECTED SVOCS	SAMPLE AND LOCATION						NYSDEC TOGS 1.1.1 Groundwater Standard or Guidance Value [(1)] (PPB)
	MW-101*	MW-102*	MW-103*	MW-103**	MW-104**	MW-105**	
2-Methylnaphthalene	ND	ND	140	ND	ND	ND	NL
Acenaphthene	ND	ND	**83**	ND	ND	ND	20
Acenaphthylene	ND	ND	92	ND	ND	ND	NL
Dibenzofuran	ND	ND	58	ND	ND	ND	NL
Fluoranthene	ND	ND	**58**	ND	ND	ND	50
Fluorene	ND	ND	**87**	ND	ND	ND	50
Naphthalene	ND	ND	**1,300**	84	ND	ND	10
Phenanthrene	ND	ND	**130**	ND	ND	ND	50
Pyrene	ND	ND	**51**	ND	ND	ND	50

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

Concentrations shown in ug/L or parts per billion (ppb).

83 = Exceeds groundwater standard or guidance value.

ND = Not detected at concentrations above reported analytical laboratory detection limits.

NA = Not Listed in TOGS 1.1.1.

* = Sample collected on November 17, 2005.

** = Sample collected on December 1, 2005.

TABLE 8

1 WEST MAIN STREET
BEACON, NEW YORK

METALS TEST RESULTS: GROUNDWATER SAMPLES

Detected Analyte	SAMPLE AND LOCATION			NYSDEC TOGS 1.1.1 Groundwater Standard or Guidance Value (1) (PPB)
	MW-101*	MW-102*	MW-103*	
Antimony	ND	ND	ND	6
Arsenic	ND	ND	14	50
Beryllium	0.30	0.10	ND	3
Cadmium	ND	ND	ND	10
Chromium	16	8	8	100
Copper	117	94	11	1,000
Lead	**390**	**90**	35	50
Mercury	**5.5**	0.30	ND	1.4
Nickel	9	ND	ND	200
Selenium	11	ND	16	20
Silver	ND	ND	46	100
Thallium	ND	ND	ND	0.5
Zinc	187	95	ND	5,000

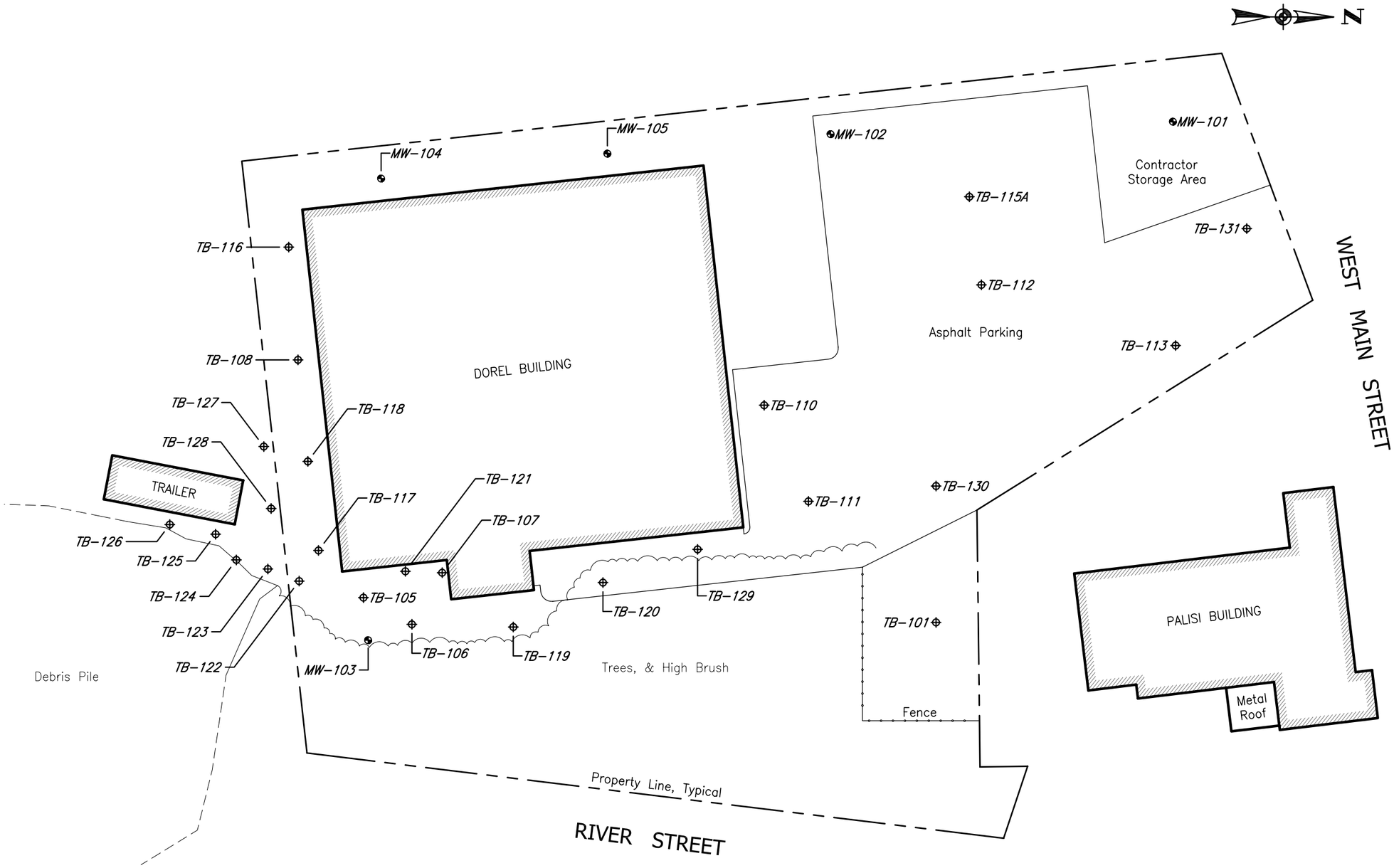
(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

Concentrations shown in mg/kg or parts per million (ppm).

390 = Exceeds groundwater standard or guidance value.

ND = Not detected at concentrations above reported analytical laboratory detection limits.

* = Sample collected on November 17, 2005.



SITE PLAN
1" = 50'

0' 50' 100' 150'

NOTES:

1. Site plan produced from drawing by Yu & Associates, Inc. entitled "Tax Map Dorel Hat (Vicinity of Beacon Station), dated 09/29/05, and a drawing entitled "Recognized Environmental Conditions Plan, 7 West Main Street", dated 09/06/05.

2. Test boring and monitoring well locations were obtained in the field by a Trimble GeoXT GPS. Locations should be considered accurate to the degree implied by the method used.

LEGEND

TB-110 Test Boring location and designation

MW-102 Groundwater Monitoring Well location and designation

FIELD VERIFIED BY	DATE
NS	11-2005
DRAWN BY	DATE DRAWN
RJM	11-23-2005
SCALE	DATE ISSUED
1" = 50'	12-30-2005

day
DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10165-1617

PROJECT TITLE
METRO-NORTH RAILROAD
1 & 7 WEST MAIN STREET
BEACON, NEW YORK
PHASE II ENVIRONMENTAL STUDY

DRAWING TITLE
Site Plan

PROJECT NO.
01-3023I

FIGURE 1

Ref4:
Ref5:
Ref6:

Ref1:
Ref2:
Ref3:

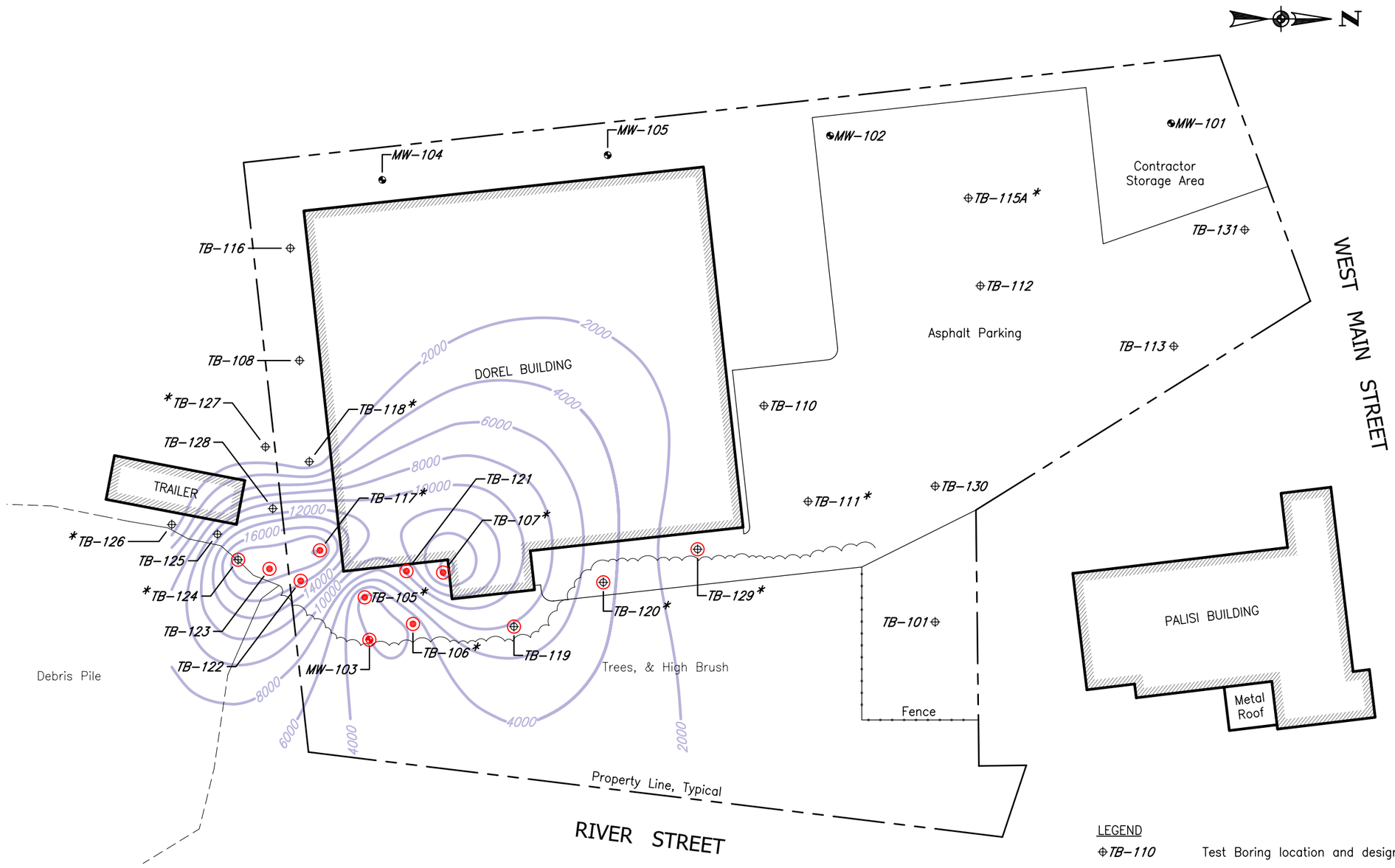
Xerox432AnsiB-2; 11 x 17
Layout Name: Site Plan

Time Plotted: Fri Dec 30 11:55 2005
File Name: Metro\Beacon Bridge\SiteBase.dwg

Ref1: VOC-Contour.dwg
Ref2:
Ref3:
Ref4:
Ref5:
Ref6:

Xerox432AnsiB-2; 11 x 17
Layout Name: VOC

Time Plotted: Fri Dec 30 12:30 2005
File Name: Metro\Beacon Bridge\VOCBase.dwg



SITE PLAN
1" = 50'

0' 50' 100' 150'

LEGEND

TB-110	Test Boring location and designation
TB-105	Test Boring with coal tar observed
TB-129	Test Boring with sheen on water observed
*	Test Boring sampled for VOC's
MW-102	Groundwater Monitoring Well location and designation
MW-103	Groundwater Monitoring Well with coal tar and sheen on water observed
2000	Total VOC contour line (ppb) created by Golden Software, Inc. Surfer8 program

NOTES:

1. Site plan produced from drawing by Yu & Associates, Inc. entitled "Tax Map Dorel Hat (Vicinity of Beacon Station), dated 09/29/05, and a drawing entitled "Recognized Environmental Conditions Plan, 7 West Main Street", dated 09/06/05.

2. Test boring and monitoring well locations were obtained in the field by a Trimble GeoXT GPS. Locations should be considered accurate to the degree implied by the method used.

FIELD VERIFIED BY	DATE
NS	11-2005
DRAWN BY	DATE DRAWN
RJM	12-16-2005
SCALE	DATE ISSUED
1" = 50'	12-30-2005

day
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NEW YORK, NEW YORK 10165-1617

PROJECT TITLE
METRO-NORTH RAILROAD
1 & 7 WEST MAIN STREET
BEACON, NEW YORK
PHASE II ENVIRONMENTAL STUDY

DRAWING TITLE
Site Plan With Total VOC's Contours

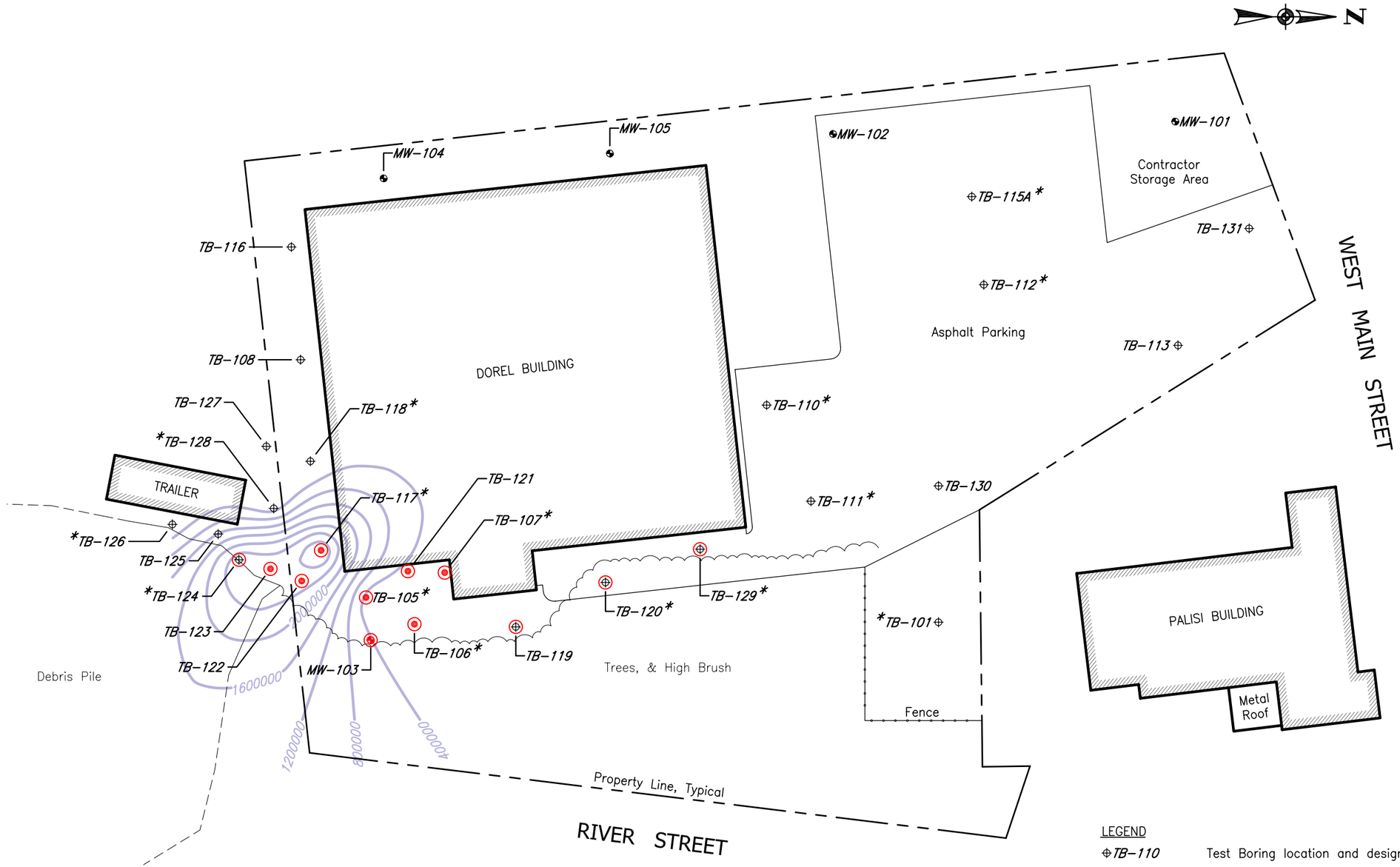
PROJECT NO.
01-3023I

FIGURE 2

Ref1: SVOC-Contour.dwg
Ref2:
Ref3:
Ref4:
Ref5:
Ref6:

Xerox432AnsiB-2; 11 x 17
Layout Name: SVOC

Time Plotted: Fri Dec 30 12:25 2005
File Name: Metro\Beacon Bridge\SVOCBase.dwg



SITE PLAN
1" = 50'

0' 50' 100' 150'

NOTES:

1. Site plan produced from drawing by Yu & Associates, Inc. entitled "Tax Map Dorel Hat (Vicinity of Beacon Station), dated 09/29/05, and a drawing entitled "Recognized Environmental Conditions Plan, 7 West Main Street", dated 09/06/05.

