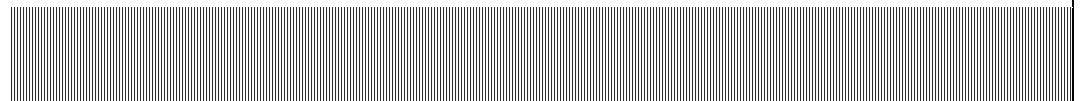


New York State Department of Environmental Conservation
625 Broadway • Albany NY 12233

**Hauppauge Area-Wide Groundwater Study
Site # 1-52-221
Smithtown, New York
Work Assignment # D004439-20**

Project Management Work Plan

July 2008



Report Prepared By:

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**MALCOLM
PIRNIE**

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1. Introduction

1.1. Objective

The New York State Department of Environmental Conservation (NYSDEC) has issued a Site Characterization Work Assignment for an area in the vicinity of the Heartland Industrial Park (Site# 1-52-221), located in the hamlet of Hauppauge in the Town of Smithtown, Suffolk County, New York (Site). Malcolm Pirnie, Inc. (Malcolm Pirnie) has prepared this proposed Project Management Work Plan (PMWP) following acceptance of the Work Assignment.

The Site Characterization includes a records search and site reconnaissance to evaluate whether contaminants have been historically, or are currently being used, stored, or handled at the properties within the Hauppauge Area-Wide Groundwater Study. The Site Characterization will also include field characterization activities that will be performed to evaluate the nature and extent of contamination present at the Site, to evaluate the extent that contaminants present at the Site may pose a risk to human health and the environment, and to use in the determination of which, if any, properties should be listed on the Registry of Inactive Hazardous Waste Disposal Sites (Registry). Work performed under the Site Characterization will include a review of previously documented work and investigations at the site and surrounding areas, development of a base map to use during this and subsequent investigations, the preparation of a Records Search, Geophysical Survey, Site Reconnaissance, and Site Characterization Report following the completion of corresponding Site Characterization activities.

This PMWP includes a Technical Scope of Work (TSW), a site-specific project plan for health and safety plan, and a generic project plan for quality assurance. The scope of work for the Site Characterization field activities, including the estimated number of environmental samples, method of sampling, and type of analysis are also provided in this PMWP. This PMWP also provides an estimated Work Assignment budget and schedule for completion.

1.2. Site Description and History

The Site is located in the vicinity of the Heartland Industrial Park located in the hamlet of Hauppauge, Town of Smithtown, Suffolk County, New York (Figure 1). The Site is bound to the north by Northern State Parkway and Veteran's Memorial Highway, to the south by the Long Island Expressway, to the west by Vanderbilt Motor Parkway, and to

the east by Old Willet's Path. The Site has been historically used for various manufacturing/industrial uses. As the area is an industrial park, the types and locations of businesses have changed numerous times over the years. There are two known properties in the vicinity that are currently undergoing remediation.

1.3. Site Geology and Hydrogeology

The upper approximately 200 feet of overburden is the Upper Pleistocene formation, which is composed of sand, gravel, and boulders with occasional silt and clay lenses. Below the Upper Pleistocene is a deposit of gray and white silty sand and gravel with lenses of coarse sand and clay known as the Magothy Formation. Below the Magothy Formation are the Raritan Clay and the Lloyd Sand Members. Bedrock is approximately 1,200 feet bgs.

Localized lenses of fine sand, silt, and/or clay have been documented at several locations at the site. A layer of clay was found between the Upper Pleistocene and the Magothy Formations. The thickness of the clay layer varied across the area from approximately six inches to five feet.

Two primary aquifers are located in the region: the Upper Pleistocene or Upper Glacial Aquifer and the Magothy Aquifer. The site is located north of the Ronkonkoma terminal moraine, which corresponds to a groundwater divide on Long Island.

