Project Management Work Plan
Brenner Road Site (3-44-056)
Congers, New York

Prepared for

New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared by

EA Engineering, P.C., and Its Affiliate
EA Science and Technology
6712 Brooklawn Parkway, Suite 104
Syracuse, New York 13211-2158
(315) 431-4610

May 2008
Revision: FINAL
EA Project No. 14368.26

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15 May 2008
Christopher J. Canonica, P.E., Program Manager — Date
EA Engineering, P.C.

15 May 2008
Judith A. Graham, Project Manager — Date
EA Science and Technology

15 May 2008
Kris Charney, Site Manager — Date
EA Science and Technology

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LIST OF FIGURES

1. INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) tasked EA Engineering, P.C. and its affiliate EA Science and Technology (EA) with an Immediate Activation Work Assignment (IAWA) to perform a Site Characterization (SC) at the Brenner Road Site (NYSDEC Site No. 3-44-056) Town of Clarkstown, Congers, Rockland County, New York (Figure 1).

The Work Assignment will be conducted under the NYSDEC State Superfund Standby Contract Work Assignment No. D004438-26. The initial step in the Work Assignment is preparation of this Project Management Work Plan (PMWP), which describes the anticipated work activities and the associated budget and staffing plan. The elements of this PMWP were prepared in accordance with the most recent and applicable guidelines and requirements of NYSDEC.

1.1 OBJECTIVES

The objectives of this Work Assignment are:

- Complete an environmental records review and review available data relating to the site and adjacent sites. Records review will include available reports relating to Wilsonart International and residential wells in the area sampled by Rockland County Health Department.

- Complete a geophysical survey of the subject site using a resistivity survey or similar geophysical survey to delineate chlorinated solvents in soil and groundwater and to map bedrock surfaces and features within the industrial park.

- Install up to twelve soil borings/groundwater monitoring wells in the vicinity of the site for the collection of soil and groundwater samples.

- Conduct a site survey that includes existing monitoring wells, newly installed monitoring wells, and basic structures for the preparation of a base map.

- Document all field activities, submit analytical samples to Environmental Laboratory Analytical Program- (ELAP)-certified laboratories, summarize analytical data, and qualify analytical data through third party data validation.

- Prepare a SC report summarizing all field activities and findings of the site investigation.

1.2 PROJECT MANAGEMENT WORK PLAN ORGANIZATION

This PMWP is organized into the following sections:

- ***Section 1***-Provides the overall approach and specific activities that will be performed during the SC at the Brenner Road.

- ***Section 2***-Presents the project organization and schedule.

- ***Section 3***-Identifies areas of work that will require subcontracting.

- ***Section 4***-Presents the utilization plan for Minority/Women-Owned Business Enterprise. (M/WBE) subcontractors and Equal Employment Opportunity (EEO) within EA.

This PMWP is a stand alone document; a more detailed SC Work Plan describing proposed field activities, quality assurance procedures, and health and safety considerations will be submitted under a separate cover.

The budget for this Work Assignment (Schedule 2.11) is provided in Appendix A.

1.3 DESCRIPTION OF WORK TASKS

The following tasks have been completed or will be completed as part of the site characterization:

- Work Plan development
- Geophysical Investigation and Subsurface Investigation
- Field documentation and reporting.

A brief summary of each activity is provided below and further details of the field activities will be provided in the Work Plan.

1.3.1 Work Plan Development (Task 1)

A meeting was held at the Brenner Road Site, Congers, New York on 12 March 2008 in conjunction with the development of this PMWP. Meeting attendees included a representative from the NYSDEC Division of Environmental Remediation and EA. The site visit was performed in order to become familiar with the area and discuss proposed field work activities.

1.3.2 Subsurface Investigation (Task 2)

Environmental sampling will consist of soil and groundwater sampling at various locations throughout the targeted area (Figure 2). The protocol for this effort will follow *New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion in the State of New York,* October 2006 and NYSDEC Division of Environmental Remediation *DER-10 Technical Guidance for Site Investigation and Remediation,* December 2002.

1.3.3 Field Documentation and Reporting (Task 3)

Field logbooks, soil boring logs, and groundwater purge forms will be used during on-site work. A dedicated field logbook will be maintained by the site manager responsible for overseeing the investigation activities. In addition to the logbook, original sampling forms and purge forms used during the field activities will be submitted to NYSDEC as part of the final report. Field and sampling procedures, including installation of the groundwater monitoring wells, will be photo documented.

Upon completion of the field activities, a SC report will be prepared and submitted to NYSDEC that includes a summary of field and laboratory analytical data, presents the locations of field samples, and a summary/discussion of the findings of the site investigation.

2. PROJECT ORGANIZATION AND SCHEDULE

2.1 PROJECT ORGANIZATION

The SC at the Brenner Road Site will be managed through an organized effort of scientific and engineering personnel and technical resources. These efforts will employ pre-approved field procedures, sampling techniques, and analytical methods to accomplish the project objectives as outlined in the Work Plan. Effective program organization will accommodate these requirements while maintaining a manageable degree of control over these activities.

The project organization for the accomplishment of this effort is illustrated in Figure 3. The key technical management of this investigation will be accomplished by the project manger and assigned project team. Additional individuals will be made available, if warranted. Areas of work that require subcontracting are discussed in Section 3.

2.2 PROJECT MANAGEMENT

EA will provide oversight, coordination, health and safety, field support, and evaluation of analytical data. EA will also be responsible for evaluation of analytical test results, which will be submitted to NYSDEC. The EA staff members involved in this project are detailed below:

- ***Chris Canonica, EA Program Manager and Project Quality Assurance/Quality Control (QA/QC) Officer—***The QA/QC Officer will provide guidance on technical matters and review technical documents relating to the project. He will assess the effectiveness of the QA/QC program and recommend modifications when applicable. Additionally, the QA/QC Officer may delegate technical guidance to specially trained individuals under his direction.

- ***Judy Graham, Geologist, EA Project Manager***—The Project Manager provides overall coordination and preparation of the project within EA. This includes coordination with NYSDEC and New York State Department of Health, budget control, subcontractor performance, implementation of the Quality Assurance Project Plan, and allocation of resources and staffing to implement both the QA/QC program and the site Health and Safety Plan.

- ***Scott Graham, C.P.G., EA Project QA/QC Coordinator—***The Project QA/QC Coordinator is responsible for project-specific supervision and monitoring of the QA/QC program. He will ensure that field personnel are familiar with and adhere to proper sampling procedures, field measurement techniques, sample identification, and chain-of-custody procedures. He will coordinate with the analytical laboratory for the receipt of samples and reporting of analytical results, and will recommend actions to correct deficiencies in the analytical protocol or sampling. Additionally, he will prepare QA/QC reports for management review.

- ***Kris Charney, EA Site Manager***—The Site Manager will serve as the on-site contact person for field investigations and tests. He will be responsible for coordinating the field activities, including inspecting and replacing equipment, preparing daily and interim reports, scheduling sampling, and coordinating shipment and receipt of samples and containers.

The Program Health and Safety Officer is also an integral part of the project implementation team.

- ***Peter Garger, EA Program Health and Safety Officer***—The Program Health and Safety Officer will be responsible for the development, final technical review, and approval of the Health and Safety Plan. In addition, he will provide authorization, if warranted, to modify personal protective equipment requirements based on field conditions. He will also provide final review of all health and safety monitoring records and personal protective equipment changes to ensure compliance with the provisions of the Health and Safety Plan.

2.3 PROJECT SCHEDULE

The proposed schedule for completion of the SC is presented on Figure 4. The schedule includes tasks up to the completion of the Data Usability and Summary Report associated with this Work Assignment. The schedule assumes field activities will begin on 23 June 2008. The schedule does not account for delays due to unforeseen site conditions (i.e., inclement weather).

Every attempt will be made to adhere to the schedule presented. Unexpected delays will be documented and reported to NYSDEC in a timely fashion. If the schedule needs to be modified, EA will contact NYSDEC for approval of the updated schedule.

3. SUBCONTRACTORS

Successful implementation of the field and reporting activities associated with this Work Assignment will require the following types of subcontractors:

- A drilling contractor to drill soil borings and install groundwater monitoring wells
- A geophysical contractor to provide resistivity survey of the area.
- A professional survey contractor to provide survey data for a base map.
- An off-site laboratory to analyze various environmental samples (groundwater/soil)
- A data validator to perform a usability analysis of the laboratory data associated with the field samples.

In accordance with the NYSDEC draft *Handbook for Standby Consultant Contracts (for DER Standby Consultants)* (NYSDEC 2005)[1], EA established standby subcontracts for laboratory analyses, drilling, and data validation. EA is distributing the laboratory analyses and data validation services to these standby subcontractors on a rotational basis and as necessary to satisfy EA's M/WBE goals. Nancy J. Potak will be performing the data validation services. Life Science Laboratories, Inc was next in the rotation and will provide analytical services for the project.

Quotes for the site-specific drilling items (e.g., mobilization/demobilization) were solicited from four standby subcontracted drilling contractors, as specified in the NYSDEC draft *Handbook for Standby Consultant Contracts*. All four drilling contractors submitted site-specific drilling items and mobilization costs associated with this Work Assignment. Aztech Drilling submitted the lowest overall rate to perform the drilling services required to complete this Work Assignment.

Based on the evaluation of current subcontractor standby rates and rates quoted from non-standby subcontractors, EA proposes the list of subcontractors provided below. Additional cost information from the subcontractors not under standby contract is included in Appendix B.

Activity	Subcontractor	Projected Contract Amount ($)
Analytical Laboratory Analysis (Soil and Groundwater)	Life Sciences Laboratories, Inc.	3,420
Data Validation Services	Nancy J. Potak	264
Surveyor	MJ Engineering	7,864
Driller	Aztech Drilling	35,061
Geophysical	Aestus, LLC	21,480
Disposal Contractor	Clean Harbors	1,701

[1] NYSDEC. 2005. draft *Handbook for Standby Consultant Contracts (for DER Standby Consultants)*. December.

4. MINORITY/WOMAN-OWNED BUSINESS ENTERPRISE-EQUAL EMPLOYMENT OPPORTUNITY UTILIZATION PLAN

It is understood that EA is required by NYSDEC to make Good Faith Efforts towards the realization of M/WBE-EEO goals established in the NYSDEC draft *Handbook for Standby Consultant Contracts*. Accordingly, the remainder of this section contains the Consultant/Contractor Detailed M/WBE-EEO Utilization Plan prepared for this Work Assignment. The M/WBE-EEO Utilization Plan identifies that EA's goals are to award 20 percent of the total contract costs to M/WBE firms. Specifically, the goals are to award 15 percent of the total contract costs to MBE firms ($17,517) and 5 percent of the total contract costs to WBE firms ($5,839). In addition, EA's goals are to have 10 percent of EA's workforce for the project be minority and 10 percent be female.

In accordance with the NYSDEC draft *Handbook for Standby Consultant Contracts*, EA established standby subcontracts with 10 New York State Department of Economic Development certified M/WBE firms that provide laboratory analyses, data validation, drilling and surveying/engineering services. In order to meet the M/WBE goals, EA solicited quotes for mobilization/demobilization and other site-specific drilling items (not previously quoted) from the four standby drilling companies. In addition, EA proposes to use a standby M/WBE subcontractors (as identified below) to perform the laboratory analyses, drilling, and data validation services required to conduct the preliminary site assessment at the Brenner Road Site as detailed in Section 3 of this PMWP.

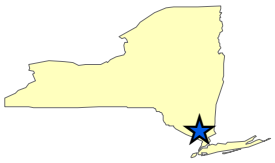
Subcontractor	Classification	Service to be Performed	Projected Contract Amount ($)	Award Date	Contract Start Date	Projected Completion Date
Nancy J. Potak	WBE	Data Validation	$264	TBD	TBD	TBD
Aztech Drilling	WBE	Drilling	$35,061	TBD	TBD	TBD
MJ Engineering	MBE	Surveyor	$7,864	TBD	TBD	TBD

Approximately 30 percent of the total contract costs are proposed to be performed by WBE firms, which is higher than the Standby Contract WBE utilization goals. Approximately seven percent of the total contract costs are proposed to be performed by a MBE firm, which does not meet the Standby Contract MBE utilization goals. A total of approximately 37 percent of the total project costs are anticipated to be awarded to M/WBE firms.

As identified in the M/WBE-EEO Utilization Plan, approximately 10 percent of EA's total contract hours for the site characterization at the Brenner Road Site are proposed to be completed by female employees (Section 4.1). However, none of EA's total contract hours are anticipated to be worked by minority employees.

4.1 CONSULTANT/CONTRACTOR DETAILED M/WBE-EEO UTILIZATION PLAN

The plan consists of four forms, which are included in Appendix C.