2. Test boring and monitoring well locations were obtained in the field by a Trimble GeoXT GPS. Locations should be considered accurate to the degree implied by the method used.

LEGEND

TB-110	Test Boring location and designation
TB-105	Test Boring with coal tar observed
TB-129	Test Boring with sheen on water observed
*	Test Boring sampled for SVOC's
MW-102	Groundwater Monitoring Well location and designation
MW-103	Groundwater Monitoring Well with coal tar and sheen on water observed
400000	Total SVOC contour line (ppb) created by Golden Software, Inc. Surfer8 program

FIELD VERIFIED BY	NS
DATE	11-2005
DRAWN BY	RJM
DATE DRAWN	12-16-2005
SCALE	1" = 50'
DATE ISSUED	12-30-2005

day
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NEW YORK, NEW YORK 10165-1617

PROJECT TITLE
METRO-NORTH RAILROAD
1 & 7 WEST MAIN STREET
BEACON, NEW YORK
PHASE II ENVIRONMENTAL STUDY

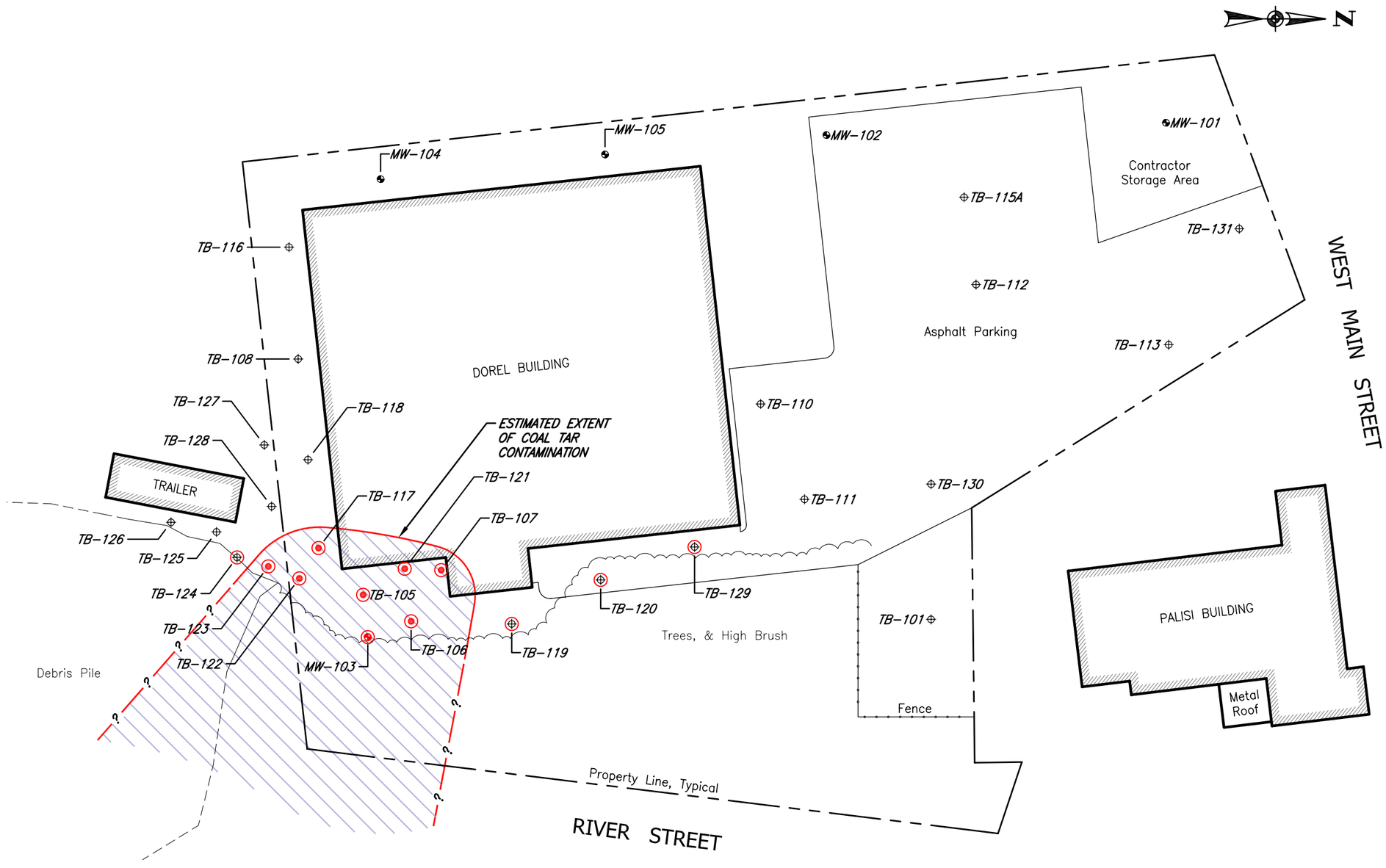
DRAWING TITLE
Site Plan With Total SVOC's Contours

PROJECT NO.
01-3023I

FIGURE 3

Ref4:
Ref5:
Ref6:

Ref1:
Ref2:
Ref3:



SITE PLAN
1" = 50'

0' 50' 100' 150'

NOTES:

1. Site plan produced from drawing by Yu & Associates, Inc. entitled "Tax Map Dorel Hat (Vicinity of Beacon Station), dated 09/29/05, and a drawing entitled "Recognized Environmental Conditions Plan, 7 West Main Street", dated 09/06/05.

2. Test boring and monitoring well locations were obtained in the field by a Trimble GeoXT GPS. Locations should be considered accurate to the degree implied by the method used.

LEGEND

TB-110	Test Boring location and designation
MW-102	Groundwater Monitoring Well location and designation
TB-105	Test Boring with coal tar observed
TB-129	Test Boring with sheen on water observed
MW-103	Groundwater Monitoring Well with coal tar and sheen on water observed

FIELD VERIFIED BY: NS	DATE: 11-2005	
DRAWN BY: RJM	DATE DRAWN: 12-22-2005	
SCALE: 1" = 50'	DATE ISSUED: 12-30-2005	

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PROJECT TITLE
METRO-NORTH RAILROAD
1 & 7 WEST MAIN STREET
BEACON, NEW YORK
PHASE II ENVIRONMENTAL STUDY

DRAWING TITLE
Site Plan With Areas Of Contamination

PROJECT NO.
01-3023I

FIGURE 4

Time Plotted: Fri Dec 30 12:05 2005
File Name: Metro\Beacon Bridge\CoalTarBase.dwg

Xerox432AnsiB-2; 11 x 17
Layout Name: Layout1

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AN AFFILIATE OF DAY ENGINEERING, P.C

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-101

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark brown Sandy Silt, some Gravel, intermixed with Brick and Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	100	NA	0.0	0.0		
3									
4							0.0	Black Sandy Gravel, trace Silt, intermixed with Brick and Coal Fragments,	
5							0.0	moist (FILL) …wet	
6	NA	S-2	4-8	60	NA	0.0	0.0		
7								Green/Gray Sandy SILT, some Gravel, wet	
8							0.0		
9							0.0		
10	NA	S-3	8-12	40	NA	0.0	0.0		
11								Gray Sandy GRAVEL, little Rock Fragments, trace Silt, wet	
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO.MW-101

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MONITORING WELL INSTALLATION LOG

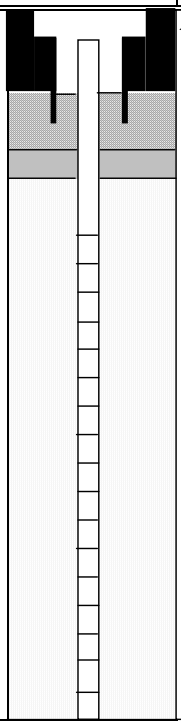
Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

MONITORING WELL MW-101

Ground Elevation: _____ Datum: _____
Date Started: 11/15/2005 Date Ended: 11/15/2005

Water Level (Date/Time): 4.23' 12/01/2005

Refer to Test Boring Log TB- MW-101 for Soil Description



Flush Mounted Roadbox
0.20 Depth to Top of Riser Pipe (ft)
0.33 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.53 Depth to Top of Bentonite Seal (ft)
0.70 Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.5 Diameter of Borehole (in)

Backfill Type Sand

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-101

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-102

Page of 1 of 1

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Black, Sandy Gravel, trace Silt, intermixed with Brick and Coal Fragments, moist (FILL)	-
2	NA	S-1	0-4	50	NA	0.0	0.0		-
3									-
4							0.0	…wet	-
5							0.0		-
6	NA	S-2	4-8	40	NA	0.0	0.0		-
7								Gray Silty CLAY, some Sand, trace Gravel, wet	-
8							0.0		-
9							0.0	Green/Gray Silty SAND, trace Clay, trace Gravel, wet	-
10	NA	S-3	8-12	100	NA	0.0	0.0		-
11								…some Gravel	-
12							0.0		-
								BOH @ 12.0'	-
									-
									-
									-

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO.MW-102

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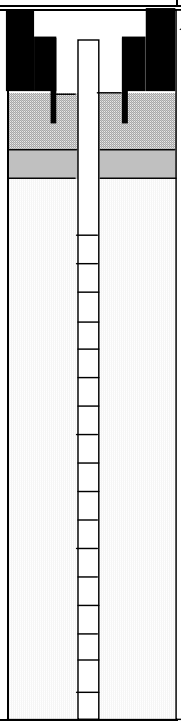
MONITORING WELL INSTALLATION LOG

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

MONITORING WELL MW-102

Ground Elevation: _____ Datum: _____
Date Started: 11/15/2005 Date Ended: 11/15/2005
Water Level (Date/Time): 1.55' 12/01/2005

Refer to Test Boring Log TB- MW-102 for Soil Description



Flush Mounted Roadbox
0.15 Depth to Top of Riser Pipe (ft)
0.33 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.48 Depth to Top of Bentonite Seal (ft)
0.7 Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.5 Diameter of Borehole (in)

Backfill Type Sand

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-102

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-103

Ground Elevation: Datum:
Date Started: 11/16/2006 Date Ended: 11/16/2005
Borehole Depth: 9.0' Borehole Diameter: 2.0"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Black Sandy Gravel, trace Silt, intermixed with Coal Tar, Coal, Coal Slag and Brick Fragments, moist (FILL)	
2	NA	S-1	0-4	50	NA	2.1	0.5	…Coal Tar Type Odor	
3									
4							2.4	…wet (water has a sheen)	
5							10.8		
6	NA	S-2	4-8	60	NA	155	58.6	Black Silty CLAY, some Sandy Gravel, wet	
7									
8							24.2		
	NA	S-3	8-9	0	NA	-	-		
9								Refusal @ 9.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. MW-103

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MONITORING WELL INSTALLATION LOG

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

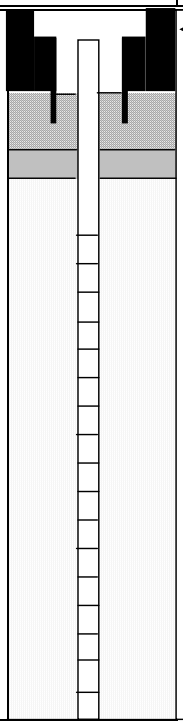
MONITORING WELL MW-103

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 11/15/2005 Date Ended: 11/15/2005

Water Level (Date/Time): 2.00' 12/01/2005

Refer to Test Boring Log TB- MW-103 for Soil Description



←Flush Mounted Roadbox
0.15 Depth to Top of Riser Pipe (ft)
0.33 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.48 Depth to Top of Bentonite Seal (ft)
0.7 Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

1.5 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

9.0 Depth to Bottom of Well Screen (ft)

9.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-103

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-104

Page of 1 of 1

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL AND ROOTS	
								Black Sandy Gravel, some Brick Fragments, moist (FILL)	
2	NA	S-1	0-4	20	NA	0.4	0.0		
3									
4							0.7	…wet	
5							0.0		
6	NA	S-2	4-8	40	NA	1.1	0.0		
7								Tan Silty CLAY, trace Gravel, wet	
8							0.0		
9									
10	NA	S-3	8-12	0	NA	-	-		
11									
12								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. MW-104

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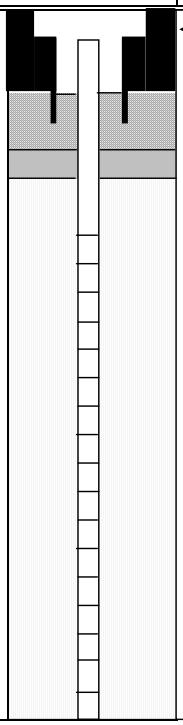
Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

MONITORING WELL MW-104

Ground Elevation: _____ Datum: _____
Date Started: 11/29/2005 Date Ended: 11/29/2005

Water Level (Date/Time): 5.40' 12/01/2005

Refer to Test Boring Log TB- MW-104 for Soil Description



←Flush Mounted Roadbox
3.0 AGS Depth to Top of Riser Pipe (ft)
N/A Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.0 Depth to Top of Bentonite Seal (ft)
2.0" Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.0 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-104

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. MW-105

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: Borehole Diameter:
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL	
								Black Sandy Gravel, some Silt, intermixed with Coal, Coal Slag and Brick Fragments, moist (FILL)	
2	NA	S-1	0-4	30	NA	0.3	0.0		
3									
4							0.0		
5							0.0	…wet	
6	NA	S-2	4-8	20	NA	0.2	0.0	Brown Silty Sand, some Gravel intermixed with Brick Fragments, wet (FILL)	
7									
8							0.0		
9							0.0		
10	NA	S-3	8-12	60	NA	0.4	1.1	Green/Gray Silty CLAY, trace Gravel, trace Sand, wet	
11									
12							1.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. MW-105

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MONITORING WELL INSTALLATION LOG

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environment

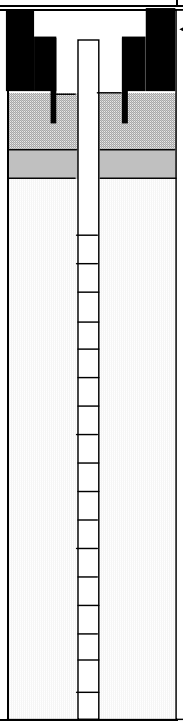
MONITORING WELL MW-105

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 11/30/2005 Date Ended: 11/30/2005

Water Level (Date/Time): 4.35' 12/01/2005

Refer to Test Boring Log TB- MW-105 for Soil Description



←Flush Mounted Roadbox
1.75 AGS Depth to Top of Riser Pipe (ft)
N/A Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.0 Depth to Top of Bentonite Seal (ft)
0.5" Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.0 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-105