2. Proposed Scope of Work

As requested in the Work Assignment, Malcolm Pirnie has prepared this PMWP to present its proposed technical scope of services, project budget, staffing plan and schedule of work for the Hauppauge Area-Wide Groundwater Study. This PMWP summarizes the scope of work, and includes descriptions of the following tasks:

- Task 1: Develop a Detailed Project Management Work Plan
- Task 2: Records Search, Site Reconnaissance, and Survey Property
- Task 3: Environmental Sampling and Analyses – Soil and Groundwater
- Task 4: Site Characterization Report

2.1. Task 1: Develop a Detailed Project Management Work Plan

Malcolm Pirnie has developed and is submitting to the NYSDEC for review and approval this PMWP, which includes the following:

- The complete Technical Scope of Work (TSW), which provides a summary of proposed field activities (Appendix A).
- A complete estimated budget for the Work Assignment (Appendix B), which includes a complete set of 2.11 Schedules, details and backup for costs associated with the Work Assignment, and estimates for subcontracted services.
- A proposed progress schedule indicating key milestones and deliverables (Section 4).
- A project staffing plan identifying key management and technical staff to be assigned to each work element, along with their areas of responsibility (Section 5).
- Identification of potential areas for subcontracting (Section 5).
- Proposed Minority-owned and Women-owned Business Enterprise (MBE/WBE) and Equal Employment Opportunity (EEO) participation (Section 6).
- Project Plans that summarize the activities to be performed in conjunction with this Work Assignment (Section 7 and Appendices).
- A Data Usability Summary Report (DUSR) will be prepared for the groundwater, soil, and soil vapor samples that are anticipated to be collected during the Work Assignment.

Malcolm Pirnie will visit the Site with the NYSDEC Project Manager to gain familiarity with the Site and adjacent properties. A site map identifying the site area and investigation boundaries has been provided to Malcolm Pirnie by the NYSDEC (Figure 2).

2.2. Task 2: Records Search, Site Reconnaissance, and Survey Property

Malcolm Pirnie will complete the required technical scope of work for the Site Characterization, including the historical review of available information on the nature and extent of contamination at the properties in the Hauppauge Area-Wide Groundwater Study. This information will assist in recommending properties that should be characterized to determine if they should be placed on the Registry of Inactive Hazardous Waste Disposal Sites.

Malcolm Pirnie will perform the Site reconnaissance during the Site visit under Task 1 (Section 2.1.1)

2.2.1. Records Search

To provide a review of the Site and the surrounding areas, the regulatory status of properties in the assessment area will be reviewed through a database search conducted by a subcontracted database research company. The database search will include all of the properties within the Hauppauge Area-Wide Groundwater Study. The following databases will be reviewed:

- NPL (National Priorities List);
- CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System);
- RCRA TSD (Resource Conservation and Recovery Act Treatment Storage and Disposal facilities);
- RCRA Generators;
- ERNS (Emergency Response and Notification System);
- Delisted NPL;
- CORRACTS (Corrective Action Reports);
- RAATS (RCRA Administrative Action Tracking System);
- HMIRS (Hazardous Materials Information Reporting System);
- PADS (PCB (Polychlorinated Biphenyls) Activity Database System);
- TRIS (Toxic Chemical Release Inventory System);

- FINDS (Facility Index System);
- NPL Liens;
- TSCA (Toxic Substances Control Act);
- MLTS (Material Licensing Tracking System);
- SHWS (State List of Hazardous Waste Sites);
- SWF/LF (Solid Waste Facilities and Landfills);
- LUSTs (State List of Leaking Underground Storage Tanks); and
- USTs (State List of Registered Underground Storage Tanks).

Malcolm Pirnie will also review readily available data and sources of information to evaluate current and historic site ownership, chemical use and any disposal activity in the characterization area. These information sources will include the following items:

- **State of New York Geographic Information Systems (GIS) Databases:** The State of New York has extensive web-based GIS database detailing land uses throughout the State. These databases will be reviewed to obtain background information and to help identify land uses that may be related to environmental concerns.
- **Aerial Photographs:** Historical aerial photographs that are available of the site will be reviewed. Specific attention will be paid to areas of building construction/demolition, areas with visible surface soil disturbance, disposal and/or retention areas, and the presence of storage tanks and/or fueling areas. Specific attention will also be given to areas that may have been filled or altered during the time interval between the photographs.
- **Sanborn® Fire Insurance Maps:** Sanborn maps will be obtained and reviewed to provide a history of industrial development and land use at the site by documenting the number, type, and use of buildings and other structures in the investigation area.
- **City Directories:** If available, city directories will be reviewed to evaluate property uses on and around the site.
- **Tax Maps and Files:** Tax maps and files for the properties comprising the Hauppauge Area-Wide Groundwater Study will be reviewed to evaluate property ownership at the site.
- **Building Records:** If available, building records will be reviewed to assess building construction, including construction dates, the presence of boilers, storage tanks, and exterior finishes (i.e., lead-based paint and/or transite roofing).