Legend

EA Site Location

0 0.5 1 2

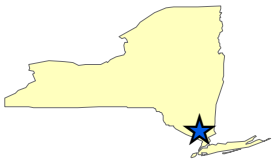
Miles

Source: ESRI Street Maps USA 2008

BRENNER ROAD
SITE CHARACTERIZATION
CONGERS, NEW YORK

FIGURE 1
SITE LOCATION MAP

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JAG	MJS	MJS	JAV	AS SHOWN	APRIL 2008	14368.26	GIS/PROJECTS/ FIGURE1.MXD



Legend

Proposed Soil Borings and Monitoring Well Locations

Areas of Known TCE Contamination

0 125 250 500

Feet

Source: NYS GIS Clearinghouse 2004 Natural Color Orthoimagery

BRENNER ROAD
SITE CHARACTERIZATION
CONGERS, NEW YORK

FIGURE 2
PROPOSED SOIL BORINGS AND
MONITORING WELL LOCATIONS

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JAG	MJS	MJS	JAV	AS SHOWN	APRIL 2008	14368.26	GIS/PROJECTS/ FIGURE1.MXD

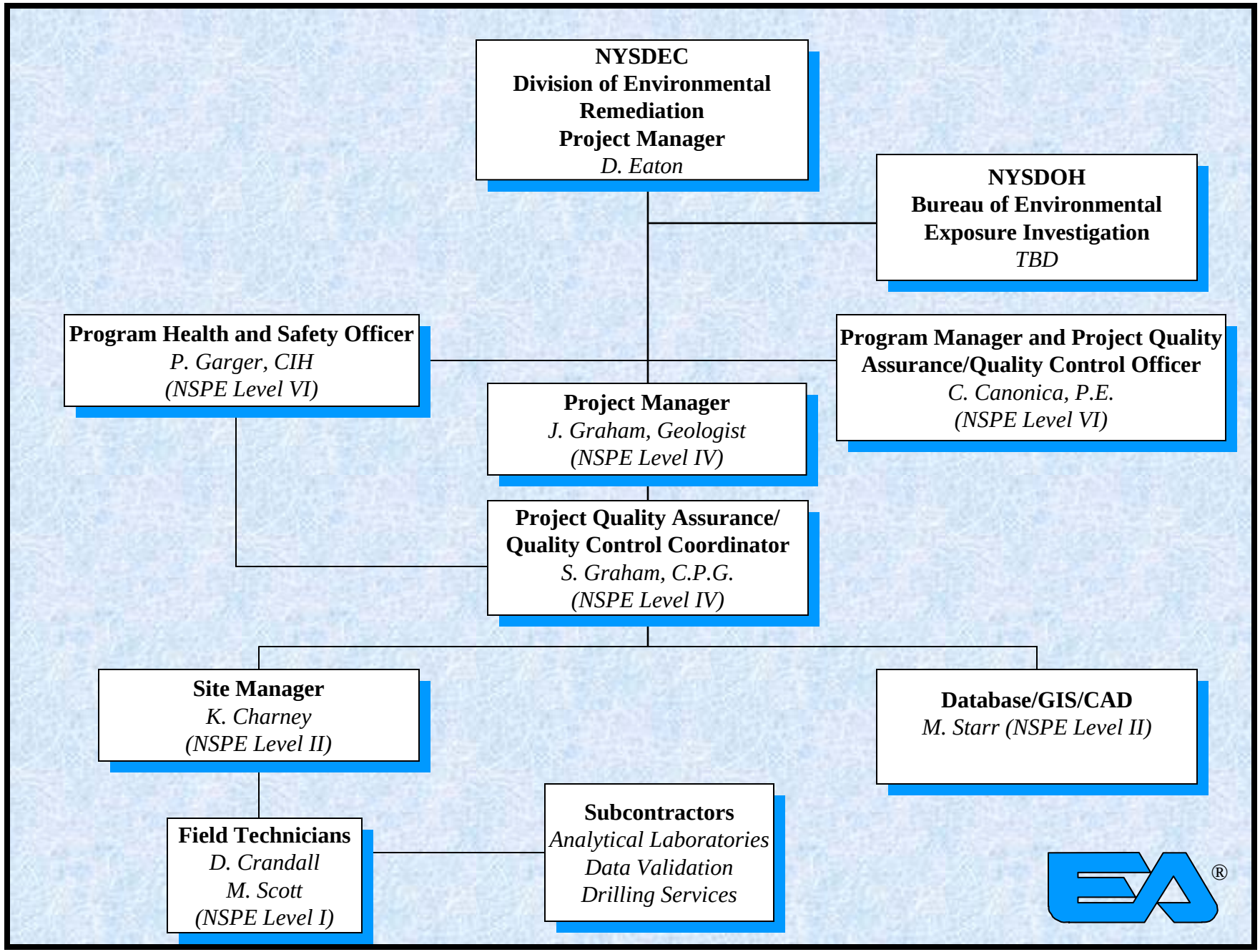
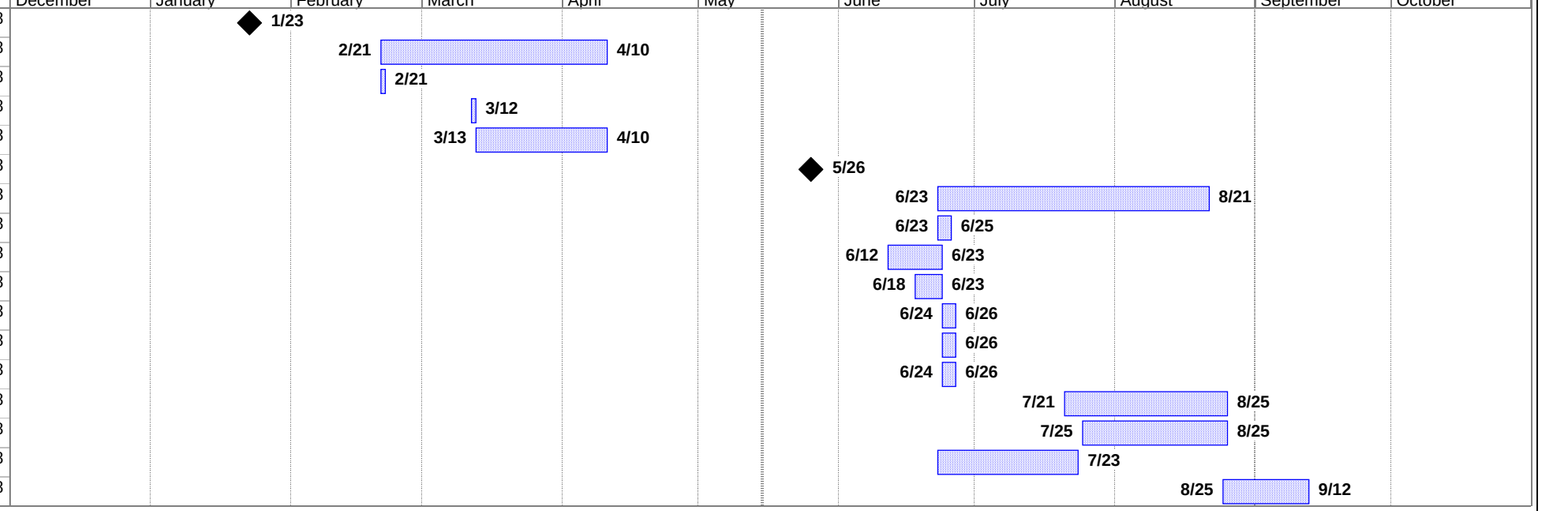


Figure 3 - Project organization chart for Site Characterization – Brenner Road Site

Figure 4 Project Schedule
Project Management
Brenner Road Site
NYSDEC Site No. 3-44-056

ID	Task Name	Duration	Start	Finish
1	Receipt of Work Assignment	1 day	Wed 1/23/08	Wed 1/23/08
2	Task 1 - Preparation of PM Work Plans	36 days	Thu 2/21/08	Thu 4/10/08
3	Task 1.1.1 - Scoping Session	1 day	Thu 2/21/08	Thu 2/21/08
4	Task 1.1.2 - Site Visit	1 day	Wed 3/12/08	Wed 3/12/08
5	Task 1.2 - Prepartion of Site Characterization	21 days	Thu 3/13/08	Thu 4/10/08
6	Receive Notice to Proceed	1 day	Mon 5/26/08	Mon 5/26/08
7	Task 2 - Site Investigation	44 days	Mon 6/23/08	Thu 8/21/08
8	Task 2.1 Geophysical Survey	3 days	Mon 6/23/08	Wed 6/25/08
9	Task 2.2 Soil Borings and Monitoring Wells	8 days	Thu 6/12/08	Mon 6/23/08
10	Task 2.3 Well Development	4 days	Wed 6/18/08	Mon 6/23/08
11	Task 2.4 - Groundwater Sampling	3 days	Tue 6/24/08	Thu 6/26/08
12	Task 2.5 - Site Survey	3 days	Tue 6/24/08	Thu 6/26/08
13	Task 2.6 - Storage and Disposal of Waste	3 days	Tue 6/24/08	Thu 6/26/08
14	Task 3 - Field Documentation and Reporting	26 days	Mon 7/21/08	Mon 8/25/08
15	Task 3.1 - Data Validation/Determination of Usability	22 days	Fri 7/25/08	Mon 8/25/08
16	Task 3.2 - Site Survey and Basemap Preparation	23 days	Mon 6/23/08	Wed 7/23/08
17	Task 3.3 - Final Report Preparation	15 days	Mon 8/25/08	Fri 9/12/08



Project: 1436826
Date: Thu 5/15/08

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

Appendix A

Work Assignment
Budget Schedule 2.11

Schedule 2.11 (a)

Summary of Work Assignment Price

Work Assignment Number D004438-26

1)	Direct Salary Costs (Schedules 2.10(a) and 2.11(b))			$15,201
2)	Indirect Costs (Schedule 2.10(g))			$23,173
3)	Direct Non-Salary Costs (Schedule 2.10(b)(c)(d) and 2.11(c)(d))			$3,092
4)	Subcontract Costs			
	Cost-Plus-Fixed-Fee Subcontracts (Schedule 2.10(e) and 2.11(e))			
	Name of Subcontractor		**Services To Be Performed**	**Subcontract Price**
	i)	MJ Engineering	Surveying	*$7,864*
A)	**Total Cost-Plus-Fixed-Fee Subcontracts**			$7,864
	Unit Price Subcontracts (Schedule 2.10(f) and 2.11(f))			
	Name of Subcontractor		**Services To Be Performed**	**Subcontract Price**
	i)	Life Science Laboratories	Laboratory Analyses	*$3,420*
	ii)	Aztech Technologies	Drilling Services	*$35,061*
	iii)	Aestus LLC	Geophysical Survey	*$21,480*
	iv)	EPS	IDW Disposal	*$1,701*
	v)	Nancy Potak	Data validation	*$264*
B)	**Total Unit Price Subcontracts**			$61,926
5)	Subcontract Management Fee			$2,840
6)	Total Subcontract Costs (Lines 4A + 4B + 5)			$72,631
7)	Fixed Fee (Schedule 2.10(h))			$2,686
8)	Total Work Assignment Price (Lines 1 + 2 + 3 + 6 + 7)			$116,783

Engineer/Contract #	EA Engineering, P.C. D004438	**Date Prepared**	9-May-08
Project Name	Brenner Road Site - 344056		
Work Assignment No.	D004438-26		

Schedule 2.11 (b)
Direct Labor Hours Budgeted

Labor Classification	*IX*	*VIII*	*VII*	*VI*	*V*	*IV*	*III*	*II*	*I*	*Total Direct Labor Hrs.*
2008 Average Salary Rates		66.50	56.12	50.59	46.18	36.85	26.78	22.63	17.74	
2009 Average Salary Rates		68.50	57.80	52.11	47.57	37.96	27.58	23.31	18.27	
2010 Average Salary Rates		70.55	59.54	53.67	48.99	39.09	28.41	24.01	18.82	
Task 1 - 2008				4	8	60	10	4	2	88
Task 1 - 2009										0
Task 1 - 2010										0
Task 1 Total Hours	0	0	0	4	8	60	10	4	2	88
									Task 1 Direct Labor Total Cost	$3,176.60
Task 2 - 2008				2	4	60	160	4	2	232
Task 2 - 2009										0
Task 2 - 2010										0
Task 2 Total Hours	0	0	0	2	4	60	160	4	2	232
									Task 2 Direct Labor Total Cost	$6,907.70
Task 3 - 2008				8	4	60	44	44	8	168
Task 3 - 2009										0
Task 3 - 2010										0
Task 3 Total Hours	0	0	0	8	4	60	44	44	8	168
									Task 3 Direct Labor Total Cost	$5,116.40
Total Hours 2008	0	0	0	14	16	180	214	52	12	488
Total Hours 2009	0	0	0	0	0	0	0	0	0	0
Total Hours 2010	0	0	0	0	0	0	0	0	0	0
									Total Hours fo the WA	488
Direct Labor Cost ($) 2008	$0.00	$0.00	$0.00	$708.26	$738.88	$6,633.00	$5,730.92	$1,176.76	$212.88	$15,200.70
Direct Labor Cost ($) 2009	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Direct Labor Cost ($) 2010	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
										$15,200.70

* For multiple years use one average salary rate row for each year and each years subtotal Labor Cost.