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AN AFFILIATE OF DAY ENGINEERING, P.C

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-101

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL AND ROOTS	
2	NA	S-1	0-4	60	NA	0.0	0.7	Black Silty Sand, little Gravel, trace Clay, intermixed with Brick, Coal Slag and Coal Fragments, moist (FILL)	
3									
4							1.0	…wet	
5							0.0		
6	NA	S-2	4-8	80	NA	0.6	0.2	Black Sandy Gravel, little Silt, trace Clay, intermixed with Coal Fragments, wet (FILL)	
7									
8							0.4		
9							0.0	Brown fine Sand, some Gravel, trace Silt, intermixed with Brick Fragments, wet (FILL)	
10	NA	S-3	8-12	80	NA	0.6	0.0		
11								Brown coarse Sand, some Gravel, trace Silt, intermixed with Brick Fragments, wet (FILL)	
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-101

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-105

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 11.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	TOPSOIL AND ROOTS	
1									
2	NA	S-1	0-4	80	NA	0.0	0.2	Black Sandy Gravel, trace Silt, intermixed with Brick and Coal Fragments, moist (FILL)	
3									
4							0.2	Coal Slag Fragments, wet	
5								Black Sandy Gravel, trace Silt, intermixed with Coal Tar and Coal Slag Fragments, wet (FILL)	
6	NA	S-2	4-8	30	NA	3.2	10.8	…water is black with sheen	
7									
8							12.4		
9							22.4		
10	NA	S-3	8-11	30	NA	4.8	12.8		
11							11.6		
								Refusal @ 11.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-105

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-106

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Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 10.5' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
							0.0	TOPSOIL AND ROOTS	
1									
2	NA	S-1	0-4	60	NA	1.6	2.3	Black Sandy Gravel, trace Silt, intermixed with Coal and Coal Slag Fragments, moist (FILL)	
3									
4							4.6	…wet (water has sheen)	
5							10.6	Black stained Gravel, some Silty Sand, intermixed with Coal Tar and Coal Slag Fragments, wet (FILL)	
6	NA	S-2	4-8	40	NA	5.9	33.1		
7									
8							42.2		
9	NA	S-3	8-10.5	30	NA	3.7	12.8		
10							7.2	Green/Gray Silty CLAY, wet	
							5.6		
								Refusal @ 10.5'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-106

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-107

Page of 1 of 1

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	TOPSOIL AND ROOTS	
1								Black Sandy Gravel, trace Silt, intermixed with Coal Tar, Coal and Coal Slag	
2	NA	S-1	0-4	40	NA	3.4	1.6	Fragments, moist (FILL)	
3									
4							2.8	Coal Slag Fragments some Sand, trace Gravel, wet	
5							3.4	…water is black with sheen	
6	NA	S-2	4-8	30	NA	6.4	28.6	Black Stained Gravel, some Silty Sand intermixed with Coal Slag Fragments, wet (FILL)	
7									
8							41.2		
9							4.6		
10	NA	S-3	8-12	20	NA	1.9	6.2		
11									
12							12.4		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-107

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-108

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL AND ROOTS	
2	NA	S-1	0-4	60	NA	0.0	0.0	Black Sandy Gravel, some Silt, intermixed with Coal Fragments, moist (FILL)	
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	40	NA	0.1	0.0		
7									
8							0.0		
9							0.0		
10	NA	S-3	8-12	20	NA	0.0	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-108

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-110

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
							0.0	0.3' Asphalt and FILL	
1								Brown Sandy Gravel intermixed with Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	60	NA	1.1	0.0		
3								...Black Sandy Gravel	
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	40	NA	1.1	0.0		
7									
8							0.0		
								Refusal @ 8.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-110

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Project #: PC.2696I-01
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-111

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	0.3' Asphalt and FILL	
								Brown Sand, some Gravel, trace Silt, intermixed with Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	60	NA	0.9	0.8		
3									
4							1.7	...wet	
5							0.3	Black Sandy Gravel, intermixed with Coal Slag and Coal Fragments, wet (FILL)	
6	NA	S-2	4-8	40	NA	1.0	0.4		
7									
8							0.4		
9							0.4		
10	NA	S-3	8-12	30	NA	0.3	0.6		
11								Black Silty SAND, trace Gravel, wet	
12							0.5		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-111

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Project #: PC.2696I-01
Project Address: 1 West Main Street
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-112

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	0.75' Asphalt and FILL	
2	NA	S-1	0-4	50	NA	1.0	0.0	Brown Sandy Gravel, some Silt, intermixed with Brick and Coal Fragments, moist (FILL)	
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	20	NA	1.3	0.0		
7									
8							0.0	Green Silty CLAY, wet	
9									
10	NA	S-3	8-12	0	NA	-	-	…no recovery	
11									
12								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-112

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-113

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	0.3' Asphalt and FILL	
								Black Sandy Silt, little Gravel, intermixed with Brick and Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	80	NA	0.9	0.0		
3									
4							0.0		
5							0.0	…wet	
								Gray Silty Sand, little Gravel, intermixed with Brick and Coal Fragments,	
6	NA	S-2	4-8	80	NA	0.4	0.0	wet (FILL)	
7								...Black Sandy Silt	
8							0.0		
9							0.0		
10	NA	S-3	8-11	60	NA	0.3	0.0		
11								Black Sandy Gravel, little Silt, intermixed with Wood and Brick Fragments, wet (FILL)	
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-113

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Project #: PC.2696I-01
Project Address: 1 West Main Street
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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-115A

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 8.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Black Sandy Gravel, some Silt, intermixed with Coal and Brcik Fragments, moist (FILL)	
2	NA	S-1	0-4	70	NA	0.0	0.0		
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	30	NA	0.0	0.0		
7								Green/Gray coarse SAND, little Gravel, trace Silt, wet	
8							0.0		
								BOH @ 8.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-115A

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-116

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
2	NA	S-1	0-4	90%	NA	0.0	0.0	Black Sandy Gravel, trace Silt, intermixed with Coal Fragments, moist (FILL)	
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	100	NA	0.2	0.0		
7								Brown/Green Silty CLAY, trace Sand, wet	
8							0.0		
9							0.0	Brown SILT, trace Sand, wet	
10	NA	S-3	8-12	90	NA	0.0	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-116

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Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-117

Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1								TOPSOIL and ROOTS	
								Black Sandy Gravel, some Silt, intermixed with Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	80	NA	1.7	5.3		
3									
4								…wet (water has sheen)	
							17.1		
5									
6	NA	S-2	4-8	60	NA	23.5	34.6		
7								…some Coal Slag Fragments	
								Black Sandy Gravel, some Silt, intermixed with Coal Fragments and Coal Tar,	
8							49.2	wet (FILL)	
							37.2		
9									
10	NA	S-3	8-12	40	NA	1.7	29.1		
								Gray Silty CLAY, some sand, wet	
11									
12							7.6		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-117

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-118

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Ground Elevation: Datum:
Date Started: 11/15/2006 Date Ended: 11/15/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
2	NA	S-1	0-4	60	NA	0.0	0.0	Black Sandy Gravel, some Silt, intermixed with Coal Fragments, moist (FILL)	
3									
4							0.0	…wet	
5							0.0		
6	NA	S-2	4-8	40	NA	0.0	0.0		
7									
8							0.0		
9							0.0		
10	NA	S-3	8-12	20	NA	0.0	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-118

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Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-119

Ground Elevation: Datum:
Date Started: 11/16/2006 Date Ended: 11/16/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	TOPSOIL and ROOTS	
1									
2	NA	S-1	0-4	70	NA	4.3	1.3	Brown coarse Sand, some Gravel, trace Silt, moist (FILL)	
3									
4							0.8	…wet (water has sheen)	
5							1.1	Black Stained Gravel, trace Sand, intermixed with Coal Fragments, wet (FILL)	
6	NA	S-2	4-8	20	NA	2.1	2.1		
7									
8							3.0		
9							2.4	Black Sandy Silt, some Gravel, trace Clay, wet (FILL)	
10	NA	S-3	8-12	20	NA	14.1	2.9		
11									
12							3.2		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-120

Ground Elevation: Datum:
Date Started: 11/16/2006 Date Ended: 11/16/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	0.3' Asphalt and FILL	
1								Black Sandy Gravel intermixed with Coal and Coal Slag Fragments, moist (FILL)	
2	NA	S-1	0-4	80	NA	2.2	0.2		
3								…wet (water has sheen)	
4							0.4		
4							0.9		
5									
6	NA	S-2	4-8	40	NA	3.0	2.1		
7									
8							3.9		
8							3.2		
9									
10	NA	S-3	8-12	20	NA	4.7	2.9		
11								Gray Silty SAND, some Gravel, trace Clay, wet	
12							3.8		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-120

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DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-121

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 15.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
								Black Sandy Gravel, some Silt, intermixed with Coal and Coal Slag Fragments, moist (FILL)	
2	NA	S-1	0-4	80	NA	2.1	0.0		
3									
4							1.0	…wet (water has sheen), Coal Tar Type Odor	
5							1.1		
6	NA	S-2	4-8	60	NA	2.2	2.1	Black Sandy Gravel and Coal, intermixed with Coal Slag Fragments and Coal Tar, wet (FILL)	
7									
8							1.0		
9							323		
10	NA	S-3	8-12	60	NA	39.9	81.6	Black Silty CLAY, trace Silt, trace Gravel, wet	
11									
12							106		
13							6.4	Gray Silty SAND, some Gravel, wet	
14	NA	S-4	12-15	80	NA	3.0	5.6		
15							6.2		
								Refusal @ 15.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-121

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Sampling Method: Direct Push

TEST BORING NO. TB-122

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 10.6' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
								Black Sandy Gravel, some Silt, intermixed with Coal Tar, Coal Slag and Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	60	NA	12.4	0.0		
3									
4							9.3	…wet (water has sheen)	
5							3.6		
6	NA	S-2	4-8	50	NA	2.1	1.2		
7									
8							1.0		
9	NA	S-3	8-12	40	NA	2.8	3.2	Gray Silty CLAY, wet	
10							1.2		
							0.8		
								Refusal @ 10.6'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-122

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TEST BORING NO. TB-123

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Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 10.5' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
							0.0	TOPSOIL and ROOTS	
1								Black Sandy Gravel, some Silt, intermixerd with Coal and Coal Slag Fragments,	
2	NA	S-1	0-4	80	NA	16.9	3.1	Coal Tar, moist (FILL)	
3								Coal Slag Fragments, some Sandy Gravel, trace Silt, intermixed with	
4							7.2	Coal Tar, moist (FILL)	
								...wet (water has sheen)	
5							3.6		
6	NA	S-2	4-8	50	NA	14.8	6.8		
7								Gray Silty CLAY, trace Sand, wet	
8							4.8		
							6.8		
9	NA	S-3	8-12	60	NA	0.7	13.8		
10							1.8		
								Refusal @ 10.5'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-123

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Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-124

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Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	TOPSOIL and ROOTS	
1								Black Silty Sand, intermixed with Coal and Coal Slag Fragments, moist (FILL)	
2	NA	S-1	0-4	90	NA	0.7	0.0		
3									
4							0.0	...wet (water has sheen)	
5							0.8		
6	NA	S-2	4-8	60	NA	0.9	1.2		
7								Coal Slag Fragments, some Gravel, wet (FILL)	
8							3.6		
9							48.1	Gray Silty CLAY, wet	
10	NA	S-3	8-12	40	NA	8.1	96.2		
11									
12							18.9	BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-124

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Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-125

Page of 1 of 1

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2006
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
							0.0	TOPSOIL and ROOTS	
1								Black Gravel, some Coal Fragments, moist (FILL)	
2	NA	S-1	0-4	70	NA	2.3	0.0		
3									
4							0.0	Black Gravel, intermixed with Coal and Coal Slag Fragments, moist (FILL)	
5							0.0		
6	NA	S-2	4-8	70	NA	1.6	0.1	...wet	
7								Coal Slag Fragments, some Gravel, wet (FILL)	
8							0.1		
9							0.0		
10	NA	S-3	8-12	40	NA	8.1	0.0	Gray Silty CLAY, wet	
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-125

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Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-126

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2.0"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
2	NA	S-1	0-4	70	NA	1.2	0.0	Black Sandy Silt, some Gravel, trace Clay, intermixed with Coal and Brick Fragments, moist (FILL)	
3									
4							0.0		
5							0.0		
6	NA	S-2	4-8	60	NA	2.3	0.2	Coal Slag Fragments, trace Sandy Gravel, moist (FILL)	
7									
8							0.8	Wood (RR Tie), moist (FILL)	
9							0.0	Gray CLAY, trace Silt, wet	
10	NA	S-3	8-12	40	NA	0.8	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-126

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Sampling Method: Direct Push

TEST BORING NO. TB-127

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Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12 Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	TOPSOIL and ROOTS	
2	NA	S-1	0-4	80	NA	3.9	0.0	Black Sandy Gravel, some Silt, intermixed with Coal, Coal Slag, and Brick Fragments, moist (FILL)	
3									
4							0.0		
5							0.0		
6	NA	S-2	4-8	60	NA	0.6	0.0	...wet	
7									
8							0.8		
9									
10	NA	S-3	8-12	0	NA	NA	NA		
11									
12								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-127

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TEST BORING NO. TB-128

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Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	40	NA	2.0	0.0	Brown Silty Sand, some Gravel, intermixed with Brick, Coal, and Coal Slag Fragments, moist (FILL)	
2							0.0	Black Silty Sand, some Gravel, intermixed with Brick, Coal, and Coal Slag Fragments, moist (FILL)	
3									
4							0.0	Brown Sandy Gravel, intermixed with Brick, Coal, and Coal Slag Fragments,	
5	NA	S-2	4-8	10	NA	NA	0.0	moist (FILL)	
6							1.2	...wet	
7									
8							3.6		
9	NA	S-3	8-12	10	NA	NA	3.4		
10							2.1		
11									
12							2.4		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-128

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825

NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

www.dayenvironmental.com

Simon:\My Documents\nes0090 PC2696I-01 Boring Logs

day
ENVIRONMENTAL CONSULTANTS
DAY ENVIRONMENTAL, INC.
AN AFFILIATE OF DAY ENGINEERING, P.C

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-129

Ground Elevation: Datum:
Date Started: 11/29/2006 Date Ended: 11/29/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Black Sandy Gravel intermixed with Coal and Coal Slag Fragments, moist (FILL)	
2	NA	S-1	0-4	60	NA	14.7	0.8	Black Sandy Gravel trace Silt, some Coal Slag Fragments, moist (FILL)	
3								…wet (water has a sheen)	
4							1.1		
5							1.3		
6	NA	S-2	4-8	20	NA	5.4	2.3		
7									
8							1.0		
9							2.4		
10	NA	S-3	8-12	10	NA	9.2	3.1		
11									
12							3.6		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-129

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ENVIRONMENTAL CONSULTANTS
DAY ENVIRONMENTAL, INC.
AN AFFILIATE OF DAY ENGINEERING, P.C

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-130

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Asphalt and Sub-base	
2	NA	S-1	0-4	40	NA	1.1	0.8	Black Sandy Gravel, some Silt, intermixed with Coal, Brick, and Wood Fragments, moist (FILL)	
3									
4							0.7	…wet	
5							0.8		
6	NA	S-2	4-8	10	NA	0.8	2.4		
7								Black Coal Slag, some Gravel, intermixed with Coal, Brick and Wood Fragments, wet (FILL)	
8							2.7		
9							0.0	Gray Silty Clay some Silt, trace Gravel, wet (FILL)	
10	NA	S-3	8-12	25	NA	1.0	0.0		
11									
12							0.0	Gray coarse Sand, some Gravel, intermixed with Coal and Brick Fragments, wet (FILL)	
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-130

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ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
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day
ENVIRONMENTAL CONSULTANTS
DAY ENVIRONMENTAL, INC.
AN AFFILIATE OF DAY ENGINEERING, P.C

Project #: PC.2696I-01
Project Address: 1 West Main Street
Beacon, New York
DAY Representative: Nate Simon
Drilling Contractor: Miller Environmental
Sampling Method: Direct Push

TEST BORING NO. TB-131

Ground Elevation: Datum:
Date Started: 11/30/2006 Date Ended: 11/30/2005
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time): Not Measured

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID Reading (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	0.7' Asphalt and FILL	
								Black Sandy Gravel, some Silt, intermixed with Coal and Brick Fragments, moist (FILL)	
2	NA	S-1	0-4	40	NA	0.4	0.0		
3									
4							0.0		
5							0.0	Coal Fragments	
								Black Sandy Gravel, little Silt, intermixed with Coal and Brick Fragments,	
6	NA	S-2	4-8	90	NA	0.4	0.0	moist (FILL)	
								…wet	
7								Gray Silty Clay, some Sand, intermixed with Coal and Brick Fragments, wet (FILL)	
8							0.0		
9							0.0	Sandy Gravel intermixed with Wood and Coal Fragments, wet (FILL)	
10	NA	S-3	8-12	80	NA	0.5	0.0		
11									
12							0.0		
								BOH @ 12.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. TB-131

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Supplemental Phase II Investigation

BBL®
an ARCADIS company

June 22, 2006
0507501

Day Engineering, P.C.
40 Commercial Street
Rochester, New York 14614-1008

Attn: Mr. Raymond L. Kampff

Re: **Metro North Agreement No. 201415**
Supplemental Phase II Investigation
Dorel Hat Company (vicinity of Beacon Station)
1 West Main Street, Beacon, New York 12508

Dear Mr. Kampff:

In accordance with the proposal, dated May 11, 2006 under your authorization, YU conducted a Supplemental Phase II investigation the Dorel Hat property located on 1 West Main Street, in the City of Beacon, Dutchess County, New York. The accompanying data report presents the details of the investigation activities conducted at the site.