In addition to the documents reviewed under Task 2 (Section 2.2.1.), Malcolm Pirnie will review available information regarding past correspondence, activities, and investigations at the Site. The information will include the following sources:

- NYSDEC Division of Environmental Remediation;
- Suffolk County Department of Health Services;
- Suffolk County Department of Public Works;
- Available records of public and private supply wells within one mile of the Site;
- Published reports on local geology and hydrogeology; and
- Past reports.

A summary of the review will be prepared for the NYSDEC that identifies significant sites and summarized potential concerns. The report will also include a map of proposed sampling locations based on the findings of the review.

2.2.2. Geophysical Survey

A geophysical survey using electrical resistivity imaging (ERI) will be conducted at the Site. The survey will be performed by Aestus LLC, a qualified contractor experienced in the collection and interpretation of ERI data. The Aestus GeoTrax Survey™ uses non-intrusive electrical resistivity tomography technology to scan the subsurface for a variety of anomalies. The ERI survey will be used to image contaminants in the subsurface to identify potential source areas of contamination at the Site. The ERI survey will be used to assist in the design of the subsurface soil and groundwater sampling proposed under Task 3.

At the conclusion of a survey, the data will be used to produce a two-dimensional image of the subsurface that will be used by Aestus to evaluate the presence or absence of subsurface anomalies, and assess the distribution of contaminants. The scope of work is summarized in the Aestus LLC Proposal included in the TSW, which is provided as Appendix A.

All survey lines will be located with respect to a surveyed site benchmark, and plotted on the surveyed site map. Subsurface anomalies identified during the ERI survey will be described and included on the site map. The scope of work for the geophysical survey is summarized in the TSW, provided as Appendix A.

2.3. Task 3: Environmental Sampling and Analyses – Soil and Groundwater

2.3.1. Subsurface Geological Investigation and Soil Sampling

Prior to any subsurface sampling, utility clearance and permits will be obtained.

2.3.1.1. Groundwater Monitoring Well Boring and Sampling

Based on the results of the geophysical survey and the background review completed under Task 2, up to 10 groundwater monitoring wells will be installed at the site. During drilling of the monitoring well borings, continuous soil samples will be collected for stratigraphic characterization and screening, as described in the TSW provided in Appendix A. At least one soil sample will be collected above the water table from each monitoring well boring. The sampling interval will be determined based on the results of screening samples with a photoionization detector (PID). If the PID screening does not indicate the presence of contaminants, then the sample will be collected from just above the water table.

The soil samples will be sent to an analytical laboratory for analysis of Total Compound List (TCL) Volatile Organic Compounds (VOCs), using United States Environmental Protection Agency (USEPA) Method 8260B and Total Analyte List (TAL) Metals, using USEPA Methods 6010B and 7471A. In consultation with the NYSDEC, additional analyses may be added should historical information indicate the potential presence of additional types of contamination.

2.3.1.2. Direct-push Boring and Soil Sampling

Direct-push drilling methods will be used to advance approximately 21 soil borings at the site to characterize both on and off-site soil conditions, as discussed in the TSW presented in Appendix A. Each of the soil borings will be advanced to the maximum depth obtainable with a direct push drilling rig. The soil column will be continuously screened with a PID to monitor for the presence of VOCs. At least one soil sample will be collected just above the water table at each location. If PID response indicates the presence of potentially contaminated soil above the water table, one additional soil sample will be collected where the PID reading is the highest. Direct-push soil samples will be analyzed for the following:

- Target Compound List (TCL) VOCs, using USEPA Method 8260B;
- TCL Semi-volatile Organic Compounds (SVOCs), using USEPA Method 8270C;
- Polychlorinated Biphenyls (PCBs), using USEPA Method 8082;
- Pesticides, using Method SW846 8081A; and,

- Target Analyte List (TAL) Metals, using USEPA Methods 6010B and 7471A.

