

workplan.hw.152221.2008-08-11.D004439-20\_MPI.pdf

**New York State Department of Environmental Conservation**

**Division of Environmental Remediation, 12<sup>th</sup> Floor**

625 Broadway, Albany, New York 12233-7011

Phone: (518) 402-9706 • FAX: (518) 402-9020

Website: www.dec.ny.gov



Alexander B. Grannis  
Commissioner

August 11, 2008

Mr. Bruce Nelson  
Malcolm Pirnie, Inc.  
43 British-American Boulevard  
Latham, NY 12110

RE: **Schedule 2.11s Approval**  
**Work Assignment #D004439-20**  
**Hauppauge Area-Wide Study, Site #152221**

Dear Mr. Nelson:

The New York State Department of Environmental Conservation's Division of Environmental Remediation hereby approves the attached Schedule 2.11s for the above referenced work assignment (WA) in the amount of \$701,093. Malcolm Pirnie may now submit a request for reimbursement for work completed under this WA.

If you have any questions regarding this WA, please contact the Project Manager, Kerry Maloney, at (518) 402-9622.

Sincerely,

for Michael J. Cruden, P.E.  
Chief

Contracts and Payments Section  
Bureau of Program Management  
Division of Environmental Remediation

Attachment

ec: bnelson@pirnie.com  
K. Maloney, PM  
L. Lewis, CM  
M. Cruden  
D. Desnoyers  
S. Ervolina  
D. Weigel  
C. Vasudevan  
J. Yavonditte  
W. Parish, Region 1  
T. Christian, M/WBE  
D. Finlayson  
T. Wolosen

**From:** Kerry Maloney  
**To:** Lisa Lewis  
**Date:** 8/11/2008 11:19:38 AM  
**Subject:** Re: Approval needed for Hauppauge work plan/2.11s

Hi Lisa -

Sorry about the delay -

I'm ready to approve Malcolm Pirnie's Hauppauge WA, D004439-20 - do you need a particular letter or is this email sufficient?

Thanks!  
Kerry

>>> Lisa Lewis 8/1/2008 11:25:11 AM >>>  
Hi Kerry-

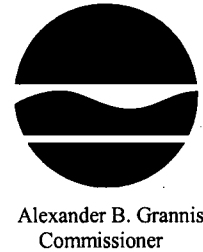
I need to have a written approval from you for Malcolm Pirnie's Hauppauge WA, D004439-20. Once I have this, I can prepare an approval letter for Mike to sign, hopefully today.

Lisa

Lisa M. Lewis  
Contract Manager  
NYS Dept. of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Program Management  
Contracts & Payments Section  
625 Broadway, 12th Floor  
Albany, NY 12233-7012

Phone: (518) 402-9601  
Fax: (518) 402-9722  
Email: [lmlewis@qw.dec.state.ny.us](mailto:lmlewis@qw.dec.state.ny.us)

**New York State Department of Environmental Conservation**  
**Division of Management & Budget Services**  
**Office of Affirmative Action and Minority/Women's**  
**Business Programs, 10<sup>th</sup> Floor**  
625 Broadway, Albany, New York 12233-5028  
**Phone:** (518) 402-9311 • **FAX:** (518) 402-9230  
**Website:** www.dec.ny.gov



August 5, 2008

Mr. Daniel J. Loewenstein, P.E.  
Program Manager  
Malcolm Pirnie, Inc.  
43 British American Boulevard  
Latham, New York 12110

RE: Contract # D004439-20  
Investigation/Design  
Department of Environmental Remediation  
Minority and Women's Business Program

Dear Mr. Loewenstein:

The Bureau of Minority and Women's Business Program (BAA/M/WBP) has received your Minority and Women's Business Program-Equal Employment Opportunity (M/WBP-EEO) Program Utilization Plan and a list of the proposed items to be subcontracted for the above-referenced contract. Based on a review of the documents submitted, the following determinations have been made:

The Utilization Plan is acceptable with the following M/WBP goals:

<u>Total Contract Cost:</u>	(100%)	\$ 701,093.00
<u>MBE Goal/Amount:</u>	(15%)	\$ 105,164.00
<u>WBE Goal/Amount:</u>	(5%)	\$ 35,055.00
<u>Combined Goal/Amount:</u>	(20%)	\$ 140,219.00

EEO Goals:

- 10% Minority Work Force Participation
- 10% Female Work Force Participation

The following New York State Certified firms listed in your utilization plan are acceptable for program crediting purposes:

<u>MBE Firm</u>	<u>Scope of Work</u>	<u>Contract Amount</u>
Chemtech Consulting Group	Analytical Laboratory	\$ 42,835.00
		<hr/>
Total		\$ 42,835.00

<u>WBE Firm</u>	<u>Scope of Work</u>	<u>Contract Amount</u>
Data Validation Services	Data Validation	\$ 2,271.00
Aztech Technologies	Rotary Drilling Services	\$ 52,069.00
		<hr/>
Total		\$ 54,340.00

The Equal Employment Opportunity (EEO) portion of the submitted M/WBP-EEO Utilization Plan meets the established work force objectives.

To verify M/WBE participation, please submit the following documentation to the BAA/M/WBE:

1. Copies of legally signed and executed sub-agreements.
2. Copies of legally signed purchase orders, along with copies of both sides of legally signed and cancelled checks.
3. Copies of affidavits of payments; jointly signed by both the contractor and subcontractors/supplier indicating the type of business arrangement, dates and amounts. Also, please note the documents should be notarized.

If you have any questions regarding the above, please call me at (518) 402-9311.

Sincerely,

Christopher Hale  
Minority Business Specialist I

C: T. Christian

## Cost Review for Work Plan or Amendment

**Contractor Name:** Malcolm Pirnie, Inc.

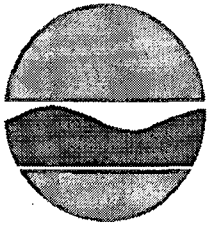
**Date:** 8/1/08

**WA # and Name:** Hauppauge Area-Wide Study, D004439-20

**Reviewer:** Lisa Lewis

<b>GENERAL COST REVIEW CHECKLIST</b>		<b>Yes</b>	<b>No</b>	<b>Comments</b>
	A complete set of 2.11 Schedules (a) through (h) is attached.	X		
	For grouped work assignments, Schedule 2.11s are broken down by site.	---	---	N/A
<b>1.</b>	<b>Schedule 2.11(b) - Direct Labor</b>			
	Average reimbursement rates are used for each year. Future years escalate 3%.	X		
	Hours are segregated by year.	X		
	Total cost for each NSPE level is shown.	X		
	Total direct labor costs match amounts on Schedule 2.11(a).	X		
	The Principal's (NSPE level 9) labor hours charged to WA are less than 2% of the total.	X		
	Total labor hours match hours on Schedule 2.11(h).	X		
<b>2.</b>	<b>Schedule 2.11(b-1) - Direct Administrative Labor Hours</b>			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	X		5% = Okay
<b>3.</b>	<b>Schedules 2.11(c) and (d) - Direct Non-Salary Costs</b>			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or miscellaneous costs match contract Schedule 2.10(b).	X		
	Quotes are included for any non-contract item ( <u>including</u> equipment purchases & rentals; <u>excluding</u> air fare) >\$1k. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	---	---	N/A
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR. If they're not in ICR, they are included in 2.10(b) or 2.10(c). Field costs must be receipted.	X		
	Appropriate lodging/per diem/mileage rates are used.	X		
	Schedule 2.11(d)1 - All equipment purchased is supported by cost justification that's acceptable to the CM. Equipment is to be maintained by the contractor or turned over to DEC, and it must be added to contractor's inventory list (include a revised copy).	---	---	N/A
	Schedule 2.11(d)2 - Rates for consultant-owned equipment match Schedule 2.10(c).	X		
	Schedule 2.11(d)4 - Includes equipment to be used only on this WA (such as a blower purchased to upgrade SVE system).	---	---	N/A
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	X		
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	X		
<b>4.</b>	<b>Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts</b>			
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted.	---	---	N/A

	<b>Schedule 2.11(e) - Continued</b>	<b>Yes</b>	<b>No</b>	<b>Comments</b>
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.	---	---	N/A
	A breakdown of direct non-salary costs in the form of additional Schedule 2.11s is attached, if appropriate.	---	---	
	Total subcontract cost matches amount on Schedule 2.11(a).	---	---	
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.	---	---	
	Subcontractor certification(s) have been submitted.	---	---	
<b>5.</b>	<b>Schedule 2.11(f) - Unit Price Subcontracts</b>			
	There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	X		
	<i>Standby Drillers</i> (Two phase process) - Costs from at least 3 standbys (or additional quotes from non-standby drillers) are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected.	X		
	<i>M/WBE</i> - Cost reasonableness of sole/single source M/WBE contracts <\$10k are documented by an engineer's estimate.	X		On Standby
	<i>Standby Labs and Data Validators</i> (rotate use) - Unit costs match those in contract(s).	X		
	Correct management fee is calculated only on non-professional unit priced subs >\$10k and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors unless the contract specifically allows it.)	X		
	Justification is attached for subcontracts >\$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, other construction-type activities) must be competitively bid unless otherwise approved.	X		
	Subcontractor certification(s) have been submitted.	X		
<b>6.</b>	<b>Schedule 2.11(g) - Cost Control Report</b>			
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).	X		
	PMWP or amendment development costs are within 5% of the total WA or amendment costs. Acceptable justification has been submitted if the percentage exceeds 5%.	X		
	PMWP or amendment development costs are limited to preparing a PMWP or amendment. Additional sub-tasks, if included, have been conceptually approved.	X		
<b>7.</b>	<b>Schedule 2.11(g) Supplemental - Cost Control Report (subs)</b>			
	Schedules include all applicable subcontracts and management fees (for unit price only).	X		
<b>8.</b>	<b>Schedule 2.11(a)</b>			
	Rates for indirect and fixed fee match contract rates.	X		
	All numbers rolled up into Schedule 2.11(a) add up.	X		
<b>9.</b>	<b>Additional Cost Information/Comments</b>			



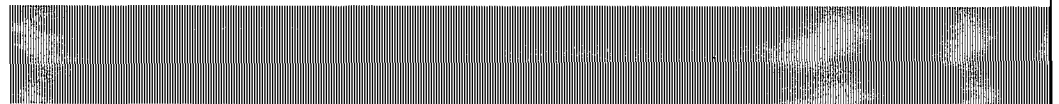
New York State Department of Environmental Conservation  
625 Broadway • Albany NY 12233

APPROVED  
LML 8/1/08

**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:

**Malcolm Pirnie, Inc.**

43 British American Boulevard  
Latham NY 12110  
518-782-2100

0266374

**MALCOLM  
PIRNIÉ**



<b>1. Introduction</b>	<b>1-1</b>
1.1. Objective .....	1-1
1.2. Site Description and History.....	1-1
1.3. Site Geology and Hydrogeology .....	1-2
<b>2. Proposed Scope of Work</b>	<b>2-1</b>
2.1. Task 1: Develop a Detailed Project Management Work Plan.....	2-1
2.2. Task 2: Records Search, Site Reconnaissance, and Survey Property .....	2-2
2.2.1. Records Search.....	2-2
2.2.2. Geophysical Survey .....	2-4
2.3. Task 3: Environmental Sampling and Analyses – Soil and Groundwater .....	2-5
2.3.1. Subsurface Geological Investigation and Soil Sampling.....	2-5
2.3.1.1. Groundwater Monitoring Well Boring and Sampling .....	2-5
2.3.1.2. Direct-push Boring and Soil Sampling.....	2-5
2.3.2. Groundwater Sampling.....	2-6
2.3.2.1. Groundwater Monitoring Wells .....	2-6
2.3.2.2. Direct-push Groundwater Sampling .....	2-6
2.3.3. Sample Analyses.....	2-6
2.3.4. Sampling Location Survey.....	2-7
2.4. Task 4: Characterization Report .....	2-7
<b>3. Estimated Budget</b>	<b>3-1</b>
<b>4. Proposed Project Schedule</b>	<b>4-1</b>
<b>5. Project Staffing Plan</b>	<b>5-1</b>
5.1. Proposed Project Staff .....	5-1
5.2. Proposed Subcontractors .....	5-1
<b>6. Proposed Minority-Owned and Women-Owned Business Enterprise (MBE/WBE) Participation</b>	<b>6-1</b>
6.1. Malcolm Pirnie Affirmative Action Statement.....	6-1
6.2. Areas of Potential MBE/WBE Participation.....	6-2
<b>7. Project Plans</b>	<b>7-1</b>
7.1. Technical Scope of Work.....	7-1
7.2. Quality Assurance Project Plan (QAPP).....	7-1
7.3. Site-Specific Health and Safety Plan (HASP).....	7-1
7.4. Site-Specific Data Usability Summary Report (DUSR).....	7-1



---

**8. References**

**8-1**

---

**Figures**

1. Site Location
2. Site Area
3. Anticipated Work Schedule
4. Proposed Project Team

---

**Appendices**

- A. Technical Scope of Work
- B. 2.11 Schedules and Summary of Bids
- C. MBE/WBE and EEO Utilization Plan



# 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<sup>®</sup> 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:

<b>Project Milestone</b>	<b>Day(s) From WA Issuance</b>
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.

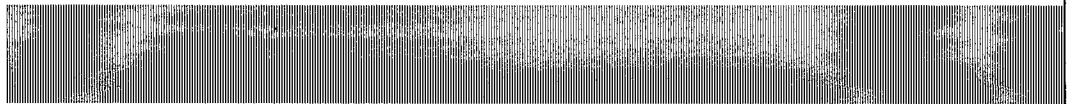
NYSDEC, 2005. "Draft Handbook for Standby Consultant Contracts". New York State Department of Environmental Conservation, Division of Environmental Remediation.

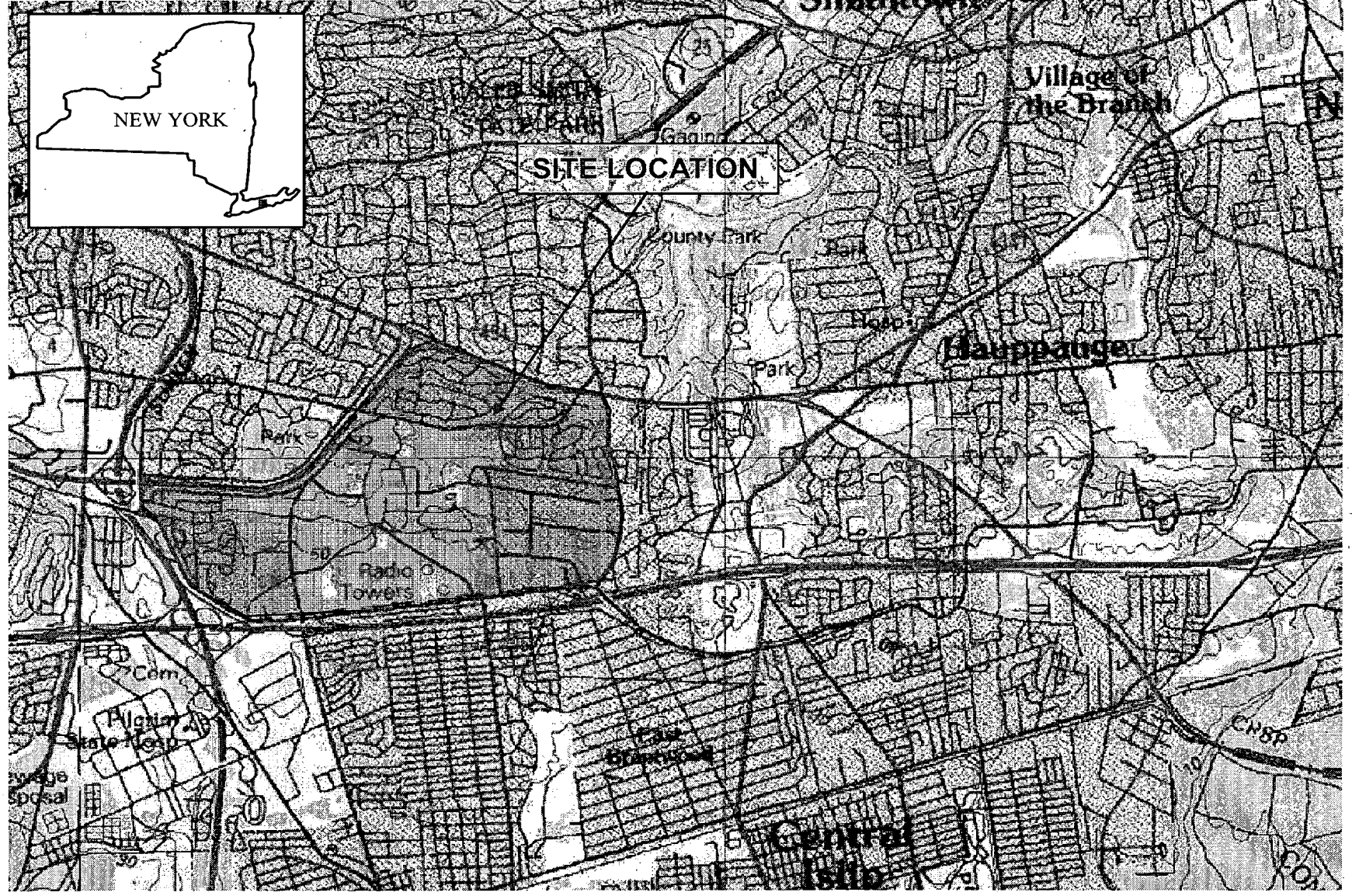


**New York State Department of Environmental Conservation**  
Hauppauge Area-wide Groundwater Study –  
Project Management Work Plan

---

**Figures**





APPROXIMATE SCALE

Source: USGS 7.5 minute 1988  
Greenlawn quadrangle topographic map.

\\ALBANYData\PROJECT\0266374\FILE\PMWPI\Figure1-SiteLocation.ppt



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

SITE LOCATION

Copyright © 2008  
Malcolm Pirnie, Inc.