The objective of this Supplemental Phase II investigation was to verify the presence of Coal Tar contamination under the existing floor slab, inside the Dorel Hat building, to delineate the extent of contamination inside the building, and to determine the waste classification for the disposal purposes. The investigation program involved drilling eleven (11) soil borings and sampling.

This data report summarizes the findings relative to the coal tar contamination in the vicinity of the Blow Down area near the Southeast corner of Dorel Hat building.

If there are any questions concerning the content of this report, or if we may be of further service, please contact the undersigned at your convenience.

Yours truly,

Andrew Leung, P.E.
Vice President

1.0 INTRODUCTION

Yu and Associates, Inc. (YU), has prepared this Supplemental Phase II Investigation Report on behalf of Day Engineering, P.C. (DAY) to document the results of additional soil and groundwater sampling activities conducted at the Dorel Hat Company located at 1 West Main Street, City of Beacon, Dutchess County, New York.

The supplemental Phase II investigation was conducted as per our proposal dated May 11, 2006. Site Activities included conducting direct push Geoprobe borings inside the Dorel Hat Building, based upon the site knowledge and findings of the Modified Phase I Environmental Site Assessment (ESA), dated September 29, 2006, conducted by YU and the available information from the Phase II investigation activities conducted by DAY.

This Supplemental Phase II Investigation Report consists of a summary of the field work performed, results of field work and laboratory analyses, and discussion of the impacts to soil/groundwater at the subject property.

2.0 OBJECTIVES

The objectives of the supplemental Phase II activities preformed by YU were as follows:

- To verify the presence of Coal Tar contamination under the existing floor slab, inside the building foot print area
- To delineate the extent of contamination inside the building
- To determine the waste classification of contaminated soil for disposal purposes

3.0 SCOPE OF WORK

As a part of continuing investigations, YU has performed the following scope of work at this site.

- Advanced 11 test borings (TB200 through TB210) within the Dorel Hat Building through the concrete floor up to a depth of 16.0 ft below the ground surface and at least 2 feet into the water table at locations identified in the '*Figure 1, Site Plan of the Phase II Environmental Study*', and based upon the '*Sampling Plan for Dorel Hat Company Site*' provided by DAY, dated May 11, 2006. The boring locations are identified in Figure-1, Boring Location Plan.
- Collected at least one soil sample from each test boring for laboratory testing. The sample was selected for testing, based on visual and olfactory observations and/or PID screening to obtain a "worst case" sample from each location. If observation and/or screening did not indicate impact, the sample from a depth 8 ft below ground surface was collected.
- Prepared Chain of Custody documentation and test samples in accordance with the analytical testing program provided by DAY.
- Prepared this Supplemental Phase II Investigation data report including the soil boring logs, sampling summary tables, chain of custody documentation and laboratory reports

4.0 SITE INVESTIGATION

4.1 Soil Sampling Investigation

A soil sampling investigation was conducted on May 16 and 18, 2006 to evaluate the extent of coal tar contamination in the Dorel Hat Building. DAY retained Miller Environmental Group, Inc. of Calverton, New York for drilling of soil borings. The floor

inside the Dorel Hat Buildings is approximately three (3) feet higher than ground surface outside the building. The floor consists of a concrete slab, with thickness ranging from six (6) to eight (8) inches. A coring drill device was used to core through the concrete slab, before the sampler was advanced

Soil borings TB-200 through TB-203 were advanced on May 16, 2006 using a pneumatic jackhammer device modified to collect subsurface soil samples. The sampling equipment consisted of two (2) feet long sampler with acetate liner approximately 1 inch in diameter, pushed using a jack hammer in two (2) feet intervals. Equipment refusal was encountered during the installation of all four (4) borings TB-200 through TB-203. Apparently, the equipment was not appropriate for penetrating the dense granular soil.

Based on discussions with DAY, the four (4) borings were re-drilled using a truck mounted Geoprobe on May 18, 2006 to their anticipated depth. Drilling and sampling was performed using four (4) feet long macro core samplers with acetate liners. These soil borings TB-204 through TB-207 were re-drilled at offsets ranging from 3 feet to 10 feet from the original borings TB-200 through TB-203, respectively. Based on the observations from these borings, additional borings TB-208, TB-209, and TB-210 were drilled to a depth of 12 feet, on the same day. The sampler was decontaminated before each successive push, with an alconox solution and distilled water. Groundwater was encountered in borings TB-204 through TB-210, at a depth ranging from six (6) to eight (8) feet below floor elevation. Locations of all test borings TB-200 through TB-210 are shown in Figure 1, Boring Location Plan.

Soil obtained from the borings was visually examined, and screened using a MiniRAE 2000 (Model PGM 7600) Photo Ionization Detector (PID). The PID used in the investigation was calibrated before the start of work each day. Soil was classified in the field, as per the Burmeister classification system and boring logs were prepared. The borings are presented in Appendix A of this report. Samples were collected in certified laboratory containers, from the zone exhibiting maximum contamination or "worst case" contamination. If no contamination was evident, samples were collected from a depth of eight (8) feet below ground surface. Standard chain of custody procedures were followed to track the samples submitted for testing to Mitkem Corporation of Warwick, Rhode Island, a New York State certified laboratory. The chain of custody documentation is presented in Appendix B of this report.

During this investigation, a total of seven (7) soil samples were analyzed. All these samples were obtained from borings TB-204, through TB-210, and were analyzed for STARS – VOCs, TCLP-VOCs, TCL SVOCs, TCLP-SVOCs, Total Cynanides and waste classification analyses. Details of samples including the depths of the samples, media collected, the analytical parameters tested and sampling methods used are presented in Table 1 – Sampling Summary Table.

4.2 Groundwater Investigation

One (1) groundwater sample was collected from MW-103 using a ¾ inch bailer. MW-103 was a one (1) inch diameter well. The initial groundwater level was observed to be approximately three (3) feet below ground surface. The PID reading inside the metal protective casing and the head space inside PVC casing was observed to be zero (0) ppm. The monitoring well was purged by bailing out approximately five (5) well volumes of water, before sampling was performed. The groundwater sample from MW-103 was collected in appropriate laboratory provided containers and analyzed for STARS VOCs,

TCL VOCs, STARS SVOCs, and TCL SVOCs. All soil and groundwater samples were stored and shipped for testing in the laboratory provided coolers filled with ice and maintained at 4°C

5.0 ANALYTICAL RESULTS

Preliminary analytical results for soil and groundwater samples have been provided by Mitkem Corporation. All soil and groundwater analytical results are summarized in Tables 1 through 8. The laboratory analytical results are presented in Appendix C of this report.

5.1 Soil Analytical Results

The analytical results detected several VOCs and SVOCs in soil samples from borings TB-204, TB-206, TB-207, and TB-208 that exceeded the New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objectives (RSCO) published in Technical and Administrative Guidance Memorandum #4046 (TAGM #4046). Only a few SVOCs were detected at concentration exceeding the RSCO in soil borings TB-205, TB-209, and TB-210.

Volatile Organic Compounds (VOCs)

Soil samples TB204-8.5, TB206-9, TB207-9.5 and TB208-9 showed the presence of VOCs at concentrations exceeding the RSCO. Compounds including Benzene, Toluene, o,m,p Xylenes, and Naphthalene were detected in samples TB204-8.5, TB206-9 and TB207-9.5, at concentration exceeding the RSCO. Sample TB208-9 contained Benzene and Naphthalene at concentration higher than the RSCO. Soil VOCs Analytical Results Summary is shown in Table 2.

Semi-Volatile Organic Compounds (SVOCs)

Several SVOCs were detected in the soil samples TB204-8.5, TB206-9, TB207-9.5 and TB208-9 at concentrations exceeding the RSCO. SVOCs were also detected in samples TB205-6.5, TB209-9 and TB210-9; however only a few compounds exceeded the RSCO. The detailed Soil SVOCs Analytical Results Summary is shown in Table 3.

Toxicity Characteristic Leaching Procedure (TCLP) VOCs and SVOCs

TCLP VOCs analysis detected the presence of Benzene, Trichloroethene (TCE) and Tetrachloroethene (PCE) in TB204-8.5. Benzene was also detected in samples TB206-9, TB207-9.5 and TB208-9. All these compounds were detected at concentrations below the respective Hazardous Waste Regulatory Levels for Toxicity Characteristic, published in Spill Technology and Remediation Series (STARS) Memo #1. TCLP VOCs were not detected in samples TB209-9 and TB210-9. Soil TCLP VOCs Analytical Results Summary is shown in Table 4.

TCLP SVOCs including 2-Methylphenol and 4 Methylphenol were detected in TB206-9, TB207-9.5 and TB208-9. Only 4-Methylphenol was detected in sample TB204-8.5. TCLP SVOCs were not detected in samples TB209-9 and TB210-9. Hazardous Waste Regulatory Levels for Toxicity Characteristics were not available for these compounds. Soil TCLP SVOCs Analytical Results Summary is shown in Table 5.

Total Cyanides

A review of the analytical results showed the presence of cyanide in all soil samples including TB204-8.5, TB205-6.5, TB206-9, TB207-9.5, TB208-9, TB209-9 and TB210-9, with concentration ranging from 0.161 ppm to 4.7 ppm. The RSCO for Cyanide were

not available in TAGM# 4046. Soil Cyanide Analytical Results Summary is shown in Table 6.

pH, Reactivity and Ignitability

Soil samples TB204-8.5, TB206-9, TB207-9.5, TB208-9, TB209-9 and TB210-9 were tested for pH, reactivity and ignitability analyses. The analytical results are included with this report in Appendix C

5.2 Groundwater Analytical Results

Volatile Organic Compounds (VOCs)

Analytical results for Groundwater sample MW103 showed the presence of several VOCs including BTEX, Naphthalene and other compounds at levels exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values, published in Division of Water Technical and Operational Guidance Series (TOGS)-1.1.1. Groundwater VOCs Analytical Results Summary is shown in Table 7.

Semi-Volatile Organic Compounds (SVOCs)

Analytical results showed the presence of several SVOCs at concentrations exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values published in TOGS-1.1.1. Groundwater SVOCs Analytical Results Summary is shown in Table 8.

6.0 DISCUSSIONS

6.1 Delineation of Coal Tar Contamination

The analytical results revealed the presence of coal tar contamination in the soil beneath the existing floor slab, inside the Dorel Hat buildings. Presence of Coal Tar was observed in soil borings TB-204, TB-206, TB207, and TB-208 typically between 8.5 to 10.5 feet below the concrete floor. Based upon field observations, trace amount of coal tar was observed in boring TB 209, however no odor was observed. Dark Gray material consisting of coarse to fine Gravel with septic odor was encountered in borings TB 209 and TB 210. Boring TB 205 did not show signs of visible coal tar contamination, also confirmed by the analytical results.

6.2 Waste Characterization for Disposal

Soil samples from borings TB204 and TB206 through TB210 were tested for waste characterization analyses including TCLP VOCs, TCLP SVOCs, pH, Reactivity and Ignitability. For *toxicity* characteristics, none of the samples contained TCLP VOCs and/or SVOCs that exceeded the regulatory criteria (Tables 4 & 5). For *ignitability* characteristics, results showed flash point greater than 140 ^{0}F for all the samples. For *corrosivity* characteristics, all samples were observed to have pH greater than 2 and less than 12.5. For *reactivity* characteristics, none of the samples showed release of reactive cyanide. However all the samples showed release of reactive sulfide at concentration ranging from 270 ppm to 3500 ppm.

Although a release of reactive sulfide was observed, these waste characteristics can be addressed by the designated disposal facility using appropriate disposal technique to limit the release of reactive sulfide, and the waste may be disposed as non-hazardous waste.

TABLES

Table 1
Sampling Summary Table
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Date Sampled	Sample Number	Depth (ft)	Medium	Analytical parameters	Sampling method
Soil Sampling (Through Borings TB200 to TB210)					
5/16/2006	TB200-4*	4.0-5.0	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/16/2006	TB201-4*	4.0-5.0	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/16/2006	TB202-5.5*	5.5-6.5	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/16/2006	TB203-3*	3.0-4.0	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/18/2006	TB204-8.5	8.5-9.5	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB205-6.5	6.5-7.5	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/18/2006	TB205-8*	8.0-9.0	Solid	STARS VOCs, TCL SVOCs, TOTAL CYANIDES	Trowel
5/18/2006	TB206-9	9.0-10.0	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB207-9.5	9.5-10.5	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB208-9	9.0-10.0	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB209-9	9.0-10.0	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
5/18/2006	TB210-9	9.0-10.0	Solid	STARS VOCs, TCLP VOCs, TCL SVOCs, TCLP SVOCs, TOTAL CYANIDES, pH, REACTIVITY, IGNITABILITY	Trowel
Groundwater Sampling					
5/18/2005	MW103		Aqueous	STARS VOCs, TCL VOCs, STARS SVOCs, TCL SVOCs	Bailer

* - Not Analyzed

Qualifiers :

STARS VOCs - Spill Technology and Remediation Series - Volatile Organic compounds

STARS SVOCs - Spill Technology and Remediation Series - Semi-Volatile Organic compounds

TCL VOCs - Target Compound List - Volatile Organic Compounds

TCL SVOCs - Target Compound List - Semi-Volatile Organic Compounds

TCLP VOCs - Toxicity Characteristic Leaching Procedure - Volatile Organic Compounds

TCLP SVOCs - Toxicity Characteristic Leaching Procedure - Semi-Volatile Organic Compounds