Soil sampling methods and Quality Assurance/ Quality Control (QA/QC) protocols are discussed in the TSW provided in Appendix A.

2.3.2. Groundwater Sampling

2.3.2.1. Groundwater Monitoring Wells

One groundwater sample will be collected from each of the 10 monitoring wells installed during the investigation. Groundwater Monitoring well samples will be sent to an analytical laboratory for analysis of TCLVOCs using USEPA Method 8260B and TAL Metals, using USEPA Methods 6010B and 7471A. In consultation with the NYSDEC, additional analyses may be added should historical information indicate the potential presence of additional types of contamination. Groundwater monitoring well sampling methods and QA/QC protocols are discussed in the TSW provided in Appendix A.

2.3.2.2. Direct-push Groundwater Sampling

Groundwater samples will also be collected from the approximately 21 direct push borings. Groundwater samples will be collected from the direct push borings at the water table and every 15 feet in depth thereafter. Groundwater samples will be analyzed for TCL VOCs and TAL metals at a minimum. In consultation with the NYSDEC, additional analyses may be added should historical information indicate the potential presence of additional types of contamination. Direct-push groundwater sampling methods and QA/QC protocols are discussed in the TSW provided in Appendix A.

2.3.3. Sample Analyses

Soil and groundwater samples will be analyzed by a New York State Department of Health Environmental Laboratory Accreditation Program (ELAP) certified and NYSDEC Analytical Service Protocol (ASP) certified laboratory. Analytical data will be reported in NYSDEC ASP Category A Deliverable format. Twenty percent of the environmental samples will be reported using NYSDEC ASP Category B Deliverable format. Sampling methods, analyses, and QA/QC protocols are discussed in the TSW provided in Appendix A.

The geographic coordinates of all sampling locations (soil and groundwater) will be recorded using a high quality GPS device capable of providing an accuracy of at least one meter referenced to the NAD 83 Horizontal Datum, as discussed in the TSW provided in Appendix A.

2.3.4. Sampling Location Survey

A survey of any existing and newly installed groundwater monitoring wells. The sampling locations and site datum will be surveyed in New York State Plane Coordinate System (North American Datum of 1983) and North American Vertical Datum of 1988. All elevations will be in feet. The locations shall be surveyed to within 0.1 feet, and elevations shall be surveyed within 0.01 feet. All sampling locations will be tied in to a United States Geological Survey (USGS) benchmark if possible.

2.4. Task 4: Characterization Report

A Site Characterization Report will be prepared and submitted to the NYSDEC for review and comment following the completion of the field characterization activities. The report will include the following:

- Discussion of field investigation activities;
- Presentation of analytical results for all media sampled;
- Data Summary/Usability Report;
- Discussion of the nature and extent of contaminants;
- Evaluation of groundwater flow direction;
- Comparison of analytical results to applicable regulatory standards and objectives;
- Copy of a digitized base map of the Site;
- Supporting data, including analytical data packages, field log forms, chain of custodies, and monitoring well construction diagrams;

Following approval by the NYSDEC, comments on the draft Site Characterization Report will be incorporated into the final Site Characterization Report and will be submitted to the NYSDEC as a single .pdf file on a compact disc along with the specified number of hard copies, within two weeks of receiving NYSDEC comments.

3. Estimated Budget

The estimated project budget is shown in the attached 2.11 series of schedules (Appendix B), prepared in accordance with the Malcolm Pirnie Contract for Site Characterization Services with the NYSDEC. Schedule 2.11(a), Summary of Work Assignment Price, shows the estimated total price for the work described in this Project Management Work Plan.

The assumptions used for the 2.11 schedules are as follows:

- A geophysical screening survey will be performed to evaluate subsurface conditions and assist in indentifying sampling and groundwater monitoring locations.
- Approximately 10 groundwater monitoring wells will be installed intersecting the water table with one soil sample collected from each monitoring well boring and one groundwater sample collected from each monitoring well. The wells will be 2-inch diameter Schedule-40 poly-vinyl chloride (PVC) wells installed using rotary drilling methods.
- Approximately 21 soil borings will be drilled using direct-push drilling methods to a total depth of approximately 100 feet bgs, with a maximum of two soil samples and three grab groundwater samples collected from each boring. The water table depth is assumed to be approximately 70 feet bgs in the vicinity of the site.
- A survey of the Site will be conducted of any existing and newly-installed groundwater monitoring wells by a New York State Licensed Land Surveyor.