FIGURE 1



**Legend**  
Site\_Area

0 0.25 0.5 0.75 1 Miles

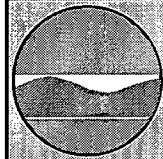
**MALCOLM  
PIRNE**

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 PIRNE, INC.  
JULY 2008  
FIGURE 2

I:\PROJECTS\2008\374\FILEDRAFT\PIRNE\FIGURE 2.PDF



**NEW YORK STATE DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION**

**Daniel J. Loewenstein, PE**

**PROJECT OFFICER**

**Shi Ng**

**QUALITY ASSURANCE  
OFFICER**

**Bruce Nelson, CPG**

**PROGRAM MANAGER**

**GEOPHYSICAL  
SURVEY**

**Aestus, LLC**

**ANALYTICAL  
LABORATORY**

**Chemtech**

**ROTARY DRILLING**

**Aztech Technologies**

**SURVEYOR**

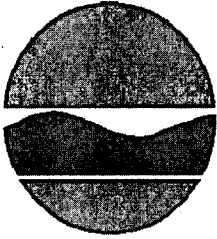
**PJM Land Surveying**

**WASTE DISPOSAL**

**Tier DE, Inc.**

**DIRECT-PUSH DRILLING**

**Geologic of NY, Inc.**



**New York State Department of Environmental Conservation**

625 Broadway • Albany, New York 12233-7011

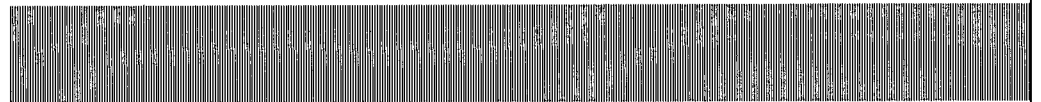
**Hauppauge Area-Wide Groundwater Study  
Site # 1-52-221**

**Smithtown, New York**

**Work Assignment # D-004439-20**

# **Appendix A: Schedule 2.11s**

July 2009



Plan Prepared By:

**Malcolm Pirnie, Inc.**

43 British American Blvd.  
Latham, New York 12110  
518-782-2100

0266374

**MALCOLM  
PIRNIE**

**Schedule 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
D-004439-20  
Hauppauge Area-Wide Groundwater Study

1. Direct Salary Costs [Schedule 2.11(b)]	\$55,961
2. Indirect Costs (1.753)	\$98,099
3. Direct Non-Salary Costs [Schedule 2.11(c)(d)]	\$26,218

**Subcontract Costs:**

Cost-plus-fixed-fee Subcontracts [Schedule 2.11 (e)]		
Name of Subcontractor	Services To Be Performed	Subcontractor Price
A. Vendor	Services	\$0
<b>4. Subtotal Cost-plus-fixed-fee Subcontracts</b>		<b>\$0</b>

Unit Price Subcontracts [Schedule 2.11(f)]		
Name of Subcontractor	Services To Be Performed	Subcontractor Price
A. Laboratory - Chemtech (MBE)	Analytical - Soil/GW/Sed	\$48,250
B. Rotary Drilling - Aztech Technologies, Inc (WBE)	Rotary Drilling	\$52,207
C. Direct-push Sampling - Geologic NY, Inc.	Direct Push Drilling	\$71,570
D. Surveyor -PJM Land Surveying	Survey	\$4,000
E. IDW Disposal - TIER DE, Inc.	IDW Disposal	\$6,840
F. Data Validation - Data Validation Services (WBE)	Data Validation	\$2,457
G. Geophysical Survey - Aestus LLC.	Geophysical Survey	\$296,534
<b>5. Total Unit Price Subcontracts</b>		<b>\$481,858</b>

6. Subcontract Management Fee	\$23,551
7. Total Subcontract Costs (lines 4+5+6)	\$505,409
8. Fixed Fee	\$15,406
<b>9. Total Work Assignment Price (lines 1+2+3+7+8)</b>	<b>\$701,093</b>

**SCHEDULE 2.11 (b) - Tasks 1 and 2**

**SUMMARY TOTAL OF DIRECT LABOR HOURS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

NSPE Labor Classification		9	8	7	6	5	4	3	2	1	Tech	
Average 2007 Rate		\$65.98	\$65.98	\$55.81	\$42.30	\$36.01	\$32.84	\$28.14	\$24.56	\$20.10	\$13.69	
Average 2008 Rate		\$68.54	\$68.54	\$57.97	\$43.94	\$37.41	\$34.11	\$29.23	\$25.51	\$20.88	\$14.59	
Average 2009 Rate		\$70.60	\$70.60	\$59.71	\$45.26	\$38.53	\$35.13	\$30.11	\$26.28	\$21.51	\$15.03	
Average 2010 Rate		\$72.72	\$72.72	\$61.50	\$46.62	\$39.69	\$36.18	\$31.01	\$27.07	\$22.16	\$15.48	
Task #	Task Name	Total Direct Labor Hours by Task for each NSPE Labor Classification										Total Direct Labor Hours Budgeted
Task 1	Detailed Work Plan Development	2	18	8	0	0	42	30	35	5	0	140
Task 2	Records Search, Site Reconnaissance &	2	16	0	0	0	40	250	300	10	0	618
Task 3	Environmental Sampling and Analysis	2	32	0	0	0	50	350	400	0	0	834
Task 4	Investigation Report	4	32	0	0	0	30	100	70	10	0	246
<b>Subtotals:</b>												<b>TOTALS:</b>
2007 hours:		0	0	0	0	0	0	0	0	0	0	0
2007 costs:		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2008 hours:		8	78	8	0	0	142	650	765	15	0	1,666
2008 costs:		\$548.32	\$5,346.12	\$463.76	\$0.00	\$0.00	\$4,843.62	\$18,999.50	\$19,515.15	\$313.20	\$0.00	\$50,029.67
2009 hours:		2	20	0	0	0	20	80	40	10	0	172
2009 costs:		\$141.20	\$1,412.00	\$0.00	\$0.00	\$0.00	\$702.60	\$2,408.80	\$1,051.20	\$215.10	\$0.00	\$5,930.90
2010 hours:		0	0	0	0	0	0	0	0	0	0	0
2010 costs:		0	0	0	0	0	0	0	0	0	0	0
<b>Total Work Assignment Hours</b>		<b>10</b>	<b>98</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>162</b>	<b>730</b>	<b>805</b>	<b>25</b>	<b>0</b>	<b>1,838</b>
<b>Total Cost for Each NSPE Level</b>		<b>\$689.52</b>	<b>\$6,758.12</b>	<b>\$463.76</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$5,546.22</b>	<b>\$21,408.30</b>	<b>\$20,566.35</b>	<b>\$528.30</b>	<b>\$0.00</b>	
<b>Total Work Assignment Direct Labor Cost</b>												<b>\$55,961</b>

**SCHEDULE 2.11 (b-1) - Tasks 1 through 3**

**SUMMARY TOTAL OF DIRECT ADMINISTRATIVE LABOR HOURS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

NSPE Labor Classification	9	8	7	6	5	4	3	2	1	
Average 2007 Rate	\$65.98	\$65.98	\$55.81	\$42.30	\$36.01	\$32.84	\$28.14	\$24.56	\$20.10	
Average 2008 Rate	\$68.54	\$68.54	\$57.97	\$43.94	\$37.41	\$34.11	\$29.23	\$25.51	\$20.88	
Average 2009 Rate	\$70.60	\$70.60	\$59.71	\$45.26	\$38.53	\$35.13	\$30.11	\$26.28	\$21.51	
Average 2010 Rate	\$72.72	\$72.72	\$61.50	\$46.62	\$39.69	\$36.18	\$31.01	\$27.07	\$22.16	
TASK	Total Direct Administrative Hours by Task for each NSPE Labor Classification									Total Direct Administrative Hours
Task 1	0	18	0	0	0	10	3	10	0	41
Task 2	0	7	0	0	0	0	3	0	0	10
Task 3	0	11	0	0	0	0	3	0	0	14
Task 4	0	7	0	0	0	5	3	20	0	35
Subtotals:										TOTALS:
2007 Hours	0	0	0	0	0	0	0	0	0	0
2007 Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2008 Hours	0	38	0	0	0	13	12	10	0	73
2008 Costs	\$0.00	\$2,604.52	\$0.00	\$0.00	\$0.00	\$443.43	\$350.76	\$255.10	\$0.00	\$3,653.81
2009 Hours	0	5	0	0	0	2	0	20	0	27
2009 Costs	\$0.00	\$353.00	\$0.00	\$0.00	\$0.00	\$70.26	\$0.00	\$525.60	\$0.00	\$949
<b>Total Hours</b>	<b>0</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>12</b>	<b>30</b>	<b>0</b>	<b>100</b>
<b>Total Cost (NSPE Level)</b>	<b>\$0.00</b>	<b>\$2,957.52</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$513.69</b>	<b>\$350.76</b>	<b>\$780.70</b>	<b>\$0.00</b>	
<b>Total Work Assignment Direct Administrative Cost</b>										<b>\$4,602.67</b>



**Schedule 2.11 (c)**

**DIRECT NON-SALARY COSTS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

<b>Item</b>	<b>Maximum Reimbursement Rate</b>	<b>Estimated Number of Units</b>	<b>Estimated Cost</b>	<b>Total Estimated Cost</b>
<b>In-house</b>				
Reproduction	\$0.06 /page	0 copies	\$0.00	
Mail	At Cost	At Cost	\$1,700.00	
PC	\$0.00 /hour	0 hours	\$0.00	
CADD	\$0.00 /hour	0 hours	\$0.00	
Communication	At Cost	At Cost	\$0.00	\$1,700
<b>Miscellaneous</b>				
Per Diem (full day)	\$191.00 /day	51 days	\$9,741.00	
Per Diem (first day & lodging)	\$48.00 /day	17 days	\$816.00	
Per Diem (last day & 75% meals)	\$48.00 /day	17 days	\$816.00	
Mileage(2008)	\$0.585 /mile	8,000 miles	\$4,680.00	
Subsistence	At Cost	At Cost	\$0.00	\$16,053
<b>TOTAL</b>				<b>\$17,753</b>

**Schedule 2.11 (d)**

**SUMMARY OF EQUIPMENT ACTIVITY**

D-004439-20

Hauppauge Area-Wide Groundwater Study

<b>SCHEDULE</b>	<b>All Tasks</b>	<b>Task 1</b>	<b>Task 2</b>	<b>Task 3</b>	<b>Task 4</b>	<b>Total Budgeted Cost</b>
Schedule 2.11(d)1 - Department Purchased Equipment	\$0.00	\$0	\$0	\$0	\$0	\$0
Schedule 2.11(d)2 - Malcolm Pirnie Owned	N/A	\$0	\$0	\$3,140	\$0	\$3,140
Schedule 2.11(d)3 - Rented Equipment	N/A	\$0	\$0	\$3,050	\$0	\$3,050
Schedule 2.11(d)4 - Site Dedicated Equipment	\$0.00	\$0	\$0	\$0	\$0	\$0
Schedule 2.11(d)5 - Consumable Supplies	N/A	\$0	\$0	\$2,275	\$0	\$2,275
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,465</b>	<b>\$0</b>	<b>\$8,465</b>



**Table 2.11 (d)1**

**EQUIPMENT PURCHASED UNDER THE CONTRACT**

D-004439-20

Hauppauge Area-Wide Groundwater Study

<b>Item</b>	<b>Estimated Purchase Price</b>	<b>O&amp;M Rate</b>	<b>Estimated Number</b>	<b>Estimated Usage Cost</b>
				\$0.00
<b>Total - All Tasks</b>				<b>\$0.00</b>



**Table 2.11 (d) 2**

**MAXIMUM REIMBURSEMENT RATES - CONSULTANT OWNED EQUIPMENT**

D-004439-20

Hauppauge Area-Wide Groundwater Study

<b>Task 2 Item</b>	<b>O&amp;M Rate</b>	<b>Estimated Usage</b>	<b>Estimated Usage Cost</b>
<b>Total Task 2</b>			<b>\$0</b>
<b>Task 3 Item</b>	<b>O&amp;M Rate</b>	<b>Estimated Usage</b>	<b>Estimated Usage Cost</b>
Photoionization Detector	\$45 /day	40 days	\$1,800
Peristaltic Pump	\$15 /day	0 days	\$0
Multi Parameter Water Quality Meter	\$45 /day	20 days	\$900
Trimble GPS	\$100 /day	2 days	\$200
Low Value Equipment	\$0.80 /person/ field hour	300 hours	\$240
<b>Total Task 3</b>			<b>\$3,140</b>
<b>Total All Tasks</b>			<b>\$3,140</b>



**Table 2.11 (d) 3**

**MAXIMUM REIMBURSEMENT RATES - VENDOR RENTED EQUIPMENT\***

D-004439-20

Hauppauge Area-Wide Groundwater Study

<b>Item</b>	<b>Unit Price</b>	<b>Quantity</b>	<b>Total Budgeted Cost</b>
Water Level Probe	\$50.00 / Week	1 Week	\$50
Bladder Pump	\$50.00 /day	20 days	\$1,000
Compressor	\$25.00 /day	20 days	\$500
Pump Controller	\$75.00 /day	20 days	\$1,500
<b>Total - Task 3</b>			<b>\$3,050</b>
<b>Total - All Tasks</b>			<b>\$3,050</b>

*\* Reimbursement will be paid at the actual receipted rental cost*

**Table 2.11 (d) 4**

**MAXIMUM REIMBURSEMENT RATES - SITE-DEDICATED EQUIPMENT**

D-004439-20

Hauppauge Area-Wide Groundwater Study

Item	Unit Price	Quantity	Total Estimated Cost
			\$0.00
<b>Total</b>			<b>\$0.00</b>



**Table 2.11 (d) 5**

**DETAILED BREAKDOWN OF CONSUMABLE SUPPLIES\***

D-004439-20

Hauppauge Area-Wide Groundwater Study

Item	Unit Price	Quantity	Total Budgeted Cost
<b>Task 3</b>			
Miscellaneous Supplies (Up to \$1,000 total)**	\$200.00 Lump Sum	1 Lump Sum	\$200.00
Bladder pump bonded twin-line tubing	\$0.55 /ft.	800 ft	\$440.00
Bladder Kit	\$21.00 /ea.	10 wells	\$210.00
PPE Level B	\$76.00 /man - day	0 /man - day	\$0.00
PPE Level C	\$36.00 /man - day	0 /man - day	\$0.00
PPE Level D	\$19.00 /man - day	75 /man - day	\$1,425.00
<b>Total - Task 3</b>			<b>\$2,275.00</b>
<b>Total - All Tasks</b>			<b>\$2,275.00</b>

Notes:

\*\* Each item costing over \$100 should be identified on a separate line.

*Consumable supplies such as gas, diesel fuel, oil, film, stakes, ice, distilled water, rope shall be direct billed with appropriate receipts.*

Schedule 2.11 (e)

**SUMMARY OF COST-PLUS-FIXED-FEE SUBCONTRACTORS**  
**D-004439-20**  
**Hauppauge Area-Wide Groundwater Study**

Item	Services To Be Performed	Subcontract Price				
		Task 1	Task 2	Task 3	Task 4	Total
<b>Cost</b>						
1. Vendor	Services	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>SUBTOTAL</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Management Fee</b>						
1. Vendor	Services	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>MANAGEMENT FEE SUBTOTAL</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>TOTAL</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



Schedule 2.11 (D)

SUMMARY OF UNIT PRICE SUBCONTRACTORS  
D-004439-20  
Hauppauge Area-Wide Groundwater Study

Item	Services To Be Performed	Subcontract Price					Management Fee (5%)				
		Task 1	Task 2	Task 3	Task 4	Total	Task 1	Task 2	Task 3	Task 4	Total
1. Laboratory - Chemtech (MBE)	Analytical - Soil/GW/Sed	\$0.00	\$0.00	\$48,250.00	\$0.00	\$48,250.00	\$0.00	\$0.00	\$2,412.50	\$0.00	\$2,412.50
2. Rotary Drilling - Aztech Technologies, Inc (WBE)	Rotary Drilling	\$0.00	\$0.00	\$52,206.80	\$0.00	\$52,206.80	\$0.00	\$0.00	\$2,610.34	\$0.00	\$2,610.34
3. Direct-push Sampling - Geologic NY, Inc.	Direct Push Drilling	\$0.00	\$0.00	\$71,570.00	\$0.00	\$71,570.00	\$0.00	\$0.00	\$3,578.50	\$0.00	\$3,578.50
4. Surveyor -PJM Land Surveying	Survey	\$0.00	\$0.00	\$4,000.00	\$0.00	\$4,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5. IDW Disposal - TIER DE, Inc.	IDW Disposal	\$0.00	\$0.00	\$6,840.00	\$0.00	\$6,840.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6. Data Validation - Data Validation Services (WBE)	Data Validation	\$0.00	\$0.00	\$0.00	\$2,456.60	\$2,456.60	\$0.00	\$0.00	\$0.00	\$122.83	\$122.83
7. Geophysical Survey - Aestus LLC.	Geophysical Survey	\$0.00	\$296,534.20	\$0.00	\$0.00	\$296,534.20	\$0.00	\$14,826.71	\$0.00	\$0.00	\$14,826.71
<b>TOTAL</b>		<b>\$0.00</b>	<b>\$296,534.20</b>	<b>\$182,866.80</b>	<b>\$2,456.60</b>	<b>\$481,857.60</b>	<b>\$0.00</b>	<b>\$14,826.71</b>	<b>\$8,601.34</b>	<b>\$122.83</b>	<b>\$23,550.88</b>

**Table 2.11 (f-1)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

**Laboratory - Chemtech (MBE)**

Task	Subtask	Parameter	Method	Matrix	No. of Tests	Unit Rate	Total
<b>Task 3 Environmental Sampling and Analysis</b>							
	Groundwater Sampling	TCL VOCs	8260B	AQ	103	\$90	\$9,270.00
	Groundwater Sampling	TAL Metals	6010B/7470A/7471A	AQ	97	\$95	\$9,215.00
	Soil/Sediment Sampling	TCL VOCs	8260B	S	70	\$90	\$6,300.00
	Soil/Sediment Sampling	TCL SVOCs	8270C	S	57	\$190	\$10,830.00
	Soil/Sediment Sampling	TAL Metals	6010B/7470A/7471A	S	70	\$95	\$6,650.00
	Soil/Sediment Sampling	Pesticides/ PCBs		S	57	\$105	\$5,985.00
<b>SUBTOTAL - Task 3 Environmental Sampling and Analysis</b>							<b>\$48,250.00</b>
<b>Management Fee (Includes All Tasks - If Applicable)</b>							<b>\$2,412.50</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>							<b>\$50,662.50</b>

- Quotes provided

**Table 2.11 (f-2)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

**Rotary Drilling - Aztech Technologies, Inc (WBE)**

Item	Unit Cost	No. of Items	Total Cost
<b>Task 3</b>			
Mobilization/Demobilization	\$1,645.00 /ls	1 /ls	\$1,645.00
Per Diem	\$255.00 /man/day	50 /man/day	\$12,750.00
PPE (Level D)	\$0.00 /man/day	50 /man/day	\$0.00
Drilling - 4 1/4-inch HSA	\$13.10 /lf.	900 /lf.	\$11,790.00
Split-spoon Sampling	\$4.00 /ea.	450	\$1,800.00
Well Screen - Machine-slotted 2.0-inch Dia.	\$4.24 /lf.	100 /lf.	\$424.00
Well Riser - PVC 2-inch Dia.	\$2.97 /lf.	800 /lf.	\$2,376.00
Filter Pack	\$4.90 /lf.	120 /lf.	\$588.00
Bentonite Seal	\$12.84 /lf.	20 /lf.	\$256.80
Riser Backfill - Bentonite Grout	\$7.55 /lf.	760 /lf.	\$5,738.00
Flush-mount Protective Casing	\$97.15 /ea.	10	\$971.50
Containerize Cuttings - Drums	\$48.50 /ea.	25	\$1,212.50
Containerize Cuttings - Labor	\$55.00 /hr.	15 /hr.	\$825.00
Well Development - Overpump/surge	\$157.00 /hr.	15 /hr.	\$2,355.00
Decontamination Pad Construction	\$420.00 /ea.	10	\$4,200.00
Decontamination - Labor	\$110.00 /hr.	5 /hr.	\$550.00
Water Tanker	\$135.00 /day	25 /day	\$3,375.00
Fill Tanker (Standby)	\$135.00 /hr.	10 /hr.	\$1,350.00
<b>TOTAL - Task 3</b>			<b>\$52,206.80</b>
<b>MANAGEMENT FEE (TASK 3)</b>			<b>\$2,610.34</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>			<b>\$54,817.14</b>

- Quotes provided

**Table 2.11 (f-3)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

**Direct-push Sampling - Geologic NY, Inc.**

Item	Unit Cost	No. of Items	Total Cost
<b>Task 3 - Environmental Sampling and Analysis</b>			
Mobilization/ Demobilization	\$800.00 /lump sum	1	\$800.00
Decontamination Pad	\$150.00 /ea.	1	\$150.00
Direct-push Drilling	\$1,700.00 /Day	30 days	\$51,000.00
Groundwater Sampler	\$0.00 /ls.	30	\$0.00
Direct-push Expendables	\$0.00 /lf.	1470	\$0.00
Boring Backfill - Bentonite	\$2.00 /ea.	6510 lf.	\$13,020.00
Modified Level D PPE	\$0.00 /man/day	60	\$0.00
Per Diem	\$100.00 /man/day	60 days	\$6,000.00
UN-Approved Drums	\$60.00 /ea.	10	\$600.00
<b>MANAGEMENT FEE (Task 3)</b>			<b>\$3,578.50</b>
<b>TOTAL (Task 3) Not including management fee</b>			<b>\$71,570.00</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>			<b>\$75,148.50</b>

✓

- Quotes provided

Table 2.11 (f-4)

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

**Surveyor -PJM Land Surveying**

Item	Unit Cost	No. of Items	Total Cost
<b>Task 3</b>			
Survey & Map Preparation	\$4,000.00 /LS	1	\$4,000.00
<b>TOTAL - Task 3</b>			<b>\$4,000.00</b>
<b>MANAGEMENT FEE (TASK 3)</b>			<b>\$0.00</b>
<b>TOTAL FOR TASK (INCLUDING MANAGEMENT FEE)</b>			<b>\$4,000.00</b>



- Quotes provided

**Table 2.11 (f-5)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

**IDW Disposal - TIER DE, Inc.**

Item	Unit Cost	No. of Items	Total Cost
<b>Task 3</b>			
Non-hazardous Disposal	\$124.00 /Drum	10 drums	\$1,240.00
Hazardous Disposal	\$224.00 /Drum	25 drums	\$5,600.00
<b>TOTAL - Task 3</b>			<b>\$6,840.00</b>
<b>MANAGEMENT FEE (TASK 3)</b>			<b>\$0.00</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>			<b>\$6,840.00</b>



- On standby  
- Comparisons  
okay

**Table 2.11 (f-6)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

**Data Validation - Data Validation Services (WBE)**

Item	Unit Cost	No. of Items	Total Cost
<b>Task 4</b>			
Soil/Sediment TCL VOCs	\$20.00 /sample	14 samples	\$280.00
Soil/Sediment TCL SVOCs	\$22.00 /sample	12 samples	\$264.00
Soil/Sediment Pesticides	\$18.00 /sample	12 samples	\$216.00
Soil/Sediment PCBs	\$15.00 /sample	12 samples	\$180.00
Soil/Sediment TAL Metals	\$16.90 /sample	14 samples	\$236.60
GW/SW TCL VOCs	\$20.00 /sample	33 samples	\$660.00
GW/SW TAL Metals	\$20.00 /sample	31 samples	\$620.00
<b>SUTOTAL - Task 4</b>			<b>\$2,456.60</b>
<b>MANAGEMENT FEE (TASK 4)</b>			<b>\$122.83</b>
<b>SUBTOTAL - Task 4 (INCLUDING MANAGEMENT FEE)</b>			<b>\$2,579.43</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>			<b>\$2,579.43</b>