Engineer/Contract # EA Engineering, P.C. D004438
Project Name Brenner Road Site - 344056
Work Assignment No. D004438-26

Date Prepared 9-May-08

Schedule 2.11 (b-1)
Direct Administrative Labor Hours Budgeted

Labor Classification	*IX*	*VIII*	*VII*	*VI*	*V*	*IV*	*III*	*II*	*I*	*Total No. of Direct Labor Hrs.*
2008 Average Salary Rates*		66.50	56.12	50.59	46.18	36.85	26.78	22.63	17.74	
2009 Average Salary Rates*		68.50	57.80	52.11	47.57	37.96	27.58	23.31	18.27	
2010 Average Salary Rates*		70.55	59.54	53.67	48.99	39.09	28.41	24.01	18.82	
Task 1 - 2008							2	4		6
Task 1 - 2009										0
Task 1 - 2010										0
Task 1 Total Hours	0	0	0	0	0	0	2	4	0	6
									Task 1 Direct Administravtive Total Cost	$144.08
Task 2 - 2008								4	2	6
Task 2 - 2009										0
Task 2 - 2010										0
Task 2 Total Hours	0	0	0	0	0	0	0	4	2	6
									Task 2 Direct Administravtive Total Cost	$126.00
Task 3 - 2008							4	2		6
Task 3 - 2009										0
Task 3 - 2010										0
Task 3 Total Hours	0	0	0	0	0	0	4	2	0	6
									Task 3 Direct Administravtive Total Cost	$152.38
Total Hours - 2008	0	0	0	0	0	0	6	10	2	18
Total Hours - 2009	0	0	0	0	0	0	0	0	0	0
Total Hours - 2010	0	0	0	0	0	0	0	0	0	0
									Total Hours for the WA	18
Direct Labor Cost ($) 2008	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$160.68	$226.30	$35.48	$422.46
Direct Labor Cost ($) 2009	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Direct Labor Cost ($) 2009	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
									Total Direct Adminstrative Labor Cost ($)	$422.46

* For multiple years use one average salary rate row for each year and each years subtotal Labor Cost.

Contract/Project administrative hours would include (subject to contract allowability) but not necessarily be limited to the following activities:

1) Work Plan Budget Development
- Conflict of Interest Check
- Budget schedules & supporting documentation

2) Review work assignment (WA) progress
- Conduct progress reviews
- Prepare monthly project report
- Update WA progress schedule
- Prepare M/WBE Utilization Report

3) Contractor Application for Payment (CAP)
- Oversee and prepare monthly CAP

4) Program Management
- Prepare monthly cost control report
- Cost control reviews
- Staffing plans
- Manage subcontracts
- NSPE list update
- Equipment inventory

5) Miscellaneous
- Conduct Health and Safety Reviews
- Word processing and graphic artists
- Report editing

Contract/Project administration hours would not include:
- QA/QC reviews
- Technical oversight by management
- Develop subcontracts
- Work plan development
- Review of deliverables

Schedule 2.11 (c)

Direct Non-Salary Costs

Engineer: EA Engineering, P.C.
Contract D004438
Project Name: Brenner Road Site - 344056
Work Assignment No.: D004438-26

Item		Maximum Reimbursement Rate	(Specify Unit)	Est. No. of Units	Total Estimated Cost ($)
A)	**In-house Costs**				
1)	8.5 x 11 print/copy (black and white)	$0.05	$/page	250	$12.50
2)	8.5 x 11 print/copy (color)	$0.75	$/page	28	$21.00
3)	Full Size Construction Drawings (i.e. permit,	$1.80	each	0	$0.00
4)	Reproduction - Bid Documents	$0.10	each	0	$0.00
5)	Reproduction - Full Size Construction	$0.30	each	0	$0.00
6)	Report Cover Sets	$1.75	each	4	$7.00
7)	Microcomputer GIS (Arc/info)	$6.25	$/hour	14	$87.50
8)	Microcomputer Graphics/CADD	$1.50	$/hour	0	$0.00
9)	Personal Protective Equipment (Level C)	$27.00	$/man-day	0	$0.00
10)	Personal Protective Equipment (Level D)	$13.00	$/man-day	7	$91.00
11)	Shipping - Submittals	$50.00	each	3	$150.00
12)	Shipping - Samples	$50.00	50 lbs	2	$100.00
13)	Environmental Data Report	$495.00	each	0	$0.00
				In-house Costs Total	$469.00
B)	**Miscellaneous**				
	Travel:				
	Travel Day: Rockland County	$36.75	day	5	$183.75
	Per diem: Rockland County	$49.00	day	5	$245.00
	Lodging: Rockland County	$108.00	night	5	$540.00
	Air Travel	$350.00	each	0	$0.00
	Rental Car:	$45.00	day	0	$0.00
	Local Mileage:	$0.505	mile	1400	$707.00
				Miscellaneous Total	$1,675.75
	Total Direct Non-Salary Costs				**$2,144.75**

*See Schedule 2.10(b) for rates.

Work Assignment No. D004438-26

Schedule 2.11(d) 2

Maximum Reimbursement Rates for Consultant Owned Equipment

Item	Purchase Price ($) x 85%	Usage Rate* ($/Unit of Time)	Capital Recovery** Rate ($/Unit of Time)	O&M Rate ($/Unit of Time)	Est. Usage (Unit of Time)	Est. Usage Cost ($) (Col. 3 x 6)
Task 2						
GeoPump2 Peristaltic Pump		$25.00 day			3	$75.00
Solinst 122 or Heron H.01L Interface Probe 100 ft		$45.00 day			3	$135.00
					TOTAL	**$210.00**

Work Assignment No. D004438-26

Schedule 2.11(d) 3

Maximum Reimbursement Rates for Vendor-Rented Equipment

Item	Reimbursement Rate ($)	Unit of Time	Est. Usage (Unit of Time)	Est. Usage Cost ($) (Col. 2 x 3)
Task 2				
PID	$200.00	week	1	$200.00
Water Quality Meter	$180.00	week	1	$180.00
			TOTAL	**$380.00**

* Reimbursement will be made at the Maximum Reimbursement rate or the actual rental rate, whichever is less.

Work Assignment No. D004438-26

Schedule 2.11(d) 5

Consumable Supplies

Item	Estimated Quantity	Unit Cost ($)	Total Budgeted Cost (Col . 2 x 3) ($)
Task 2			
Field Book	1	$18.00	$18.00
Gloves	1	$20.00	$20.00
Low Value Equipment	200	$0.80	$160.00
Tubing	300	$0.25	$75.00
Bailers	7	$12.00	$84.00
		TOTAL	**$357.00**

Schedule 2.11(e)

Cost-Plus-Fixed-Fee Subcontracts
Work Assignment Number D004438-26

Name of Subcontractor
MJ Engineering
A) Direct Salary Costs

Services to be Performed

Subcontract Price
$7,864.20

Professional Responsibility Level	Labor Classification	Ave. Reimbursement Rate ($/Hr.)	Max. Reimbursement Rate ($/Hr.)	Est. No. of Hours	Total Est. Direct Salary Cost (Ave. Reimb. Rate x Est. # of Hrs.)
Task 2					
	Land Surveyor	$42.85		2	$85.70
	Technician IV	$31.60		8	$252.80
	Technician III	$23.50		4	$94.00
	Technician II	$20.00		16	$320.00
	Party Chief	$24.65		40	$986.00
	Instrument Person	$19.30		40	$772.00
Total Direct Salary Costs					$2,510.50

Footnotes:

1) The labor rate averages and maximums shall be adjusted by a rate equal to the increase in the CPI index CUURA101SAO-"All Urban Consumers-New York-Northern N.J.-Long Island" for the previous year. This index is published by the U.S. Department of Labor's Bureau of Labor Statistics. The adjustment will be calculated every January and will be effective for subsequent work assignment billing and budgeting purposes.

2) Schedule 2.10(a) may be re-negotiated after four (4) years at the request of either party. Any revision as a result of renegotiation will be subject to the approval of the Office of the State Comptroller.

3) The maximum annual escalation is limited to 5%.

4) Reimbursement will be limited to the lesser of either of the individual's actual hourly rate or the maximum rate for each labor category.

5) Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.

6) Only those labor classifications indicated with an asterisk will be entitled to overtime.

7) Reimbursement for technical time of principals, owners, and officers will be limited to the maximum reimbursement rate of that category, the actual hourly labor rate paid, or the State M-6 rate, whichever is lower.

8) Maximum reimbursement rates may be exceeded for work assignment activities that are under the jurisdiction of the Schedule of Prevailing Wage Rates set by the New York State Department of Labor.

B) Indirect Costs

Indirect costs shall be paid based on a percentage of direct salary costs incurred which shall not exceed a maximum of
142.00% or the actual rate calculated in accordance with 48 CFR Federal Acquisition Regulation, whichever is lower.

Amount budgeted for indirect costs is:
Total Indirect Costs $3,564.91

C) Maximum Reimbursement Rates for Direct Non-Salary Costs

Item		*Max. Reimbursement Rate (Specify Unit)*	*Est. # of Units*	*Total Estimated Cost*
1) Travel				
Per diem:	Rockland County	$36.75 travel day	0	$0.00
Per diem:	Rockland County	$49.00 day	6	$294.00
Lodging:	Rockland County	$108.00 night	6	$648.00
Air Travel:		$0.00 ls	0	$0.00
Rental Car:		$0.00 day	0	$0.00
Tolls		$0.000 trip	0	$0.00
Local Mileage:		$0.505 trip	600	$303.00
			Travel Total	$1,245.00
2) Supplies				
				$0.00
				$0.00
			Supplies Total	$0.00
Total Direct Non-Salary Costs				$1,245.00

D) Fixed Fee 9.00%

The fixed fee is:
Total Fixed Fee $546.79

Schedule 2.11(f)

Unit Price Subcontracts
Work Assignment Number D004438-26

Name of Subcontractor Life Science Laboratories	**Services to be Performed** Laboratory Analyses	**Subcontract Price** $3,420.00	**Management Fee** $0.00
Item	**Max. Reimbursement Rate (Specify Unit)**	**Est. No. of Units**	**Total Est. Cost**
Task 2			
VOC - 8260 aqueous (+1 ms/msd/dup/tb)	$90.00 per sample	16	$1,440.00
VOC - 8260 soil (+1 ms/msd/dup/rinse blanks)	$90.00 per sample	22	$1,980.00
Subtotal Subcontract Price			$3,420.00
Subcontract Management Fee			$0.00
TOTAL			$3,420.00

Schedule 2.11(f)

Unit Price Subcontracts
Work Assignment Number D004438-26

Name of Subcontractor	**Services to be Performed**	**Subcontract Price**	**Management Fee**
EPS	Waste Disposal	$1,701.00	$0.00

Item	**Max. Reimbursement Rate (Specify Unit)**	**Est. No. of Units**	**Total Est. Cost**
Task 2			
Transportation	$315.00 trip	1	$315.00
Soil disposal	$135.00 per drum	7	$945.00
Water disposal	$127.00 per drum	7	$441.00
Subtotal Subcontract Price			$1,701.00
Subcontract Management Fee			$0.00
TOTAL			$1,701.00

Schedule 2.11(f)

Unit Price Subcontracts

Work Assignment Number D004438-26

Name of Subcontractor	**Services to be Performed**	**Subcontract Price**	**Management Fee**
Aestus LLC	Geophysical Survey	$21,480.00	$1,074.00

Item	**Max. Reimbursement Rate (Specify Unit)**	**Est. No. of Units**	**Total Est. Cost**
Task 2			
Project Set up and Mobilization	$1,425.00 lump sum	1	$1,425.00
Field Work - Day	$4,900.00 day	2	$9,800.00
Field Work - Evening	$5,635.00 day	0.5	$2,817.50
Demobilization	$1,125.00 lump sum	1	$1,125.00
Data Reduction	$675.00 day	2.5	$1,687.50
Submit Draft Report	$1,350.00 day	2.5	$3,375.00
Web Conference for Project Review	$250.00 lump sum	2	$500.00
Submit Final Report	$300.00 day	2.5	$750.00
Subtotal Subcontract Price			$21,480.00
Subcontract Management Fee			$1,074.00
TOTAL			$22,554.00

Schedule 2.11(f)

Unit Price Subcontracts

Work Assignment Number D004438-26

Name of Subcontractor	**Services to be Performed**	**Subcontract Price**	**Management Fee**
Nancy Potak	Data validation	$264.00	$13.20

Item	**Max. Reimbursement Rate (Specify Unit)**		**Est. No. of Units**	**Total Est. Cost**
Task 3				
VOC - 8260 aqueous	$11.00	each	12	$132.00
VOC - 8260 soil	$11.00	each	12	$132.00
Subtotal Subcontract Price				$264.00
Subcontract Management Fee				$13.20
TOTAL				$277.20

Schedule 2.11(f)

Unit Price Subcontracts

Work Assignment Number D004438-26

Name of Subcontractor	**Services to be Performed**	**Subcontract Price**	**Management Fee**
Aztech Technologies	Drilling Services	$35,061.40	$1,753.07

Item	**Max. Reimbursement Rate (Specify Unit)**	**Est. No. of Units**	**Total Est. Cost**
Task 2			
Mobilization/demobilization (per diem, logs)	$2,578.00 each	1	$2,578.00
Drill rig and 2 crew	$1,310.00 day	14	$18,340.00
Decon pad	$420.00 each	1	$420.00
drums	$48.50 each	12	$582.00
PVC casing -2 in	$4.25 lf	220	$935.00
PVC caps	$5.00 each	6	$30.00
PVC Screen -2 in	$5.24 lf	110	$576.40
Cover	$89.00 each	6	$534.00
sand	$12.40 cf	20	$248.00
grout	$38.50 cf	26	$1,001.00
bentonite	$91.00 cf	2	$182.00
generator	$95.00 day	3	$285.00
NX rock coring	$50.00 lf	180	$9,000.00
Rockland County well permit fees	$350.00 each	1	$350.00
Subtotal Subcontract Price			$35,061.40
Subcontract Management Fee			$1,753.07
TOTAL			$36,814.47

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Engineer: EA Engineering, P.C.
Contract No: D004438
Project Name: Brenner Road Site - 344056
Work Assignment No.: D004438
Task#/Name: Summary
Complete:

Page: 1 of 1
Date Prepared: 9-May-08
Billing Period:
Invoice No.

	Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid To Date*	*C* *Total Disallowed To Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs To Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1	Direct Salary Costs				$0.00		$15,200.70		($15,200.70)
2	Indirect Costs				$0.00		$23,173.47		($23,173.47)
3	Subtotal Direct Salary Costs and Indirect Costs				$0.00		$38,374.17		($38,374.17)
4	Travel				$0.00		$1,675.75		($1,675.75)
5	Other Non-Salary Costs				$0.00		$1,416.00		($1,416.00)
6	Subtotal Direct Non-Salary Costs				$0.00		$3,091.75		($3,091.75)
7	Subcontractors				$0.00		$72,630.87		($72,630.87)
8	Total WA Cost				$0.00		$114,096.78		($114,096.78)
9	Fixed Fee 7%				$0.00		$2,686.19		($2,686.19)
10	Total WA Price				$0.00		$116,782.98		($116,782.98)

Program Manager(Engineer) _____ Date: _____

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Engineer:	EA Engineering, P.C.	**Page:**	1 of 1
Contract No:	D004438	**Date Prepared:**	9-May-08
Project Name:	Brenner Road Site - 344056	**Billing Period:**	
Work Assignment No.:	D004438-26	**Invoice No.**	
Task#/Name:	Task 1 - PMWP, Schedule 2.11, EEO Utilization Plan		
Complete:			

	Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid To Date*	*C* *Total Disallowed To Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs To Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1	Direct Salary Costs				$0.00		$3,176.60		($3,176.60)
2	Indirect Costs				$0.00		$4,842.73		($4,842.73)
3	Subtotal Direct Salary Costs and Indirect Costs				$0.00		$8,019.33		($8,019.33)
4	Travel				$0.00		$477.50		($477.50)
5	Other Non-Salary Costs				$0.00		$103.00		($103.00)
6	Subtotal Direct Non-Salary Costs				$0.00		$580.50		($580.50)
7	Subcontractors				$0.00		$0.00		$0.00
8	Total WA Cost				$0.00		$8,599.83		($8,599.83)
9	Fixed Fee 7%				$0.00		$561.35		($561.35)
10	Total WA Price				$0.00		$9,161.18		($9,161.18)

Program Manager(Engineer) _____ Date: _____

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Engineer: EA Engineering, P.C.
Contract No: D004438
Project Name: Brenner Road Site - 344056
Work Assignment No.: D004438-26
Task#/Name: Task 2 - Site Investigation
Complete:

Page: 1 of 1
Date Prepared: 9-May-08
Billing Period:
Invoice No.

	Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid To Date*	*C* *Total Disallowed To Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs To Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1	Direct Salary Costs				$0.00		$6,907.70		($6,907.70)
2	Indirect Costs				$0.00		$10,530.79		($10,530.79)
3	Subtotal Direct Salary Costs and Indirect Costs				$0.00		$17,438.49		($17,438.49)
4	Travel				$0.00		$1,198.25		($1,198.25)
5	Other Non-Salary Costs				$0.00		$1,112.00		($1,112.00)
6	Subtotal Direct Non-Salary Costs				$0.00		$2,310.25		($2,310.25)
7	Subcontractors				$0.00		$72,353.67		($72,353.67)
8	Total WA Cost				$0.00		$92,102.41		($92,102.41)
9	Fixed Fee 7%				$0.00		$1,220.69		($1,220.69)
10	Total WA Price				$0.00		$93,323.10		($93,323.10)

Program Manager(Engineer) _____ Date: _____

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Engineer:	EA Engineering, P.C.	**Page:**	1 of 1
Contract No:	D004438	**Date Prepared:**	9-May-08
Project Name:	Brenner Road Site - 344056	**Billing Period:**	
Work Assignment No.:	D004438-26	**Invoice No.**	
Task#/Name:	Task 3 - Reporting		
Complete:			

	Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid To Date*	*C* *Total Disallowed To Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs To Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1	Direct Salary Costs				$0.00		$5,116.40		($5,116.40)
2	Indirect Costs				$0.00		$7,799.95		($7,799.95)
3	Subtotal Direct Salary Costs and Indirect Costs				$0.00		$12,916.35		($12,916.35)
4	Travel				$0.00		$0.00		$0.00
5	Other Non-Salary Costs				$0.00		$201.00		($201.00)
6	Subtotal Direct Non-Salary Costs				$0.00		$201.00		($201.00)
7	Subcontractors				$0.00		$277.20		($277.20)
8	Total WA Cost				$0.00		$13,394.55		($13,394.55)
9	Fixed Fee 7%				$0.00		$904.14		($904.14)
10	Total WA Price				$0.00		$14,298.70		($14,298.70)

Program Manager(Engineer) _____ Date: _____

SCHEDULE 2.11(g) - Supplemental

Cost Control Report For Subcontracts

Engineer: EA Engineering, P.C.
Contract No: D004438
Project Name: Brenner Road Site - 344056
Work Assignment No.: D004438-26

Page: 1 of 1
Date Prepared: 9-May-08
Billing Period:
Invoice No.

Subcontract Name	*A Subcontract Costs Claimed this Application Inc. Resubmittals*	*B Subcontract Costs Approved for Payment on Previous Applications*	*C Total Subcontract Costs to Date (A plus B)*	*D Subcontract Approved Budget*	*E Management Fee Budget*	*F Management Fee Paid*	*G Total Costs to Date (C plus F)*
1 Life Science Laboratories			$0.00	$3,420.00	$0.00		$0.00
2 EPS			$0.00	$1,701.00	$0.00		$0.00
3 Aestus LLC			$0.00	$21,480.00	$1,074.00		$0.00
4 Nancy Potak			$0.00	$264.00	$13.20		$0.00
5 Aztech Technologies			$0.00	$35,061.40	$1,753.07		$0.00
6 MJ Engineering			$0.00	$7,864.20	$0.00		$0.00
7 TOTALS	$0.00	$0.00	$0.00	$69,790.60	$2,840.27		$0.00

Project Manager _____ 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) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

SCHEDULE 2.11(h)

MONTHLY COST CONTROL REPORT
SUMMARY OF LABOR HOURS
Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

Engineer: EA Engineering, P.C.
Contract No: D004438
Project Name: Brenner Road Site - 344056
Work Assignment No.: D004438-26

Date Prepared: 9-May-08
Billing Period:
Invoice No.:

NSPE Labor Classification	IX Exp/Est*		VIII Exp/Est		VII Exp/Est		VI Exp/Est		V Exp/Est		IV Exp/Est		III Exp/Est		II Exp/Est		I Exp/Est		Total No. of Direct Labor Hours Exp/Est	
Task 1	0.0		0.0		0.0		4.0		8.0		60.0		10.0		4.0		2.0		88.0	
Task 2	0.0		0.0		0.0		2.0		4.0		60.0		160.0		4.0		2.0		232.0	
Task 3	0.0		0.0		0.0		8.0		4.0		60.0		44.0		44.0		8.0		168.0	
																			0.0	
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Total Hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	16.0	0.0	180.0	0.0	214.0	0.0	52.0	0.0	12.0	0.0	488.0

* Expended/Estimated

Schedule 2.11(i)

Monthly Cost Control Report
*Equipment Inventory Control Form**

Engineer EA Engineering, P.C. ***Contract No.*** D004438

1) Equipment Description _____
Purchase Date _____
Purchase Price _____
Dates & Location of Use Since Last Report (Identify WA) _____
Present Storage Location _____
Condition of Equipment _____
Responsible Person and Phone No. _____

2) Equipment Description _____
Purchase Date _____
Purchase Price _____
Dates & Location of Use Since Last Report (Identify WA) _____
Present Storage Location _____
Condition of Equipment _____
Responsible Person and Phone No. _____

3) Equipment Description _____
Purchase Date _____
Purchase Price _____
Dates & Location of Use Since Last Report (Identify WA) _____
Present Storage Location _____
Condition of Equipment _____
Responsible Person and Phone No. _____

4) Equipment Description _____
Purchase Date _____
Purchase Price _____
Dates & Location of Use Since Last Report (Identify WA) _____
Present Storage Location _____
Condition of Equipment _____
Responsible Person and Phone No. _____

* This form must be completed for all Department owned equipment in the custody of the Engineer and submitted as part of the Monthly Cost Control Report.

Appendix B

Subcontractor Quotes

Surveyor

NYSDEC Site: Brenner Drive Site
Congers, Rockland County
MJ Engineering and Land Surveying
March 06, 2008

		Site Survey	Total Est. Hours	Average Rate 2008	Direct Technical Salary	
Land Surveyor		2	2	$42.85	$85.70	
Technician IV		8	8	$31.60	$252.80	
Technician III		4	4	$23.50	$94.00	
Technician II		16	16	$20.00	$320.00	
Party Chief		40	40	$24.65	$986.00	
Instrument Person		40	40	$19.30	$772.00	
Total Direct Technical Salary						$2,510.50
Overhead	142%					$3,564.91
Fixed Fee	9%					$546.79
Direct Non Salary Cost						
Prevailing Rate						
Party Chief		$28.46	0		$0.00	
Instrument Person		$25.87	0		$0.00	
Supplemental Benefits						
Party Chief		$10.80	0		$0.00	
Instrument Person		$10.80	0		$0.00	
Mileage		$0.50	600		$300.00	
Perdiem		$157.00	6		$942.00	
						$1,242.00
Total Estimated Fee						**$7,864.20**
Maximum Amount Payable						**$8,000.00**

Laboratory

Laboratory Analytical

Type of Sample	EPA Method	Unit Cost	Field Samples	Subtotal Cost
Volatile organic compounds	EPA 8260 - Cat B Aqueous	90	12	$1,080
Volatile organic compounds	EPA8260 - Cat B Non-Aqueous	90	12	$1,080
QA/QC samples [2]	EPA 8260 - Cat B Aqueous	90	4	$360
QA/QC samples [2]	EPA8260 - Cat B Non-Aqueous	90	10	$900
			Total Cost	***$3,420***

Additional Requirements:

1. A full analytical data package will be provide within 30 days of receipt of samples.
2. One MS/MSD/Duplicate sample required for each parameter per media, plus one rinse blank per each day of sampling.

Data Validator

Data Validation/DUSR

Type of Sample	Field Samples	EPA Method	Unit Cost	Subtotal Cost
Validation of VOC data (aqueous) - Cat B	12	8260B	$11	$132
Validation of VOC data (soil) - Cat B	12	8260B	$11	$132
			Total Cost	***$264***

Additional Requirements:

1. A DUSR will be provide within 30 days of receipt of each data package.
2. The data will be validated in accordance with Work Element IV - Analytical Quality Assurance/Quality Control Activities of NYSDEC Standby Contract D004438.

ENGINEER ESTIMATION

EA completed an engineer's estimation of data validation cost quotation received for work assignments under NYSDEC Contracts D004438 and D004441. The engineer's estimate was completed to provide verification of cost reasonableness for a sole/single source M/WBE subcontract below $10,000. The table below is an engineer's estimate for the data validation services to be subcontracted under work assignment D004438-26.

ENGINEER ESTIMATION– DATA VALIDATION SERVICES
NYSDEC CONTRACT NO. D004438-25
EA PROJECT NO. 14368.26

EA Engineering, P.C. – Data Validation Services Estimate			
Data Validation of Analytical Method	**Estimated Cost Per Sample**	**Number of Sample**	**Total Estimated Cost**
EPA Method 8260B	$25.00	24	$600
EPA Method 8270C	$27.00	0	$0
EPA Method 8081	$23.00	0	$0
EPA Method 8082	$23.00	0	$0
EPA Method 6010/7470	$25.00	0	$0
EPA Method 415.1	$15.00	0	$0
	Total Estimated Cost for Data Validation Services:		**$600**

Based upon the total estimated cost for data validation services the selected data validation contractor for work assignment D004438-26 is approximately 56% lower than the estimated cost for data validation services, and therefore is considered reasonable.

IDW Contractor

Disposal Contractor Bid Unit Price Table
Preliminary Site Assessment Work Plan
Brenner Road, Congers, New York

Item	Quantity	Unit	Unit Cost	Subtotal Cost
Transportation fees	1	per trip	$1,050.00	$1,050.00
Soil disposal (55-gallon drums)	20	each	$135.00	$2,700.00
Water disposal (55-gallon drums)	10	each	$135.00	$1,350.00
Waste Characterization Analysis	1	each	$0.00	$0.00
Clean Harbors Total				**$5,100.00**
Transportation fees	1	per trip	$1,050.00	$1,050.00
Soil disposal (55-gallon drums)	20	each	$135.00	$2,700.00
Water disposal (55-gallon drums)	10	each	$95.00	$950.00
Waste Characterization Analysis	1	each	provided by EA	$0.00
Optech Environmental Total				**$4,700.00**
Transportation fees	1	per trip	$315.00	$315.00
Soil disposal (55-gallon drums)	20	each	$150.00	$3,000.00
Water disposal (55-gallon drums)	10	each	$120.00	$1,200.00
Waste Characterization Analysis	1	each	provided by EA	$0.00
Environmental Products and Services Total				**$4,515.00**

Bid as non-hazardous waste

40 Hamilton Lane
Glenmont, NY 12077
Website: www.epsofvermont.com

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.
ALBANY NY DIVISION

PHONE: (518) 465-4000
FAX: (518) 465-5722
1-800-5SPILLS

WORK QUOTATION / AUTHORIZATION

FIRM	EA Engineering, Science and Technology	CONTACT	Judy Graham
	6712 Brooklawn Parkway		Ph# (315) 431-4610
	Suite 104, Syracuse, NY 13211-2158		Fax# (315) 431-4280
DATE	5/12/08		Re: Drum Disposal

Environmental Products & Services of Vermont, Inc. will furnish all labor, equipment, supervision, and materials, unless otherwise specified, to perform the following scope of work.