Table 2
Soil Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5	TB204-8.5DL	TB205-6.5	TB206-9	TB206-9DL	TB207-9.5	TB207-9.5DL	TB208-9	TB208-9DL	TB209-9	TB210-9	NYSDEC	NYSDEC
Lab Sample ID	E0658-05C	E0658-05C	E0658-06B	E0658-08C	E0658-08CDL	E0658-09C	E0658-09CDL	E0658-10C	E0658-10CDL	E0658-11C	E0658-12A	Rec. Soil	Soil cleanup
Sampling Date	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	Cleanup	objectives
Sample Depth (ft)	8.5-9.5	8.5-9.5	6.5-7.5	9-10	9-10	9.5-10.5	9.5-10.5	9-10	9-10	9-10	9-10	Objective	to protect
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		GW quality
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor	1	50	1	1	50	1	100	1	20	1	1		
VOCs													
Benzene	**640** E	ND	ND	**1800** E	ND	**10000** E	**22000** DJ	**150**	ND	ND	ND	60	60
Toluene	**2000** E	ND	ND	**3000** E	**5900** DJ	**13000** E	**78000** D	**370**	ND	ND	ND	1500	1500
Ethylbenzene	**1300** E	ND	ND	**3600** E	ND	**23000** E	ND	**60**	ND	ND	ND	5500	5500
m,p-Xylene	**5200** E	**22000** DJ	ND	**7800** E	**13000** DJ	**48000** E	**140000** D	**680**	ND	ND	ND	1200	1200
o-Xylene	**2800** E	ND	ND	**5500** E	ND	**35000** E	**53000** DJ	**260**	ND	ND	ND	1200	1200
Xylene (Total)	**8100** E	**22000** DJ	ND	**13000** E	**13000** DJ	**83000** E	**190000** D	**940**	ND	ND	ND	1200	1200
Isopropylbenzene	**110**	ND	ND	**610**	ND	**1500** E	ND	**8** J	ND	ND	ND	NA	NA
n-Propylbenzene	**51**	ND	ND	**140**	ND	**2800** E	ND	**6** J	ND	ND	ND	NA	NA
1,3,5-Trimethylbenzene	**1600** E	ND	ND	**3100** E	ND	**25000** E	**36000** DJ	**170**	ND	ND	ND	NA	NA
1,2,4-Trimethylbenzene	**2400** E	**22000** DJ	ND	**4100** E	**10000** DJ	**32000** E	**80000** D	**400**	ND	ND	ND	NA	NA
4-Isopropyltoluene	**50**	ND	ND	**220**	ND	**1600** E	ND	**5** J	ND	ND	ND	NA	NA
Naphthalene	**12000** EB	**22000** D	**4** J	**18000** EB	**360000** D	**85000** EB	**2600000** D	**5300** EB	**54000** D	**27**	**5** J	13000	13000

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which samples were analyzed

Qualifiers

E - Concentration exceeds the calibration range
B - Detected in associated method blank
D - Concentration obtained from diluted analysis
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results of Volatile Organics analyses

Table 3
Soil Semi-Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5		TB204-8.5DL		TB205-6.5		TB206-9		TB206-9DL		TB207-9.5		TB207-9.5DL		TB208-9		TB208-9DL		TB209-9		TB210-9		NYSDEC	NYSDEC
Lab Sample ID	E0658-05A		E0658-05ADL		E0658-06B		E0658-08A				E0658-09A		E0658-09ADL		E0658-10A		E0658-10ADl		E0658-11C		E0658-12A		Rec. Soil	Soil cleanup
Sampling Date	5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006		Cleanup	objectives
Sample Depth (ft)	8.5-9.5		8.5-9.5		6.5-7.5		9-10		9-10		9.5-10.5		9.5-10.5		9-10		9-10		9-10		9-10		Objective	to protect
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			GW quality
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	ug/Kg
Dilution Factor	1		10		1		1		25		1		5		1		10		1		1			
SVOCs																								
Phenol	**77**	J	ND		ND		ND		ND		**260**	J	ND		ND		ND		ND		ND		30	30
4-Methylphenol	**90**	J	ND		ND		**2600**	J	ND		**370**	J	**380**	DJ	**810**	J	ND		ND		ND		900	900
2,4-Dimethylphenol	**100**	J	ND		ND		**2800**	J	ND		**1900**		**1900**	DJ	**6400**		**5600**	DJ	ND		ND		NA	NA
Naphthalene	**21000**	E	**40000**	D	**140**	J	**1300000**	E	**200000**	D	**37000**	E	**55000**	D	**390000**	E	**670000**	D	**620**		**85**	J	13000	13000
2-Methylnaphthalene	**10000**	E	**18000**	D	ND		**490000**	E	**72000**	D	**17000**	E	**26000**	D	**150000**	E	**240000**	D	**85**	J	ND		36400	36400
Acenaphthylene	**11000**	E	**19000**	D	ND		**410000**	E	**58000**	D	**15000**	E	**24000**	D	**120000**	E	**200000**	D	**43**	J	ND		41000	41000
Acenaphthene	**4900**		**6400**	D	ND		**320000**		**40000**	D	**5600**		**7200**	D	**52000**		**70000**	D	**240**	J	**570**		50000	90000
Dibenzofuran	**10000**	E	**17000**	D	ND		**430000**	E	**59000**	D	**14000**	E	**21000**	D	**100000**	E	**170000**	D	**140**	J	**80**	J	6200	6200
Fluorene	**12000**	E	**22000**	D	ND		**500000**	E	**72000**	D	**16000**	E	**26000**	D	**120000**	E	**220000**	D	**190**	J	**150**	J	50000	350000
Phenanthrene	**36000**	E	**49000**	D	**110**	J	**1200000**	E	**150000**	D	**39000**	E	**48000**	D	**310000**	E	**500000**	D	**780**		**1000**		50000	220000
Anthracene	**36000**	E	**31000**	D	**47**	J	**480000**	E	**65000**	D	**18000**	E	**31000**	D	**94000**	E	**190000**	D	**290**	J	**300**	J	50000	700000
Carbazole	**9600**	E	**12000**	D	ND		**240000**		**28000**	D	**14000**	E	**17000**	D	**64000**		**82000**	D	**200**	J	**130**	J	NA	NA
Fluoranthene	**21000**	E	**37000**	D	**200**	J	**770000**	E	**120000**	D	**22000**	E	**36000**	D	**190000**	E	**380000**	D	**750**		**1000**		50000	1900000
Pyrene	**23000**	E	**33000**	D	**160**	J	**840000**	E	**99000**	D	**27000**	E	**32000**	D	**240000**	E	**290000**	D	**620**		**870**		50000	665000
Benzo(a)anthracene	**15000**	E	**16000**	D	**110**	J	**540000**	E	**59000**	D	**15000**	E	**19000**	D	**150000**	E	**160000**	D	**240**	J	**490**		224	3000
Chrysene	**17000**	E	**19000**	D	**150**	J	**510000**	E	**58000**	D	**17000**	E	**18000**	D	**140000**	E	**150000**	D	**290**	J	**680**		400	400
Benzo(b)fluoranthene	**12000**	E	**14000**	D	**110**	J	**480000**	E	**46000**	D	**13000**	E	**15000**	D	**120000**	E	**130000**	D	**200**	J	**450**	J	1100	1100
Benzo(k)fluoranthene	**6800**		**8000**	D	**47**	J	**200000**		**28000**	D	**5200**		**6300**	D	**60000**		**66000**	D	**88**	J	**220**	J	1100	1100
Benzo(a)pyrene	**11000**	E	**11000**	D	**90**	J	**390000**		**41000**	D	**10000**		**12000**	D	**100000**	E	**110000**	D	**170**	J	**350**	J	61	11000
Indeno(1,2,3-cd)pyrene	**4500**		**4600**	DJ	**55**	J	**160000**		**16000**	D	**4400**		**4000**	D	**43000**		**40000**	DJ	**78**	J	**150**	J	3200	3200
Dibenzo(a,h)anthracene	**1800**		**1800**	DJ	ND		**65000**		**6500**	DJ	**1800**		**1800**	DJ	**18000**		**16000**	DJ	ND		**75**	J	14.3	» 10^8
Benzo(g,h,i)perylene	**4100**		**3900**	DJ	**64**	J	**150000**		**14000**	D	**4100**		**3700**	D	**42000**		**36000**	DJ	**83**	J	**150**	J	50000	800000

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which samples were analyzed

Qualifiers

E - Concentration exceeds the calibration range
D - Concentration obtained from diluted analysis
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Soil Cleanup Criteria are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 4
Soil TCLP Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5		TB206-9	TB207-9.5	TB208-9	TB209-9	TB210-9	Hazardous Waste
Lab Sample ID	E0658-05C		E0658-08C	E0658-09C	E0658-10C	E0658-11C	E0658-12C	Regulatory Levels
Sampling Date	5/18/2006		5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	for Toxicity
Sample Depth (ft)	8.5-9.5		9-10	9.5-10.5	9-10	9-10	9-10	Characteristics
Matrix	Soil		Soil	Soil	Soil	Soil	Soil	
Units	ug/Kg		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor	1		1	1	1	1	1	
TCLP VOCs								
Benzene	**3**	J	**160**	**88**	**6**	ND	ND	500
Trichloroethene	**2**	J	ND	ND	ND	ND	ND	500
Tetrachloroethene	**3**	J	ND	ND	ND	ND	ND	700

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which samples were analyzed

Qualifiers

TCLP - Toxicity Characterictic Leaching Procedure
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 5
Soil TCLP Semi-Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5		TB206-9		TB207-9.5		TB208-9		TB209-9	TB210-9	Hazardous Waste
Lab Sample ID	E0658-05A		E0658-08A		E0658-09A		E0658-10A		E0658-11A	E0658-12A	Regulatory Levels
Sampling Date	5/18/2006		5/18/2006		5/18/2006		5/18/2006		5/18/2006	5/18/2006	for Toxicity
Sample Depth (ft)	8.5-9.5		9-10		9.5-10.5		9-10		9-10	9-10	Characteristics
Matrix	Soil		Soil		Soil		Soil		Soil	Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	ug/Kg	ug/Kg
Dilution Factor	1		1		1		1		1	1	
TCLP SVOCs											
2-Methylphenol	ND		**4**	J	**6**	J	**8**	J	ND	ND	NA
4-Methylphenol	**3**	J	**7**	J	**10**	J	**12**	J	ND	ND	NA

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which samples were analyzed

Qualifiers

TCLP - Toxicity Characterictic Leaching Procedure
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 6
Soil Cyanide Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	TB204-8.5	TB205-6.5	TB206-9	TB207-9.5	TB208-9	TB209-9	TB210-9	TB210-9DUP	NYSDEC	NYSDEC
Lab Sample ID	E0658-05A	E0658-06A	E0658-08A	E0658-09A	E0658-10A	E0658-11A	E0658-12A	E0658-12A	Rec. Soil	Soil cleanup
Sampling Date	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	5/18/2006	Cleanup	objectives
Sample Depth (ft)	8.5-9.5	6.5-7.5	9-10	9.5-10.5	9-10	9-10	9-10	9-10	Objective	to protect
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		GW quality
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1	1	1	1	1	1		
Cyanides										
Cyanide	**3.2** N	ND	**2.5** N	**0.54** BN	**4.7** N	**2.2** N	ND	**0.161** B	NA	NA

Qualifiers

N - Matrix Spike Recovery falls outside the control limit
B - Detected in associated method blank
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 7
Groundwater Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	MW103		MW103DL		NYSDEC
Lab Sample ID	E0658-13A		E0658-13ADL		Ambient Water
Sampling Date	5/18/2006		5/18/2006		Quality Standards
Matrix	Water		Water		& Guidance Values
Units	ug/Kg		ug/Kg		ug/l
Dilution Factor	1		8		
VOCs					
Acetone	**6**		ND		50
Carbon Disulfide	**5**		ND		50
Benzene	**360**	E	**400**	D	1
Toluene	**240**	E	**190**	D	5
Ethylbenzene	**10**		ND		5
m,p-Xylene	**120**		**82**	D	5
o-Xylene	**55**		**39**	DJ	5
Xylene (Total)	**170**		**120**	D	5
Styrene	**17**		**11**	DJ	5
1,3,5-Trimethylbenzene	**12**		ND		5
1,2,4-Trimethylbenzene	**29**		**19**	DJ	5
Naphthalene	**410**	E	**1100**	D	10

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which the sample was analyzed

Qualifiers

E - Concentration exceeds the calibration range
J - Analyte detected Below quantitation limits
D - Concentration obtained from diluted analysis
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Ambient Water Quality Standards & Guidance Values are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

Table 8
Groundwater Semi-Volatile Organic Analytical Results Summary
Dorel Hat- Supplemental Phase II Investigation
Beacon, NY
Project No. 0507501

Sample ID	MW103		MW103DL		NYSDEC
Lab Sample ID	E0658-13B		E0658-13BDL		Ambient Water
Sampling Date	5/18/2006		5/18/2006		Quality Standards
Matrix	Water		Water		& Guidance Values
Units	ug/Kg		ug/Kg		ug/l
Dilution Factor	1		10		
SVOCs					
Phenol	**240**	E	**270**	D	1
2-Methylphenol	**360**	E	**480**	D	NA
4-Methylphenol	**540**	E	**740**	D	NA
2,4-Dimethylphenol	ND		**1000**	D	50
Naphthalene	**730**	E	**1300**	D	10
2-Methylnaphthalene	**100**		**110**	D	4.2
Acenaphthylene	**72**		**77**	DJ	NA
Acenaphthene	**70**		**80**	DJ	20
Dibenzofuran	**31**		**32**	DJ	NA
Fluorene	**26**		**26**	DJ	50
Phenanthrene	**48**		**55**	DJ	50
Anthracene	**9**	J	ND		50
Carbazole	**29**		**28**	DJ	NA
Fluoranthene	**10**		ND		50
Pyrene	**9**	J	ND		50
Benzo(a)anthracene	**2**	J	ND		NA
Chrysene	**3**	J	ND		0.002
Benzo(b)fluoranthene	**2**	J	ND		0.002
Benzo(k)fluoranthene	**1**	J	ND		0.002
Benzo(a)pyrene	**2**	J	ND		0.002
Indeno(1,2,3-cd)pyrene	**1**	J	ND		0.002
Benzo(g,h,i)perylene	**1**	J	ND		NA

Note: This table lists only the detected compounds. Please refer to Appendix C - Laboratory Results for a complete list of compunds for which the sample was analyzed

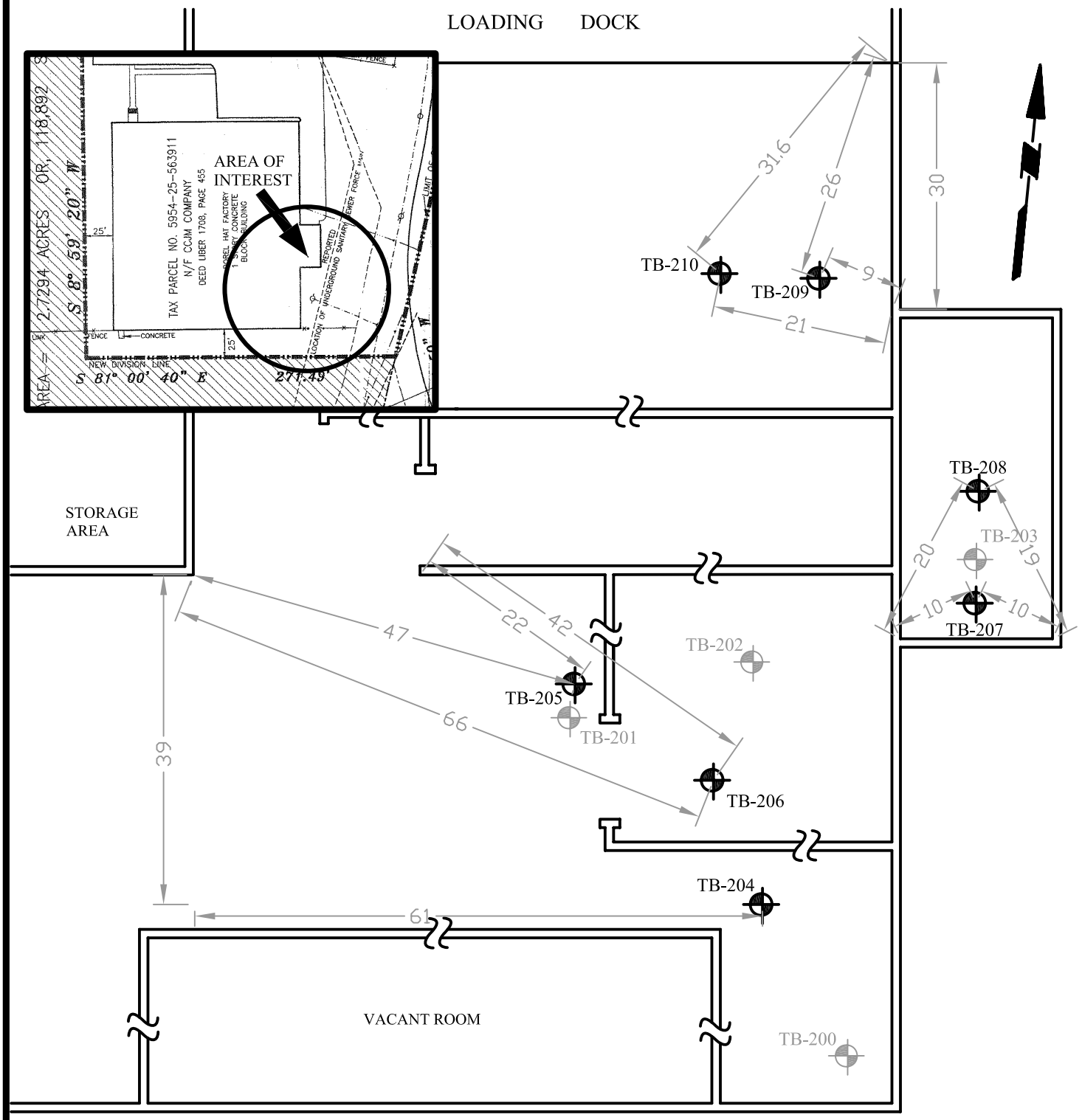
Qualifiers

E - Concentration exceeds the calibration range
D - Concentration obtained from diluted analysis
J - Analyte detected Below quantitation limits
ND - Not Detected at the method detection limit
NA - Not Available
55 - Concentration of compounds that are detected are listed and identified in bold type.
55 - Concentration of compounds that exceed the NYSDEC Ambient Water Quality Standards & Guidance Values are listed and identified in bold and boxed.
Use professional Judgement based on data use