- Sole-source justification given

**Table 2.11 (f-7)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439-20

Hauppauge Area-Wide Groundwater Study

**Geophysical Survey - Aestus LLC.**

Item	Unit Cost	No. of Items	Total Cost
<b>Task 2</b>			
<b>Phase I - Site Logistics &amp; Planning</b>			
Site Recon/Utility Locate/Site Visit	\$3,488.00 /ls	1 ls	\$3,488.00
Setup & Planning/Traffic Control Research	\$4,605.00 /ls	1 ls	\$4,605.00
<b>Phase II - Data Acquisition/Processing</b>			
Mobilization	\$7,571.85 /ls	1 ls	\$7,571.85
GeoTrax Survey	\$235,122.54 /ls	1 ls	\$235,122.54
Demobilization	\$6,742.75 /ls	1 ls	\$6,742.75
Data Processing	\$16,097.13 /ls	1 ls	\$16,097.13
Draft Report	\$15,221.38 /ls	1 ls	\$15,221.38
<b>Phase III - Data Calibration/Final Report</b>			
Confirmation Boring Data & Final Report	\$7,685.55 /ls	1 ls	\$7,685.55
<b>SUTOTAL - Task 2</b>			<b>\$296,534.20</b>
<b>MANAGEMENT FEE (TASK 2)</b>			<b>\$14,826.71</b>
<b>TOTAL - Task 2 (INCLUDING MANAGEMENT FEE)</b>			<b>\$311,360.91</b>

✓

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-20  
 PROJECT NAME: Hauppauge GW Study  
 MPI PROJECT #: 0266374  
 NYSDEC TASK #/NAME: SUMMARY

**SCHEDULE 2.11 (g)**

DATE PREPARED: 02-Jul-08

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$55,961	
1a. INDIRECT COST - 1.753 %						\$98,099	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$154,060	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$154,060	
4. TRAVEL & SUBSISTENCE						\$16,053	
5. OTHER NON-SALARY COST						\$10,165	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$26,218	
7. SUBCONTRACTORS Management Fee included above						\$505,409 \$23,551	
8. TOTAL CONTRACT COST (3+6+7)						\$685,687	
9. FIXED FEE - 10.0 %						\$15,406	
10. TOTAL CONTRACT PRICE (8+9)						\$701,093	
11. RETAINAGE - 0 %						\$0	
12. CAP FORM SUBMISSION						\$701,093	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-20  
 PROJECT NAME: Hauppauge GW Study  
 MPI PROJECT #: 0266374  
 NYSDEC TASK #/NAME: Task 1-Detailed Work Plan Development

**SCHEDULE 2.11 (g)**

DATE PREPARED: 02-Jul-08

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC. VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$5,141	
1a. INDIRECT COST - 1.753 %						\$9,013	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$14,154	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$14,154	
4. TRAVEL & SUBSISTENCE						\$0	
5. OTHER NON-SALARY COST						\$200	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$200	
7. SUBCONTRACTORS Management Fee included above						\$0 \$0	
8. TOTAL CONTRACT COST (3+6+7)						\$14,354	
9. FIXED FEE - 10.0 %						\$1,415	
10. TOTAL CONTRACT PRICE (8+9)						\$15,769	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-20  
 PROJECT NAME: Hauppauge GW Study  
 MPI PROJECT #: 0266374  
 NYSDEC TASK #/NAME: Task 2-Records Search, Site Reconnaissance & Survey

**SCHEDULE 2.11 (g)**

DATE PREPARED: 02-Jul-08

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$17,767	
1a. INDIRECT COST - 1.753 %						\$31,146	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$48,914	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$48,914	
4. TRAVEL & SUBSISTENCE						\$8,654	
5. OTHER NON-SALARY COST						\$0	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$8,654	
7. SUBCONTRACTORS Management Fee included above						\$311,361 \$14,827	
8. TOTAL CONTRACT COST (3+6+7)						\$368,929	
9. FIXED FEE - 10.0 %						\$4,891	
10. TOTAL CONTRACT PRICE (8+9)						\$373,820	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-20  
 PROJECT NAME: Hauppauge GW Study  
 MPI PROJECT #: 0266374  
 NYSDEC TASK #/NAME: Task 3-Environmental Sampling and Analysis

**SCHEDULE 2.11 (g)**

DATE PREPARED: 02-Jul-08

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$24,470	
1a. INDIRECT COST - 1.753 %						\$42,897	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$67,367	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$67,367	
4. TRAVEL & SUBSISTENCE						\$7,400	
5. OTHER NON-SALARY COST						\$9,715	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$17,115	
7. SUBCONTRACTORS Management Fee included above						\$191,468 \$8,601	
8. TOTAL CONTRACT COST (3+6+7)						\$275,950	
9. FIXED FEE - 10.0 %						\$6,737	
10. TOTAL CONTRACT PRICE (8+9)						\$282,687	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-20  
 PROJECT NAME: Hauppauge GW Study  
 MPI PROJECT #: 0266374  
 NYSDEC TASK #/NAME: Task 4-Investigation Report

**SCHEDULE 2.11 (g)**

DATE PREPARED: 02-Jul-08

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$8,581	
1a. INDIRECT COST - 1.753 %						\$15,043	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$23,625	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$23,625	
4. TRAVEL & SUBSISTENCE						\$0	
5. OTHER NON-SALARY COST						\$250	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$250	
7. SUBCONTRACTORS Management Fee included above						\$2,579 \$123	
8. TOTAL CONTRACT COST (3+6+7)						\$26,454	
9. FIXED FEE - 10.0 %						\$2,362	
10. TOTAL CONTRACT PRICE (8+9)						\$28,817	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT #: D-004439  
 NYSDEC WA #: WA-20  
 MPI PROJECT #: 0266374  
 PROJECT NAME: uppage Area-Wide Groundwater Study

**SCHEDULE 2.11 (g) - Supplemental**

DATE PREPARED: 02-Jul-08

**SUBCONTRACTOR COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION  
 Unit Price Subcontractors**

BILLING PERIOD: mm/dd/yy - mm/dd/yy  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

SUBCONTRACT NAME	A	B	C	D	E	F	G	H	TOTAL COSTS TO DATE (C + F + H)
	SUBCONTRACTOR COSTS				MANAGEMENT FEE				
	CURRENT COSTS, INCLUDES RESUBMITTALS	PAID TO DATE	TOTAL COSTS TO DATE (A + B)	APPROVED BUDGET	MNGT. FEE BUDGET	FEE THIS PERIOD	PENDING FEES	FEE PAID TO DATE	
1. Laboratory - Chemtech (MBE) Analytical - Soil/GW/Sed				\$48,250	\$2,413				
2 Rotary Drilling - Aztech Technologies, Inc (WBE) Rotary Drilling				\$52,207	\$2,610				
3 Direct-push Sampling - Geologic NY, Inc: Direct Push Drilling				\$71,570	\$3,579				
4 Surveyor -PJM Land Surveying Survey				\$4,000	\$0				
5 IDW Disposal - TIER DE, Inc. IDW Disposal				\$6,840	\$0				
6 Data Validation - Data Validation Services (WBE) Data Validation				\$2,457	\$123				
7 Geophysical Survey - Aestus LLC. Geophysical Survey				\$296,534	\$14,827				
<b>TOTAL</b>				\$481,858	\$23,551				

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

- NOTES: (1) Costs listed in Columns A, B, C & D do not include any management fee costs.  
 (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.  
 (3) 'TOTAL' line, Column I should equal Line 7 (subcontracts), Column C of Summary of Fiscal Information Cost Control Report

**SCHEDULE 2.11 (h)**  
**Hauppauge Area-Wide Groundwater Study (#D-004439-20)**  
**MONTHLY COST CONTROL REPORT - SUMMARY OF LABOR HOURS**  
 Expended to Date/Estimated to Completion  
 [WORKSHEET - To be submitted, but separately]

Page 1 of 1

Billing Period:

NSPE Labor Classification		9	8	7	6	5	4	3	2	1	Tech	Total No. Direct Labor Hours	
Task #	Task Name	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Hours Exp/Est	
Task 1	Detailed Work Plan Development	Exp	0	0	0	0	0	0	0	0	0	0	
		Est	2	18	8	0	0	42	30	35	5	0	140
		2007	0	0	0	0	0	0	0	0	0	0	0
		2008	2	18	8	0	0	42	30	35	5	0	140
		2009	0	0	0	0	0	0	0	0	0	0	0
Task 2	Records Search, Site Reconnaissance & Su	Exp	0	0	0	0	0	0	0	0	0	0	
		Est	2	16	0	0	0	40	250	300	10	0	618
		2007	0	0	0	0	0	0	0	0	0	0	0
		2008	2	16	0	0	0	40	250	300	10	0	618
		2009	0	0	0	0	0	0	0	0	0	0	0
Task 3	Environmental Sampling and Analysis	Exp	0	0	0	0	0	0	0	0	0	0	
		Est	2	32	0	0	0	50	350	400	0	0	834
		2007	0	0	0	0	0	0	0	0	0	0	0
		2008	2	32	0	0	0	50	350	400	0	0	834
		2009	0	0	0	0	0	0	0	0	0	0	0
Task 4	Investigation Report	Exp	0	0	0	0	0	0	0	0	0	0	
		Est	4	32	0	0	0	30	100	70	10	0	246
		2007	0	0	0	0	0	0	0	0	0	0	0
		2008	2	12	0	0	0	10	20	30	0	0	74
		2009	2	20	0	0	0	20	80	40	10	0	172
	Subtotal 2007	hours	0	0	0	0	0	0	0	0	0	0	
	Subtotal 2008	hours	8	78	8	0	0	142	650	765	15	0	1,666
	Subtotal 2009	hours	2	20	0	0	0	20	80	40	10	0	172
	Subtotal Exp	hours	0	0	0	0	0	0	0	0	0	0	
<b>Total Hours Exp</b>			0	0	0	0	0	0	0	0	0	0	
<b>Total Hours Est</b>			10	98	8	0	0	162	730	805	25	0	1,838

## Cost Review for Work Plan or Amendment

**Contractor Name:** Malcolm Pirnie, Inc.  
**WA# and Name:** D004439-20 - Hauppauge Area-wide Groundwater Study

**Reviewer:** Aaron Bobar  
**Date:** 7/2/2008

GENERAL COST REVIEW CHECKLIST		YES	NO	COMMENTS
	A complete set of 2.11 Schedules (a) through (h) is attached.	X		
	For multi-site work assignments, schedule 2.11s are broken down by site.			N/A
<b>1.</b>	<b>Schedule 2.11(a)</b>			
	Rates for indirect costs and fixed-fee match contract rates.	X		
	All numbers rolled up into Schedule 2.11(a) add up.	X		
<b>2.</b>	<b>Schedule 2.11(b) - Direct Labor Hours</b>			
	Average reimbursement rates are used for each year. For future years, an escalation factor of 3% has been used.	X		
	Hours are segregated by year.	X		
	Total cost for each NSPE level is shown.	X		
	Total direct labor costs match amount on Schedule 2.11(a).	X		
	Total hours match hours on Schedule 2.11(h).	X		
	The Principal's (NSPE level 9) labor hours charged to WA is less than 2% of total time.	X		
<b>3.</b>	<b>Schedule 2.11(b-1) - Direct Administrative Labor Hours</b>			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e. within the acceptable guidelines of <4% of WA LOE. Justification is attached for any exceedance.		X	See Attached Memo
<b>4.</b>	<b>Schedules 2.11(c) and (d) - Direct Non-Salary</b>			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or miscellaneous costs match contract Schedule 2.10(b).	X		
	If not, quotes are included for any item (including equipment purchases & rentals; excluding air fare) >\$1k? (For estimated cost, not unit cost.)	X		
	All costs are allowable, e.g. Telephone and shipping cannot be reimbursed as a direct cost if included in ICR; if an item is not in ICR, it should be on 2.10(b) or 2.10(c).	X		
	Appropriate lodging/per diem rates are used.	X		
	Rates are approved for consultant-owned equipment (Schedule 2.10(c)).	X		
	Total direct non-salary costs match amount on Schedule 2.11(a).	X		
	Other direct costs (no. of travel days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	X		
<b>5.</b>	<b>Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts.</b>			
	Proposed subconsultant is on standby, or has DEC-approved rates with another standby consultant.			N/A

## Cost Review for Work Plan or Amendment

Contractor Name:- Malcolm Pirnie, Inc.

Reviewer: Aaron Bobar

WA# and Name: D004439-20 - Hauppauge Area-wide Groundwater Study

Date: 7/2/2008

	<b>Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts (CONTINUED)</b>	<b>YES</b>	<b>NO</b>	<b>COMMENTS</b>
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match.			N/A
	A breakdown of direct non-salary costs in the form of other Schedule 2.11s is provided.			N/A
	Total subcontract amount matches Schedule 2.11(a).			N/A
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.			N/A
	Subcontractor certification(s) have been submitted.			N/A
<b>6.</b>	<b>Schedule 2.11(f) - Unit Price Subcontracts</b>			
	There are there quotes for subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total.	X		
	<i>Standby Drillers</i> (Two phase process) - Costs from at least 3 standbys (or additional quotes from non-standby drillers) are attached. Proper unit costs and mobilization/demobilization costs are used.	X		
	<i>Standby Labs and Data Validators</i> (Used on a rotational basis) - Unit cost per sample matches unit cost in standby contract.	X		
	<i>M/WBE</i> - Cost reasonableness of sole-source M/WBE contracts <\$10k and are documented.	X		See Attached Memo
	Correct management fee is calculated only on non-professional unit priced subs > \$10K and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors, unless the contract specifically allows it.)	X		
	Subcontractor certification(s) have been submitted.	X		
	Justification is attached for any subcontracts > \$100,000 supporting a determination not to design and competitively bid the work through DEC's Remedial Bureau E. Response-type activities (drum removals, soil excavation, and other construction-type activities) typically must be competitively bid.	X		
<b>7.</b>	<b>Schedule 2.11(g) - Cost Control Report</b>			
	Individual 2.11(g)s equal the summary 2.11(g) and costs match 2.11(a).	X		
	PMWP or amendment development costs are within 5% of the total WA or amendment costs. Acceptable justification has been submitted if the percentage exceeds 5%.	X		
	PMWP or amendment development costs are limited to preparing PMWP or amendment. Additional subtasks, if included, have been conceptually approved.	X		
<b>8.</b>	<b>Supplemental 2.11(g) - Cost Control Report (subs)</b>			
	Schedules include all applicable subcontracts and management fee (for unit price only.)	X		
<b>9.</b>	<b>Additional Cost Information/ Comments</b>			

**From:** Lisa Lewis  
**To:** Nelson, Bruce R.  
**CC:** Maloney, Kerry; Thomas, Christine  
**Date:** 5/11/2010 2:28 PM  
**Subject:** Re: Hauppauge Survey - Requote - Approval of MJ Engineering

Hi Bruce-

Once again, thanks for the concise bid package.

MJ Engineering & Land Surveying is approved for performing survey work at the Hauppauge site, WA #D004439-20.

Thanks,  
Lisa

Lisa M. Lewis  
Contract Manager  
NYS Dept. of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Program Management  
Contracts & Payments Section  
625 Broadway, 12th Floor  
Albany, NY 12233-7012

Phone: (518) 402-9601  
Fax: (518) 402-9722  
Email: lmlewis@gw.dec.state.ny.us

>>> "Nelson, Bruce R." <[BNelson@PIRNIE.com](mailto:BNelson@PIRNIE.com)> 5/11/2010 1:42 PM >>>  
Lisa:

As we discussed, attached is the backup for the new survey quotes for Hauppauge. As I mentioned, this was necessary as the original surveyor indicated that they could not perform as we were recently discussed the survey requirements with them.

Fortunately, the new survey quote is even a little less than before.

Please let me know if you need any additional information and if you approve of using MJ for the survey work.

Thanks,

--Bruce

Bruce R. Nelson, C.P.G.  
Senior Associate  
Malcolm Pirnie, Inc.  
855 Route 146, Suite 210  
Clifton Park, NY 12065  
(518) 250-7300 (main number) x 7360 (direct)  
(518) 250-7301 (fax)

[bnelson@pirnie.com](mailto:bnelson@pirnie.com)

**BID COMPARISON FOR SUREVYING SERVICES**  
**Hauppauge Area-Wide Groundwater Study, Smithtown, NY**  
**WA # D004439-20**

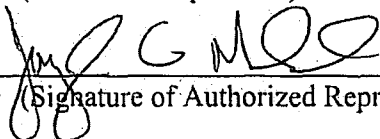
<b>Item</b>	<b>Estimated Quantity</b>	<b>Unit</b>	<b>Popli Engineering + Architecture &amp; L.S., P.C.</b>	<b>MEGA Engineering, Inc.</b>	<b>YEC, Inc.</b>	<b>William D. Youngblood Land Survey</b>	<b>M.J. Engineering and Land Surveying, P.C.</b>
Survey monitoring wells	1	Lump Sum	\$4,770	\$4,290	\$9,750	\$4,620	\$3,850
<b>TOTAL COST:</b>			\$4,770	\$4,290	\$9,750	\$4,620	\$3,850

QUOTATION FORM  
SITE SURVEY  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
ITEM 1. All materials, equipment, labor, and incidentals required for locating environmental sampling locations and generating a table of geographic coordinates and elevations for the sampling locations, the lump sum price of <u>Three thousand, eight hundred and fifty</u> Dollars and <u>none</u> Cents (\$3,850.00 )	Lump sum	<u>\$ 3,850.00</u>
Total Bid - ( <b>Note: Lump Sum should include all applicable taxes</b> )		<u>\$ 3,850.00</u>

For M.J. Engineering and Land Surveying, P.C.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 1533 Crescent Road, Clifton Park, NY 12065

Phone No.: 518.371.0799 FAX No. 518.371.0822

e-Mail address.: jmailnowski@mjels.com

Date: 5/10/2010

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

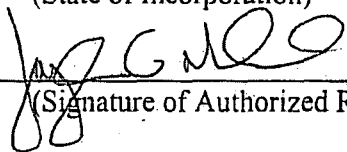
The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For M.J. Engineering and Land Surveying, P.C.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 1533 Crescent Road, Clifton Park, NY 12065

Phone No.: 518.371.0799 FAX No. 518.371.0822

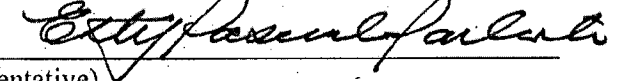
e-Mail address.: jmailinowski@mjels.com

**QUOTATION FORM  
SITE SURVEY  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
<p>ITEM 1. All materials, equipment, labor, and incidentals required for locating environmental sampling locations and generating a table of geographic coordinates and elevations for the sampling locations, the lump sum price of Four Thousand Two Hundred Ninety _____ Dollars and 00/100 _____ Cents (\$ 4,290.00 )</p>	Lump sum	\$ 4,290.00
Total Bid – <b>(Note: Lump Sum should include all applicable taxes)</b>		\$ 4,290.00

For MEGA Engineering, Inc.  
(Corporation Name)

In New Jersey  
(State of Incorporation)

By Esty Pascual Parlanti, President   
(Signature of Authorized Representative)

Business Address: 29 Pangborn Place  
Hackensack, NJ 07601

Phone No.: 201-343-5059 FAX No. 201-34-4992

e-Mail address.: megaeng@earthlink.net

Date: 05/06/2010

**CONFLICT OF INTEREST CERTIFICATION**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

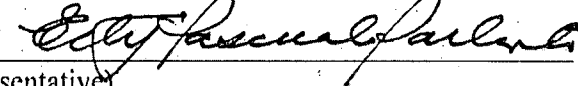
The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For MEGA Engineering, Inc.  
(Corporation Name)

In New Jersey  
(State of Incorporation)

By Esty Pascual Parlanti, President -   
(Signature of Authorized Representative)

Business Address: 29 Pangborn Place  
Hackensack, New Jersey 07601

Phone No.: 201-343-5059 FAX No. 201-343-4992

e-Mail address.: megaeng@earthlink.net

**QUOTATION FORM  
SITE SURVEY  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

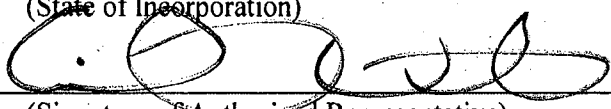
DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
ITEM 1. All materials, equipment, labor, and incidentals required for locating environmental sampling locations and generating a table of geographic coordinates and elevations for the sampling locations, the lump sum price of <u>Four Thousand Seven Hundred Seventy</u> Dollars and <u>no</u> Cents (\$ <u>4,770.00</u> )	Lump sum	\$ <u>4,770.00</u>