Transport and dispose of drums of petroleum impacted soil and water (non-hazardous) from Congers, New York. The drums will be DOT shippable and accessible to our box truck (drums on pavement). It is estimated that there will be 20 drums of impacted soil and 10 drums of impacted purge water from wells. Analytical data will need to be provided along with an acceptable profile of the waste. Analytical requirements are flash point, Method 8260 TCLP, and 8 RCRA Metals TCLP.

Transportation Cost:	$ 315.00/stop
Disposal of Petroleum Impacted Soil Cost (Non-hazardous):	$ 150.00/55-gallon drum
Disposal of Petroleum Impacted Purged Groundwater (Non-Haz):	$ 120.00/55-gallon drum
Empty 55-Gallon Drums:	$ 62.00/each

The above pricing includes the fuel surcharge. Tax is a separate line item unless a tax exempt form is provided prior to the start of work.

JOB COST: [ ] TIME & MATERIAL [x] QUOTED

If this job is quoted, any disposal or other work beyond the scope of work described above, unless agreed in writing, will be billed at the current Time and Material rates. All customer containerized waste must meet US DOT "UN" packaging standards if it is a hazardous DOT material. If the packaging does not meet these standards, Environmental Products & Services of Vermont, Inc. will overpack the containers and all associated costs incurred will be charged to the customer at Environmental Products & Services of Vermont, Inc. standard Time and Material Rates.

This quotation is valid for 30 days from the above date and subject to verification thereafter. Sales tax, if applicable, is a separate item. Standard payment terms are cash in advance, Visa/MasterCard, or phased billing with credit approval on net 10 days. Service charges may be imposed at 1.5 percent per month on all balances over thirty days. Customer will be responsible for all costs of collection, including, but not limited to, reasonable attorney's fees, court costs, and collection service fees.

Customer agrees to indemnify, exonerate, and hold Environmental Products & Services of Vermont, Inc. harmless against loss, damage, or expense, by reasons of suits, claims, demands, judgements, and causes of action for personal injury, death or property damage rising out of or in any way in consequence of the performance of all work undertaken by Environmental Products & Services of Vermont, Inc. except that in no instance shall the customer be held responsible for any liability claim demand or cause of action attributable solely to the gross negligence of Environmental Products & Services of Vermont, Inc.

I agree to accept the labor, materials, and equipment utilization as reported on the Environmental Products & Services of Vermont, Inc. Daily Job Reports. **If I wish to have them reviewed, I will have a representative on site at the completion of work each day to review and sign the Daily Job Reports.** The Daily Job Report is not applicable for product only sales. **See reverse side of this form for Product Delivery Charges and Returned Products Policy.**

Environmental Products & Services of Vermont, Inc. Representative
Jeffrey Kaleta

If you accept this proposal and terms set forth on both sides of the form, please sign below and return this original copy for our files.

By: _____ Title: _____ Date: _____

Job Number: _____ Customer Purchase Order Number: _____

OP-TECH
10 Walker Way
Albany, NY 12205
P: (518) 452-9641
F: (518) 869-1090

Attn: Jane Graham
EA Engineering Science and Technology
6712 Brooklawn Parkway
Suite 104
Syracuse, NY 13211

May 14, 2008

Dear Jane:

Thank you for considering OP-TECH ENVIRONMENTAL SERVICES to provide this proposal for drum disposal from various locations.

General Conditions:

Waste stream is non-hazardous petroleum contaminates
Access to waste
All waste items subject to verification
Drums to be DOT shippable
Client will be invoiced for actual material handled and shipped only
OP-TECH will supply all manifests and labeling

COST ESTIMATE:

Congers, NY -

Labor & Transportation:	**$ 1,050.00**
Demurrage (Transportation includes 2 hours for loading/unloading on both ends, any additional time will be billed per hour)	**$ 45.00**
Disposal: Twenty (20) 55-gal drums of non-hazardous petroleum solids, ($135.00/ea)	**$ 2,700.00**
Ten (10) 55-gal drums of non-hazardous petroleum water, ($95.00/ea)	**$ 950.00**
Congers Sub-Total	**$ 4,700.00**

Rosendale, NY -

Labor & Transportation:	**$ 950.00**
Demurrage (Transportation includes 2 hours for loading/unloading on both ends, any additional time will be billed per hour)	**$ 45.00**
Disposal: Twenty (20) 55-gal drums of non-hazardous petroleum solids, ($135.00/ea)	**$ 2,700.00**
Ten (10) 55-gal drums of non-hazardous petroleum water, ($95.00/ea)	**$ 950.00**
Rosendale Sub-Total	**$ 4,600.00**

Vestal, NY -

Labor & Transportation:	**$ 550.00**
Demurrage (Transportation includes 2 hours for loading/unloading on both ends, any additional time will be billed per hour)	**$ 45.00**
Disposal: Twenty (20) 55-gal drums of non-hazardous petroleum solids, ($135.00/ea)	**$ 2,700.00**
Ten (10) 55-gal drums of non-hazardous petroleum water, ($95.00/ea)	**$ 950.00**
Vestal Sub-Total	**$ 4,200.00**

Estimated Total for Three (3) Sites: $13,500.00

Contingencies:

- Free and ready access to the work site. Access for 18-wheeler required.
- Prices assume profile approval into OP-TECH's Waverly, NY 360 facility.
- **OP-TECH** is not responsible for any damage to un-marked or unidentified utilities.
- Sales tax, if applicable, is a separate item unless the proper tax-exempt or capital improvement documentation is provided.
- Standard payment terms are attached.
- Disposal, off specification charges or other work performed beyond the scope of work described above, unless agreed to in writing, will be billed at **OP-TECH's** standard time and material rates.
- VISA and MasterCard are accepted forms of payment.
- Due to continued higher fuel costs, the above pricing is subject to a fuel surcharge of 3.5% of the total invoice.
- A waste profile is required to be signed by the owner and approved by the disposal facility in advance of scheduling the work. Waste shipping documents are required to be signed by the owner at the time of shipment (prior to loading); this will include a separate shipping document for disposal of the truck wash waste.

This quote is good for thirty (30) days of date issued.

Thank you for this opportunity. We look forward to working with you in the near future.
If you have any other questions please contact Michael Wright at 518-452-9641.

Michael T. Wright

Michael T. Wright
Branch Manager – Albany, NY

Customer & OP-TECH Environmental agree to the Terms & Conditions set forth in this Proposal

OP-TECH Environmental Services, Inc — Date

Accepted By — Date

Graham, Judith

From: Stamberger, Kimberlee A [stamberger.kim@cleanharbors.com]
Sent: Thursday, May 15, 2008 10:18 AM
To: Graham, Judith
Cc: Bez, Irene J
Subject: Ball Park Quote for sites in NYS

Hi, Judy,

I got the message from Tony Napoli yesterday regarding a quote for 3 sites requiring pricing in NYS.

Could you please e-mail Irene and myself your contact information and we will complete a ball park quote for the drums you need removed. Once profiles have been approved, we will follow up with firm system-generated pricing. (Our invoices are created directly from this information).

It is my understanding that you have the following investigation-derived waste for disposal and that all drums are non-hazardous.

Site #1 Congress, NY

20x55 gal	Non-Hazardous Soil (100% solid)	CNO	$135/55gallon drum
10x55 gal	Non-Hazardous Water (100% liquid <5% solids)	A32	$135/55 gallon drum

Site #2 Rosendale, NY

20x55 gal	Non-Hazardous Soil (100% soild)	CNO	$135/55 gallon drum
10x55 gal	Non-Hazardous Water (100% liquid <5% solids)	A32	$135/55 gallon drum

Site #3 Vestal, NY

20x55 gal	Non-Hazardous Soil/Water (liquid/soild mixture)	CNOS	$155/55 gallon drum
10x55 gal	Non-Hazardous Water (100% liquid, <5% solids)	A32	$135/55 gallon drum

Transportation

$35/drum with a $350 minimum per site pick-up

One hour free loading, demurrage will be charged at $90/hour thereafter. All of our trucks are equipped with liftgates but drivers need free and easy access to each site.

An authorized person must be on site to meet our truck and sign the shipping paperwork.

Thank you for the opportunity. We look forward to working with you.

Kim

Kim Stamberger
Clean Harbors Environmental Services
6057 Corporate Circle
East Syracuse, NY 13057
315.463.9901 / office
315.463.9624 / fax
315.529.5787 / mobile
stamberger.kim@cleanharbors.com

upon, this information by persons or entities other than the intended recipient is prohibited. If you received this in error, please contact Clean Harbors Environmental Services at 781.792.5555 and delete the material from any computer.

Geophysical Contractor

EA Engineering, Science,
and Technology

6712 Brooklawn Parkway, Suite 104
Syracuse, New York 13211-2158
Telephone: 315-431-4610
Fax: 315-431-4280
www.eaest.com

15 May 2008

MEMORANDUM

FROM: Judy Graham, Project Manager **LOCATION:** EA Science and Technology

SUBJECT: Procurement Record for Sole Source Vendor Aestus, LLC
Brenner Road Site 14368.26

The following discussion provides information regarding the procurement record for the sole source vendor Aestus, LLC. This vendor will be providing service for the Brenner Road site. An attachment with additional information from Hager-Richter Geoscience is provided.

Unique nature of the requirement

Per Work Assignment #4438-26 NYSDEC requested that geophysical methods be used to attempt to delineate a groundwater plume of chlorinated solvents and Freon. NYSDEC recommended contacting Aestus, LLC to obtain a bid. Hager-Richter Geoscience located in Fords, NJ, was also contacted to submit a bid but declined because they believe traditional resistivity or seismic methods are not suitable for detecting chlorinated solvent plumes in groundwater (see attached email). Hager-Richter does not have access to proprietary software or tools used in GeoTrax Survey™.

Determination that the vendor is the only known contractor able to meet this need

Aestus, LLC is the sole provider of GeoTrax Survey™ technologies and imaging software. Although many geophysical companies can provide traditional resistivity surveys, Aestus, LLC is the sole provider of GeoTrax Survey™ imaging tools and software which enables geophysicists to delineate non-aqueous phase and dissolved phase plumes through rapid data acquisition and high resolution subsurface images. GeoTrax Survey™ system uses proprietary software developed by the University of Oklahoma and Aestus LLC to delineate non-aqueous phase and dissolved compounds in groundwater which is not recommended using traditional resistivity survey technologies.

Reasonableness of costs

Since field techniques are somewhat similar between traditional resistivity surveys and the proposed Aestus methods, available field rates were compared. However, since traditional methods cannot provide the required data, data evaluation, equipment costs, mapping and reporting were not compared. Labor costs to complete the field work portion of the GeoTrax Survey™ are slightly higher compared to traditional resistivity surveys.

Average day rates provided by Hager-Richter were approximately $3,450 per day (see attached email). Average day rates provided by Aestus, LLC were $4,900 per day; however the rates

include some costs to ship equipment from their central office located in Colorado. Equipment costs are comparable.

A comparison of costs to complete the GeoTrax Survey™ technologies and traditional investigation methods using drilling rigs to install soil borings at the Brenner Road site was developed. A drilling estimate including an additional 24 borings (4 borings per line of proposed geophysical survey) using Aztech Technologies unit rates was developed. Estimated costs to complete the drilling program, including 24 additional borings, were $62,327. The additional cost estimated to install 24 soil borings was approximately $27,300. Aestus, LLC's proposal to complete the survey and prepare maps and reports was $21,480.

Overall costs to complete the GeoTrax Survey™ are reasonable based on comparison of similar technologies and traditional drilling methods and engineering judgment.

Drilling Bid Unit Price Table in Lieu of Geophysical Survey
Site Characterization Work Plan
NYSDEC Brenner Road Site -Congers, New York

Item	Quantity	Unit	Unit Cost	Subtotal Cost
Mobilization/demobilization	1	lump sum	$2,578.00	$2,578.00
Drill rig and crew to install 6 monitoring wells	21	day	$1,310.00	$27,510.00
2-inch PVC schedule 40 well screen (#10 slot)	60	lf	$5.24	$314.40
2-inch PVC schedule 40 casing	120	lf	$4.25	$510.00
sand	20	cf	$12.40	$248.00
bentonite	2	cf	$91.00	$182.00
bentonite grout	26	cf	$38.50	$1,001.00
flush mounted covers and concrete collars	6	each	$89.00	$534.00
split spoon samples	60	each	NC for Day rate	$0.00
NX rock coring	420	lf	$50.00	$21,000.00
drums	18	each	$48.50	$873.00
steam generator	21	day	$95.00	$1,995.00
decon pad	1	each	$420.00	$420.00
Worker PPE - level D	21	day	NC	$0.00
Per Diem - Crew	18	night	$254.00	$4,572.00
Soil Boring Log Completeion	4	hr	$60.00	$240.00
Rockland County Resource Evaluation Well Permit Fee	1	Ls	$250.00	$250.00
Rockland County Resource Evaluation Well Permit Application Com	1	Ls	$100.00	$100.00
			Total	***$62,327.40***

Based on Aztech Technologies Quote
5 McCrea Hill Road
Ballston Spa, NY 12020
(518) 885-5383
Contact: Matt Darcangelo

Graham, Judith

From: Jose Carlos [JoseCarlos@hager-richter.com]
Sent: Tuesday, May 13, 2008 2:59 PM
To: Graham, Judith
Subject: RE: Request for information and pricing on resistivity surveys

Hi Judy,

I remember the conversation we had in the past. We normally charge day rates to perform resistivity surveys, approximately $3450/day. Small areas can be surveyed in one day. The mobilization cost obviously depends on the proximity of the site to our offices. I believe that the system used by Aestus LLC is the same commercial system used by H-R. It is a resistivity/IP equipment manufactured by AGI (we own a supersting R8/IP 8 channel system) so the technology is broadly accepted in the geophysical community. However, we still do not recommend this method to delineate solvent contamination plumes because the resistivity contrast between the solvent and surrounding soils is usually too faint to discern. Only in cases where the concentration of solvent in the soil is extremely high can we detect a resistivity contrast with this equipment. The technology can be used to detect sand layers where the product can migrate, but not the solvent itself.