4. Proposed Project Schedule

Project milestones for this Work Assignment are provided in the following project milestone schedule:

Project Milestone	Day(s) From WA Issuance
Issue Work Assignment (WA)	0
Acknowledge Receipt of WA	5
Submit Draft PMWP	180
NYSDEC Review of Draft PMWP	195
Submit Final PMWP	205
Notice to Proceed	220
Task 2 Records Search	220 - 280
Task 2 Complete with Summary Report	280
NYSDEC Review of Summary Report	280 - 300
Task 3 Field Work	375
Task 4 Submit Draft Report	465
Approve Draft Report	490
Submit Final Report (Task 4 Complete)	505

The schedule does not account for delays due to unforeseen Site conditions (e.g., inclement weather, access to properties). Every attempt will be made to adhere to the schedule presented. Unexpected delays will be documented and reported to the NYSDEC in a timely fashion. In the event that the schedule needs to be modified, Malcolm Pirnie will contact the NYSDEC for approval of the updated schedule.

5. Project Staffing Plan

The organizational structure proposed for the Hauppauge Area-Wide Groundwater Study is presented on Figure 3. In addition to the personnel identified on Figure 3, support for the project will be provided by additional personnel from Malcolm Pirnie as required. Coordination of project activities for this project will be performed by staff from Malcolm Pirnie's Latham, New York office. The responsibilities of key staff positions are summarized below.

5.1. Proposed Project Staff

Malcolm Pirnie will provide recommendations based on the review of records and site reconnaissance information, oversight, coordination, health and safety, field support, and evaluation of analytical data. Malcolm Pirnie will also be responsible for evaluation of analytical test results, which will be submitted to the NYSDEC. The Malcolm Pirnie staff members involved in this project are detailed below:

Daniel J. Loewenstein, P.E., Project Officer, will have the final responsibility for the quality of work performed and the allocation of resources and personnel for the Hauppauge Area-wide Groundwater Study.

Shi Ng, the Quality Assurance Officer, will perform project review independently of project management and will oversee Malcolm Pirnie's Quality Assurance/Quality Control (QA/QC) program for the project.

Bruce Nelson, C.P.G., Project Manager, will be responsible for the day-to-day management of the project including the allocation of technical resources, development of work plans, and coordination of project activities and personnel. He will interact with other team members and support staff to complete and document the scope of work.

5.2. Proposed Subcontractors

Subcontractors to Malcolm Pirnie will be required in the following areas to conduct work necessary to support the Site Characterization:

- Geophysical Survey
- Drilling
- Analytical Laboratory

- Data Validation
- Surveyor

The proposed Subcontractors identified to participate in the project are shown on Figure 3.

6. Proposed Minority-Owned and Women-Owned Business Enterprise (MBE/WBE) Participation

This MBE/WBE Plan provides the good faith efforts to be undertaken by Malcolm Pirnie to comply with the requirements of the NYSDEC established in Contract D004439 to subcontract with minority-owned and women-owned business enterprises, and to employ minorities and women. The purpose of the MBE/WBE Plan is to demonstrate and document Malcolm Pirnie's intention to make a good faith effort to meet the goals as stated in the contract. These goals are as follows:

- The Contractor agrees to make good faith efforts to subcontract at least 15 percent of the dollar value of this contract to Minority-Owned Business Enterprises and at least 5 percent of such value to Women-Owned Business Enterprises.
- The Contractor agrees to make good faith efforts to employ or contractually require any Subcontractor with whom it contracts to make good faith efforts to employ minority group members for at least 10 percent of, and women for at least 10 percent of, the work force hours required to perform the work under this Contract.

This MBE/WBE Plan has been prepared to address MBE/WBE involvement in the tasks under NYSDEC Work Assignment D004439-20 for the Hauppauge Area-Wide project, Smithtown, New York. This specific plan incorporates the provisions of Malcolm Pirnie's corporate plan for Affirmative Action.