Total Bid – **(Note: Lump Sum should include all applicable taxes)** \$ 4,770.00

The PDG lump-sum price is based on the following assumptions:  
1) Each of the ±15 sample locations is accessible.  
2) NYSDOL wage rates do not apply

For Popli, Engineering + Architecture & L.S., P.C.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 555 Penbrooke Dr. Penfield, NY 14526

Phone No.: 585-388-2060 FAX No. 585-388-2070

e-Mail address.: mventuro@popligroup.com

Date: May 6, 2010

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

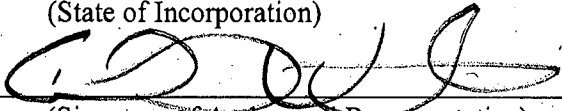
The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For Popli, Engineering + Architecture & L.S., P.C.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 555 Penbrooke Dr. Penfield, NY 14526

Phone No.: 585-388-2060 FAX No. 585-388-2070

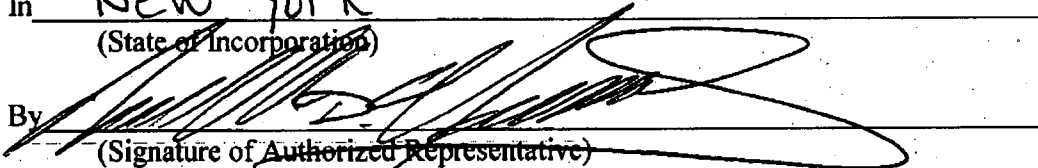
e-Mail address.: mventuro@popligroup.com

**QUOTATION FORM  
SITE SURVEY  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
ITEM 1. All materials, equipment, labor, and incidentals required for locating environmental sampling locations and generating a table of geographic coordinates and elevations for the sampling locations, the lump sum price of <u>Four Thousand Six hundred twenty</u> Dollars and <u>00</u> Cents (\$ 4,620.00 )	Lump sum	<u>\$ 4,620.00</u>
Total Bid – <b>(Note: Lump Sum should include all applicable taxes)</b>		<u>\$ 4,620.00</u>

For William D. Youngblood Land Surveying, PC  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 18 North Main Street  
Harriman NY 10926

Phone No.: 845-782-8543 FAX No. 845-782-5901

e-Mail address: wdyls1@gmail.com

Date: 5/10/10

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

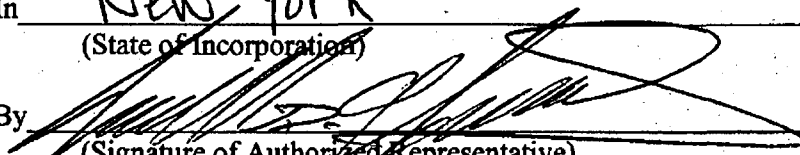
The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For William D. Youngblood Land Surveying, PC  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 18 North Main Street  
Harriman NY 10926

Phone No.: 845-782-8543 FAX No. 845-782-5901

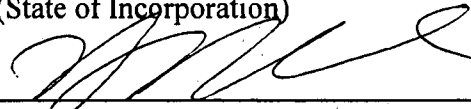
e-Mail address.: wdy1s1@gmail.com

**QUOTATION FORM  
SITE SURVEY  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
ITEM 1. All materials, equipment, labor, and incidentals required for locating environmental sampling locations and generating a table of geographic coordinates and elevations for the sampling locations, the lump sum price of <u>Nine Thousand Seven Hundred Fifty Dollars</u> and <u>Zero</u> Cents (\$ 9,750.00 )	Lump sum	\$ <u>9,750.00</u>
Total Bid – <b>(Note: Lump Sum should include all applicable taxes)</b>		\$ <u>9,750.00</u>

For YEC, Inc.  
(Corporation Name)

In New York  
(State of Incorporation)

By  (Y.S. Ed Chen)  
(Signature of Authorized Representative)

Business Address: 612 Corporate Way, Suite 4M  
Valley Cottage, NY 10989

Phone No.: 845-268-3203 FAX No. 845-268-5313

e-Mail address: edchen.yec@verizon.net

Date: 5/10/2010

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.


The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For YEC, Inc.  
(Corporation Name)

In New York  
(State of Incorporation)

By  (Y.S. Ed Chen)  
(Signature of Authorized Representative)

Business Address: 612 Corporate Way, Suite 4M  
Valley Cottage, NY 10989

Phone No.: 845-268-3203 FAX No. 845-268-5313

e-Mail address.: edchen.yec@verizon.net

**Subcontract Solicitation Record and Certification for Standby Engineering Contracts**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Division of Environmental Remediation

Site/Spill Name Hauppauge Area-wide Groundwater Study

Site/Spill Number \_\_\_\_\_ Contract/WA # D004439-20

**NOTE:** Standby Contractor must obtain Contract Manager approval prior to award of subcontract.

Check the appropriate box and complete the chart below:

- Standby cost-plus-fixed-fee subconsultant selected on rotational basis.
- Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)
- Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

For other unit-price or lump-sum subcontracting work, obtain the necessary number of quotes and complete the chart below:

- Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).
- Total estimated costs range from \$10,000 to \$20,000; three **written** responsive quotes must be obtained and attached.
- Total estimated costs are over \$20,000; five **written** responsive quotes must be obtained and attached.

Note: If unable to obtain a sufficient number of quotes, obtain and attach a minimum of 2 responsive quotes. Attach documentation of attempts made to obtain additional quotes **and** an engineer's estimate to support cost reasonableness.

- Single/sole source procurement (including the usage of an M/WBE firm with estimated costs under \$10,000). Complete the chart below and attach rationale for selecting subcontractor along with the basis for determining cost reasonableness (e.g., an engineer's estimate or one comparative quote).

<b>Subcontractor/Subconsultant</b>	<b>Phone Number</b>	<b>Date</b>	<b>Price Quote</b>
M.S. Engineering and Land Surveying	(518) 371-6799	5/10/2010	\$ 3,850
Popl. Engineering	(585) 388-2060	5/6/2010	\$ 4,770
Mega Engineering	(201) 343-5059	5/6/2010	\$ 4,290
YEC, Inc.	(845) 268-3203	5/10/2010	\$ 9,750
William D. Youngblood Land Survey	(845) 782-8543	5/10/2010	\$ 4,620

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It includes a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors selected on a WA, a new subcontract certification must be submitted.)
4. For subcontracts in excess (or anticipated to be in excess) of \$10,000, the subcontractor submitted an acceptable New York State Vendor Responsibility Questionnaire. Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises (M/WBE) and Conflict of Interest (COI).
6. The subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) are included as appropriate.
9. Documentation supporting this certification is maintained by the Contractor and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative

5/11/10  
Date

Malcolm Pirnie, Inc.  
Contractor Name

D004439-20  
Contract/WA No.

M.J. Engineering and Land Surveying, P.C.  
Subcontractor Name

Rev. 02/11/10

**From:** Lisa Lewis  
**To:** Nelson, Bruce R.  
**CC:** Maloney, Kerry; Thomas, Christine  
**Date:** 10/20/2009 9:56 AM  
**Subject:** Re: Hauppauge Direct-push Contractor - Zebra approval

Hi Bruce-

As we discussed on the phone, MPI's reason for replacing GeoLogic on this work assignment is acceptable. Based upon the submitted bid information, Zebra is approved as the new direct-push subcontractor on D004439-20.

Lisa

Lisa M. Lewis  
Contract Manager  
NYS Dept. of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Program Management  
Contracts & Payments Section  
625 Broadway, 12th Floor  
Albany, NY 12233-7012

Phone: (518) 402-9601  
Fax: (518) 402-9722  
Email: [lmlewis@gw.dec.state.ny.us](mailto:lmlewis@gw.dec.state.ny.us)

>>> "Nelson, Bruce R." <[BNelson@PIRNIE.com](mailto:BNelson@PIRNIE.com)> 10/19/2009 11:29 AM >>>  
Lisa:

As you know, Geologic, our selected contractor for the Geoprobe work at Hauppauge could not perform and we removed them from the project. After this we solicited an additional quote from Zebra to conduct the work and they are now the low-cost proposer. Attached is a summary spread sheet (and other backup) that shows their costs and the other proposers.

As you can see their costs are extremely close to Geologic's original costs.

Please let me know if you need any additional information on this for us to use Zebra.

Thanks,

--Bruce

Please note new address and contact information below:

Bruce R. Nelson, C.P.G.  
Senior Associate  
Malcolm Pirnie, Inc.  
855 Route 146, Suite 210  
Clifton Park, NY 12065  
(518) 250-7300 (main number) x 7360 (direct)  
(518) 250-7301 (fax)

[bnelson@pirnie.com](mailto:bnelson@pirnie.com)



**BID COMPARISON FOR DIRECT-PUSH DRILLING SERVICES**  
**Hauppauge Area-Wide Groundwater Study, Smithtown, NY**  
**WA # D004439-20**

Additional bid  
 requested 9/30/09

Item	Estimated Quantity	Unit	LAWES	AZTECH	GEOLOGIC	SGS	JERSEY BORING & DRILLING	Zebra
Mobilization/ Demobilization	1	Lump Sum	\$2,000	\$6,425	\$800	\$5,500	\$8,500	
Mobilization/ Demobilization	30	per trip						\$175
Decontamination Pad Construction - F&I	1	Each	\$700	\$220	\$150	\$400	\$1,200	\$250
Direct-Push Drilling & Sampling	30	Day	\$1,750	\$1,640	\$1,700	\$1,675	\$1,400	\$1,525
Discreet-interval Groundwater Sampler	30	Day	\$25	\$100	\$0	\$325	\$0	
Discreet-interval Groundwater Sampler	54	per sample						\$25
Direct-push Expendibles	1900	Linear Foot	\$2	\$1.50	\$0	\$3	\$7	
Direct-push Expendibles	380	per 5' macrocore						\$10
Boring Backfill - Bentonite	6400	Linear Foot	\$5	\$1.00	\$2	\$3	\$4	\$1.50
Modified Level D PPE	60	Man/Day	\$50	\$12	\$0	\$25	\$75	
Per Diem	60	Man/Day	\$0	\$255	\$100	\$130	\$85	
UN-Approved Drums	10	Each	\$65	\$48	\$60	\$52	\$150	\$55
steam cleaner	6	per week						\$495
permits	17	per permit						\$125
Subtotal:			\$95,400	\$84,595	\$71,350	\$100,620	\$101,700	\$71,645

Direct-push Drilling Assumptions:

1. Depth to water assumed to be nominal 70 feet bgs across site.
2. Drill at 21 locations to 100 feet bgs.
3. Continuous macro-core soil sampling to water table.
4. Discreet groundwater sampling to total depth, every 15 feet - will result in 5 separate pushes to target depths.
5. Single mobilization to site and up to 30 days on site

# Vendor Responsibility Review

**Contractor Name:** Malcolm Pirnie, Inc.  
**WA # and Name:** D-004439-20, Hauppauge Area-Wide Groundwater Study  
**Subcontractor:** Zebra Environmental Corp.

**Date:** October 16, 2009

VENDOR RESPONSIBILITY REVIEW CHECKLIST		Check	Comments
<b>1. Financial and Organizational Capacity</b>			
NYS Department of State: Confirm no state tax liens <a href="http://appsext8.dos.state.ny.us/stwarrants_public/st_search">http://appsext8.dos.state.ny.us/stwarrants_public/st_search</a>	✓	No state tax liens	
NYS Department of State UCC listings: Confirm no federal tax liens Click on "Other Debtor Search Options" <a href="http://appsext8.dos.state.ny.us/pls/ucc_public/web_search.main_frame">http://appsext8.dos.state.ny.us/pls/ucc_public/web_search.main_frame</a>	✓	No federal tax liens	
US Securities and Exchange Commission: Search for forms, such as annual reports. Use the General Purpose Searches - Company and Other Filers search: <a href="http://www.sec.gov/edgar/searchedgar/webusers.htm">http://www.sec.gov/edgar/searchedgar/webusers.htm</a>	✓	No forms or annual reports	
Review audited financial statements if provided by the vendor or request this information from the vendor if deemed necessary.	✓	Not conducted	
<b>2. Public Information</b>			
NYS Department of State, Division of Corporations: Confirm the required registration for any NYS Vendor that is a corp., limited liability partnership or limited liability company: <a href="http://appsext8.dos.state.ny.us/corp_public/corpsearch.entity_search_entry">http://appsext8.dos.state.ny.us/corp_public/corpsearch.entity_search_entry</a>	✓	NYS Vendor since February 11, 1992 - Current entity status is active	
Confirm Minority-Owned or Woman-Owned Business Enterprise (MBE/WBE) cert. status <a href="http://205.232.252.35/">http://205.232.252.35/</a>	✓	Confirmed neither	
US Department of Labor OSHA (Occupational Safety and Health Administration): Confirm no serious or willful safety violations. <a href="http://www.osha.gov/pls/imis/establishment.html">http://www.osha.gov/pls/imis/establishment.html</a>	✓	No safety violations since 1998	
<b>3. Disbarment</b>			
For contracts requiring use of prevailing wage rates, check the NYS Department of Labor list of willful violators and confirm that the vendor is not debarred. <a href="https://dbr.labor.state.ny.us/EDList/searchPage.do">https://dbr.labor.state.ny.us/EDList/searchPage.do</a>	✓	Vendor is not disbarred	
U.S. Government list of excluded parties: Confirm that Vendor is not debarred from federal procurement and non-procurement programs. <a href="http://www.epls.gov">http://www.epls.gov</a>	✓	Vendor is not disbarred	
NYS OGS Advisory Council on Procurement Lobbying: Confirm the vendor has not been determined non-responsible or debarred from contracting with the State. <a href="http://www.ogs.state.ny.us/aboutOgs/regulations/defaultAdvisoryCouncil.html">http://www.ogs.state.ny.us/aboutOgs/regulations/defaultAdvisoryCouncil.html</a>	✓	Vendor has not been determined non-responsible or debarred	
Federal Trade Commission - Bureau of Competition: Confirm no anti-trust investigations. <a href="http://www.ftc.gov/os/caselist/index.shtm">http://www.ftc.gov/os/caselist/index.shtm</a>	✓	No anti-trust investigations	
<b>4. Performance</b>			
For contracts where references were requested as part of the procurement process, these references can serve to satisfy the question of past performance. If the vendor has contracted with DEC or other state agencies in the past, try to contact the person who administered the contract to determine their level of satisfaction with the vendor's performance. In addition, check websites that provide general information including recent news articles and basic financial information, for example:			
Google: an advanced Google search can be done for company name and key words such as fines, penalties, fraud, investigation, bankruptcy, arrest, conviction, or indictment. <a href="http://www.google.com">http://www.google.com</a>	✓	No negative articles for Vendor	
Business.com <a href="http://www.business.com">http://www.business.com</a>	✓	No negative articles for Vendor	

**BID FORM - DIRECT PUSH DRILLING/ SOIL SAMPLING/ GROUNDWATER SAMPLING  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY, TOWN OF SMITHTOWN, NEW YORK**

NAME OF BIDDING FIRM: ZEBRA Environmental Corp.

DATE: October 2, 2009

Item	Unit Cost / Unit
<b>Direct Push Drilling/ Sampling Unit Costs</b>	
Mobilization/ Demobilization	\$175./trip /ump-sum
Decontamination Pad construction (furnished & installed)	\$250./ea.
Direct-push Drilling (including all materials and equipment)	\$1,525./Day
Groundwater Sampler (per day fee if applicable)	See below /Day
Direct-push expendables	See below /linear foot
Boring Backfill - Bentonite	\$1.50/linear foot
Modified Level D PPE	Included /man/day
Per diem - drilling crew	Included /man/day
UN-Approved Drums	\$55./each
<b>Other Unit Costs Not Included Above:</b>	
Groundwater Samples	\$25./samples
Soil Samples	\$10./sample
Steam Cleaner	\$495./week
Sand/Concrete/Blacktop	\$10./bag
Town of Smithtown Permits	\$125./permit

\* Please note that ZEBRA is assuming that there will be a staging area available for a Decon Pad & Drum Storage area. Additional costs may be required if a staging area is not available.

**Also note: State or local taxes if applicable are not included in our pricing**

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For ZEBRA Environmental Corp.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 30 N. Prospect Avenue

Lynbrook, NY 11563

Phone No.: (516) 596-6300

FAX No. (516) 596-4422

c-Mail address.: david@zebraenv.com

**Subcontract Solicitation Record and Certification for Standby Engineering Contracts**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Division of Environmental Remediation

Site/Spill Name Hauppauge Area-wide Groundwater Study

Site/Spill Number 1-52-221 Contract/WA # D004439-20

**NOTE:** Standby Contractor must obtain Contract Manager approval prior to award of subcontract.

Check the appropriate box and complete the chart below:

- Standby cost-plus-fixed-fee subconsultant selected on rotational basis.
- Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)
- Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

For other unit-price or lump-sum subcontracting work, obtain the necessary number of quotes and complete the chart below:

- Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).
- Total estimated costs range from \$10,000 to \$20,000; three written responsive quotes must be obtained and attached.
- Total estimated costs are over \$20,000; five written responsive quotes must be obtained and attached.

Note: If unable to obtain a sufficient number of quotes, obtain and attach a minimum of 2 responsive quotes. Attach documentation of attempts made to obtain additional quotes and an engineer's estimate to support cost reasonableness.

- Single/sole source procurement (including the usage of an M/WBE firm with estimated costs under \$10,000). Complete the chart below and attach rationale for selecting subcontractor along with the basis for determining cost reasonableness (e.g., an engineer's estimate or one comparative quote).

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
Zebra Environmental Corp.	(516) 596-6300	10/2/09	\$71,645
Aztech Technologies	(516) 885-5383	2/14/08	\$84,595
LAWES	(516) <sup>(631)</sup> 874-2112	2/13/08	\$95,400
SGS Environmental Services	(609) 294-1110	2/14/08	\$100,620
Jersey Boring & Drilling	(973) 242-3800	2/14/08	\$101,700



**From:** Lisa Lewis  
**To:** Nelson, Bruce R.  
**Date:** 10/16/2009 1:35 PM  
**Subject:** Re: FW: Hauppauge IDW drums - approval of TIER cost increase

Hi Bruce-

This is an easy one!

I'd say that the easiest route to take for both you and NYSDEC is for TIER to just do the work for \$915. This amount is under the \$1,000 threshold for requiring quotes, and there's no need (in my opinion) for them to "reimburse" you on a different project, either. We can just include this minor increase in whatever overage there is at closeout.

Sorry for the delay in responding - I attacked my e-mails in reverse chronological order.

Lisa

Lisa M. Lewis  
Contract Manager  
NYS Dept. of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Program Management  
Contracts & Payments Section  
625 Broadway, 12th Floor  
Albany, NY 12233-7012

Phone: (518) 402-9601  
Fax: (518) 402-9722  
Email: lmlewis@gw.dec.state.ny.us

>>> "Nelson, Bruce R." <[BNelson@PIRNIE.com](mailto:BNelson@PIRNIE.com)> 10/14/2009 3:05 PM >>>  
Lisa:

Here is another one for your advice. There are 4 IDW drums at Hauppauge that we expect to be managed as non-hazardous (analytical results still pending). The low cost proposer, TIER, is not willing to use the per drum price for so few drums, especially after more than a year after their quote. We can try to move on to the next lowest proposer, but may run into the same issue or perhaps proceed by one of the paths proposed by TIER.

Glad to discuss at your convenience.

Thanks,

--Bruce

From: Flusche, Mark A.  
Sent: Wednesday, October 07, 2009 3:11 PM  
To: Nelson, Bruce R.  
Subject: FW: Hauppauge IDW drums

Bruce,

Below is a message from TIER indicating that they will not be able to dispose of the four drums of IDW at the Hauppauge site for the quoted unit rate of \$124 per non-hazardous drum (for a total of \$496). Two

options TIER suggested would be that they could charge us a minimum fee of \$915 and subtract the difference (between \$915 and \$496) from a future invoice or they could provide a new quote for \$915 for these four drums and apply the originally quoted rates to future drum disposals. If neither of these options are acceptable to NYSDEC then we will need to explore selecting one of the other three bidders.  
-Mark

From: Larry Caldwell [<mailto:LCaldwell@tierde.com>]  
Sent: Wednesday, October 07, 2009 3:01 PM  
To: Flusche, Mark A.  
Subject: Hauppauge IDW drums

Mark,

As we discussed, TIER will be unable to remove the 4 drums ready for shipment at Hauppauge site based on the original contract unit price. Had we based our unit cost on a small shipment such as 4 drums, the unit cost per drum would have been driven much higher due to transportation minimums.