Thank you for contacting Hager - Richter Geoscience and if you have any further questions please don't hesitate to ask.

José Carlos Cambero Calzada
Senior Geophysicist
Hager Richter Geoscience, Inc.
846 Main Street
Fords, NJ 08863
www.hager-richter.com
Phone: 732 661 0555
Fax: 732 661 0123

From: Graham, Judith [mailto:jgraham@eaest.com]
Sent: Tuesday, May 13, 2008 2:19 PM
To: Jose Carlos
Subject: RE: Request for information and pricing on resistivity surveys

Hi Jose,

I contacted you in March regarding resistivity surveys and delineating solvent plumes (see email trail below). The NYSDEC asked us to do a comparison of geophysical companies to determine reasonableness of costs for the quote we received to complete a resistivity survey for solvent plume delineation (Aestus, LLC, using Geotrax Survey technologies).

Would you have any pricing from traditional resistivity projects you have completed of similar size available so I can compare costs? Or do you have unit based pricing that I could use to try and compare costs for field work, data evaluation and mapping?

Your help would be appreciated.

Thanks,
Judy Graham

From: Graham, Judith
Sent: Wednesday, March 05, 2008 10:33 AM
To: 'Jose Carlos'
Subject: RE: Request for information and pricing on resistivity surveys

Hi Jose,

Thank you for the information. I will talk with the NYSDEC project manager about the resistivity survey. It may be possible I misunderstood the intended use. On one site they completed a bedrock fracture trace analysis; it is possible they wanted more resolution for the bedrock structures. But I understand by your response below that seismic refraction may be the best technology for that. I may just call you again to discuss other options should the DEC require.

Thanks again for your help!

Judy

From: Jose Carlos [mailto:JoseCarlos@hager-richter.com]
Sent: Wednesday, March 05, 2008 10:11 AM
To: Graham, Judith
Cc: Jeff Reid
Subject: RE: Request for information and pricing on resistivity surveys

Judy,

As I mentioned to you over the phone, and after conferring with my colleagues, we would not recommend a resistivity survey to detect a chlorinated solvent contamination plume. Such a compound doesn't have electrical properties that contrast sufficiently with the surrounding soils to be detected. We have performed similar surveys in the past. We have used seismic refraction to determine the depth of bedrock. Possible "channels" in the bedrock are more probable locations for contamination plumes. In order to conduct both resistivity and seismic surveys, the length of the profiles must be 4-6 times the required investigation depth. We cannot reach the required investigation depth in areas as small as 20 linear feet.

Call me if you have more questions.

José Carlos Cambero Calzada
Senior Geophysicist
Hager Richter Geoscience, Inc.
846 Main Street
Fords, NJ 08863
www.hager-richter.com
Phone: 732 661 0555
Fax: 732 661 0123

From: Graham, Judith [mailto:jgraham@eaest.com]
Sent: Tuesday, March 04, 2008 2:54 PM
To: Jose Carlos
Subject: Request for information and pricing on resistivity surveys

Hi Jose,

Thanks for taking my call just now. A brief summary of the projects is listed below. As I said, the DEC is requesting the resistivity survey. Any additional information about the technology you can provide or suggestions for a better suited technology for chlorinated solvent plume delineation would be appreciated. Thanks!

Judy Graham

The NYSDEC is requesting that a resistivity survey be completed at two sites impacted with chlorinated compounds in New York. EA is a Standby contractor for the NYSDEC and is the designated project manager on these sites.

Some details of the sites and investigations are listed below:

Brenner Road, Congers, NY
Study area located in a commercial and industrial park approximately 16 acres.
Widespread chlorinated compounds detected in groundwater on site and down gradient – the source is unknown
Groundwater is in unconsolidated (20-30 feet thick) and bedrock – appear to be hydraulically connected
ER survey requested to help delineate potential source area as supplement to continuing soil and groundwater investigation

Route 213, Rosendale, NY
Former drycleaner located in a commercial and residential area
Site area is approximately 0.6 acres
ER survey area significantly smaller (100 by 20 feet)
Down gradient groundwater impacted by chlorinated compounds
Groundwater at approximately 6 feet below the surface in unconsolidated
ER survey used to help delineate plume along with soil and groundwater investigation

Please let me know if you need additional information for pricing. I will follow up with a phone call this week.

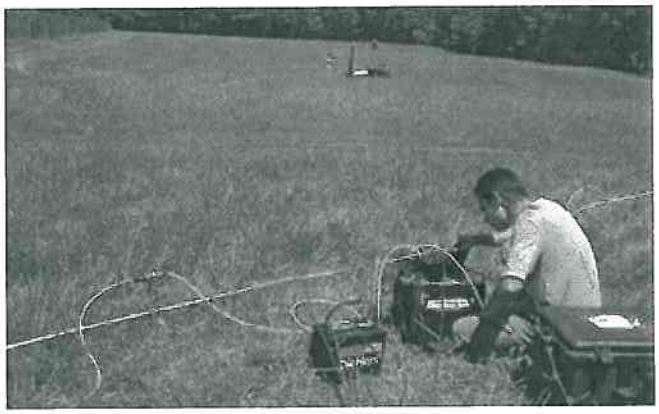
Thanks for your help,
Judy Graham

Judith A. Graham
EA Engineering, Science & Technology
Project Manager/Geologist
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211

Phone: (315) 431-4610
Fax: (315) 431-4280
Cell: (315) 345-9336

HAGER-RICHTER GEOSCIENCE, INC.

8 Industrial Way D-10 | Salem, New Han
846 Main Street | Fords, New Jerse



Boone County, KY: Resistivity survey for new tunnel construction project.

Exceptional integrity, technology and comm

Electrical Resistivity

The resistivity method measures the apparent resist of any or all of the following: soil type, bedrock frac Variations in electrical resistivity may indicate chan contaminant levels. The resistivity method is useful vertical changes in subsurface electrical properties. delineate 3-dimensional bodies with anomalous elec client's need, Hager-Richter uses traditional Vertical profiling methods as well as state of the art 2-D ima results for any situation. The use of rapid, automate create 2-D "tomograms" has increased the flexibility and geotechnical applications.

Since no two projects are alike, the depth and diver advantages for our clients.

Electrical resistivity surveys have certain limitations highly industrialized and/or urbanized areas where fences and power lines may interfere with the colle depth, size and of course, resistivity contrast may p

We can provide you with an accurate assessment of

Resistivity Case Study: Construct Bedrock Topography/Fracture Maps for DNAPL Contamination

Problem
DNAPL contamination at a large industrial complex had the potential for migrating off site in an area of karst terrain. Hager-Richter was hired to perform seismic refraction and electrical resistivity surveys to determine the depth to bedrock and detect openings in the bedrock, such as karst solution channels and former mine workings.

Solution
In order to provide our client with the best possible information, we collaborated with the Earth Resources Laboratory of the Massachusetts Institute of Technology (MIT) to obtain 2-D apparent resistivity images along profiles. MIT's proprietary Resistivity Array Imaging (RAI) and concomitant inversion code were employed to yield highly detailed resistivity data. Several new voids were discovered and a bedrock topography map was constructed.

General Applications

- Environmental audits and site assessment
- Water resource management
- Groundwater resource studies: mapping and plume delineation
- Public/Private remedial investigations and

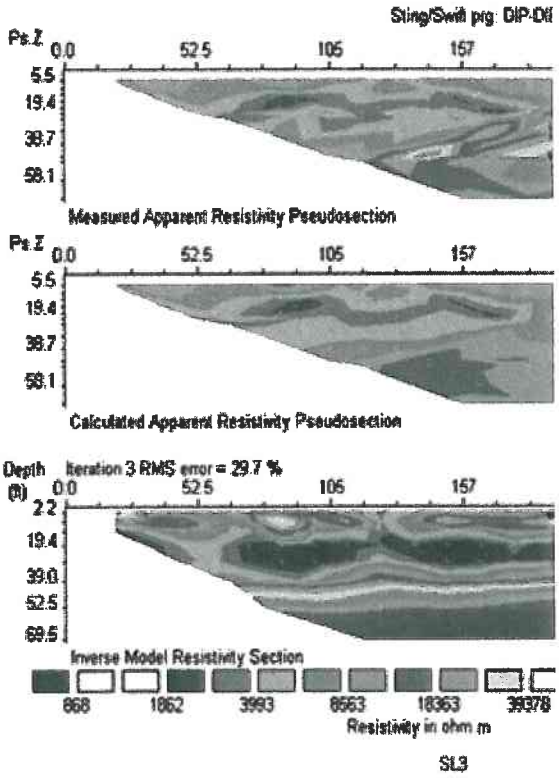
feasibility studies

- Landfill closures geological mapping

Specific Applications

- Determine electricalcharacteristics of surrounding area
- Determine depth of water table
- Locate and define contaminant plumes
- Determine extent of saltwater intrusion
- Locate fractures and faults
- Identify areas of potentially unstable ground, e.g. mine shafts, voids
- Assist in dam stability analysis
- Determine overburden depth
- Locate buried mafic dikes
- Corrosion control design
- Determine lithology/structure

whether or not the use of the resistivity method is a



Aestus, LLC
2605 Dotsero Court
Loveland, CO 80538
970.278.4090
Fax: 970.667.1989

April 9, 2008

Ms. Judy Graham
Project Manager
EA Engineering
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211

8-110-00

Proposal
Aestus' GeoTrax Survey™ Work
Brenner Road Industrial Park Site
Congers/Clarkstown, New York

Dear Judy,

As requested, this letter provides Aestus LLC's (Aestus') proposal to EA Engineering (EAE) for conducting our proprietary high resolution electrical resistivity imaging (GeoTrax Surveys™) at the subject site located at in Congers/Clarkstown, NY (Brenner Road Site). The project objective of this investigation program is to assist EAE in identifying extent of the chlorinated solvents on site, as well as to identify bedrock joints or fractures that may transmit dissolved phase DNAPL.

GeoTrax Survey™ Technology Overview:

Aestus' GeoTrax Survey™ uses non-intrusive electrical resistivity tomography technology to scan the subsurface for a variety of anomalies. Our imaging technology has been demonstrated to be an effective tool relative to detecting potential subsurface anomalies, including those associated with dense and light non-aqueous phase liquids (DNAPLs/LNAPLs) and related dissolved phase contamination. Additionally, this technology has been successfully used for a number of other applications including mapping geology, locating other subsurface environmental impacts, leaking pipelines, buried tanks, landfill and burial pit boundaries, and presence or absence of contaminant transport channels/preferential migration pathways.

Our GeoTrax Survey™ technology is based on conventional electrical resistivity imaging (ERI) techniques. However, we have 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 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.

Because Aestus' GeoTrax Survey™ tool does not immediately identify the composition of anomalies detected, it is important for Aestus to work in concert with EAE to calibrate our images to existing site data including but not limited to boring logs, analytical sample data, and fluid level measurements. Once calibrated to the subject site, the GeoTrax Survey™ images are a very powerful tool to accurately predict locations and often times relative concentrations of contamination in subsurface soils. In cases when our images show subsurface features/anomalies that are not part of the existing site conceptual model, additional confirmation boring data may be required to correctly redefine the site conceptual model. Additional confirmation borings, should they be required, are limited in number because the GeoTrax Survey™ images provide specific drilling targets and therefore facilitate a very focused confirmation drilling program.

Brenner Road Site Understanding:

We have based our understanding of the project site and issues on the following information provided to Aestus by EAE:

- ✓ Overall description of site and project objectives during conference calls and email correspondence between Aestus and EAE.

Based on our discussions with EAE and review of the information provided, Aestus understands the following:

- ✓ The site is an industrial area with impacts from DNAPL (chlorinated solvents) and LNAPL
- ✓ There are several fractures in the vicinity of the site that may be transmitting contaminants to the residential area south of the industrial area. The predominant fracture orientation is North-South
- ✓ The depth of interest for investigation includes the unconsolidated material on top of the bedrock (20 – 30 ft BGS) and potential fractures in the bedrock (30 ft plus BGS)
- ✓ The groundwater table ranges from approximately 10 to 20 ft BGS and groundwater gradient is believed to trend from east to west.

Scope of Work:

Aestus' scope of work for this project would be to conduct the GeoTrax Survey™ field work and follow up reporting as outlined below.