Note:

The data presented herein is based on the Preliminary Results

FIGURES



NOTE:

1. ALL DIMENSIONS IN FEET
2. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

LEGEND:

TB-205 — BORING DRILLED ON MAY 18, 2006

TB-200 — BORING DRILLED ON MAY 16, 2006, REFUSAL ENCOUNTERED BEFORE THE DESIGN DEPTH

YU & Associates, Inc.
Geotechnical, Environmental and Civil Engineering

611 River Drive
Elmwood Park, NJ 07407

Tel: (201) 791-0075
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Certificate of Authorization #24GA27976700

BORING LOCATION PLAN
METRO NORTH - DORAL HAT
1 WEST MAIN STREET

BEACON

DUTCHESS NEW YORK

JOB NO.: 0507501	SCALE: N. T. S.	DATE: 06/14/06	FIG. 1

G:\YU&ASSOC\PROJECTS\05075 (Metro North Beacon)\Dorel Hat\Phase II\Dwg\ Fig_1.dwg Jun 15, 2006 - 7:11pm agarg

APPENDIX A

BORING LOGS

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Core Drill & Jack Hammer

CASING: NA

CORING: NA

STARTED: 05/16/06

COMPLETED: 05/16/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-200**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/16/06	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	6.5" Thick Concrete Floor Brown c-f SAND, little Silt, little m-f Gravel, dry	12/18	0.0 (throughout)		
2		± 2'				
3		Same as above ± 3'	18/24			
4		Grayish Black c-f SAND, little Silt, frequent ash and cinder fragments ± 4'			TB200-4 (Soil)	4-5
5		Same as above ± 5'	12/12			
		END OF BORING @ 5 FEET				

REMARKS: Refusal encountered at 5 ft

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Core Drill & Jack Hammer

CASING: NA

CORING: NA

STARTED: 05/16/06

COMPLETED: 05/16/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. TB-201

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/16/06	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	8" Thick Concrete Floor Brown c-f SAND, little Clayey Silt, trace m-f Gravel, moist	4/12	0.0 (throughout)		
2		± 2'				
3		Brown c-f SAND, little Silt, trace m-f Gravel, dry	12/24			
4		± 4'			TB201-4 (Soil)	4-5
5		Same as above ± 5'	12/24			
6		Dark Brown to Black c-f SAND, little m-f Gravel, ash and cinder fragments ± 6.5'	0/6			
7		END OF BORING @ 6.5 FEET				

REMARKS: Refusal encountered at 6.5 ft

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Core Drill & Jack Hammer

CASING: NA

CORING: NA

STARTED: 05/16/06

COMPLETED: 05/16/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. TB-202

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/16/06	6.5

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE	
					Env. Sample	Depth (feet)
1	FILL	6.5" Thick Concrete Floor		0.0 (throughout)	TB202-5.5 (Soil)	5.5-6.5
2		Brown c-f SAND, little m-f Gravel, little Silt, dry ± 2.5'	22/24			
3		Same as above	9/24			
4		±4' Dark Brown c-f SAND, little m-f Gravel, trace Silt, moist				
5		Same as above	18/24			
6		Brown m-f SAND, some Silt, trace f Gravel, moist Brown m-f SAND, some Clayey Silt, wet Dark Brown/Black c-f SAND, and f Gravel, wet ± 6.5'				
		END OF BORING @ 6.5 FEET				

REMARKS: Refusal encountered at 6.5 ft

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Core Drill & Jack Hammer

CASING: NA

CORING: NA

STARTED: 05/16/06

COMPLETED: 05/16/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-203**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/16/06	NA

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	4.5" Thick Concrete Floor Note: Cored drilled to 1 ft due to refusal ± 1'		0.0 (throughout)	TB203-3 (Soil)	3-4
2		Dark Gray / Black c-f GRAVEL, some c-f Sand, ash and cinders, moist ± 2'	4/12			
3		Grayish Brown c-f SAND, some c-f Gravel, trace Silt, moist, ash and cinders ± 3' Dark Gray/ Black c-f SAND, some m-f Gravel, moist, ash and coal fragments	16/24			
4		± 4'				
		END OF BORING @ 4 FEET				

REMARKS: Refusal encountered at 4 ft

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-204**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	6.5" Thick Concrete Floor Brown c-f SAND, little c-f Gravel, trace Silt, moist				
2			24/48	0.0		
3						
4		± 4'				
5		Dark Brown/Black c-f SAND, some Silt, little f Gravel, dry, with ash, cinders and coal fragments				
6		Brown c-f SAND, little c-f Gravel, trace Silt, moist	35/48	0.0		
7		Brown/Dark Brown c-f Gravel, little c-f Sand, trace Silt, wet				
8		Note: Dark Gray / Black color @ bottom 1" of sample ± 8'				
9		Dark Gray / Black c-f GRAVEL, little c-f Sand, trace Silt, wet, free product (coal tar) observed, strong petroleum odor			TB204-8.5 (Soil)	8.5-9.5
10			14/48	> 100 ppm		
11						
12		± 12'				
13	SM	Same as above ± 12.5' Dark Gray v. f. SAND, trace Silt, wet				
14			13/48	0.0		
15						
16		± 16'				
		END OF BORING @ 16 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-205**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	8

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
1	FILL	8" Thick Concrete Floor Brown c-f SAND, little Silt, trace m-f Gravel, dry	23/40	0.0 (throughout)		
2						
3						
4		± 4' Same as above				
5		Dark Brown c-f SAND, some Silt, little m-f Gravel moist	36/48			
6		Dark Brown /Black c-f GRAVEL, some c-f Sand, little Silt, moist, with ash and cinder fragments			TB205-6.5 (Soil)	6.5-7.5
7		Dark Brown SILT & CLAY, moist				
8		± 8'			TB205-8 (Soil)	8-9
9		Brown c-f GRAVEL, little c-f Sand, trace Silt, wet Note: Cobble stuck at tip of the sampler	12/48			
10						
11						
12		± 12'				
13	SM	Brown c-f GRAVEL, little c-f Sand, trace Silt moist ± 12.5 Dark Brown/Gray f SAND, little Clayey Silt, moist	8/48			
14						
15						
16		± 16'				
		END OF BORING @ 16 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. TB-206

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6.5

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6.5" Thick Concrete Floor				
1	FILL	Brown c-f SAND, little f Gravel, trace Silt, dry				
2		± 2'	18/41.5			
3		Dark Brown c-f SAND, little m-f Gravel, dry				
4		± 4'				
5		Dark Brown/Black c-f SAND, little c-f Gravel, little Silt, moist ± 5'		0.0 (throughout)		
6		Brown c-f SAND, lilttle f Gravel, trace Silt, moist ± 6'	28/48			
7		Dark Gray to Black c-f GRAVEL, little c-f Sand, wet, septic odor				
8		± 8'				
9		Dark Gray/Black c-f GRAVEL, little c-f Sand, trace Silt, wet, coal tar odor oberserved ± 9.5'			TB206-9 (Soil)	9-10
10	CL	Dark Gray/Black Silty CLAY, coal tar odor observed	23/48			
11						
12		± 12'				
		END OF BORING @ 12 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-207**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6.5

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6" Thick Concrete Floor				
1	FILL	Brown / Dark Brown c-f GRAVEL, and c-f Sand, trace Silt, moist				
2		± 2'				
3		Dark Gray/Black c-f SAND, some Silt, some c-f Gravel, with ash and cinder fragments	30/42			
4		± 4'				
5		Dark Brown/Brown c-f SAND, little c-f Gravel trace Silt, moist, with ash and cinder fragments		0.0 (throughout)		
		± 5.5'				
6		Brown c-f GRAVEL, some c-f Sand, trace Silt, moist ± 6.5'	36/48			
7		Dark Gray/Black c-f GRAVEL, trace c-f Sand, wet, with ash and ciner fragments				
8		± 8'				
		Brown/Dark Brown c-f SAND, and c-f Gravel, wet				
9		Dark Gray/Black c-f GRAVEL, trace c-f Sand, wet, free product (coal tar) observed			TB207-9.5 (Soil)	9.5-10.5
10		± 10'	28/48			
11	CL	Dark Gray Silty CLAY, wet, coal tar observed				
12		± 12'				
		END OF BORING @ 12 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-208**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6" Thick Concrete Floor				
1	FILL	Dark Brown c-f SAND, some c-f Gravel, trace Silt, dry, with coal and slag fragments				
2		Brown/Dark Brown c-f SAND, and Clayey Silt, trace c-f Gravel, moist ± 2'	24/42			
3		Black c-f SAND, some Silt, little c-f Gravel, dry with ash and cinder fragments				
4		± 4'				
		Same as above		0.0 (throughout)		
5		Dark Brown/Brown c-f GRAVEL, some c-f Sand, little Silt, moist ± 5.5'				
6		Dark Gray/Black c-f GRAVEL, little c-f Sand, trace Silt, wet	24/42			
7						
8		± 8'				
9		Dark Gray/Black c-f GRAVEL, some c-f Sand, trace Silt, wet, coal tar observed at bottom of layer ± 9'			TB208-9 (Soil)	9-10
10	CL	Dark Gray Silty CLAY, wet	15/48			
11						
12		± 12'				
		END OF BORING @ 12 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. TB-209

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6" Thick Concrete Floor				
1	FILL	Brown c-f SAND, little c-f Gravel, little Silt, dry				
2			21/42			
3						
4		± 4'				
		Same as above		0.0 (throughout)		
5		Dark Brown/Black c-f SAND, with ash and cinders				
6		± 6'				
		Yellowish Brown c-f SAND, some Silt, little c-f Gravel, moist	40/48			
7		Dark Brown/Black c-f SAND, little m-f Gravel, moist				
8		Grayish Black c-f GRAVEL, little c-f Sand, trace Silt, wet, septic odor observed ± 8'				
		Same as above				
9		Dark Gray / Black c-f GRAVEL, little c-f Sand, moist, observed coal tar, no odor ± 9.5'			TB209-9 (Soil)	9-10
10	ML	Dark Gray Clayey SILT, moist, septic odor	19/48			
11						
12		± 12'				
		Same as above				
13						
14	SM	Dark Gray v f SAND, little Silt, moist	23/48			
15						
16		± 16'				
		END OF BORING @ 16 FEET				

REMARKS:

Yu & Associates, Inc.

PROJECT NAME: Metro North Beacon, Dorel Hat

LOCATION: Beacon, NY

GROUND ELEVATION:

NORTHING: **EASTING:**

RIG TYPE: NA

DRILLING METHOD: Truck Mounted Geoprobe

CASING: NA

CORING: NA

STARTED: 05/18/06

COMPLETED: 05/18/06

CONTRACTOR: Miller Environmental

DRILLER: Chris Myers / Tony

INSPECTOR: A. Garg

Boring No. **TB-210**

BOREHOLE FLUID LEVEL	
DATE	**DEPTH (FEET)**
05/18/06	6

DEPTH (feet)	USC System	DESCRIPTION (based on Burmister system)	Recovery (In/In)	PID (ppm)	SAMPLE Env. Sample	SAMPLE Depth (feet)
		6" Thick Concrete Floor				
1	FILL	Brown c-f SAND, little Silt, little f Gravel, dry, with ash and cinder fragments				
2			24/42			
3						
4		± 4'				
		Same as above		0.0 (throughout)		
5		Dark Brown/Black c-f SAND, trace Silt, dry, with ash and cinder fragments ± 5.5'				
6		Brown f SAND, little c-f Gravel, little Silt, wet ± 6.5'	33/48			
7		Dark Gray c-f GRAVEL, little c-f Sand, wet, septic odor observed				
8		± 8'				
		Dark Gray m-f GRAVEL, little c-f Sand, wet, with ash and cinder fragments, septic odor				
9		Gray CLAY & SILT, trace c Gravel, moist ± 9'			TB210-9 (Soil)	9-10
10		Dark Gray m-f GRAVEL, little c-f Sand, wet, with ash and cinder fragments, septic odor ± 10'	29/48			
11	CL	Gray Silty CLAY, moist, Black in color at top and gray at bottom				
12		± 12'				
		END OF BORING @ 12 FEET				

REMARKS:

Yu & Associates, Inc.

APPENDIX B

CHAIN OF CUSTODY

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO

COMPANY: YU & ASSOCIATES, INC. | PHONE: (201) 791 0075
NAME: AMIT GARG. | FAX: (201) 791 4533
ADDRESS: 611 RIVER DRIVE, 3rd Floor
CITY/ST/ZIP: ELMWOOD PARK, NJ - 07407

INVOICE TO

COMPANY: DAY ENGINEERING, P.C. | PHONE: 585-454-0210
NAME: RAY KAMPFF | FAX: 585-454-0825
ADDRESS: 40 COMMERCIAL STREET
CITY/ST/ZIP: ROCHESTER, NY - 14614

LAB PROJECT #:

TURNAROUND TIME:

CLIENT PROJECT NAME: METRO NORTH - DOREL HAT.

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	STARS VOCs	TCL SVOCs	TOTAL CYANIDE	PH	REACTIVITY	IGNITABILITY	TCLP VOCs	TCLP SVOCs				COMMENTS
TB200-4	05/16/06 1:30 PM				✓			2	✓	✓	✓									*
TB201-4	1:00 PM				✓			2	✓	✓	✓									*
TB202-5.5	11:30 AM				✓			2	✓	✓	✓									*
TB203-3	2:20 PM				✓			2	✓	✓	✓									*
TB204-8.5	05/18/06 12:30 PM				✓			5	✓	✓	✓	✓	✓	✓	✓	✓				
TB205-6.5	10:45 AM				✓			2	✓	✓	✓									
TB205-8	10:50 AM				✓			2	✓	✓	✓									*
	/																			
	/																			
	/																			
	/																			
	/																			

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	AMIT GARG	05/19/06 12:30 PM		/
		/		/
		/		/

ADDITIONAL REMARKS:

* → TO BE TESTED, ONLY UPON AUTHORIZATION BY DAY ENGINEERING, P.C.