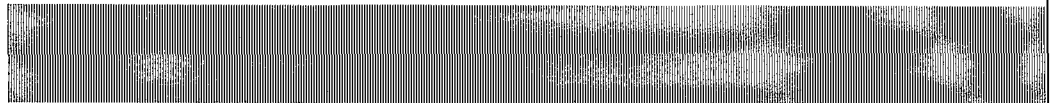
Larry Caldwell

Lawrence F. Caldwell  
TIER Environmental, LLC  
5745 Lincoln Hwy  
Gap, PA 17527  
Toll Free: 800 652-4400 ext 102  
Fax: 717 442-6336  
Cell: 484 571-7371  
[LCaldwell@TIERDE.com](mailto:LCaldwell@TIERDE.com)

**New York State Department of Environmental Conservation**  
**Hauppauge Area-wide Groundwater Study PMWP**  
**Appendix B: Schedule 2.11s**

---

## **Schedule 2.11 Worksheets**



**Engineer/Contract Number:** Malcolm Pirnie / D-004439  
**Project Name:** Hauppauge Area-Wide Groundwater Study  
**Work Assignment Number:** WA-20

**Date Prepared:** 7/2/2008

**DETAILED BREAKDOWN OF  
 DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED ON SCHEDULE 2-11(b-1)  
 [WORKSHEET - to be sent with Work Plan, but separately]**

ADMIN. TASKS	Work Plan Development										Review Work Assignment (WA) Progress																
	Conflict of Interest Checks					Schedule & Supporting Documentation					Conduct Progress Reviews					Prepare Monthly Project Report & Update Progress Schedule											
	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1
NSPE Level																											
Task 1		1									2			8			2			5						4	
Task 2																											
Task 3																											
Task 4																											
Subtotal	0	1	0	0	0	0	0	0	0	0	2	0	0	8	0	0	2	0	0	5	0	0	0	0	0	4	0
TOTAL	1					12					9					12											

**Engineer/Contract Number:** Malcolm Pirnie / D-004439  
**Project Name:** Hauppauge Area-Wide Groundwater Study  
**Work Assignment Number:** WA-20

**Date Prepared:** 7/2/2008

**DETAILED BREAKDOWN OF  
 DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED ON SCHEDULE 2-11(b-1)  
 [WORKSHEET - to be sent with Work Plan, but separately]**

ADMIN. TASKS	Review Work Assignment (WA) Progress										C.A.P. PREPARATION																									
	MBE/WBE Activities					Program Management Reviews					Prepare Monthly Cost Control Report and CAP					Oversee CAP Preparation																				
NSPE Level	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1
Task 1		4				2																			3											
Task 2											3									4					3											
Task 3											3									4					3				4							
Task 4											3									4					3											
Subtotal	0	4	0	0	0	2	0	0	0	0	9	0	0	0	0	0	0	0	0	12	0	0	0	0	12	0	0	0	4	0	0	0	0	0	0	0
TOTAL	6					9					24					4																				

**Engineer/Contract Number:** Malcolm Pirnie / D-004439  
**Project Name:** Hauppauge Area-Wide Groundwater Study  
**Work Assignment Number:** WA-20

**Date Prepared:** 7/2/2008

**DETAILED BREAKDOWN OF  
 DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED ON SCHEDULE 2-11(b-1)  
 [WORKSHEET - to be sent with Work Plan, but separately]**

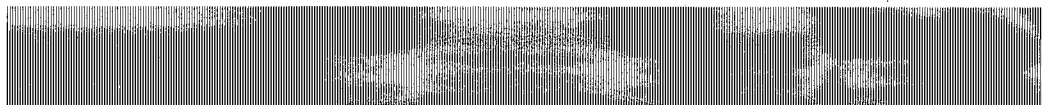
ADMIN. TASKS	MISCELLANEOUS																		Word Processing and Report Preparation										TOTAL DIRECT ADMIN. LABOR HOURS									
	NSPE List Updates										Equipment Use and Inventory																											
NSPE Level	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1		
Task 1																												0	20	0	0	0	10	3	10	0		
Task 2																												0	7	0	0	0	0	3	0	0		
Task 3																												0	11	0	0	0	0	3	0	0		
Task 4																							5		20			0	7	0	0	0	5	3	20	0		
Subtotal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	20	0	0	45	0	0	0	15	12	30	0		
TOTAL	0										0								25										102 6%									

<b>Table 2.11 (c)</b>				
<b>DETAILED BREAKDOWN OF DIRECT NON-SALARY COSTS</b>				
D-004439-20				
Hauppauge Area-Wide Groundwater Study				
<b>[WORKSHEET - to be submitted with Work Plan, but separately]</b>				
Item	Maximum Reimbursement Rate	Estimated Number of Units	Estimated Cost	Total Estimated Cost
<b>Task 1 Detailed Work Plan Development</b>				
<i>Travel &amp; Subsistence</i>				
1 Mileage	\$0.585 /mile	0 miles	\$0.00	
2 Subsistence	At Cost	At Cost	\$0.00	
3 Per diem (full day)	\$223 /day	0 days	\$0.00	
4 Per Diem (1st day & lodging)	\$207 /day	0 days	\$0.00	
5 Per Diem (last day & 75% meals)	\$48 /day	0 days	\$0.00	\$0.00
<i>Other Direct Costs</i>				
1 Reproduction	\$0.06 /page	0 copies	\$0.00	
2 Mail	At Cost	At Cost	\$200.00	
3 PC	\$0.00 /hour	0 hours	\$0.00	
4 CADD	\$0.00 /hour	0 hours	\$0.00	
3 Communication	At Cost	At Cost	\$0.00	\$200.00
TOTAL - Task 1				\$200.00
<b>Task 2 Records Search, Site Reconnaissance &amp; Survey</b>				
<i>Travel &amp; Subsistence</i>				
1 Mileage	\$0.585 /mile	4,500 miles	\$2,632.50	
2 Subsistence	At Cost	At Cost	\$0.00	
3 Per diem (full day)	\$191 /day	27 days	\$5,157.00	
4 Per Diem (1st day & lodging)	\$48 /day	9 days	\$432.00	
5 Per Diem (last day & 75% meals)	\$48 /day	9 days	\$432.00	\$8,653.50
<i>Other Direct Costs</i>				
1 Reproduction	\$0.06 /page	0 copies	\$0.00	
2 Mail	At Cost	At Cost	\$0.00	
3 PC	\$0.00 /hour	0 hours	\$0.00	
4 CADD	\$0.00 /hour	0 hours	\$0.00	
3 Communication	At Cost	At Cost	\$0.00	\$0.00
TOTAL - Task 2				\$8,653.50
<b>Task 3 Environmental Sampling and Analysis</b>				
<i>Travel &amp; Subsistence</i>				
1 Mileage	\$0.585 /mile	3,500 miles	\$2,047.50	
2 Subsistence	At Cost	At Cost	\$0.00	
3 Per Diem (full day)	\$191 /day	24 days	\$4,584.00	
4 Per Diem (first day & lodging)	\$48 /day	8 days	\$384.00	
5 Per Diem (last day & 75% meals)	\$48 /day	8 days	\$384.00	\$7,399.50
<i>Other Direct Costs</i>				
1 Reproduction	\$0.06 /page	0 copies	\$0.00	
2 Mail	At Cost	At Cost	\$1,250.00	
3 PC	\$0.00 /hour	0 hours	\$0.00	
4 CADD	\$0.00 /hour	0 hours	\$0.00	
3 Communication	At Cost	At Cost	\$0.00	\$1,250.00
TOTAL - Task 3				\$8,649.50
<b>Task 4 Investigation Report</b>				
<i>Travel &amp; Subsistence</i>				
1 Mileage	\$0.585 /mile	0 miles	\$0.00	
2 Subsistence	At Cost	At Cost	\$0.00	
3 Per diem (full day)	\$191 /day	0 days	\$0.00	
4 Per Diem (1st day & lodging)	\$48 /day	0 days	\$0.00	
5 Per Diem (last day & 75% meals)	\$48 /day	0 days	\$0.00	\$0.00
<i>Other Direct Costs</i>				
1 Reproduction	\$0.06 /page	0 copies	\$0.00	
2 Mail	At Cost	At Cost	\$250.00	
3 PC	\$0.00 /hour	0 hours	\$0.00	
4 CADD	\$0.00 /hour	0 hours	\$0.00	
3 Communication	At Cost	At Cost	\$0.00	\$250.00
TOTAL - Task 4				\$250.00
<b>TOTAL - All Tasks.</b>				<b>\$17,753.00</b>

**New York State Department of Environmental Conservation**  
Hauppauge Area-wide Groundwater Study PMWP  
Appendix B: Schedule 2.11s

---

## **Summary of Bids and Cost Backup**



**BID COMPARISON FOR DIRECT-PUSH DRILLING SERVICES**  
**Hauppauge Area-Wide Groundwater Study, Smithtown, NY**  
**WA # D004439-20**

Item	Estimated Quantity	Unit	LAWES	AZTECH	GEOLOGIC	SGS	JERSEY BORING & DRILLING
Mobilization/ Demobilization	1	Lump Sum	\$2,000	\$6,425	\$800	\$5,500	\$8,500
Decontamination Pad Construction - F&I	1	Each	\$700	\$220	\$150	\$400	\$1,200
Direct-Push Drilling & Sampling	30	Day	\$1,750	\$1,640	\$1,700	\$1,675	\$1,400
Discreet-interval Groundwater Sampler	30	Day	\$25	\$100	\$0	\$325	\$0
Direct-push Expendibles	1470	Linear Foot	\$2	\$1.50	\$0	\$3	\$7
Boring Backfill - Bentonite	6510	Linear Foot	\$5	\$1	\$2	\$3	\$4
Modified Level D PPE	60	Man/Day	\$50	\$12	\$0	\$25	\$75
Per Diem	60	Man/Day	\$0	\$255	\$100	\$130	\$85
UN-Approved Drums	10	Each	\$65	\$48	\$60	\$52	\$150
Subtotal:			\$95,090	\$84,060	\$71,570	\$99,660	\$99,130

Direct-push Drilling Assumptions:

1. Depth to water assumed to be nominal 70 feet bgs across site.
2. Drill at 21 locations to 100 feet bgs.
3. Continuous macro-core soil sampling to water table.
4. Discreet groundwater sampling to total depth, every 15 feet - will result in 5 separate pushes to target depths.
5. Single mobilization to site and up to 30 days on site

**BID COMPARISON FOR ROTARY DRILLING SERVICES  
GROUNDWATER MONITORING WELL INSTALLATION  
Hauppauge Area-Wide Groundwater Study, Smithtown, NY  
WA # D004439-20**

Item	Estimated Quantity	Unit	Nothnagle	Buffalo Drilling	American Auger	Aztech
Mobilization/ Demobilization	1	Lump Sum	\$40,000.00	\$25,000.00	No Bid Provided	\$1,645.00
Per Diem	50	Man/Day	\$300.00	\$500.00	No Bid Provided	\$255.00
PPE (Level D)	50	Man/Day	\$8.00	\$5.00	\$10.00	\$0.00
Drilling - 4 1/4-inch HSA	900	Linear Feet	\$12.00	\$11.00	\$13.00	\$13.10
Split-spoon Sampling	450	Each	\$16.00	\$20.00	\$20.00	\$4.00
Well Screen - Machine Slotted 2.0-inch dia.	100	Linear Feet	\$14.00	\$12.00	\$5.00	\$4.24
Well Riser - PVC 2-inch dia.	800	Linear Feet	\$8.00	\$10.00	\$3.00	\$2.97
Filter Pack	120	Linear Feet	\$8.00	\$3.00	\$8.00	\$4.90
Bentonite Seal	20	Linear Feet	\$22.50	\$10.00	\$17.00	\$12.84
Riser Backfill - Cement/Bentonite Grout	760	Linear Feet	\$7.00	\$3.00	\$8.00	\$7.55
Flush-mount Protective Casing	10	Each	\$150.00	\$150.00	\$225.00	\$97.15
Containerize Cuttings - Drums	25	Each	\$30.00	\$65.00	\$40.00	\$48.50
Containerize Cuttings - Labor	15	Hour	\$25.00	\$125.00	\$125.00	\$55.00
Well Development - Overpump/ Surge	15	Hour	\$130.00	\$125.00	\$100.00	\$157.00
Decontamination Pad Construction	10	Each	\$250.00	\$250.00	\$300.00	\$420.00
Decontamination - Labor	5	Hour	\$130.00	\$125.00	\$125.00	\$110.00
Water Tanker	25	day	\$75.00	\$50.00	\$100.00	\$135.00
Fill Tanker (Standby)	10	Hour	\$130.00	\$125.00	\$125.00	\$135.00

<b>TOTAL COST:</b>	\$98,830	\$93,690	No Bid Provided	\$52,207
--------------------	----------	----------	-----------------	----------

**Rotary Drilling Assumptions:**

1. Depth to water assumed to be nominal 70 feet bgs across site.
2. Install 10 groundwater monitoring wells using rotary drilling methods (Hollow-Stem Augers) to 60 feet bgs.
3. 10-foot screened interval from 90 feet bgs to 80 feet bgs.
4. Well installed with appropriate filter pack and 2-foot bentonite seal, cement/bentonite grout to surface.
5. Single mobilization to site and up to 25 days for well installations and development.
6. Assume continuous split-spoon sampling from surface to total boring depth in all wells for characterization/sampling.

**BID COMPARISON FOR SUREVYING SERVICES**  
**Hauppauge Area-Wide Groundwater Study, Smithtown, NY**  
**WA # D004439-20**

<b>Item</b>	<b>Estimated Quantity</b>	<b>Unit</b>	<b>Massand Engineering</b>	<b>YEC, Inc.</b>	<b>PJM Land Surveying</b>
Project Base Map Development	1	Lump Sum	\$11,850	\$11,000	\$4,000

<b>TOTAL COST:</b>	\$11,850	\$11,000	\$4,000
--------------------	----------	----------	---------

**BID COMPARISON FOR IDW DISPOSAL SERVICES**  
**Hauppauge Area-Wide Groundwater Study, Smithtown, NY**  
**WA # D004439-20**

<b>Item</b>	<b>Estimated Quantity</b>	<b>Unit</b>	<b>EWMI</b>	<b>EPS</b>	<b>Precision Industrial</b>	<b>Tier De</b>
Non-Hazardous Disposal	10	Drum	\$100	\$176	\$299	\$124
Hazardous Diaposal	25	Drum	\$290	\$221	\$399	\$224

<b>TOTAL COST:</b>	\$8,250	\$7,279	\$12,965	\$6,840
--------------------	---------	---------	----------	---------

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative

MALCOLM PIRNIE, INC.

Contractor Name

CHEMTECH

Subcontractor Name

7/2/2008

Date

D004439-20

Contract No. WA No.

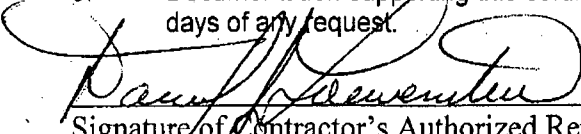
3/2/07

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative

7/2/2008  
Date

MALCOLM PRENZE, INC.  
Contractor Name

DC04439-20  
Contract No. WA No.

AZTECH TECHNOLOGIES  
Subcontractor Name

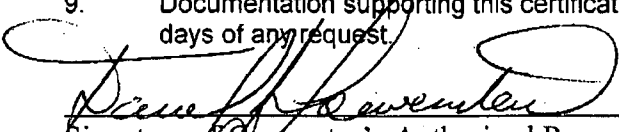
3/2/07

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative

7/2/2008  
Date

MALCOLM PIRUZE, INC.  
Contractor Name

D004439-20  
Contract No. WA No.

GEOLOGIC, NY, INC.  
Subcontractor Name

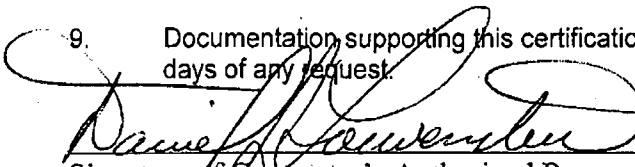
3/2/07

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative

Contractor Name

Subcontractor Name

7/2/2008

Date

D004439-20

Contract No. WA No.

PJM LAND SURVEYING

3/2/07

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative

MALCOLM PZANZE, INC.

Contractor Name

TIER DE, INC.

Subcontractor Name

7/2/2008  
Date

D000489-20

Contract No. WA No.

3/2/07

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

Signature of Contractor's Authorized Representative

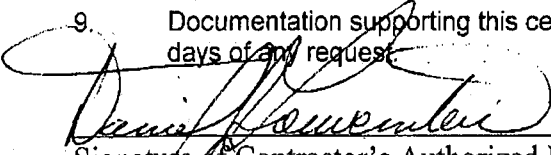
Date

Contractor Name

Contract No. WA No.

Subcontractor Name

3/2/07

  
MACCOLM PIRUZE, INC

7/2/2008

D004439-20

DATA VALIDATION SERVICES

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative

Contractor Name

Subcontractor Name

7/2/2008

Date

MALCOLM PIZUZE, INC.

D004439-20

Contract No. WA No.

AESTUS, LLC

3/2/07

## Interoffice Correspondence

---

Date: July 2, 2008  
To: FILE: Hauppauge Area-wide Groundwater Study WA D004439-20  
Copy: Malcolm Pirnie Project File, 0266374  
From: Aaron Bobar, ALB  
Re: Direct Administration Labor Hours

Direct administration labor hours for the Hauppauge Area-Wide Groundwater Study WA scope exceeded 4% of the overall anticipated Work Assignment costs. However, the direct administration labor hours were tabulated using the guidance contained in the NYSDEC Handbook for Standby Consultant Contract (Attachment #12) and the hours do not exceed the allowable hours for each of the listed administrative tasks.



## Interoffice Correspondence

---

**Date:** July 2, 2008  
**To:** FILE: Hauppauge Area-wide Groundwater Study, WA-D004439-20  
**Copy:** Malcolm Pirnie Project File, 0266374  
**From:** Aaron Bobar ALB  
**Re:** Data Validation Sole Source Costs

Malcolm Pirnie has reviewed the cost for data validation provided by Data Validation Services, and we believe that it is reasonable based on cost proposals we have received for similar services during the last 6 months.

Akb  
H:\PROJECT\0266374\FILE\Draft PMWP\Budget 2.11s\Bid Backup\Data Validation Memo.doc

**TABLE 1**  
**Summary of Budget/Schedule/Scope of Work for Aestus, LLC GEOTRAX SURVEY™ SERVICES<sup>1</sup>**  
**Hauppauge, New York Industrial Park**  
**Malcolm Pirnie/NYDEC**

<b>BUDGET ESTIMATE</b>		
<b>Task No.</b>	<b>Task Description</b>	<b>Total</b>
<b>Phase I - Site Logistics &amp; Planning</b>		
1.0	Site Reconnaissance/Utility Locate, Site Visit by Aestus Representative	\$ 3,488.00
2.0	Project Set-up and Planning (Finalize Survey Locations), Traffic Control Research	\$ 4,605.00
<b>Subtotal - Phase I Work Scope</b>		<b>\$ 8,093.00</b>
<b>Phase II - Data Acquisition &amp; Processing/DRAFT Report</b>		
3.0	Mobilization	\$ 7,571.85
4.0	GeoTrax Survey™ Work Industrial Park (Overnight) Incl. Traffic Control	\$ 235,122.54
5.0	Demobilization	\$ 6,742.75
6.0	Proprietary Aestus Data Processing	\$ 16,097.13
7.0	Generate DRAFT Report (GeoTrax Survey™ Data) Including 3-D Visualizations	\$ 15,221.38
<b>Subtotal - Phase II Work Scope</b>		<b>\$ 280,755.64</b>
<b>Phase III - Data Calibration and FINAL Report</b>		
8.0	Post Confirmation Boring Data and Generate Final Report	\$ 7,685.55
<b>Subtotal - Phase III Work Scope</b>		<b>\$ 7,685.55</b>
<b>Total Project Cost</b>		<b>\$ 296,534.19</b>

<b>SCHEDULE ESTIMATE</b>	
Number of Survey Days Anticipated for 7.0 Meter Surveys (Exclusive of Weather Delays)	31.0
Number of Survey Days Anticipated for 1.75 Meter Surveys (Exclusive of Weather Delays)	13.0
Total number of Survey Days Anticipated for all Surveys	44.0
<b>Total calculated number of calendar weeks anticipated (Includes work and rest periods)</b>	<b>8.8</b>

<b>BUDGET ANALYSIS &amp; SCOPE OF WORK SUMMARY</b>	
Total Number of Surveys Anticipated	88
Budgeted Cost of Surveys, Data Reduction, Reports Only (exclusive of planning/mob/demob)	\$ 274,127
Average Price per Survey Day (exclusive of project prep & mob/demob) (Including data reduction and reporting)	\$ 6,230
Average Price per Survey (exclusive of project prep & mob/demob)	\$ 3,115
Factors increasing price on this project (as shown on Figure 4)	All
Factors decreasing price on this project (as shown on Figure 4)	None
Is Price within normal Aestus price range given site constraints	Yes
Total length of lines surveyed (feet)	80,802
Total length of survey lines (miles)	15
Estimated Number of Soil Borings/Wells to Provide Similar Subsurface Coverage (Assume one well every 20-feet)	2,126
Estimated Cost of Soil Borings/Wells to Provide Similar Coverage (Assume \$10K/well up to 250' deep)	\$ 21,263,684
<b>Percent of GeoTrax Survey™ Assessment Cost relative to Conventional Assessment Cost<sup>a</sup></b>	<b>1.29%</b>

**Note:**  
a. This analysis is intended to be generic relative to comparison of data density between use of conventional monitoring wells and Aestus' GeoTrax Survey™; this analysis has not included any site specific variables or historical/projected costs.