6.1. Malcolm Pirnie Affirmative Action Statement

Malcolm Pirnie supports the NYSDEC's commitment to minority- and women-owned business enterprises. The firm will make good faith efforts to meet or exceed the 15 percent MBE and 5 percent WBE goals for this contract. Malcolm Pirnie is in compliance with Title VII of the Civil Rights Acts of 1964, as amended by the Equal Employment Opportunity Act of 1972.

It is our policy to provide equal opportunity to all qualified persons without regard to race, color, religion, sex, age, national origin, physical handicaps, sexual or affectional preference or marital status, and to promote the full realization of equal opportunity through a positive continuing affirmative action program. The firm assures applicants and staff members that equal opportunity and equal consideration is afforded in personnel actions with respect to recruiting and hiring, development programs, job assignments, promotion, compensation, transfer, and other status changes.



It is the objective of the firm to provide full employment opportunities for members of minority groups and to employ meaningful numbers at all job levels through effective upgrading and recruiting. Toward this end, the firm's Manager of Human Resources has the responsibility for ensuring that Malcolm Pirnie is in compliance with all aspects of federal and State civil rights laws.

It is the policy of Malcolm Pirnie to consider applicants for employment, training and upward mobility programs that may be necessary without regard to race, religion, color, sex, age, physical handicap or any other factor unrelated to job performance. Malcolm Pirnie also supports career counseling, and training and development for all employees. Minorities and women are encouraged and afforded every opportunity to participate in all company-sponsored educational, training, recreational, professional and social activities.

6.2. Areas of Potential MBE/WBE Participation

The tasks identified for the Hauppauge Area-Wide Work Assignment are as follows:

- Task 1: Project Management Work Plan Development
- Task 2: Records Search, Site Reconnaissance, and Geophysical Survey of Property
- Task 3: Environmental Sampling and Analysis – Soil and Groundwater
- Task 4: Characterization Report

Subcontractors and suppliers are anticipated to be needed to assist or provide supplemental services to Malcolm Pirnie in a number of areas. It is Malcolm Pirnie's intent to solicit MBE/WBEs during the procurement of subcontractors for this project.

One or more MBE/WBE firms will be included in the list of firms solicited for each of the following subcontract areas of work:

- Geophysical Survey
- Drilling Services
- Analytical Services
- Data Validation
- Survey

A summary table of bids received for the work, including the MBE/WBE status of each firm is included in Appendix B.

7. Project Plans

7.1. Technical Scope of Work

A Technical Scope of Work (TSW) for the environmental sampling activities proposed for completion under this Work Assignment is included as Appendix A.

7.2. Quality Assurance Project Plan (QAPP)

A generic quality assurance project plan (QAPP) for the environmental sampling and analysis activities contemplated for completion under this Work Assignment has been prepared by Malcolm Pirnie and is included as Attachment A to the TSW.

7.3. Site-Specific Health and Safety Plan (HASP)

A site-specific health and safety plan (HASP) for the intrusive field activities contemplated for completion under this Work Assignment has been prepared by Malcolm Pirnie and is included as Attachment B to the TSW.

7.4. Site-Specific Data Usability Summary Report (DUSR)

A site-specific data usability summary report (DUSR) for the environmental sampling and analysis contemplated for completion under this Work Assignment will be prepared by Malcolm Pirnie and its subcontractor(s) following receipt of environmental laboratory results for the Site Characterization.