1. Mobilize personnel and equipment to the Brenner Road Site from Aestus' Troy, New York office
2. Orient Aestus field team to Brenner Road Site
3. Conduct data acquisition via GeoTrax Survey™ work at the locations shown on Figure 1. Survey line lengths and image depths for each survey line are shown on Figure 1.
4. Review data collected
5. Locate survey lines via nearby wells or other benchmarks using our total station land surveying equipment (no formal professional-grade land surveying included in Aestus' cost estimate)
6. Demobilize personnel and equipment from Brenner Road Site
7. Perform in depth proprietary data reduction and QC checks
8. Prepare preliminary draft figures and submit to EAE for review. Conduct web conference call with EAE personnel to discuss preliminary draft figures and interpretations.
9. Prepare a draft letter report that includes the following elements at a minimum:
   - √ Identify surveys conducted and survey locations
   - √ Summary of data collection, data reduction, and data interpretation processes
   - √ 2-D GeoTrax Survey™ images with nearby (within ~ 15 feet of survey line) available site data (e.g., monitoring well data, etc.) posted onto the image; locations of nearby site features (e.g., buildings, etc.) will also be posted onto image
   - √ 3-D perspective views of combined 2-D survey images
   - √ Select site photos of each survey line
   - √ Copies of Aestus' GeoTrax Survey™ field notes
   - √ Reference table(s) – Distance along survey line of each electrode relative to Electrode No. 1
   - √ Summary of Aestus' data interpretation based on GeoTrax Survey™ data (detected anomalies, etc.) and available calibration data such as existing soil boring and/or monitoring well data)
   - √ Recommendations (as appropriate/if required) for follow up confirmation boring/monitoring well locations to complete calibration of GeoTrax Survey™ data to the Brenner Road Site
   - √ Aestus anticipates one draft letter report (via email in .pdf format and up to 4 hardcopies (3-ring bound) via regular U.S. Mail) including subsurface images and interpretation

10. Following receipt of one comprehensive set of comments from EAE, incorporate comments as appropriate into Final Report and submit to EAE (includes .pdf via email and replacement pages for 3-ring bound draft report sent previously). Aestus can also provide our clients with expanded reporting formats and presentation-type materials if requested. Should EAE request these additional report formats, Aestus will provide a price estimate prior to preparing these materials.

Project Schedule:

Aestus anticipates requiring two 10-12 hour field survey days and one 10-12 hour overnight shift to complete our work due to the following site-specific factors:

- ✓ Some of the survey areas are covered with asphalt and drilling will be required to set our electrode stakes which increases the amount of set up time for our surveys.
- ✓ It appears that most of the lines will need traffic control to protect field personnel and our sensitive and expensive equipment. In some cases, lines crossing different properties may need traffic control in several places. Setting up and maintaining traffic control adds to the time needed to complete the surveys.
- ✓ Some of the areas to be surveyed cross roads which will require use of cable ramps to protect our sensitive cables.
- ✓ Depending on the amount of traffic and business hours of businesses in the survey area, we anticipate performing 3 survey lines overnight.
- ✓ Aestus will use our highest resolution survey data collection protocols for imaging fractured bedrock.

The field work phase of this project is currently anticipated to be conducted within the next 3 months.

Aestus will plan on two weeks after the field work is complete and requested site data has been received from EAE, for data reduction and to submit draft preliminary figures. Aestus will plan on four to six weeks, following receipt of requested site data from EAE, for senior level review and to prepare and submit the draft report. The final report will be submitted approximately one week after receipt of comments from EAE on the draft report.

Project Price:

Aestus will perform the above outlined scope of work for line-item costs shown in Table 1. Table 1 shows the breakdown of costs versus work elements and provides total estimated price for this work. Aestus has included a standby rate for time that cannot be worked due to circumstances outside our direct control excluding weather delays.

Should additional nighttime work be requested or required due to site access constraints, Aestus would apply the unit rates shown in Table 1 for overnight work.

Table 2 contains a scope of work summary and budget analysis which provides a comparison highlighting the economic advantage of using Aestus GeoTrax Survey™ technology versus solely using conventional soil borings and/or monitoring wells.

Opportunity for Cost Savings:

Aestus is providing EAE with a separate proposal for its Rosendale Cleaners Site in Rosendale, NY. If EAE contracts Aestus to do both the Rosendale Cleaners Site and the Brenner Road Site during the same week, then Aestus will waive the mobilization and demobilization charges for the Rosendale Cleaners Site to provide a cost savings to EAE and the NYDEC.

Assumptions and Clarifications:

Relative to our cost estimate and schedule and ability to achieve the desired results, Aestus assumes the following:

1. EAE and its client are responsible for obtaining property access agreements to allow Aestus to work in the proposed areas, prior to Aestus' mobilization to the site. Should the lack of proper access agreements cause a delay in Aestus' work at the site, standby charges will apply as outlined in Table 1.
2. Unlimited access to the subject property. EAE and their client are advised that there will be site access points that will be closed for periods of time (approximately 3-5 hours per survey location) throughout the day. Accordingly, coordination with any site personnel, neighborhood residents, and/or local businesses and/or government offices will be EAE's responsibility
3. EAE is responsible for obtaining all necessary permits and utility clearances prior to Aestus' arrival on-site. Utility clearances must be fully valid by the time Aestus arrives on site for the first day of work. EAE shall list Aestus, LLC as a subcontractor/subconsultant on the utility locate ticket.
4. Aestus assumes that EAE will also locate (to the extent possible/practical) any facility utilities (non-municipal such as product lines to pump islands) that are located in the areas to be surveyed so that we minimize the potential for contacting facility utilities with our electrode stakes, and so that in the event anomalies are present in our images coincident with utility locations, we can correctly interpret the survey images relative to this issue.
5. EAE is responsible for coordination with local property owners to move any equipment, cars, building material, etc. from the foundation of the suspected dry cleaner building foundation such that Aestus can install a straight survey line through theses areas
6. Aestus will be responsible for providing traffic control barricades, etc. to prevent vehicle traffic from crossing our sensitive survey cables.

7. Modified Level D PPE will be sufficient for this project including steel toe boots, safety glasses, and work gloves. Hard hats are not anticipated to be required and Aestus personnel normally wear wide-brimmed hats for sun protection.
8. Terrain, topography and vegetation are conducive to conducting this type of survey; Aestus assumes that we will be able to access survey locations with a pick-up truck as we typically drive along the survey lines to spool out and reel up our cables.
9. If necessary, clearing and grubbing vegetation will be performed by EAE prior to Aestus' mobilization to the Brenner Road Site.
10. Locations of surveys are subject to field verification upon arrival on-site.
11. Because Aestus' work is essentially non-intrusive, OSHA 40-hour certified personnel are assumed not to be required at the Brenner Road Site.
12. Aestus assumes that pre-drilling (for our electrode stakes) through asphalt and/or concrete (no greater than 6-inches thick) will be required in most survey areas.
13. Access is available throughout the day for this work (at least 12-hours per day on-site); access is also available for night-time work if required.
14. Holes made by the electrode stakes (~1/2-inch diameter) in paved areas will be patched with asphalt or concrete patch (in caulk tubes) as appropriate; holes in other areas (e.g., grass or gravel) will not be patched. EAE and its client are advised that patched areas are sometimes visible following patching work. EAE is responsible for advising (in advance of Aestus' work) its client and/or site owners/managers that ½-inch diameter patches will remain in pavement following Aestus' work at the site. Examples of our patching process are provided as Attachment C. Aestus is not responsible for any follow up patching or pavement refinishing work beyond our standard patching protocol as described in Attachment C.
15. If possible and prior to or at the conclusion of Aestus' field work, EAE will provide Aestus with a to-scale electronic site plan view drawing of site (in AutoCAD 2000 format if available) for use as base map in Aestus' report. Aestus assumes that well locations and other features used to reference the locations of our survey lines have been land surveyed and are accurate on the base map provided.
16. If possible and prior to or at the conclusion of Aestus' field work, EAE will also provide Aestus with well boring log and construction data for site monitoring wells/soil borings such that these data may be posted to Aestus' survey images.
17. If possible, EAE will provide Aestus with a map of on-site (non municipal) utilities preferably as a layer on the AutoCAD base map for the Brenner Road Site. These data are useful in the event these utilities show up in our survey images because we can more easily determine which anomalies correspond to buried utilities using this type of information.
18. Interpretations presented by Aestus will be based on Aestus' experience and best professional judgment. Aestus assumes that sufficient site

characterization data will be made available to us to facilitate best interpretation of site survey results.

19. EAE and the NYDEC are advised that past experience on other of Aestus' project sites has demonstrated that NAPL contamination can present as either relatively more electrically resistive and/or more conductive (less resistive) than surrounding uncontaminated geology. Aestus believes that the more conductive anomalies that are representative of NAPL contamination are caused by higher degrees of weathering or natural bioactivity which creates a shift in chemistry and related electrical properties of subsurface materials. This phenomenon is discussed in technical literature that Aestus will provide upon request.
20. Aestus standard insurance will be sufficient (our standard insurance coverages are provided as Attachment A to this letter)
21. Mutually agreeable contract terms are developed between EAE and Aestus and this entire proposal letter will be incorporated by reference into the contract and/or serve as the contract document
22. Project related litigation support (Fact or Expert Witness preparation and testimony) will be billed at 3 times standard rates
23. Per diem rates used in cost estimate are from IRS 2008 Guidance for the site locale but not less than $35/ day
24. Aestus requires a signed contract to be in place at least two weeks in advance of the desired mobilization date such that we can adequately prepare for and schedule this project.
25. Payment terms are receipt of payment by Aestus on a net 60 day basis relative to Aestus' invoice date, or as otherwise negotiated in a contract with EAE. Aestus will submit monthly invoices for progress payments for percent complete on each task shown in Table 1 of this proposal.
26. EAE agrees to pay finance charges of 1.5 % per month on Aestus invoice amounts that are past due.
27. EAE will provide necessary permits and/or professional review and stamps (e.g. P.G, P.E.) if necessary as required by the State of New York.
28. Aestus work will be overseen by an on-staff geophysicist
29. This proposal is valid for 90 calendar days

Closing Remarks:

We appreciate EAE's interest in Aestus' GeoTrax Survey™ technology and the opportunity to propose on this work. We look forward to working with EAE 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 the Brenner Road Site. Aestus personnel have extensive experience in characterizing sites with subsurface impacts.

We are available to discuss this proposal and/or our GeoTrax Survey™ technology at your convenience. If you have questions regarding this proposal and/or Aestus' technologies, please call me at 1.800.GEO.TRAX or 970.278.4090.

Assuming this proposal is acceptable to EAE, please sign the attached signature page that executes a contract between Aestus and EAE for this work. Alternatively, please provide an EAE contract document to Aestus for review and signature.

Very Truly Yours,

Aestus, LLC

SENT TO EAE VIA EMAIL ON 04-09-08

Stuart W. McDonald, P.E.
President

Enclosures

cc: Dr. Todd Halihan, Aestus, LLC (Stillwater, OK)
Marcy Stonecipher, Aestus, LLC (Loveland, CO)
Reed Terry, Aestus, LLC (Troy, New York)

Proposal Accepted By: ***(please provide signature, printed name, title, and date)***

_____

_____

for: EA Engineering

Acknowledged By Aestus, LLC by Stuart W. McDonald, President

_____

for: Aestus, LLC

TABLES

TABLE 1
PRICING FOR AESTUS, LLC GEOTRAX SURVEY™ SERVICES
Brenner Road Industrial Park Site
Congers/Clarkstown, New York
Prepared for: EA Engineering/NYDEC

BUDGET ESTIMATE

Task No.	Task Description	Unit	Unit Price	Estimated Quantity	GeoTrax SurveysTM Extended Price
1.0	**Project Set-Up and Mobilization (from Aestus-Troy, NY Office)** Project Set-up including travel/shipping arrangements, contract, logistics with client Mobilize Aestus Personnel to Site Prepare Aestus equipment for shipment to Site from Aestus' office Transport equipment to Site ~~Ship specialized cable ramps for use on project~~	Lump Sum (per occurrence)	$ 1,425.00	1	$ 1,425.00
2.0	**GeoTrax SurveyTM Field Work (DAY-TIME Data Acquisition)** Site Reconaissance Upon Arrival Establish Traffic Control if/as Necessary Around Survey Locations Review Locations of Site Utilities Field Locate Survey Lines Layout survey lines Perform Data Acquisition Take Digital Photos of Survey Lines (select photos included with report) Record Field Notes; Sketch and Notes Documenting Various Site Features Located Near Survey Lines Perform Topo Correction Approximation Using Land Surveying Techniques Review Data Collected in Field for Data Quality Abbreviated Data Processing to View DRAFT Survey Images in Field Patch Electrode Stake Holes in Pavement as Necessary	Daily Rate (per field survey day)[1]	$ 4,900.00	2	$ 9,800.00
3.0	**GeoTrax SurveyTM Field Work (NIGHT-TIME Data Acquisition)** Site Reconaissance Upon Arrival Establish Traffic Control if/as Necessary Around Survey Locations Review Locations of Site Utilities Field Locate Survey Lines Layout survey lines Perform Data Acquisition Take Digital Photos of Survey Lines (select photos included with report) Record Field Notes; Sketch and Notes Documenting Various Site Features Located Near Survey Lines Perform Topo Correction Approximation Using Land Surveying Techniques Review Data Collected in Field for Data Quality Abbreviated Data Processing to View DRAFT Survey Images in Field Patch Electrode Stake Holes in Pavement as Necessary	Daily Rate (per field survey day)[1]	$ 5,635.00	0.5	$ 2,817.50
4.0	**Demobilization (to Aestus-Albany, NY Office)** Prepare Aestus equipment for trip back to Aestus office Clean and pack equipment Dispose of trash related to Aestus' site activities Transport equipment from Site to Aestus' office Demobilize Aestus Personnel from Site	Lump Sum (per occurrence)	$ 1,125.00	1	$ 1,125.00
5.0	**Aestus Proprietary Data Reduction** Full Data Processing Including QC checks Perform Topographic Corrections to Data Sets (if Site is not flat topographically) Normalize Color Scheme Used For All Site Surveys/Images Adjust Color Scheme as Necessary Based on Site Correlating/Confirmation Data	Daily Rate (per field survey day)[1]	$ 675.00	2.5	$ 1,687.50