## Interoffice Correspondence

---

**Date:** July 2, 2007  
**To:** FILE: K.P. Edwards/ Americana Laundromat WA D004439-20  
**Copy:** Malcolm Pirnie Project File, 0266374  
**From:** Aaron Bobar, ALB  
**Re:** Aestus, LLC Sole-source Subcontract

Based on a review of similar technologies, Malcolm Pirnie believes that the electro-resistivity imaging technology provided by Aestus, LLC is only provided by Aestus, LLC. No other firms were found during a reasonable search that could provide a similar ERI technology with similar capabilities as presented by Aestus, LLC. Please see the attached sole-source letter from Aestus, LLC, dated November 13, 2007, which is included and made part of this correspondence.

Attachment – Aestus LLC Sole-source letter dated November 13, 2007.

Akb  
H:\PROJECT\0266374\FILE\Draft PMWP\Budget 2.11s\Bid Backup\Aestus.doc

November 13, 2007

Mr. Peter R. Miller  
Engineering Geologist 2  
Department of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Technical Support  
6274 East Avon-Lima Road  
Avon, New York 14414



2605 Dotsero Court  
Loveland, CO 80538  
970.278.4090  
Fax: 970.667.1989

7-118-00

**Sole Source Justification Information  
Aestus' GeoTrax Survey™ Technology  
Considered for Work at NYDEC/DER's  
Bath, NY Site**

Dear Pete:

As requested, this letter provides information relative to facilitating a sole source justification for using Aestus, LLC.'s (Aestus') proprietary subsurface imaging technology at NYDEC/DER's Bath, New York site and potentially other project sites. Aestus understands that the NYDEC/DER desires to use our GeoTrax Survey™ technology to assist in characterizing light non-aqueous phase liquids (LNAPL) related contamination in the subsurface at the Bath, NY Site.

For a site such as the Bath, NY Site, where migration pathways and distribution of LNAPLs in the subsurface are uncertain and likely sporadic in nature, we believe Aestus' GeoTrax Survey™ techniques may be invaluable because potential subsurface liabilities can typically be detected more readily and more cost-effectively relative to solely performing conventional drilling techniques and follow-on laboratory analysis. Should additional investigation be needed, that subsequent investigation scope of work will be better directed and more focused, saving both time and money. In addition, because our survey techniques are essentially non-intrusive, potential damage to subsurface utilities is avoided.

GeoTrax Survey™ Technology Overview

Aestus' GeoTrax Survey™ uses non-intrusive electrical resistivity tomography technology to scan the subsurface for a variety of anomalies. This technology has been successfully used for a number of applications including locating environmental impacts, buried tanks, landfill and burial pit boundaries, and presence or absence of contaminant transport channels. Our GeoTrax Survey™ technology is based on conventional resistivity imaging techniques. However, Aestus (in concert with Oklahoma State University) has vastly improved the technology and apply our proprietary data collection algorithms and software to achieve more comprehensive data collection, higher data quality, and ultimately increased image resolution, relative to other firms using similar

equipment. In addition, we are able to successfully image subsurface anomalies at sites on which competing technologies such as ground penetrating radar, conventional electrical resistivity techniques, and electromagnetic surveys either fail to perform or simply do not have sufficient resolution to achieve the project objective.

At the conclusion of a survey, we produce a two-dimensional image (analogous to a CAT-scan in the medical industry) of the subsurface that graphically illustrates the presence or absence of subsurface anomalies (see technology overview and case studies provided at [www.aestusllc.com](http://www.aestusllc.com) for further details). Aestus' GeoTrax Survey™ is quicker, less intrusive, and less expensive than alternative investigation methods and also provides data along a continuous survey line versus data collected from discrete points such as soil borings. Continuous data eliminates interpolation between data points such as soil borings or wells, and assists in confirming or redefining the site conceptual model.

#### Sole Source Justification Parameters

Aestus understands and respects the NYDEC/DER's standard approach of competitively bidding all projects to be able to effectively procure outside services at reasonable pricing. In the case of Aestus' services, to the best of our knowledge we are the only world-wide provider of electrical resistivity surveys with resolution as high as our GeoTrax Survey™ tool which has yielded "drillable" subsurface images on multiple sites in the United States and internationally. This fact has been independently verified by the Environmental Protection Agency's Robert S. Kerr Environmental Research Center/Ground Water and Ecosystems Restoration Research Laboratory located in Ada, Oklahoma (see case study on pages 5 and 6 of Aestus' Technology Overview document contained in Attachment A to this letter).

In addition, the key piece of our proprietary technology was developed at Oklahoma State University and Aestus has entered into an exclusive international licensing arrangement with OSU relative to the use of this technology. To further reduce costs to our clients in the long term, we are actively seeking to sublicense this technology so that local firms around the nation can use our technology with little to no mobilization costs. However, Aestus is the sole provider of this technology as of the date of this letter.

At NYDEC/DER's request, we conducted an internet search for potential competitors providing a similar technology to Aestus' GeoTrax Survey™. We found the below companies that provide standard electrical resistivity techniques. Some of these firms advertise contaminant plume mapping as one application of standard ERI. One firm even advertises as high resolution. However, none of these companies advertised case studies demonstrating third party proven results (via drilling) relative to successfully locating LNAPLs and dissolved phase contamination on multiple sites. Additionally, our experience in talking with representatives of these firms at conferences is that they are using the standard resolution ERI techniques which Aestus has demonstrated as inadequate to sufficiently characterize LNAPL sites.

- Forrest Environmental Services
- Environmental Science & Engineering, Inc. Dalton, Georgia
- Zonge

Mr. Peter R. Miller  
November 13, 2007  
Page 3 of 3

- Hydrogeophysics
- Northeast Geophysics
- ARM Geophysics
- Geometrics, Inc.

In our six year company history, one of our repeat clients has opted to use one of the abovementioned firms based on lower cost and the hope that the standard ERI techniques would sufficiently address our clients' needs. We were just recently advised by this client (in the context of work performed in September 2007 on a NYDEC site) that the three field geologists that had used both geophysical firms said they wanted to use Aestus in the future based on quality of work and high resolution capabilities.

Our costs are based on the standard consulting firm pricing model and are very reasonable relative to value added to the typical environmental project. Specifically, we build our cost estimates based on number of hours worked by professional staff and expenses incurred during travel, transport of equipment, etc. Our costs are very linear and so additions/deletions from an estimated work scope are easy to manage and track.

#### Closing Remarks

We appreciate NYDEC/DER's interest in Aestus' GeoTrax Survey™ technology and we look forward to the prospect of working with you on this project. We believe that our GeoTrax Survey™ technology is an excellent choice for accomplishing the overall project objectives related to subsurface characterization at this site.

Please contact me at 970.278.4090 if you have any questions regarding this letter.

Very Truly Yours,

**Aestus, LLC**

**Sent Via Email on 11-13-07**

Stuart W. McDonald, P.E.  
President

Enclosures

cc: Dr. Todd Halihan, Aestus, LLC  
Marcy Stonecipher, Aestus, LLC  
Reed Terry, Aestus, LLC

**BID FORM  
 ROTARY DRILLING SERVICES  
 SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
 PAGE 1 of 1**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
ITEM 1. Mobilization and demobilization, the lump sum price of <u>Forty Thousand</u> Dollars and <u>NO</u> Cents (\$ )	Lump sum	\$ <u>40,000.00</u>

ITEM 2. Per diem rate for drilling crew, the daily unit rate of <u>Three Hundred</u> Dollars and <u>NO</u> Cents (\$ )	20 Days	\$ <u>6000.00</u>
---	---------	-------------------

Non-Contract Rate Bid Total – (Equal to the sum of Items 1 and 2)  
 (Total should include all applicable taxes) \$ 46,000.00

For Notnagle Drilling, Inc.  
 (Corporation Name)

In New York  
 (State of Incorporation)

By Jerry M. Notnagle  
 (Signature of Authorized Representative)

Business Address: 1821 Scottsville Mumford Rd  
Scottsville, NY 14546

Phone No.: 585 538 2328 FAX No. 585 538-2357

e-Mail address: \_\_\_\_\_

**CONFLICT OF INTEREST CERTIFICATION**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For NOTHNAGLE DRILLING, INC.  
(Corporation Name)

In New York  
(State of Incorporation)

By Timothy M. Notnagle  
(Signature of Authorized Representative)

Business Address: 1821 Scottsville Monford Rd  
Scottsville, NY 14546

Phone No.: 585-538-2328 FAX No. 585-538-2357

e-Mail address: tmn@notnagledrilling.com

**BID FORM  
 ROTARY DRILLING SERVICES  
 SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
 PAGE 1 of 1**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
ITEM 1. Mobilization and demobilization, the lump sum price of <u>One thousand six hundred and <del>four</del> <sup>five</sup></u> Dollars and _____ Cents (\$ 1645 )	Lump sum Per mobilization (weekly trip to LI+Back) Anticipate 3 trips	\$ <u>1645</u> <u>4935</u>
ITEM 2. Per diem rate for drilling crew, the daily unit rate of <u>Two hundred fifty five</u> Dollars and _____ Cents (\$ 255 )	15 Days	\$ <u>255</u>
Water for Rotary Drilling methods will be obtained from a hydrant permit. Decon water will be via Rig tank. Hydrant Permit is Lump sum + not dependant on use.		<u>15</u> + 955 Non-Contract Rate Bid Total - (Equal to the sum of Items 1 and 2) (Total should include all applicable taxes) \$ <u>6145</u>

Figure 1-2 days per well depending on site conditions and Final decision on drilling method. Estimate 1.5 days per well average = 15 days

For Aztech Technologies  
 (Corporation Name)

In New York  
 (State of Incorporation)

By [Signature]  
 (Signature of Authorized Representative)

Business Address: 5 McCrea Hill Road  
Ballston Spa, NY

Phone No.: (518) 885-5383 FAX No. (518) 885-5385

e-Mail address.: mdarcangelo@aztechtech.com

**BID FORM  
 DIRECT-PUSH DRILLING SERVICES  
 HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
 SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
 PAGE 1 of 1**

*Estimate 21 ten-hour days with a 2 person crew*

DESCRIPTION	UNIT	UNIT COST	ESTIMATED QUANTITIES	COMPUTED TOTAL
1. Mobilization/Demobilization <i>Mob Broken out by week in the Event work is split over multiple periods</i>	LS	\$ <u>1285</u> <i>per week</i>	<i>X 5</i>	\$ <u>6425</u>
2. Construction of decontamination pad	LS	\$ <u>220</u>	1	\$ <u>220</u>
3. Advance 21 soil borings using direct-push methods and collect continuous soil samples from the surface to the final depth of each boring	LF	\$ <u>14</u>	2100	\$ <u>29,400</u>
4. Collect discrete-depth interval groundwater samples every 15 feet from the water table to 100 feet bgs in all of the soil borings	EA	\$ <u>237</u>	63	\$ <u>14,931</u>
5. Backfill soil borings with grout	LF	\$ <u>1</u>	2100	\$ <u>2100</u>
6. 55-gallon UN-approved drums - provide, fill, and stage	EA	\$ <u>48</u>	25	\$ <u>1200</u>
<b>Bid Total - (Equal to the sum of Items 1 through 6)</b>				\$ <u>54,276</u>

**Note:** All prices and/or bid total stated above shall include all applicable taxes.

For Aztech Technologies  
 (Corporation Name)

In NY  
 (State of Incorporation)

By [Signature]  
 (Signature of Authorized Representative)

Business Address: 5 McCrea Hill Rd  
Ballston Spa, NY

Phone No.: (518) 885-5383 FAX No. (518) 885-5385

e-Mail address.: m@arcangelo@aztech.com

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

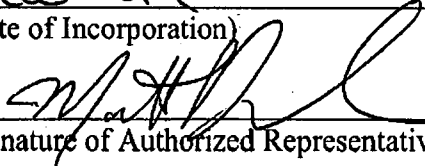
The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For Aztech Technologies  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 5 McCrea Hill Road  
Ballston Spg, NY 12020

Phone No.: (518) 885-5383 FAX No. (518) 885-5385

e-Mail address: mcarange@aztech.com

BID FORM  
ROTARY DRILLING SERVICES  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
ITEM 1. Mobilization and demobilization, the lump sum price of <u>Twenty five thousand</u> Dollars and <u>00/100</u> Cents (\$ 25,000. - )	Lump sum	\$ <u>25,000.-</u>
ITEM 2. Per diem rate for drilling crew, the daily unit rate of <u>Five hundred</u> Dollars and <u>00/100</u> Cents (\$ 500. - )	25 Days	\$ <u>12,500.-</u>
Non-Contract Rate Bid Total - (Equal to the sum of Items 1 and 2) (Total should include all applicable taxes)		\$ <u>37,500.-</u>

For Buffalo Drilling Co Inc  
(Corporation Name)

In New York  
(State of Incorporation)

By [Signature]  
(Signature of Authorized Representative)

Business Address: 10440 Main Street  
Clarence NY 14031

Phone No.: (716) 759-7821 x100 FAX No. (716) 759-7823

e-Mail address: P. Barron@BuffaloWell.com

**CONFLICT OF INTEREST CERTIFICATION**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

**Certified By:**

I acknowledge that the subcontractor has no conflict of interest.

For Buffalo Drilling Co Inc  
(Corporation Name)

In New York  
(State of Incorporation)

By Paul W Barron  
(Signature of Authorized Representative)

Business Address: 10448 Main Street  
Clarence NY 14031

Phone No.: (716) 759-7821 x101 FAX No. (716) 759-7823

e-Mail address.: P. Barron@BuffaloWell.com

**BID FORM - DIRECT PUSH DRILLING/ SOIL SAMPLING/ GROUNDWATER SAMPLING  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY, TOWN OF SMITHTOWN, NEW YORK**

NAME OF BIDDING FIRM: GeoLogic NY, Inc.

DATE: 02/14/08

Item	Unit Cost / Unit
<b>Direct Push Drilling/ Sampling Unit Costs</b>	
Mobilization/ Demobilization	\$ 800.00 /lump sum
Decontamination Pad construction (furnished & installed)	\$ 150.00 /ea.
Direct-push Drilling (including all materials and equipment)	\$ 1,700.00 /Day
Groundwater Sampler (per day fee if applicable)	Included /Day
Direct-push expendables	Included /linear foot
Boring Backfill - Bentonite	\$ 2.00 /linear foot
Modified Level D PPE	Included /man/day
Per diem - drilling crew	\$ 100.00 /man/day
UN-Approved Drums	\$ 60.00 /each
<b>Other Unit Costs Not Included Above:</b>	

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.


The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For GeoLogic NY, Inc.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: PO Box 350  
Homer, NY 13077

Phone No.: 607-749-5000 FAX No. 607-749-5063

e-Mail address.: geologicny@geologic.net

**BID FORM**  
**DIRECT-PUSH DRILLING SERVICES**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 1**

DESCRIPTION	UNIT	UNIT COST	ESTIMATED QUANTITIES	COMPUTED TOTAL
1. Mobilization/Demobilization	LS	\$ 8500.00	1	\$ 8500.00
2. Construction of decontamination pad	LS	\$ 1200.00	1	\$ 1200.00
3. Advance 21 soil borings using direct-push methods and collect continuous soil samples from the surface to the final depth of each boring	LF	\$ 14.00	2100	\$29400.00
4. Collect discrete-depth interval groundwater samples every 15 feet from the water table to 100 feet bgs in all of the soil borings	EA	\$ 55.00	63	\$ 3465.00
5. Backfill soil borings with grout	LF	\$ 4.00	2100	\$ 8400.00
6. 55-gallon UN-approved drums - provide, fill, and stage	EA	\$ 150.00	25	\$ 3750.00
<b>Bid Total - (Equal to the sum of Items 1 through 6)</b>				<b>\$ 54,715.00</b>

Note: All prices and/or bid total stated above shall include all applicable taxes.

For Jersey Boring & Drilling Co., Inc.  
 (Corporation Name)

In New Jersey  
 (State of Incorporation)

By Dennis Spearnock  
 (Signature of Authorized Representative)

Business Address: 150 Wright Street, Newark, NJ 07114

Phone No.: 973-242-3800 FAX No. 973-802-1272

e-Mail address: dennis@jerseyboring.com

**CONFLICT OF INTEREST CERTIFICATION**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For Jersey Boring & Drilling Co., Inc.  
(Corporation Name)

In New Jersey  
(State of Incorporation)

By Dennis Spearnock  
(Signature of Authorized Representative)

Business Address: 150 Wright St., Newark, NJ 07114

Phone No.: 973-242-3800 FAX No. 973-802-1272

e-Mail address.: dennis@jerseyboring.com

SGS proposal # 0208-5754 BID FORM

DIRECT-PUSH DRILLING SERVICES  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1

DESCRIPTION	UNIT	UNIT COST	ESTIMATED QUANTITIES	COMPUTED TOTAL
1. Mobilization/Demobilization	LS	\$ <u>5500</u>	1	\$ <u>5500</u>
2. Construction of decontamination pad	LS	\$ <u>400</u>	1	\$ <u>400</u>
3. Advance 21 soil borings using direct-push methods and collect continuous soil samples from the surface to the final depth of each boring	LF	\$ <u>27</u>	2100	\$ <u>56,700</u>
4. Collect discrete-depth interval groundwater samples every 15 feet from the water table to 100 feet bgs in all of the soil borings	EA	\$ <u>65</u>	63	\$ <u>4095</u>
5. Backfill soil borings with grout	LF	\$ <u>3</u>	2100	\$ <u>6300</u>
6. 55-gallon UN-approved drums - provide, fill, and stage	EA	\$ <u>52</u>	25	\$ <u>1300</u>
Bid Total - (Equal to the sum of Items 1 through 6)				\$ <u>74,295.<sup>00</sup></u>

Note: All prices and/or bid total stated above shall include all applicable taxes.

For SGS ENVIRONMENTAL SERVICES INC.  
(Corporation Name)

In Delaware  
(State of Incorporation)

By Arthur E. Becker  
(Signature of Authorized Representative)

Business Address: 328 STAFFORD FORGE ROAD  
West Creek, NJ 08092

Phone No.: 609-294-1110 FAX No. 609-296-8970

e-Mail address: artbecker@sgs.com

**CONFLICT OF INTEREST CERTIFICATION**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For SGS ENVIRONMENTAL SERVICES INC.  
(Corporation Name)

In Delaware  
(State of Incorporation)

By Arthur E. Becker  
(Signature of Authorized Representative)

Business Address: 328 STAFFORD FORGE Rd.  
West Creek, NJ 08092

Phone No.: 609-294-1110 FAX No. 609-296-8970

e-Mail address: art.becker@sgs.com

**Land, Air, Water Environmental Services, Inc.**

32 Chichester Avenue Center Moriches, New York 11934

631 874-2112 FAX: 631 874-4547

---

February 13, 2008

**MALCOLM PIRNIE, INC.**

Attn: Christine Thomas

43 British American Boulevard

Latham, NY 12110

Subject: Revised Hauppauge area wide Geoprobng proposal

Dear Ms. Thomas:

The following is Land, Air, Water Environmental Services, Inc.'s (LAWES) revised proposal to perform Geoprobe services at your Hauppauge sites in the Town of Smithtown, NY. This proposal has been revised to add additional daily rates.

The scope of work will be to provide a Geoprobe unit and two-man crew to bore through unconsolidated soils via Geoprobe direct push technique at (21) locations on and off site to approximately 100' below grade to obtain soil and groundwater samples. Soil samples will be obtained continuously utilizing a macro-core sampler equipped with acetate liners to approximately 70' to 100' in each boring.

In addition approximately (3) groundwater samples will be taken with a frequency of every 15', beginning at 70' to 100' below grade utilizing the SP-15 groundwater sampling system. Note that the dual tube sampling system will not be utilized when sampling the groundwater, so there will be three separate times that the sampler will be driven to depth to obtain a groundwater sample in each boring. The discrete groundwater sample will be obtained with a 3/8" polyethylene tube with a foot/check valve hand oscillated to drive the sample to the surface in each of the borings used in conjunction with a peristaltic pump.

Upon completion of soil and groundwater sampling activities the borings will be backfilled with bentonite chips. Borings may also be grouted or backfilled with clean sand. LAWES anticipates utilizing a 2007 ATV tracked mounted Geoprobe 7720 unit for this work. Final termination depths reached will be dependent upon local formation.