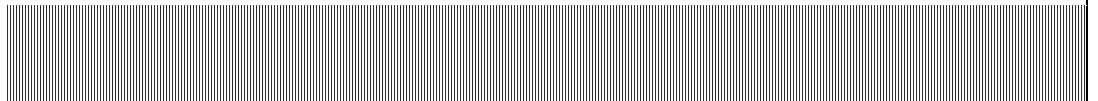
8. References

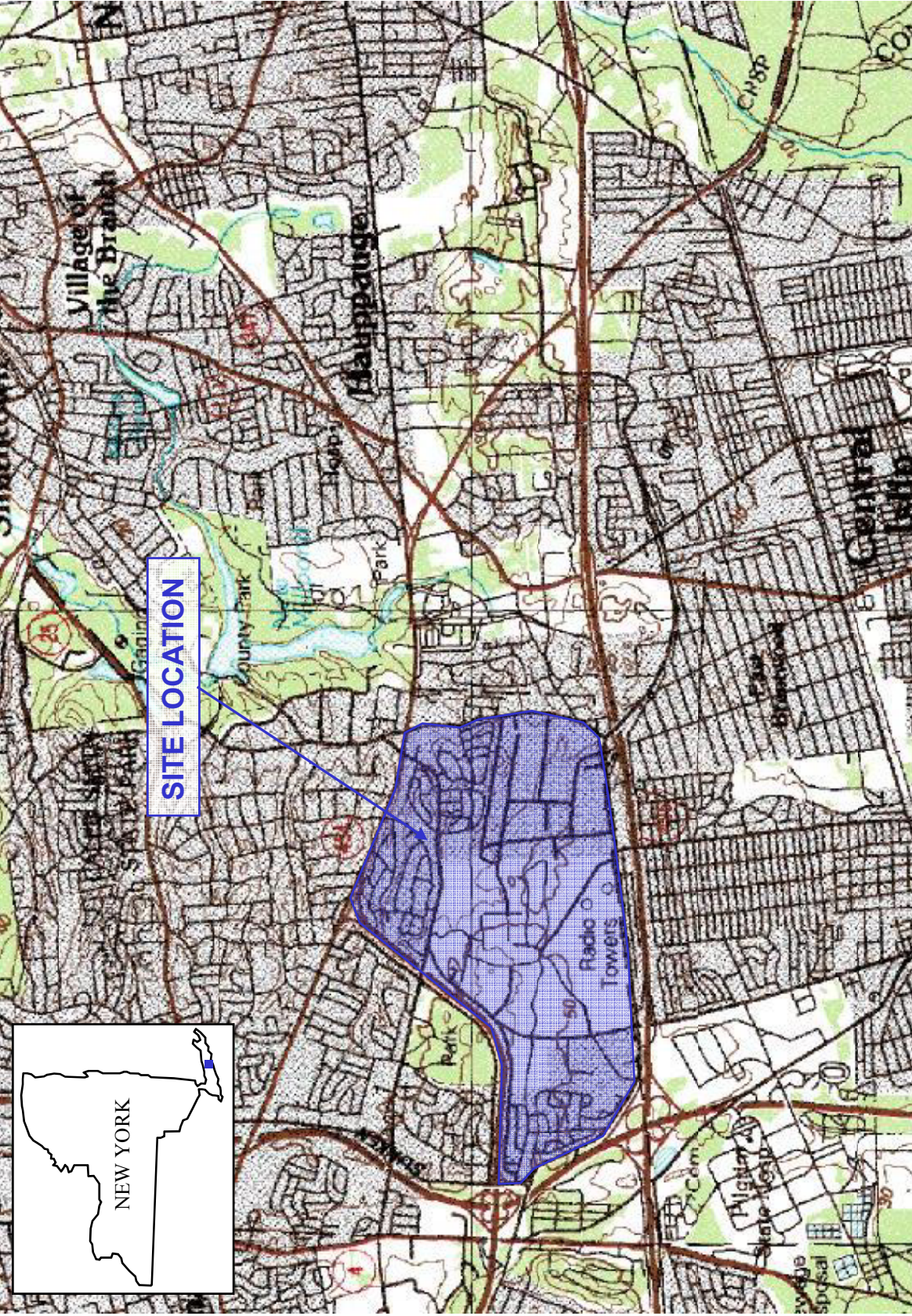
NYSDEC, 2002. "Draft DER-10 Technical Guidance for Site Investigation and Remediation." New York State Department of Environmental Conservation, Division of Environmental Remediation. December 2002.

NYSDEC, 2005. "Draft Handbook for Standby Consultant Contracts". New York State Department of Environmental Conservation, Division of Environmental Remediation.

New York State Department of Environmental Conservation
Hauppauge Area-wide Groundwater Study –
Project Management Work Plan

Figures





0 1250 2500 5000 Feet

APPROXIMATE SCALE

Source: USGS 7.5 minute 1988
Greenlawn quadrangle topographic map.