COOLER TEMP: 4°C

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY YU & ASSOCIATES, INC.	PHONE 201-791-0075	COMPANY DAY ENGINEERING, P.C.	PHONE 585-454-0210	LAB PROJECT #:
NAME AMIT GARG.	FAX 201-791-4533	NAME RAY KAMPFF	FAX 585-454-0825	
ADDRESS 611 RIVER DRIVE, 3rd Floor.		ADDRESS 40 COMMERCIAL STREET		TURNAROUND TIME:
CITY/ST/ZIP ELMWOOD PARK, NJ-07407		CITY/ST/ZIP ROCHESTER, NY-14614		

CLIENT PROJECT NAME: METRO NORTH - DOREL HAT

CLIENT PROJECT #:

CLIENT P.O.#:

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: STARS VOCs	TCL SVOCs	TOTAL CYANIDE	pH	REACTIVITY	IGNITABILITY	TCLP VOCs	TCLP SVOCs	TCL VOCs	STARS SVOCs	COMMENTS
TB206-9	05/18/06 11:45 AM				✓			5	✓	✓	✓	✓	✓	✓	✓	✓			
TB207-9.5	9:00 AM				✓			5	✓	✓	✓	✓	✓	✓	✓	✓			
TB208-9	10:45 AM				✓			5	✓	✓	✓	✓	✓	✓	✓	✓			
TB209-9	1:30 PM				✓			5	✓	✓	✓	✓	✓	✓	✓	✓			
TB210-9	2:30 PM				✓			5	✓	✓	✓	✓	✓	✓	✓	✓			
MW103	5:45 PM			✓				5	✓	✓							✓	✓	
	/																		
	/																		
	/																		
	/																		
	/																		
	/																		

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	AMIT GARG.	05/19/06 12:30 PM		/		
		/		/		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

APPENDIX C

LABORATORY RESULTS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB204-8.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-05C

Sample wt/vol: 2.6 (g/mL) G Lab File ID: V1H5472

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. 29 Date Analyzed: 05/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1634-04-4	Methyl tert-butyl ether	14	U
71-43-2	Benzene	640	E
108-88-3	Toluene	2000	E
100-41-4	Ethylbenzene	1300	E
----------	m,p-Xylene	5200	E
95-47-6	o-Xylene	2800	E
1330-20-7	Xylene (Total)	8100	E
98-82-8	Isopropylbenzene	110	
103-65-1	n-Propylbenzene	51	
108-67-8	1,3,5-Trimethylbenzene	1600	E
95-63-6	1,2,4-Trimethylbenzene	2400	E
135-98-8	sec-Butylbenzene	14	U
99-87-6	4-Isopropyltoluene	50	
104-51-8	n-Butylbenzene	14	U
91-20-3	Naphthalene	12000	EB

PRELIMINARY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB205-6.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-06B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1H5535

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. 18 Date Analyzed: 05/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1634-04-4	Methyl tert-butyl ether	6	U
71-43-2	Benzene	6	U
108-88-3	Toluene	6	U
100-41-4	Ethylbenzene	6	U
----------	m,p-Xylene	6	U
95-47-6	o-Xylene	6	U
1330-20-7	Xylene (Total)	6	U
98-82-8	Isopropylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
104-51-8	n-Butylbenzene	6	U
91-20-3	Naphthalene	4	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB206-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-08C

Sample wt/vol: 2.5 (g/mL) G Lab File ID: V1H5474

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. 35 Date Analyzed: 05/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1634-04-4	Methyl tert-butyl ether	15	U
71-43-2	Benzene	1800	E
108-88-3	Toluene	3000	E
100-41-4	Ethylbenzene	3600	E
----------	m,p-Xylene	7800	E
95-47-6	o-Xylene	5500	E
1330-20-7	Xylene (Total)	13000	E
98-82-8	Isopropylbenzene	610	
103-65-1	n-Propylbenzene	140	
108-67-8	1,3,5-Trimethylbenzene	3100	E
95-63-6	1,2,4-Trimethylbenzene	4100	E
135-98-8	sec-Butylbenzene	15	U
99-87-6	4-Isopropyltoluene	220	
104-51-8	n-Butylbenzene	15	U
91-20-3	Naphthalene	18000	EB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB207-9.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-09C

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V1H5475

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. 3 Date Analyzed: 05/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1634-04-4	Methyl tert-butyl ether	5	U
71-43-2	Benzene	2700	E
108-88-3	Toluene	3300	E
100-41-4	Ethylbenzene	6000	E
----------	m,p-Xylene	12000	E
95-47-6	o-Xylene	8900	E
1330-20-7	Xylene (Total)	21000	E
98-82-8	Isopropylbenzene	380	E
103-65-1	n-Propylbenzene	710	E
108-67-8	1,3,5-Trimethylbenzene	6300	E
95-63-6	1,2,4-Trimethylbenzene	8100	E
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	400	E
104-51-8	n-Butylbenzene	5	U
91-20-3	Naphthalene	22000	BE

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB208-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-10C

Sample wt/vol: 2.5 (g/mL) G Lab File ID: V1H5478

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. 28 Date Analyzed: 05/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1634-04-4	Methyl tert-butyl ether	14	U
71-43-2	Benzene	150	
108-88-3	Toluene	370	
100-41-4	Ethylbenzene	60	
----------	m,p-Xylene	680	
95-47-6	o-Xylene	260	
1330-20-7	Xylene (Total)	940	
98-82-8	Isopropylbenzene	8	J
103-65-1	n-Propylbenzene	6	J
108-67-8	1,3,5-Trimethylbenzene	170	
95-63-6	1,2,4-Trimethylbenzene	400	
135-98-8	sec-Butylbenzene	14	U
99-87-6	4-Isopropyltoluene	5	J
104-51-8	n-Butylbenzene	14	U
91-20-3	Naphthalene	5300	EB

PRELIMINARY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB209-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-11C

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1H5536

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. 20 Date Analyzed: 05/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1634-04-4	Methyl tert-butyl ether	6	U
71-43-2	Benzene	6	U
108-88-3	Toluene	6	U
100-41-4	Ethylbenzene	6	U
----------	m,p-Xylene	6	U
95-47-6	o-Xylene	6	U
1330-20-7	Xylene (Total)	6	U
98-82-8	Isopropylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
104-51-8	n-Butylbenzene	6	U
91-20-3	Naphthalene	27	

PRELIMINARY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB210-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-12C

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1H5537

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. 33 Date Analyzed: 05/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1634-04-4	Methyl tert-butyl ether	7	U
71-43-2	Benzene	7	U
108-88-3	Toluene	7	U
100-41-4	Ethylbenzene	7	U
----------	m,p-Xylene	7	U
95-47-6	o-Xylene	7	U
1330-20-7	Xylene (Total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8	1,3,5-Trimethylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
104-51-8	n-Butylbenzene	7	U
91-20-3	Naphthalene	5	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW103

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-13B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2E8000

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	240	E
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	360	E
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	540	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	730	E
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	100	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	72	
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	70	

PRELIMINARY

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW103

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-13B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2E8000

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	31	
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	26	
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	48	
120-12-7	Anthracene	9	J
86-74-8	Carbazole	29	
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	
129-00-0	Pyrene	9	J
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	2	J
218-01-9	Chrysene	3	J
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	2	J
207-08-9	Benzo(k)fluoranthene	1	J
50-32-8	Benzo(a)pyrene	2	J
193-39-5	Indeno(1,2,3-cd)pyrene	1	J
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	1	J

(1) - Cannot be separated from Diphenylamine

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB204-8.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-05A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S2E8002

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 29 decanted: (Y/N) N Date Extracted:05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	77	J
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	90	J
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	100	J
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	21000	E
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	10000	E
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	460	U
208-96-8	Acenaphthylene	11000	E
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	4900	

PRELIMINARY

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB204-8.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-05A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S2E8002

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	10000	E
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	12000	E
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	36000	E
120-12-7	Anthracene	36000	E
86-74-8	Carbazole	9600	E
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	21000	E
129-00-0	Pyrene	23000	E
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	15000	E
218-01-9	Chrysene	17000	E
117-81-7	bis(2-Ethylhexyl)phthalate	460	U
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	12000	E
207-08-9	Benzo(k)fluoranthene	6800	
50-32-8	Benzo(a)pyrene	11000	E
193-39-5	Indeno(1,2,3-cd)pyrene	4500	
53-70-3	Dibenzo(a,h)anthracene	1800	
191-24-2	Benzo(g,h,i)perylene	4100	

(1) - Cannot be separated from Diphenylamine

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB205-6.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-06A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S2E7997

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 18 decanted: (Y/N) N Date Extracted:05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	140	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	810	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	810	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	810	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB205-6.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-06A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S2E7997

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 18 decanted: (Y/N) N Date Extracted:05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	810	U
100-02-7	4-Nitrophenol	810	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	810	U
534-52-1	4,6-Dinitro-2-methylphenol	810	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	47	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	200	J
129-00-0	Pyrene	160	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	110	J
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	47	J
50-32-8	Benzo(a)pyrene	90	J
193-39-5	Indeno(1,2,3-cd)pyrene	55	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	64	J

(1) - Cannot be separated from Diphenylamine

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB206-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-08A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S2E8001

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 35 decanted: (Y/N) N Date Extracted: 05/25/06

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	25000	U
111-44-4	bis(2-Chloroethyl)Ether	25000	U
95-57-8	2-Chlorophenol	25000	U
541-73-1	1,3-Dichlorobenzene	25000	U
106-46-7	1,4-Dichlorobenzene	25000	U
95-50-1	1,2-Dichlorobenzene	25000	U
95-48-7	2-Methylphenol	25000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	25000	U
106-44-5	4-Methylphenol	2600	J
621-64-7	N-Nitroso-di-n-propylamine	25000	U
67-72-1	Hexachloroethane	25000	U
98-95-3	Nitrobenzene	25000	U
78-59-1	Isophorone	25000	U
88-75-5	2-Nitrophenol	25000	U
105-67-9	2,4-Dimethylphenol	2800	J
120-83-2	2,4-Dichlorophenol	25000	U
120-82-1	1,2,4-Trichlorobenzene	25000	U
91-20-3	Naphthalene	1300000	E
106-47-8	4-Chloroaniline	25000	U
87-68-3	Hexachlorobutadiene	25000	U
111-91-1	bis(2-Chloroethoxy)methane	25000	U
59-50-7	4-Chloro-3-Methylphenol	25000	U
91-57-6	2-Methylnaphthalene	490000	E
77-47-4	Hexachlorocyclopentadiene	25000	U
88-06-2	2,4,6-Trichlorophenol	25000	U
95-95-4	2,4,5-Trichlorophenol	52000	U
91-58-7	2-Chloronaphthalene	25000	U
88-74-4	2-Nitroaniline	52000	U
131-11-3	Dimethylphthalate	25000	U
208-96-8	Acenaphthylene	410000	E
606-20-2	2,6-Dinitrotoluene	25000	U
99-09-2	3-Nitroaniline	52000	U
83-32-9	Acenaphthene	320000	

PRELIMINARY

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB206-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-08A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S2E8001

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 35 decanted: (Y/N) N Date Extracted:05/25/06

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	52000	U
100-02-7	4-Nitrophenol	52000	U
132-64-9	Dibenzofuran	430000	E
121-14-2	2,4-Dinitrotoluene	25000	U
84-66-2	Diethylphthalate	25000	U
7005-72-3	4-Chlorophenyl-phenylether	25000	U
86-73-7	Fluorene	500000	E
100-01-6	4-Nitroaniline	52000	U
534-52-1	4,6-Dinitro-2-methylphenol	52000	U
86-30-6	N-Nitrosodiphenylamine (1)	25000	U
101-55-3	4-Bromophenyl-phenylether	25000	U
118-74-1	Hexachlorobenzene	25000	U
87-86-5	Pentachlorophenol	52000	U
85-01-8	Phenanthrene	1200000	E
120-12-7	Anthracene	480000	E
86-74-8	Carbazole	240000	
84-74-2	Di-n-butylphthalate	25000	U
206-44-0	Fluoranthene	770000	E
129-00-0	Pyrene	840000	E
85-68-7	Butylbenzylphthalate	25000	U
91-94-1	3,3'-Dichlorobenzidine	25000	U
56-55-3	Benzo(a)anthracene	540000	E
218-01-9	Chrysene	510000	E
117-81-7	bis(2-Ethylhexyl)phthalate	25000	U
117-84-0	Di-n-octylphthalate	25000	U
205-99-2	Benzo(b)fluoranthene	480000	E
207-08-9	Benzo(k)fluoranthene	200000	
50-32-8	Benzo(a)pyrene	390000	
193-39-5	Indeno(1,2,3-cd)pyrene	160000	
53-70-3	Dibenzo(a,h)anthracene	65000	
191-24-2	Benzo(g,h,i)perylene	150000	

(1) - Cannot be separated from Diphenylamine

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB207-9.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-09A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2E8003

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 52 decanted: (Y/N) N Date Extracted:05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	260	J
111-44-4	bis(2-Chloroethyl)Ether	680	U
95-57-8	2-Chlorophenol	680	U
541-73-1	1,3-Dichlorobenzene	680	U
106-46-7	1,4-Dichlorobenzene	680	U
95-50-1	1,2-Dichlorobenzene	680	U
95-48-7	2-Methylphenol	170	J
108-60-1	2,2'-oxybis(1-Chloropropane)	680	U
106-44-5	4-Methylphenol	370	J
621-64-7	N-Nitroso-di-n-propylamine	680	U
67-72-1	Hexachloroethane	680	U
98-95-3	Nitrobenzene	680	U
78-59-1	Isophorone	680	U
88-75-5	2-Nitrophenol	680	U
105-67-9	2,4-Dimethylphenol	1900	
120-83-2	2,4-Dichlorophenol	680	U
120-82-1	1,2,4-Trichlorobenzene	680	U
91-20-3	Naphthalene	37000	E
106-47-8	4-Chloroaniline	680	U
87-68-3	Hexachlorobutadiene	680	U
111-91-1	bis(2-Chloroethoxy)methane	680	U
59-50-7	4-Chloro-3-Methylphenol	680	U
91-57-6	2-Methylnaphthalene	17000	E
77-47-4	Hexachlorocyclopentadiene	680	U
88-06-2	2,4,6-Trichlorophenol	680	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	680	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	680	U
208-96-8	Acenaphthylene	15000	E
606-20-2	2,6-Dinitrotoluene	680	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	5600	

PRELIMINARY

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB207-9.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-09A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2E8003

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 52 decanted: (Y/N) N Date Extracted: 05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	14000	E
121-14-2	2,4-Dinitrotoluene	680	U
84-66-2	Diethylphthalate	680	U
7005-72-3	4-Chlorophenyl-phenylether	680	U
86-73-7	Fluorene	16000	E
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	680	U
101-55-3	4-Bromophenyl-phenylether	680	U
118-74-1	Hexachlorobenzene	680	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	39000	E
120-12-7	Anthracene	18000	E
86-74-8	Carbazole	14000	E
84-74-2	Di-n-butylphthalate	680	U
206-44-0	Fluoranthene	22000	E
129-00-0	Pyrene	27000	E
85-68-7	Butylbenzylphthalate	680	U
91-94-1	3,3'-Dichlorobenzidine	680	U
56-55-3	Benzo(a)anthracene	15000	E
218-01-9	Chrysene	17000	E
117-81-7	bis(2-Ethylhexyl)phthalate	680	U
117-84-0	Di-n-octylphthalate	680	U
205-99-2	Benzo(b)fluoranthene	13000	E
207-08-9	Benzo(k)fluoranthene	5200	
50-32-8	Benzo(a)pyrene	10000	
193-39-5	Indeno(1,2,3-cd)pyrene	4400	
53-70-3	Dibenzo(a,h)anthracene	1800	
191-24-2	Benzo(g,h,i)perylene	4100	

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB208-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-10A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S2E8004