All rods and samplers will be decontaminated prior to beginning the boring services and between borings by liquinox wash and rinse. All decon liquids and probing waste will be managed as directed by the consultant on site. All waste will remain on site. Work will be performed in modified level D PPE consisting of a Tyvek suit, gloves and boots. LAWES provides this bid with the assumption that it will be supplied with the MALCOLM PIRNIE, INC. health and safety plan for review and possible adoption. The rates to perform the above noted scope of work will be charged as follows:

February 13, 2008

C. Thomas/MALCOLM PIRNIE, INC. -- Revised Hauppauge area wide Geoprobe sampling proposal:

<b>GEOPROBE DRILLING RATES</b>	
<b>ITEM</b>	<b>UNIT COST</b>
Mobilization	\$2,000/each
Decon pad	\$700/each
Direct push drilling - Geoprobe rig and crew up to 8 hours on site	\$1,750/day
Groundwater sampler per day	\$25/day
Direct push expendables	\$2/foot
Backfilling of bore hole by bentonite chips	\$25/bag
Modified Level D PPE	\$50/man/day
Per diem - drilling crew	N/A
UN approved drums	\$65/each
<b>Other Unit Costs Not Included Above:</b>	
Vactron unit and hydro-jet with support truck and operator up to 8 hours on site	\$1,250/day
Extra laborer up to 8 hours on site	\$700/day
Flagman and arrow-board and support truck up to 8 hours on site	\$950/day
Overtime on site after 8 hours	\$150/hour/man
Level C PPE	\$100/man/day
Concrete/cold asphalt patch	\$35/bag

Actual times and quantities on site will be dependent upon site and subsurface conditions. Land, Air, Water Environmental Services, Inc. is a CERTIFIED WOMAN OWNED BUSINESS ENTERPRISE (WBE) and all work supplied will be nonunion. This proposal was not bid as a prevailing wage project and will be valid for a period of sixty days from issue. Any work in addition to that noted above will be charged additional. All work is anticipated to be performed Monday through Friday between the hours of 8AM and 4:30PM.

MALCOLM PIRNIE, INC. will be responsible for locating and labor and equipment access to each of the boring locations, all required permits, accepting custody of all samples from the drill master, all analytical, all laboratory glassware, all markouts of all underground utilities and constructions (LAWES will take the standard industry precaution of calling in the one-call utility notification based upon information to be supplied by MALCOLM PIRNIE, INC. and will pre-clear borings to 5' below grade by hand (or by vacuum extraction if requested). LAWES will not be responsible for damage to improperly or un-marked utilities or constructions on the site), supplying a copy of MALCOM PIRNIE, INC'S HASP for review and possible adoption, site health and safety, monitoring contaminants in the breathing zone, all regulatory-client-owner-or tenant interfacing, supplying a resale certificate, tax exemption document or paying applicable taxes, and management and disposal of wastes. All waste will remain on site.

Terms of this proposal will be as per the standard LAWES/ MALCOLM PIRNIE, INC. contract to be signed. If you should have any questions or comments concerning this proposal please feel free to call and I will be happy to be of assistance.

Sincerely yours,

**VIA EMAIL**

John M. Lamprecht  
 V. President  
 JML:mm  
 Page 2.

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

**Certified By:**

I acknowledge that the subcontractor has no conflict of interest.

For Land Air Water Environmental Services Inc  
(Corporation Name)

In New York  
(State of Incorporation)

By [Signature]  
(Signature of Authorized Representative)

Business Address: 30 Checkers Avenue  
Croton Harbors NY 11934

Phone No.: 631 874-2112 FAX No. 631 874-4547

e-Mail address.: CHRISTINE@LAWES.ORG

**Thomas, Christine**

---

**From:** JBAYE57@aol.com

**Sent:** Monday, March 17, 2008 5:36 PM

**To:** Thomas, Christine

**Subject:** Re: RFP- Hauppage Site

Hi Christine,

We truly appreciate the offer but won't be providing a bid on the subject project, based on a conflict of schedule. Sorry for the delay in getting back to you.

**Judy Baye**

**American Auger & Ditching Co., Inc.**

453 Rt. 23

Constantia, NY 13044

ph. 315 623-7496

fx. 315 623-7189

---

It's Tax Time! [Get tips, forms and advice on AOL Money & Finance.](#)

BID FORM  
SITE SURVEY  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1

DESCRIPTION ESTIMATED QUANTITIES COMPUTED TOTALS

ITEM 1. All materials, equipment, labor, and incidentals required for locating environmental sampling locations and generating a table of geographic coordinates and elevations for the sampling locations, the lump sum price of

\* FOUR THOUSAND Dollars  
and \_\_\_\_\_ Cents  
(\$ 4,000.00 )

Lump sum \$ 4,000.00

Total Bid - (Note: Lump Sum should include all applicable taxes)

\$ 4,000.00

\* HORIZONTAL & VERTICAL TOLERANCES TO .10

For PSM LAND SURVEYING, PLLC  
(Corporation Name)

In NEW YORK  
(State of Incorporation)

By [Signature]  
(Signature of Authorized Representative)

Business Address: 17 MAIN STREET, WEST HAVEN, NY 11796

Phone No.: 631-563-0400

FAX No. 631-563-5808

e-Mail address: PSMSURVEYING@AOL.COM

**CONFLICT OF INTEREST CERTIFICATION  
 HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
 SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
 PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For PJM LAND SURVEYING, PLLC  
 (Corporation Name)

In NEW YORK  
 (State of Incorporation)

By [Signature]  
 (Signature of Authorized Representative)

Business Address: 77 MAIN STREET, WEST HAVVILLE NY 11796

Phone No.: 631-563-0400 FAX No. 631-563-5808

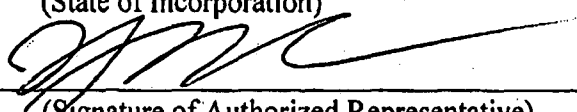
e-Mail address.: PJMSURVEYING@AOL.COM

**BID FORM  
SITE SURVEY  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
ITEM 1. All materials, equipment, labor, and incidentals required for locating environmental sampling locations and generating a table of geographic coordinates and elevations for the sampling locations, the lump sum price of <u>Eleven Thousand</u> Dollars and <u>Zero</u> Cents (\$ 11,000.00 )	Lump sum	\$ <u>11,000.00</u>
Total Bid – (Note: Lump Sum should include all applicable taxes)		\$ <u>11,000.00</u>

For YEC, Inc.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 612 Corporate Way, Valley Cottage, N.Y. 10989

Phone No.: 845-268-3203 FAX No. 845-268-5313

e-Mail address.: EdChen.YEC@Verizon.net

**CONFLICT OF INTEREST CERTIFICATION**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

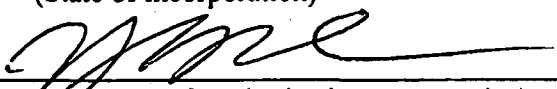
The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For YEC, Inc.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 612 Corporate Way, Valley Cottage, N.Y. 10989

Phone No.: 845-268-3203 FAX No. 845-268-5313

e-Mail address: Edchen.YEC@Verizon.net

**BID FORM  
SITE SURVEY  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
ITEM 1. All materials, equipment, labor, and incidentals required for locating environmental sampling locations and generating a table of geographic coordinates and elevations for the sampling locations, the lump sum price of <u>Eleven Thousand Eight Hundred Fifty Dollars</u> and <u>00/100</u> Cents (\$ 11,850.00 )		Lump sum \$* <u>11,850.00</u> * Excludes - Cadd Work - Setting Ground Works
Total Bid - (Note: Lump Sum should include all applicable taxes)		\$* <u>11,850.00</u>

For Massand Engineering, L.S. P.C.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 211-12 Union Turnpike  
Bayside, NY 11364

Phone No.: (718) 464-3300 FAX No. (718) 464-3979

e-Mail address.: nick@massand.com

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

**Certified By:**

I acknowledge that the subcontractor has no conflict of interest.

For Massand Engineering, L.S. P.C.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 211-12 Union Turnpike, Bayside, NY 11364

Phone No.: (718) 464-3300 FAX No. (718) 464-3979

e-Mail address.: nick@massand.com

**BID FORM  
INVESTIGATION DERIVED WASTE DISPOSAL  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 2**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
<p>ITEM 1. Obtain all necessary analytical testing for proper characterization of investigation derived waste, the lump sum price of _____ Dollars and _____ Cents (\$ _____ )</p>	Lump sum	\$ _____
<p>ITEM 2a. Provide all necessary equipment, labor, and incidentals to Load, Transport, and Dispose of a 55-gallon drum of non-hazardous investigation derived waste, the unit cost of <u>ONE HUNDRED &amp; SEVENTY FIVE</u> Dollars and <u>EIGHTY TWO</u> Cents (\$ <u>175.82</u> ) per drum</p>	55 drums	\$ <u>9670.00</u>
<p>ITEM 2b. Provide all necessary equipment, labor, and incidentals to Load, Transport, and Dispose of a 55-gallon drum of hazardous investigation derived waste, the unit cost of <u>TWO HUNDRED &amp; TWENTY</u> Dollars and <u>EIGHTY TWO</u> Cents (\$ <u>220.82</u> ) per drum</p>	55 drums	\$ <u>12,145.00</u>

BID FORM  
INVESTIGATION DERIVED WASTE DISPOSAL  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 2 of 2

For ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC  
(Corporation Name)

In VERMONT  
(State of Incorporation)

By  CURTIS J JONES  
(Signature of Authorized Representative)

Business Address: 529 ROUTE 303  
ORANGEBURG, NY 10962

Phone No.: 845/398-8012 FAX No. 845/398-8016

e-Mail address.: CJONES@EPSOFVERMONT.COM

**BID FORM**  
**INVESTIGATION DERIVED WASTE DISPOSAL**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 2**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
<p>ITEM 1. Obtain all necessary analytical testing for proper characterization of investigation derived waste, the lump sum price of</p> <p>* <u>No. Charge</u> Dollars  and _____ Cents  (\$ 0.00 )</p>	Lump sum	\$ <u>N/C</u>
<p>ITEM 2a. Provide all necessary equipment, labor, and incidentals to Load, Transport, and Dispose of a 55-gallon drum of non-hazardous investigation derived waste, the unit cost of</p> <p><u>One hundred</u> Dollars  and <u>zero</u> Cents  (\$ 100.00 ) per drum</p>	55 drums	\$ <u>5,500.00</u>
<p>ITEM 2b. Provide all necessary equipment, labor, and incidentals to Load, Transport, and Dispose of a 55-gallon drum of hazardous investigation derived waste, the unit cost of</p> <p><u>Two hundred and Ninety</u> Dollars  and <u>zero</u> Cents  (\$ 290.00 ) per drum</p>	55 drums	\$ <u>15,950.00</u>

\* Analysis must include TCLP data to determine if materials are RCRA hazardous or non hazardous.

**BID FORM**  
**INVESTIGATION DERIVED WASTE DISPOSAL**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 2 of 2**

For EwmI  
(Corporation Name)

In Pennsylvania  
(State of Incorporation)

By   
(Signature of Authorized Representative) Steven E. Honds

Business Address: 14 Brick Kiln Ct  
Northampton, PA 18067

Phone No.: 484 357 3482 FAX No. 484 275 6970

e-Mail address: Shouts@EwmI-info.com

**CONFLICT OF INTEREST CERTIFICATION**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

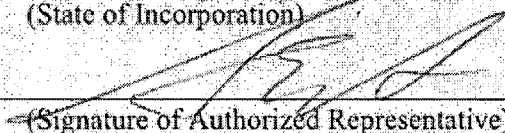
The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For EWMI  
(Corporation Name)

In Pennsylvania  
(State of Incorporation)

By  Steven P. Hents  
(Signature of Authorized Representative)

Business Address: 14 Buck Run Ct.  
Northampton, PA 18067

Phone No.: 484 357 3482 FAX No. 484 275 6970

e-Mail address: Shents@ewmi-info.com

**BID FORM  
INVESTIGATION DERIVED WASTE DISPOSAL  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 1 of 2**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
<p>ITEM 1. Obtain all necessary analytical testing for proper characterization of investigation derived waste, the lump sum price of _____ Dollars and _____ Cents (\$ _____ )</p>	Lump sum	\$ _____
<p>ITEM 2a. Provide all necessary equipment, labor, and incidentals to Load, Transport, and Dispose of a 55-gallon drum of non-hazardous investigation derived waste, the unit cost of <u>Two Hundred Ninety Nine</u> Dollars and <u>0/100</u> Cents (\$ <u>299.00</u> ) per drum</p>	55 drums	\$ <u>16445.00</u>
<p>ITEM 2b. Provide all necessary equipment, labor, and incidentals to Load, Transport, and Dispose of a 55-gallon drum of hazardous investigation derived waste, the unit cost of <u>Three Hundred Ninety Nine</u> Dollars and <u>0/100</u> Cents (\$ <u>399.00</u> ) per drum</p>	55 drums	\$ <u>21945.00</u>

**BID FORM**  
**INVESTIGATION DERIVED WASTE DISPOSAL**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 2 of 2**

For Precision Industrial Maintenance Inc.  
(Corporation Name)

In New York  
(State of Incorporation)

By [Signature]  
(Signature of Authorized Representative)

Business Address: 1710 Erie Blvd.  
Schenectady, NY 12308

Phone No.: 518-346-5800 FAX No. 518-346-6077

e-Mail address.: Skramer@PrecisionIndustrial.info

**BID FORM  
INVESTIGATION DERIVED WASTE DISPOSAL  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK  
PAGE 2 of 2**

For TIER ENVIRONMENTAL SERVICES, LLC  
(Corporation Name)

In DELAWARE  
(State of Incorporation)

By Lawrence F. Caldwell (LAWRENCE F. CALDWELL)  
(Signature of Authorized Representative)

Business Address: 5745 LINCOLN Hwy  
GAP, PA 17527

Phone No.: 717 442-4400 FAX No. 717-442-6336

e-Mail address: LCALDWELL@TIERDE.COM

**CONFLICT OF INTEREST CERTIFICATION  
HAUPPAUGE AREA-WIDE GROUNDWATER STUDY  
SMITHTOWN, SUFFOLK COUNTY, NEW YORK**

PAGE 1 of 1

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

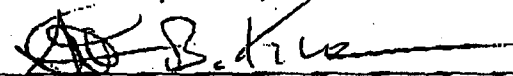
The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For Precision Industrial Maintenance Inc.  
(Corporation Name)

In New York  
(State of Incorporation)

By   
(Signature of Authorized Representative)

Business Address: 1710 Erie Blvd.  
Schenectady, NY 12308

Phone No.: 518-346-5800 FAX No. 518-346-6077

e-Mail address.: SKramer@PrecisionIndustrial.info

**BID FORM**  
**INVESTIGATION DERIVED WASTE DISPOSAL**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 2**

DESCRIPTION	ESTIMATED QUANTITIES	COMPUTED TOTALS
<p>* ITEM 1. Obtain all necessary analytical testing for proper characterization of investigation derived waste, the lump sum price of <u>TWO THOUSAND SIX HUNDRED</u> Dollars and <u>ZERO</u> Cents (\$2,600.00 )</p>	Lump sum	\$ <u>2,600.00</u>

<p>ITEM 2a. Provide all necessary equipment, labor, and incidentals to Load, Transport, and Dispose of a 55-gallon drum of non-hazardous investigation derived waste, the unit cost of <u>ONE HUNDRED TWENTY FOUR</u> Dollars and <u>ZERO</u> Cents (\$124.00 ) per drum</p>	55 drums	\$ <u>6,820.00</u>
--	----------	--------------------

<p>ITEM 2b. Provide all necessary equipment, labor, and incidentals to Load, Transport, and Dispose of a 55-gallon drum of hazardous investigation derived waste, the unit cost of <u>TWO HUNDRED TWENTY FOUR</u> Dollars and <u>ZERO</u> Cents (\$224.00 ) per drum</p>	55 drums	\$ <u>12,320.00</u>
--	----------	---------------------

\* FURTHER CHARACTERIZATION OF DRUMS MAY NOT BE REQUIRED DEPENDING UPON MALCOLM PIRNIE'S SOIL AND GROUNDWATER ANALYTICAL DATA.

**CONFLICT OF INTEREST CERTIFICATION**  
**HAUPPAUGE AREA-WIDE GROUNDWATER STUDY**  
**SMITHTOWN, SUFFOLK COUNTY, NEW YORK**  
**PAGE 1 of 1**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed in Attachment 1 are the known potential responsible parties as of January 2008.

The undersigned authorized representative, for the subcontractor indicated below, hereby certifies for the Hauppauge Area-Wide project that to the best of his/her knowledge the subcontractor has no organizational or personal conflict of interest with the potential responsible parties listed above.

*Certified By:*

I acknowledge that the subcontractor has no conflict of interest.

For TIER Environmental Services, LLC  
(Corporation Name)

In Pennsylvania  
(State of Incorporation)

By Joseph J. Madrak Jr.  
(Signature of Authorized Representative)

Business Address: 5745 Lincoln Highway  
Gap, PA 17527

Phone No.: (717) 442-4400 FAX No. (717) 442-6336

e-Mail address.: j.madrak@tierde.com

# New York State Department of Environmental Conservation

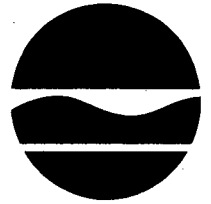
## Division of Environmental Remediation

Bureau of Program Management, Room 1224

625 Broadway, Albany, New York 12233-7012

Phone: (518) 402-9764 • FAX: (518) 402-9722

Website: [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Grannis  
Commissioner

January 2, 2008

Mr. Bruce Nelson  
Malcolm Pirnie, Inc.  
43 British-American Boulevard  
Latham, NY 12110

Dear Mr. Nelson:

Re: WA Issuance/Conflict of Interest Letter  
**Hauppauge Area-Wide Groundwater Study**  
**Site # TBD**

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) is issuing to your firm the work assignment (WA) identified below. This WA has been identified by your firm's I/D contract number and the next sequential WA number.

<b>Contract/WA No.:</b>	D004439-20
<b>Site/Spill No./PIN:</b>	To Be Determined
<b>Site/Spill Name:</b>	Hauppauge Area-Wide Groundwater Study
<b>Program Element:</b>	Site Characterization
<b>WP Dev. (WPD) Budget:</b>	\$22,000
<b>Est. Total WA Budget (includes WPD):</b>	\$502,000
<b>Project Manager (PM):</b>	Kerry Maloney
<b>PM Phone No.:</b>	(518) 402-9622
<b>PM E-mail:</b>	<a href="mailto:kamalone@gw.dec.state.ny.us">kamalone@gw.dec.state.ny.us</a>
<b>Contract Manager (CM):</b>	Lisa Lewis
<b>CM Phone No.:</b>	(518) 402-9601
<b>CM E-mail:</b>	<a href="mailto:lmlewis@gw.dec.state.ny.us">lmlewis@gw.dec.state.ny.us</a>
<b>M/WBE Administrator:</b>	Thomas Christian
<b>M/WBE Phone No.:</b>	(518) 402-9311
<b>M/WBE E-mail:</b>	<a href="mailto:techrist@gw.dec.state.ny.us">techrist@gw.dec.state.ny.us</a>

Please review your firm's relationship with the Potential Responsible Parties (PRPs) indicated on the enclosed Conflict of Interest Certification form. Then sign and complete the form and accept the WA by returning the document to the contract manager within 5 calendar days of the date of this letter.

Please initiate the development of a project management work plan for this WA. It is expected that one (1) electronic copy of the work plan will be submitted to DER's contract manager within 21 calendar days of receipt of this work assignment. Final project management work plans and budgets are to be developed so that a Notice to Proceed can be issued within 90 calendar days.

of the date of this letter. Failure to do so may result in termination of this WA and may affect your firm's receipt of future WAs.

The project management work plan submitted to DER must include the items listed below. If multiple sites are included in the WA, information should be provided for each site and the total WA.

1. Site description (i.e. location, environmental history).
2. Scope of work (i.e. tasks, subtasks).
3. Detailed schedule with milestones and deliverables.
4. Identification of areas of work requiring subcontracting and the certified M/WBE firms to be utilized, if known.
5. A detailed budget broken down by tasks and subtasks using the most current schedules provided by DER. The budget (i.e. titles, rates) should be in accordance with your executed standby contract.
6. A staffing plan identifying the management and technical staff assigned to the WA. Include resumes of staff not previously approved by DER.
7. An M/WBE Utilization Plan. If the plan does not meet the goals in the standby contract, an explanation must be provided. Contact DEC's M/WBE Office if you have questions.

If you have any questions regarding contract issues, please contact the contract manager indicated. If you have any questions regarding the WA's scope of work, please contact the project manager indicated. The project manager has prepared the enclosed document for your use in preparing the WA. Please contact the project manager to schedule a WA scoping meeting and site visit, if appropriate.

Requests for reimbursement cannot be processed until the draft project management work plan is submitted to DER for approval.