**MALCOLM
PIRNIE**

HAUPPAUGE AREA-WIDE GROUNDWATER STUDY
SMITHTOWN, SUFFOLK COUNTY, NEW YORK
PROJECT MANAGEMENT WORK PLAN

SITE LOCATION

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FIGURE 1



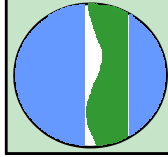
Legend
Site_Area



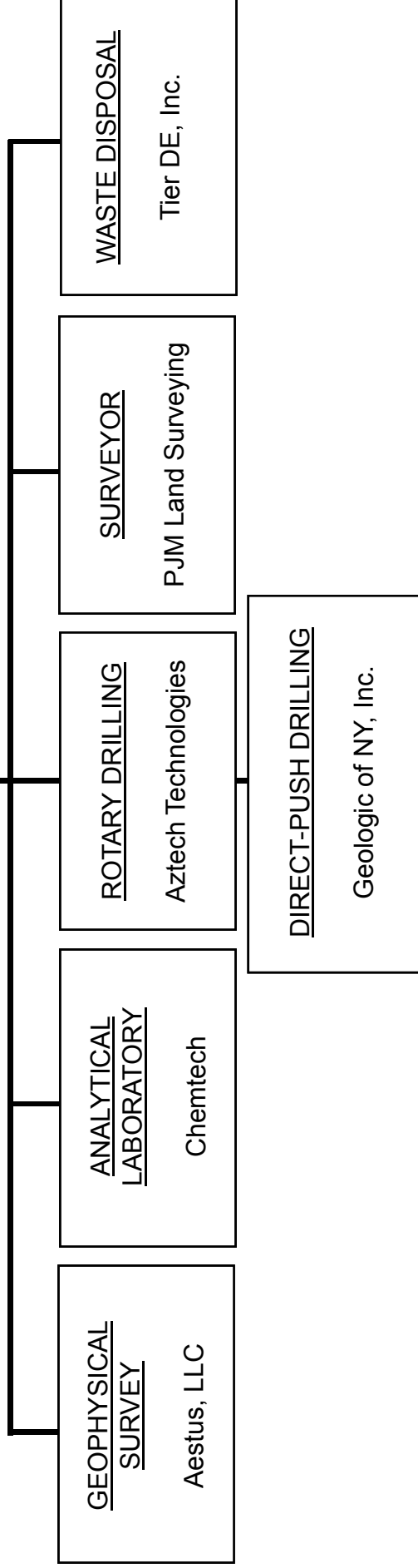
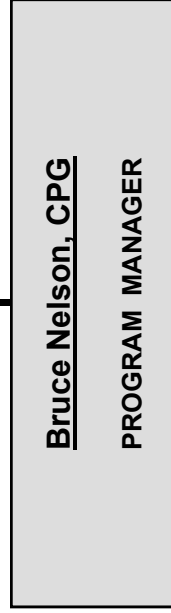
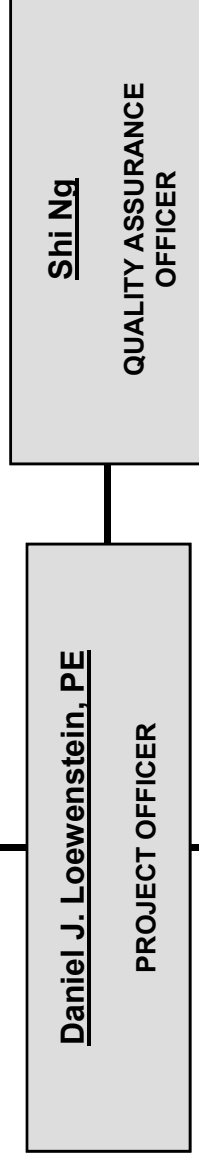
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 BROADWAY, ALBANY, NEW YORK 12233
CONTRACT # D004439-20

SITE MAP
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY
SMITHTOWN, NEW YORK

MALCOLM PIRNIE, INC.
JULY 2008
FIGURE 2



NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION



HAUPPAUGE AREA-WIDE GROUNDWATER STUDY
SMITHTOWN, SUFFOLK COUNTY, NEW YORK
PROJECT MANAGEMENT WORK PLAN

**MALCOLM
PIRNIE**

PROPOSED PROJECT TEAM

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FIGURE 3