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/25/06

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4500	U
111-44-4	bis(2-Chloroethyl)Ether	4500	U
95-57-8	2-Chlorophenol	4500	U
541-73-1	1,3-Dichlorobenzene	4500	U
106-46-7	1,4-Dichlorobenzene	4500	U
95-50-1	1,2-Dichlorobenzene	4500	U
95-48-7	2-Methylphenol	480	J
108-60-1	2,2'-oxybis(1-Chloropropane)	4500	U
106-44-5	4-Methylphenol	810	J
621-64-7	N-Nitroso-di-n-propylamine	4500	U
67-72-1	Hexachloroethane	4500	U
98-95-3	Nitrobenzene	4500	U
78-59-1	Isophorone	4500	U
88-75-5	2-Nitrophenol	4500	U
105-67-9	2,4-Dimethylphenol	6400	
120-83-2	2,4-Dichlorophenol	4500	U
120-82-1	1,2,4-Trichlorobenzene	4500	U
91-20-3	Naphthalene	390000	E
106-47-8	4-Chloroaniline	4500	U
87-68-3	Hexachlorobutadiene	4500	U
111-91-1	bis(2-Chloroethoxy)methane	4500	U
59-50-7	4-Chloro-3-Methylphenol	4500	U
91-57-6	2-Methylnaphthalene	150000	E
77-47-4	Hexachlorocyclopentadiene	4500	U
88-06-2	2,4,6-Trichlorophenol	4500	U
95-95-4	2,4,5-Trichlorophenol	9200	U
91-58-7	2-Chloronaphthalene	4500	U
88-74-4	2-Nitroaniline	9200	U
131-11-3	Dimethylphthalate	4500	U
208-96-8	Acenaphthylene	120000	E
606-20-2	2,6-Dinitrotoluene	4500	U
99-09-2	3-Nitroaniline	9200	U
83-32-9	Acenaphthene	52000	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB208-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-10A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S2E8004

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 28 decanted: (Y/N) N Date Extracted:05/25/06

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9200	U
100-02-7	4-Nitrophenol	9200	U
132-64-9	Dibenzofuran	100000	E
121-14-2	2,4-Dinitrotoluene	4500	U
84-66-2	Diethylphthalate	4500	U
7005-72-3	4-Chlorophenyl-phenylether	4500	U
86-73-7	Fluorene	120000	E
100-01-6	4-Nitroaniline	9200	U
534-52-1	4,6-Dinitro-2-methylphenol	9200	U
86-30-6	N-Nitrosodiphenylamine (1)	4500	U
101-55-3	4-Bromophenyl-phenylether	4500	U
118-74-1	Hexachlorobenzene	4500	U
87-86-5	Pentachlorophenol	9200	U
85-01-8	Phenanthrene	310000	E
120-12-7	Anthracene	94000	E
86-74-8	Carbazole	64000	
84-74-2	Di-n-butylphthalate	4500	U
206-44-0	Fluoranthene	190000	E
129-00-0	Pyrene	240000	E
85-68-7	Butylbenzylphthalate	4500	U
91-94-1	3,3'-Dichlorobenzidine	4500	U
56-55-3	Benzo(a)anthracene	150000	E
218-01-9	Chrysene	140000	E
117-81-7	bis(2-Ethylhexyl)phthalate	4500	U
117-84-0	Di-n-octylphthalate	4500	U
205-99-2	Benzo(b)fluoranthene	120000	E
207-08-9	Benzo(k)fluoranthene	60000	
50-32-8	Benzo(a)pyrene	100000	E
193-39-5	Indeno(1,2,3-cd)pyrene	43000	
53-70-3	Dibenzo(a,h)anthracene	18000	
191-24-2	Benzo(g,h,i)perylene	42000	

(1) - Cannot be separated from Diphenylamine

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB209-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-11A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S2E7998

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 20 decanted: (Y/N) N Date Extracted: 05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	620	
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	85	J
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	43	J
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	240	J

PRELIMINARY

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB209-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-11A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S2E7998

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 20 decanted: (Y/N) N Date Extracted: 05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	140	J
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	190	J
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	780	
120-12-7	Anthracene	290	J
86-74-8	Carbazole	200	J
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	750	
129-00-0	Pyrene	620	
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	240	J
218-01-9	Chrysene	290	J
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	200	J
207-08-9	Benzo(k)fluoranthene	88	J
50-32-8	Benzo(a)pyrene	170	J
193-39-5	Indeno(1,2,3-cd)pyrene	78	J
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	83	J

(1) - Cannot be separated from Diphenylamine

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB210-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-12A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2E7999

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 33 decanted: (Y/N) N Date Extracted:05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	490	U
111-44-4	bis(2-Chloroethyl)Ether	490	U
95-57-8	2-Chlorophenol	490	U
541-73-1	1,3-Dichlorobenzene	490	U
106-46-7	1,4-Dichlorobenzene	490	U
95-50-1	1,2-Dichlorobenzene	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490	U
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-di-n-propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
120-83-2	2,4-Dichlorophenol	490	U
120-82-1	1,2,4-Trichlorobenzene	490	U
91-20-3	Naphthalene	85	J
106-47-8	4-Chloroaniline	490	U
87-68-3	Hexachlorobutadiene	490	U
111-91-1	bis(2-Chloroethoxy)methane	490	U
59-50-7	4-Chloro-3-Methylphenol	490	U
91-57-6	2-Methylnaphthalene	490	U
77-47-4	Hexachlorocyclopentadiene	490	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	990	U
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	490	U
208-96-8	Acenaphthylene	490	U
606-20-2	2,6-Dinitrotoluene	490	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	570	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB210-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) SOIL Lab Sample ID: E0658-12A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2E7999

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: 33 decanted: (Y/N) N Date Extracted:05/25/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	80	J
121-14-2	2,4-Dinitrotoluene	490	U
84-66-2	Diethylphthalate	490	U
7005-72-3	4-Chlorophenyl-phenylether	490	U
86-73-7	Fluorene	150	J
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	490	U
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	300	J
86-74-8	Carbazole	130	J
84-74-2	Di-n-butylphthalate	490	U
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	870	
85-68-7	Butylbenzylphthalate	490	U
91-94-1	3,3'-Dichlorobenzidine	490	U
56-55-3	Benzo(a)anthracene	490	
218-01-9	Chrysene	680	
117-81-7	bis(2-Ethylhexyl)phthalate	490	U
117-84-0	Di-n-octylphthalate	490	U
205-99-2	Benzo(b)fluoranthene	450	J
207-08-9	Benzo(k)fluoranthene	220	J
50-32-8	Benzo(a)pyrene	350	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
53-70-3	Dibenzo(a,h)anthracene	75	J
191-24-2	Benzo(g,h,i)perylene	150	J

(1) - Cannot be separated from Diphenylamine

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB204-8.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-05C

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2H5152

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. _____ Date Analyzed: 05/30/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	5	U
75-35-4	1,1-Dichloroethene	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	3	J
79-01-6	Trichloroethene	2	J
127-18-4	Tetrachloroethene	3	J
108-90-7	Chlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB206-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-08C

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2H5153

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. _____ Date Analyzed: 05/30/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	5	U
75-35-4	1,1-Dichloroethene	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	160	
79-01-6	Trichloroethene	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U

PRELIMINARY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB207-9.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-09C

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2H5154

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. _____ Date Analyzed: 05/30/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	5	U
75-35-4	1,1-Dichloroethene	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	88	
79-01-6	Trichloroethene	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB208-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-10C

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2H5177

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. _____ Date Analyzed: 05/31/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	5	U
75-35-4	1,1-Dichloroethene	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	6	
79-01-6	Trichloroethene	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB209-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-11C

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2H5179

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. _____ Date Analyzed: 05/31/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	5	U
75-35-4	1,1-Dichloroethene	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB210-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-12C

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2H5180

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. _____ Date Analyzed: 05/31/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	5	U
75-35-4	1,1-Dichloroethene	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB204-8.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-05A

Sample wt/vol: 300.0 (g/mL) ML Lab File ID: S1E8478

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:05/26/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/31/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	3	J
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
51-28-5	2,4-Dinitrophenol	67	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB206-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-08A

Sample wt/vol: 300.0 (g/mL) ML Lab File ID: S1E8479

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:05/26/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/31/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	4	J
106-44-5	4-Methylphenol	7	J
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
51-28-5	2,4-Dinitrophenol	67	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB207-9.5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-09A

Sample wt/vol: 300.0 (g/mL) ML Lab File ID: S1E8480

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:05/26/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/31/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	6	J
106-44-5	4-Methylphenol	10	J
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
51-28-5	2,4-Dinitrophenol	67	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB208-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-10A

Sample wt/vol: 300.0 (g/mL) ML Lab File ID: S1E8481

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:05/26/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/31/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	8	J
106-44-5	4-Methylphenol	12	J
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
51-28-5	2,4-Dinitrophenol	67	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB209-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-11A

Sample wt/vol: 300.0 (g/mL) ML Lab File ID: S1E8482

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:05/26/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/31/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
51-28-5	2,4-Dinitrophenol	67	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB210-9

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-12A

Sample wt/vol: 300.0 (g/mL) ML Lab File ID: S1E8483

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:05/26/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
106-44-5	4-Methylphenol	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	67	U
51-28-5	2,4-Dinitrophenol	67	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	67	U
110-86-1	Pyridine	33	U

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TB204-8.5

Lab Name: Mitkem Corporation Contract: -

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0658

Matrix (soil/water): SOIL Lab Sample ID: E0658-05

Level (low/med): MED Date Received: 05/20/06

% Solids: 71.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	3.2		N	CA

Comments:

PRELIMINARY

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TB205-6.5

Lab Name: Mitkem Corporation Contract: -

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0658

Matrix (soil/water): SOIL Lab Sample ID: E0658-06

Level (low/med): MED Date Received: 05/20/06

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.13	U	N	CA

Comments:

PRELIMINARY

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TB206-9

Lab Name: Mitkem Corporation Contract: -

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0658

Matrix (soil/water): SOIL Lab Sample ID: E0658-08

Level (low/med): MED Date Received: 05/20/06

% Solids: 65.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	2.5		N	CA

Comments:

PRELIMINARY

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TB207-9.5

Lab Name: Mitkem Corporation Contract: -

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0658

Matrix (soil/water): SOIL Lab Sample ID: E0658-09

Level (low/med): MED Date Received: 05/20/06

% Solids: 48.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.54	B	N	CA

Comments:

PRELIMINARY

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TB208-9

Lab Name: Mitkem Corporation Contract: -

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0658

Matrix (soil/water): SOIL Lab Sample ID: E0658-10

Level (low/med): MED Date Received: 05/20/06

% Solids: 72.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	4.7		N	CA

Comments:

PRELIMINARY

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TB209-9

Lab Name: Mitkem Corporation Contract: -

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0658

Matrix (soil/water): SOIL Lab Sample ID: E0658-11

Level (low/med): MED Date Received: 05/20/06

% Solids: 80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	2.2		N	CA

Comments:

PRELIMINARY

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

TB210-9

Lab Name: Mitkem Corporation Contract: -

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0658

Matrix (soil/water): SOIL Lab Sample ID: E0658-12

Level (low/med): MED Date Received: 05/20/06

% Solids: 67.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.15	U	N	CA

Comments:

PRELIMINARY

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW103

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2H5181

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. _____ Date Analyzed: 05/31/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	6	
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	360	E
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	240	E
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW103

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0658

Matrix: (soil/water) WATER Lab Sample ID: E0658-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2H5181

Level: (low/med) LOW Date Received: 05/20/06

% Moisture: not dec. _____ Date Analyzed: 05/31/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	10	
----------	m,p-Xylene	120	
95-47-6	o-Xylene	55	
1330-20-7	Xylene (Total)	170	
100-42-5	Styrene	17	
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	12	
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	29	
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	410	E
87-61-6	1,2,3-Trichlorobenzene	5	U

PRELIMINARY

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB204-8.5
Lab ID: E0658-05

Project: Beacon
Collection Date: 05/18/06 12:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.4	mg/Kg	1	05/27/2006 16:29	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	1700		140	mg/Kg	100	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	10		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB206-9
Lab ID: E0658-08

Project: Beacon
Collection Date: 05/18/06 11:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.5	mg/Kg	1	05/27/2006 16:31	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	890		76	mg/Kg	50	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	10		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB207-9.5
Lab ID: E0658-09

Project: Beacon
Collection Date: 05/18/06 9:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		2.1	mg/Kg	1	05/27/2006 16:34	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	3500		410	mg/Kg	200	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	9.8		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB208-9
Lab ID: E0658-10

Project: Beacon
Collection Date: 05/18/06 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.4	mg/Kg	1	05/27/2006 16:36	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	890		69	mg/Kg	50	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	9.0		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB209-9
Lab ID: E0658-11

Project: Beacon
Collection Date: 05/18/06 13:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.2	mg/Kg	1	05/27/2006 16:44	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	460		62	mg/Kg	50	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	9.5		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB210-9
Lab ID: E0658-12
Project: Beacon
Collection Date: 05/18/06 14:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.5	mg/Kg	1	05/27/2006 16:46	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	270		74	mg/Kg	50	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	7.2		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB204-8.5
Lab ID: E0658-05
Project: Beacon
Collection Date: 05/18/06 12:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
FLASHPOINT BY PENSKY-MARTENS CLOSED-CUP METHOD				**SW1010_S**			
Ignitability	No flash at 140.		200	°F	1	06/02/2006 12:00	R16270
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.4	mg/Kg	1	05/27/2006 16:29	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	1700		140	mg/Kg	100	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	10		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB206-9
Lab ID: E0658-08
Project: Beacon
Collection Date: 05/18/06 11:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
FLASHPOINT BY PENSKY-MARTENS CLOSED-CUP METHOD				**SW1010_S**			
Ignitability	No flash at 140.		200	°F	1	06/02/2006 12:00	R16270
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.5	mg/Kg	1	05/27/2006 16:31	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	890		76	mg/Kg	50	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	10		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB207-9.5
Lab ID: E0658-09
Project: Beacon
Collection Date: 05/18/06 9:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
FLASHPOINT BY PENSKY-MARTENS CLOSED-CUP METHOD				**SW1010_S**			
Ignitability	No flash at 140.		200	°F	1	06/02/2006 12:00	R16270
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		2.1	mg/Kg	1	05/27/2006 16:34	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	3500		410	mg/Kg	200	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	9.8		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB208-9
Lab ID: E0658-10
Project: Beacon
Collection Date: 05/18/06 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
FLASHPOINT BY PENSKY-MARTENS CLOSED-CUP METHOD				**SW1010_S**			
Ignitability	No flash at 140.		200	°F	1	06/02/2006 12:00	R16270
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.4	mg/Kg	1	05/27/2006 16:36	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	890		69	mg/Kg	50	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	9.0		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB209-9
Lab ID: E0658-11
Project: Beacon
Collection Date: 05/18/06 13:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
FLASHPOINT BY PENSKY-MARTENS CLOSED-CUP METHOD				**SW1010_S**			
Ignitability	No flash at 140.		200	°F	1	06/02/2006 12:00	R16270
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.2	mg/Kg	1	05/27/2006 16:44	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	460		62	mg/Kg	50	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	9.5		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *05-Jun-06*

Client: Day Environmental, Inc.
Client Sample ID: TB210-9
Lab ID: E0658-12
Project: Beacon
Collection Date: 05/18/06 14:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
FLASHPOINT BY PENSKY-MARTENS CLOSED-CUP METHOD				**SW1010_S**			
Ignitability	No Flash at 140.		200	°F	1	06/02/2006 12:00	R16270
REACTIVE CYANIDE RELEASED FROM WASTES				**SW7.3.3.2_S**			
Reactive Cyanide	ND		1.5	mg/Kg	1	05/27/2006 16:46	23905
REACTIVE SULFIDE RELEASED FROM WASTES				**SW7.3.4.2_S**			
Reactive Sulfide	270		74	mg/Kg	50	05/26/2006 17:14	23911
SOIL AND WASTE PH				**SW9045C_S**			
pH	7.2		1.0	S.U.	1	05/31/2006 12:00	R16193

Qualifiers:

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J - Analyte detected below quantitation limits
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DF - Dilution Factor
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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Attachment 3

NYSDOH Generic Community Air Monitoring Plan

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New York State Department of Health
Generic Community Air Monitoring Plan

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical-specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate NYSDEC/NYSDOH staff.

Continuous monitoring will be required for all <u>ground intrusive</u> activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a **continuous** basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored **continuously** at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings must be recorded and be available for State (DEC and DOH) personnel to review.

June 20, 2000

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