Sincerely,



Michael J. Cruden, P.E.  
Chief  
Contracts and Payments Section  
Bureau of Program Management  
Division of Environmental Remediation

Enclosures

ec: K. Maloney, PM  
L. Lewis, CM  
W. Parish, Region 1  
M. Cruden  
T. Wolosen  
J. Yavonditte  
C. Vasudevan  
T. Christian

## **Standby Contract Work Assignment - Site Characterization**

Site Number:

Site Name: Hauppauge Area-wide Groundwater Study

Operable Unit: N/A

Project Manager: Kerry Maloney, Section B, BUR A  
Joseph Yavonditte, Chief, Section B  
Chittibabu Vasudevan, Director, BUR A

Telephone: 402-9622

### **Site Location**

The study area is located in the vicinity of the Heartland Industrial Park in the hamlet of Hauppauge, Town of Smithtown, Suffolk County. The study area 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.

### **Summary of Site History and Background Information**

The study area 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 sites in the vicinity that are currently undergoing remediation.

### **Site Geology and Hydrogeology**

The Upper Pleistocene formation is composed of sand, gravel, and boulders with occasional silt and clay lenses. The bottom of this formation is approximately 200 feet bgs. 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 located approximately 1,200 feet bgs.

Localized lenses of fine sand, silt, and/or clay were encountered 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 Ronkonkoma terminal moraine corresponds to a groundwater divide on Long Island. The site, located north of the groundwater divide, is in a recharge area which is characterized by recharge from precipitation and infiltrating into the ground. Groundwater generally flows in a northeast direction. The groundwater table at the site is located approximately 70 feet bgs.

### **Scope of Work and Task/Subtask Descriptions**

#### *Miscellaneous information:*

- The consultant will make arrangements for the utility clearance for all subsurface work.
- The consultant will obtain all necessary permits.

- All analyses will be performed using the Analytical Services Protocols (ASP) as prepared by the NYSDEC.
- Data validation should be done as a Data Usability Summary Report (DUSR).
- An Electronic Data Deliverable (EDD) package should be submitted in the USEPA National EDD or Multimedia EDD format.

## **Task 1      Develop a Detailed Work Plan**

Before finalizing the work plan, the consultant's project manager will conduct a site-walk through with the NYSDEC project manager. The site-walk will cover areas on and off-site to determine the most appropriate locations for the field work. Based on the requirements outlined in this work assignment, field work locations will be discussed and outlined during the site visit. For that reason, it is helpful for the Consultant to have a map/ortho-imagery of the site during the site-walk with DEC.

It is imperative to produce a site map with all the locations of fieldwork performed, sampling types, sampling locations and regional groundwater flow direction as part of the final work plan.

The consultant shall prepare and submit for the Department's review, a draft Site Characterization work plan which will include an d Minority/Women's Business Programs (MBE/WBE) utilization plan, a Technical Scope of Work (TSW), a Quality Assurance Project Plan (QAPP), and a Health and Safety Plan (HASP). As part of the TSW the consultant will prepare a Field Operations/Drilling Plan/Sampling Plan for the site in order to provide specific details of the activities outlined in the TSW. Based on the estimated budget and milestones in this work assignment, the Consultant shall also submit a schedule of project milestones and deliverables, a staffing plan, a budget and a list of proposed subcontracts. All plans must be in accordance with the appropriate NYSDEC Technical and Administrative Guidance Memoranda. This plan is to be received within 28 calendar days after receipt of the work assignment.

## **Task 2      Record Search, Site Reconnaissance and Survey of Property**

### **Task 2.1. Record Search**

A site historical record search should be conducted to provide a full description of current and historic site ownership, chemical use and any disposal activity in the investigation area.

### **Task 2.2 Geophysical Survey**

A geophysical survey of the area should be conducted. The consultant shall utilize

Electrical Resistivity Imaging (ERI) to obtain 3-D images of potential subsurface impacts. The survey will utilize the grid system to map all anomalies in the area. The detection system employed should be compatible with the ground and surface conditions in the area. Once complete, those indications of pertinent sub surface impacts, structures and piping will be added to the site map.

### **Task 3 Environmental Sampling and Analysis - Soil and Groundwater**

#### **Task 3.1 Sample Analysis**

All environmental samples shall be analyzed by a New York State Department of Health ELAP certified laboratory. All analytical data shall be reported in NYSDEC Analytical Service Protocol (ASP) Category A Deliverable format. Twenty percent (20%) of all the environmental samples will be split, and analyzed and reported using NYSDEC ASP Category B Deliverable format.

The geographic coordinates of all the sampling locations (soil and groundwater) shall 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. These sampling points shall be reported in the site map required in Task 1 of this proposal.

All non-dedicated equipment and tools used to collect soil samples for chemical analysis shall be decontaminated prior to and between each sample interval usingalconox and potable water rinse. Additional cleaning of the equipment using steam may be required under some circumstances. Decontamination fluid should be contained in drums and disposed of appropriately.

#### **Task 3.2 - Subsurface Geological Investigation and Soil Sampling**

Based upon the geophysical screening results and historical information, the consultant shall install up to 10 monitor wells in the vicinity of likely contamination. The soils will be collected continuously for characterization and screening. Soils will be screened via the headspace method with an organic vapor analyzer and a sample from the depth exhibiting the highest headspace result will be analyzed for VOCs and metals at a minimum. Should historical information indicate, additional analyses may be added.

In the absence of an elevated headspace reading or other indication observed in the field, the soil samples from the likely impacted regions will be analyzed.

Each soil boring should be advanced to the maximum depth obtainable with a geoprobe. The soil column should be continuously screened with a PID to identify any hot spots in the sub-surface soil. Soil samples should be taken at every five feet and analyzed. In those areas of greatest contamination a full analysis must be completed (including those elements on the TAL). Always collect at least one soil sample on

top of the water table. If PID response indicates VOCs contaminated soil above the water table, one additional soil sample is required where the PID reading is the highest.

Boring logs should be maintained in the field to provide visual and olfactory observations at each boring location. Soil classification, soil type and soil description must be logged and reported for each boring location.

Approximately twenty one (21) sub-surface soil locations may be needed to characterize both on and off-site soil conditions. All soil samples will be analyzed for VOCs, SVOCs, PCB and Pesticide using the specific methods provided in Table 1's Notes.

#### Task 3.3 - Groundwater Sampling

Groundwater samples will be taken every 15 feet in depth. The samples will be analyzed for VOCs and metals at a minimum. Should historical information indicate, additional analyses may be added.

#### Task 3.3 - Survey

The consultant shall conduct a survey of all existing wells and newly installed wells and develop a site-specific potentiometric groundwater map.

### **Task 4 Prepare an Investigation Report**

The consultant will prepare a report which documents the work conducted and presents the results of the sample analysis. Each sample location will be surveyed to determine relative location. A map will be prepared showing the location for each sample location. A copy of the digitized base map of the area will be provided to the NYSDEC. Tables should include appropriate NYS SCG values for comparison, with non-compliance values in bold face type or highlighted.

All original chain of custodies, sampling forms, and purge forms used during the field activities shall be submitted to NYSDEC as part of the final report. All samples collected must be validated by a third party that is independent of the laboratory which performed the analyses and the consultant which performed the fieldwork. A usability analysis will be conducted by a qualified data validator and a Data Validation/Usability Report will be submitted to the NYSDEC.

A total of three copies of the draft report will be submitted that documents the work conducted, presents the results of sample analyses and provides conclusion of the

investigation work. Upon receipt of NYSDEC comments, the consultant shall revise the draft report and print the requested number of final copies indicated in the comment letter. The final report will be converted into PDF format and submitted on a compact disc (CD) together with the hard copy reports.

**Estimated Budget and Level of Effort (LOE) Summary**

Site No.

Hauppauge Area-wide Groundwater Study  
Hauppauge, NY

County: Suffolk County, Long Island

Task/ Items	Description of Task/Item	Cost Estimate (\$)
1	Develop a Detailed Work Plan	22,000
2.1	Record Search, Site Reconnaissance and Survey of Property	10,000
2.2	Geophysical Survey	100,000
3.2	Subsurface Geological Investigation and Soil Sampling	300,000
3.3	Groundwater Sampling	40,000
3.4	Survey	5,000
4	Prepare an Investigation Report	25,000
	<b>Total Estimate Budget (Tasks 1-4)</b>	<b>502,000</b>

Site No.

Hauppauge Area-wide Groundwater Study

Hauppauge, NY

County: Suffolk County, Long Island

Project Milestone	Date
Issue Work Assignment (WA)	
Acknowledge Receipt of WA	
Work plan development session	
Submit Task 1 (Draft Work Plan) Deliverable	
Approve Draft Work Plan	
Submit Task 1 (Final Work Plan) Deliverable	
Notice to Proceed (NTP)	
Commence Task 2 Field work	
Task 2 Field work Complete	
Commence Task 3 Field Work	
Task 4 Submitt Draft Report	
Approve Draft Report	
Submit Final Report (Task 4 Complete)	



154 - Gibson Chemical (Therm-X)

152104 - Electro Motive Research Corp.

152034 - Computer Circuits

152105 - EMR Circuits, Inc.

Image © 2007 New York Giseel  
Blue Jay Drive 2007 Tels Allos  
© 2007 Europa Technologies

Google

**From:** Michael Cruden  
**To:** Lisa Lewis  
**Date:** 12/28/2007 11:23:33 AM  
**Subject:** Fwd: Re: Hauppauge Area-Wide revised Conceptual w/ Map

please issue to MPI - ID

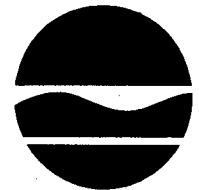
>>> Sal Ervolina 12/28/07 11:10 AM >>>

I approve the conceptual approval memo for a Site Characterization at the Hauppauge Area-Wide Study.

>>> Joseph Yavonditte 12/7/2007 3:39 PM >>>

revised Conceptual

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Remedial Bureau A**  
625 Broadway, 11<sup>th</sup> Floor  
Albany, New York 12233-7015  
**Phone:** (518) 402-9625 • **Fax:** (518) 402-9022  
**Website:** [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Grannis  
Commissioner

**MEMORANDUM**

**TO:** Salvatore Ervolina, Assistant Division Director, DER

**FROM:** Chittibabu Vasudevan, Director, Remedial Bureau A Chittibabu Vasudevan

**SUBJECT:** Conceptual Approval Memo for Proposed Work Assignment  
Area-wide Groundwater Study  
Hauppauge, Suffolk County

**DATE:** December 7, 2007

---

**Site No., Name, Location:**  
Hauppauge, Suffolk County

**Brief Description of Scope of Work:**

The contractor will be responsible for performing an area-wide groundwater study to determine potential impacts to groundwater in the region. Site activities will include a review of the historical information available for the area to determine potential source areas, the use of Electrical Resistivity Imaging (ERI) lines to assist in delineating potential source areas and the installation of monitor wells, with associated soil and groundwater sampling. Site activities shall be performed in accordance with Division of Environmental Remediation Draft Technical Guidance for Site Investigation and Remediation (DER-10), dated December 2002.

**Site Information:**

The area has a history of industrial/commercial use. There is the potential of an upgradient source from two known sites (100 Oser Avenue and Computer Circuits).

**Program Element:** Area-Wide Groundwater Modeling Study

**Duration:** 24 months

**Estimated Budget:** The total estimate for this work assignment is \$600,000.00. This dollar amount includes approximately 20 ERI lines and up to 15 monitor wells.

**Funding Source:** State Superfund

**Contractor Preference:** Malcolm Pirnie as they have the groundwater modeling capabilities needed and have experience working with ERI data.

**Conflict of Interest:**

Arkay, 22 Arkay Drive, Hauppauge, NY

American Tissue, 50 Cabot Court, Hauppauge, NY

Commander, 50 Cabot Court, Hauppauge, NY

Computer Circuits, 145 Marcus Boulevard, Hauppauge, NY

Anwar Chitayat, Anorad, 100 Oser Avenue, Hauppauge, NY

Suffolk County Industrial Development Agency, 100 Oser Avenue, Hauppauge, NY

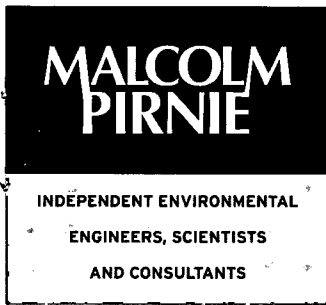
Pall-Rai Corp, 225 Marcus Boulevard, Hauppauge, NY

EMR Circuits, Inc, 85 Marcus <sup>Bld</sup>~~Avenue~~, Hauppauge, NY

Electro Motive Research Corporation, 35 Davids Drive, Hauppauge, NY

Gibson Chemical (Therm-X), 74 Mall Drive, Commack, NY

ec: D. Desnoyers  
D. Weigel  
M. Cruden  
T. Wolosen  
C. Vasudevan  
J. Yavonditte  
K. Maloney  
W. Parish, Region 1



Malcolm Pirnie, Inc.  
43 British American Boulevard  
Latham, NY 12110-1402  
T: 518-782-2100  
F: 518-782-0500  
www.pirnie.com

January 8, 2008

Ms. Lisa Lewis  
NYSDEC  
Div. of Environmental Remediation  
Bur. of Program Management  
625 Broadway, 12<sup>th</sup> Floor  
Albany, NY 12233-7012

Re: Conflict of Interest Letter; Hauppauge Area-wide Groundwater Study, Town of  
Smithtown, Suffolk County, Site #TBD, W. A. D004439-20  
Malcolm Pirnie Standby Contract No. D004439 for Investigation Design

Dear Ms Lewis:

Malcolm Pirnie, Inc. appreciates the inquiry concerning the above-referenced site. We have conducted our COI review and have no conflict of interest. Enclosed is the signed Conflict of Interest Certification form for your records.

If you have any questions, please feel free to call me at (518) 782-2100.

Very truly yours,

MALCOLM PIRNIE, INC.

A handwritten signature in black ink, appearing to read "Bruce R. Nelson".

Bruce R. Nelson, C.P.G.  
Senior Associate

pjb  
Enclosure

F:\PROJECT\DEC Standby\DOC\HauppaugeCOI.doc

**NYSDEC Division of Environmental Remediation**  
**Conflict of Interest Certification**  
*(fax or email completed form to CM within 5 business days of receipt)*

To the best of the NYSDEC's knowledge, the potential responsible parties listed below are the known potential responsible parties, as of the date of the issuance of the work assignment letter:

See attached sheet.

**Please check one of the boxes below:**

- The Contractor believes there are no potential conflicts with the PRPs listed above.
- The Contractor believes there are the following potential \_\_\_\_\_ organizational or \_\_\_\_\_ personal conflict(s) of interest (provide the nature of the potential conflict, dates or time frame, approximate dollar amount, current business relationship with the PRP, whether the potential conflict is directly with contractor or an affiliate/subsidiary/team member, what percentage of the contractor's business with the PRP bears to the contractor's business as a whole and any other relevant information):

**If a potential conflict(s) exist, the Contractor should complete the following:**

The tasks and responsibilities included in the WA are largely standardized and require limited application of judgment and opportunity for judgment to be influenced.  Yes  No

Explain: \_\_\_\_\_

There is a mechanism for adequate independent quality assurance. This may include quality reviews of data results or periodic inspections by State staff.  Yes  No

Explain: \_\_\_\_\_

A New York State Professional Engineer certification of all reports and recommendations produced by the contractor is required by the WA.  Yes  No

The Contractor believes it can take adequate actions to avoid, mitigate, or minimize the actual or potential conflict(s).  Yes  No

Explain: \_\_\_\_\_

Indicate if additional information is attached to this certification.  Yes  No

The undersigned authorized representative for the contractor indicated below hereby certifies that there are no relevant facts or circumstances which would give rise to an organizational or personal conflict of interest as defined in Appendix B, Section III, Conflict of Interest of the executed standby contract indicated below, except as disclosed herein.

Signature of Contractor's Authorized Representative  
Date 1/7/09  
Contractor Name MALCOLM PIRNIE, INC.

**Potential Responsible Parties for Hauppauge Area-Wide Groundwater Study, Site # TBD:**

1. Arkay, 22 Arkay Drive, Hauppauge, NY
2. American Tissue, 50 Cabot Court, Hauppauge, NY
3. Commander, 50 Cabot Court, Hauppauge, NY
4. Computer Circuits, 145 Marcus Boulevard, Hauppauge, NY
5. Anwar Chitayat, Anorad, 100 Oser Avenue, Hauppauge, NY
6. Suffolk County Industrial Development Agency, 100 Oser Avenue, Hauppauge, NY
7. Pall-Rai Corporation, 225 Marcus Boulevard, Hauppauge, NY
8. EMR Circuits, Inc., 85 Marcus Boulevard, Hauppauge, NY
9. Electro Motive Research Corporation, 35 Davids Drive, Hauppauge, NY
10. Gibson Chemical (Therm-X), 74 Mall Drive, Commack, NY

**From:** Lisa Lewis  
**To:** Nelson, Bruce R.  
**Date:** 8/1/2008 11:39:32 AM  
**Subject:** Re: Hauppauge follow-up

Hi Bruce-

One last correction: On the (b-1), the total hours for Level 8 is 43 in the Task area, but the Subtotal area is still incorrect (it equals 47 there). Same problem in the last column to the right. Please double-check all the numbers and resubmit.

Hopefully the approval letter can be sent today.

Lisa

>>> "Nelson, Bruce R." <BNelson@PIRNIE.com> 7/29/2008 8:51 AM >>>  
Lisa:

Attached are the revised pages for the 2.11s and the Nothnagle quotation for the drilling. We had the per diem incorrectly noted for Nothnagle, so we have provided an updated bid comparison, but this of course does not affect the low cost.

The following edits were made:

1. On Schedule b-1, the Level 8 hours for Task 1 were decreased from 20 to 18. Also, the total hours for Level 2 were corrected to total 30 hours.
2. On Schedule f-6, the \$200 management fee was removed.

Please let me know if you have any questions.

Thanks,

--Bruce

Bruce R. Nelson, C.P.G.

Senior Associate

Malcolm Pirnie, Inc.

43 British American Blvd.

Latham, NY 12110

(518) 782-2115 (direct)

(518) 782-0500 (fax)

[bnelson@pirnie.com](mailto:bnelson@pirnie.com)

CC: Maloney, Kerry

**From:** Lisa Lewis  
**To:** Nelson, Bruce R.  
**Date:** 7/24/2008 11:11:51 AM  
**Subject:** Re: Hauppauge Work Plan and 2.11s - Comments on budget pages

Hi Bruce-

I completed my review of the Hauppauge budget pages and have a few comments, none of which should effect the budget itself:

1. On Schedule (b-1), there are some errors. First, the maximum number of hours that can be in Task 1, Level 8 is **18** (not 20). Please delete the extra two hours in that space or move them elsewhere. Also, Level 2 has a total of 30 hours in the Task area but only a total of 20 hours in the Subtotals area. Please make the required hour/cost corrections to the sheet and resubmit.
2. On Schedule (f-4), a management fee of \$200 is incorrectly shown. Elsewhere in the budget pages it is correctly shown that no fee is being collected for PJM's work, but this page needs to be corrected and resubmitted.
3. There was no rotary drilling quote from Nothnagle in the back-up documents provided to me. Please submit the page showing Nothnagle's actual response so that I can see that you did get 3 responsive quotes (seeing that American Auger declined to bid).
4. Question: Why is it that the items on the bid comparison chart for direct-push drilling services don't match up to the items/costs listed on the bid sheets submitted by the firms? I'm curious if the specific drilling needs weren't known at the time of bid requests or what. It's very hard to compare apples to oranges, so apples to apples would be appreciated in the future.

Okay, that's it for me. I sent the Utilization Plan down to M/WBE, and once I get an acceptance letter from them, an approval e-mail from Kerry, and the requested documents from you, I will prepare an approval letter for Mike to sign.

Thanks,  
Lisa

Lisa M. Lewis  
Contract Manager  
NYS Dept. of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Program Management  
Contracts & Payments Section  
625 Broadway, 12th Floor  
Albany, NY 12233-7012

Phone: (518) 402-9601  
Fax: (518) 402-9722  
Email: lmlewis@gw.dec.state.ny.us

>>> "Nelson, Bruce R." <BNelson@PIRNIE.com> 7/2/2008 7:29 PM >>>  
Lisa:

Attached is the draft WP and 2.11s (a second e-mail will include the rest of the files in a moment).

If you have any questions, please let me know (on Monday) or Aaron Bobar tomorrow.

Have a great Holiday.

--Bruce

Bruce R. Nelson, C.P.G.

Senior Associate

Malcolm Pirnie, Inc.

43 British American Blvd.

Latham, NY 12110

(518) 782-2115 (direct)

(518) 782-0500 (fax)

[bnelson@pirnie.com](mailto:bnelson@pirnie.com)

**CC:** Bobar, Aaron; Maloney, Kerry