TABLE 1
PRICING FOR AESTUS, LLC GEOTRAX SURVEY™ SERVICES
Brenner Road Industrial Park Site
Congers/Clarkstown, New York
Prepared for: EA Engineering/NYDEC

BUDGET ESTIMATE					
Task No.	Task Description	Unit	Unit Price	Estimated Quantity	GeoTrax SurveysTM Extended Price
6.0	**Submit Draft and Final Reports w/ 3-D Visualization of Survey Images** Update Site Base Map with Actual GeoTrax SurveyTM Locations Post draft images and site photos to Aestus' Report Template Post Availble Site Characterization/Confirmation Drilling Data to Images; Includes: Monitoring Well/Soil Boring Locations Monitoring Well Screened Intervals Soil Sample Analytical Data Groundwater Quality Sample Analytical Data Develop Electrode Spacing Charts for Field Location of Anomalies Generate 3-D Perspective Views of 2-D GeoTrax SurveyTM Data Images using 3-D Visualization software Output select 3-D views for report figures Submit DRAFT Report to Client with Aestus' Interpretations and Conclusions Based on Data Following Web Conference Call (Task 7.0); address and Incorporate Client Comments Into FINAL Report Address follow up questions from Aestus' Client	Daily Rate (per field survey day)[1]	$ 1,350.00	2.5	$ 3,375.00
7.0	**Web Conference to Review Data and Develop Collective Data Interpretation** Review Preliminary Draft Survey Images, Review DRAFT Report, Field other questions	Lump Sum (per occurrence)	$250	2	$ 500.00
8.0	**Submit Final Report w/ Client Input and Comments Incorporated** Following Web Conference Call (Task 7.0); address and Incorporate Client Comments Into FINAL Report Address follow up questions from Aestus' Client	Daily Rate (per field survey day)[1]	$ 300.00	2.5	$ 750.00
			Total Price for GeoTrax SurveyTM Work		**$ 21,480.00**

NOTES, ASSUMPTIONS & CLARIFICATIONS

1. See Aestus' Proposal letter text for other relevant assumptions/clarifications
2. Assumed production is approximately 3 surveys per Field Day on average; need traffic control and predrilling electrode holes in most locations
3. Assumes Aestus' highest resolution data collection is required for this site.
4. Assume Aestus' client is responsible for having valid utility spots prior to start of Aestus' work
5. Assume Aestus is responsible for providing adequate traffic control
6. Use of traffic ramps over cables is included in this cost estimate currently; traffic ramps sometimes used for limited traffic access across survey lines
7. Delays for conditions outside Aestus control (e.g., access problems) excluding weather at $350 per hour/$2,000 per day maximum

TABLE 2
BUDGET ANALYSIS - AESTUS, LLC GEOTRAX SURVEY™ SERVICES
Brenner Road Industrial Park Site
Congers/Clarkstown, New York
Prepared for: EA Engineering/NYDEC

SCOPE OF WORK SUMMARY & BUDGET ANALYSIS			
Total Number of Surveys Anticipated			7
Total Number of Field Days Anticipated			2.5
Budgeted Cost of Surveys, Data Reduction, Reports Only (exclusive of planning/mob/demob)		$	18,930
Average Price per Survey Day (exclusive of project prep & mob/demob) (Including data reduction and reporting)		$	7,572
Average Price per Survey (exclusive of project prep & mob/demob)		$	2,704
Factors increasing price per survey line on this project (as shown on Figure 2)	***Pavement, Slab, Gravel***		Yes
	Longer Survey Lines		No
	Traffic Control		Yes
	Overnight Survey		Yes
	Traffic Rated Cable Ramps		Yes
	Highest Resolution Survey		Yes
Is Price within normal Aestus price range given site contraints			Yes
Total length of lines surveyed (feet)			2,205
Total length of survey lines (miles)			NA
Estimated Number of Soil Borings/Wells to Provide Similar Subsurface Coverage (Assume one well every 10 feet across surveyed area)			221
Estimated Cost of Soil Borings/Wells to Provide Similar Data Coverage (Assume $3,500/well up to 40' deep; exclude mob/demob)		$	771,750
Percent of GeoTrax Survey™ Assessement Cost relative to Conventional Assessment Cost			**2.45%**

FIGURES

Legend:

Proposed GeoTrax Survey™ Locations and Designations

BRE-01

1.75 Meter Electrode Spacing
Survey Line ~ 315 feet Long
Image Depth ~ 63 feet

Overnight Survey Between 8PM and 6AM
Anticipated in Highest Traffic Areas

NOTE:

1. Final GeoTrax Survey™ alignments and lengths to be determined in field by Aestus in consultation with client; survey locations/lengths may need to be adjusted based on obstacles/restrictions at site.

N

180 Feet

Reference: Base map from Google Earth.

Aestus, LLC
1.888.GEO.TRAX
www.aestusllc.com

4177 Route 2
Troy, NY 12180

2605 Dotsero Court
Loveland, CO 80538

1624 W. University Ave.
Stillwater, OK 74074

Scale:	See Scale Bar
Drawn By:	MAS
Approved By:	SWM
Date:	04-09-08
Project No.:	8-109-00

Proposed Locations of GeoTrax Surveys™
Brenner Road Site
Congers/Clarkstown, NY

Prepared for EA Engineering, Science, and Technology

FIGURE
1

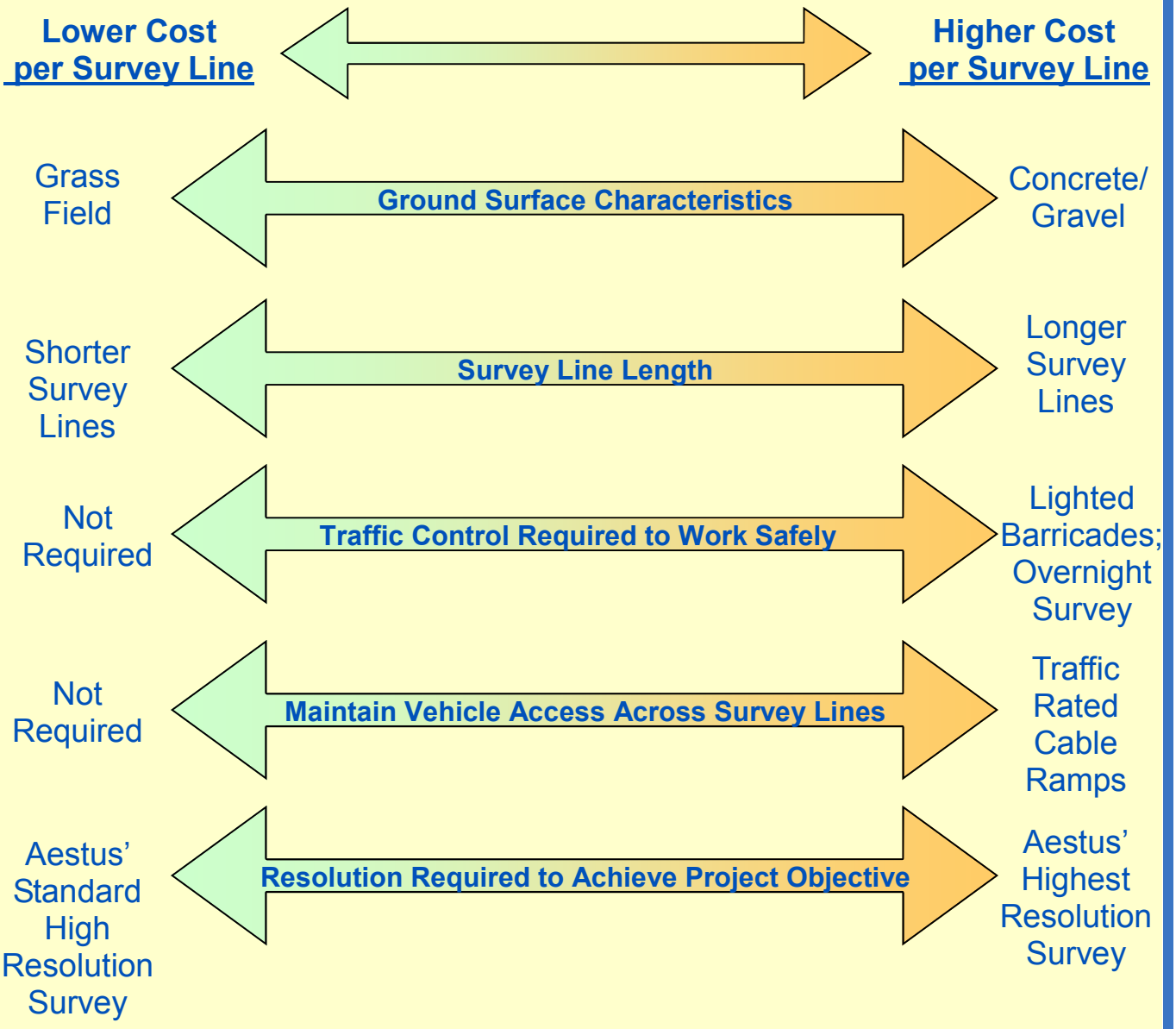
FIGURE 2

FAQ– What Factors Affect Aestus' Survey Costs

Aestus' GeoTrax Survey™ Technology

FAQ: All sites are different….what factors affect Aestus' survey costs?

ANSWER: *There are a number of factors which directly impact our productivity (i.e., ability to perform single or multiple survey lines in a given field day). The below graphic shows the relationship between the typical site variables and productivity (survey lines per day) which translates to overall project cost. Other variables/factors may apply depending on site specifics.*



Contact Us: 1.888.GEO.TRAX or 970.278.4090

www.aestusllc.com

REV: 11-20-07

ATTACHMENT A

AESTUS' STANDARD INSURANCE COVERAGES

Client#: 56730 AESLLC

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY) 03/28/08

PRODUCER
Van Gilder Insurance Corp.
700 Broadway, Suite 1000
Denver, CO 80203
303 837-8500

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

INSURED
Aestus, LLC
2605 Dotsero Ct.
Loveland, Co 80538

INSURER A: Hartford Casualty Insurance Co
INSURER B: Hartford Underwriters Insurance Co
INSURER C: Hudson Specialty Company
INSURER D:
INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY	34SBARU4154	02/01/08	02/01/09	EACH OCCURRENCE	$1,000,000
	X COMMERCIAL GENERAL LIABILITY				FIRE DAMAGE (Any one fire)	$300,000
	CLAIMS MADE X OCCUR				MED EXP (Any one person)	$10,000
					PERSONAL & ADV INJURY	$1,000,000
					GENERAL AGGREGATE	$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:				PRODUCTS - COMP/OP AGG	$2,000,000
	POLICY PRO-JECT LOC					
B	AUTOMOBILE LIABILITY	34UECIQ3366	02/01/08	02/01/09	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO				BODILY INJURY (Per person)	$
	ALL OWNED AUTOS				BODILY INJURY (Per accident)	$
	SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident)	$
	X HIRED AUTOS					
	X NON-OWNED AUTOS					
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	$
	ANY AUTO				OTHER THAN AUTO ONLY: EA ACC	$
					AGG	$
A	EXCESS LIABILITY	34SBARU4154	02/01/08	02/01/09	EACH OCCURRENCE	$1,000,000
	X OCCUR CLAIMS MADE				AGGREGATE	$1,000,000
						$
	DEDUCTIBLE					$
	X RETENTION $10,000					$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				WC STATU-TORY LIMITS OTH-ER	
					E.L. EACH ACCIDENT	$
					E.L. DISEASE - EA EMPLOYEE	$
					E.L. DISEASE - POLICY LIMIT	$
C	OTHER Professional Liab including Pollution Liab	FEC7001464 Shared Limit Claims Made	02/01/08	02/01/09	$1,000,000 Per claim $1,000,000 annl. aggr.	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

CERTIFICATE HOLDER

ADDITIONAL INSURED; INSURER LETTER: ____

For Proposal Purposes

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 0 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Steven L. Dow

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

Client#: 51660 LMCRESO

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 03/03/08

PRODUCER
WAUSAU SIGNATURE AGENCY
1431 OPUS PL SUITE 300
DOWNERS GROVE, IL 60515
630 719-0704

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Wausau Business Insurance Company	26069
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

INSURED
LMC RESOURCES INC
600 SOUTH CHERRY STREET, SUITE 1000
DENVER, CO 80246

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
		GENERAL LIABILITY				EACH OCCURRENCE	$
		COMMERCIAL GENERAL LIABILITY				DAMAGE TO RENTED PREMISES (Ea occurrence)	$
		CLAIMS MADE ☐ OCCUR ☐				MED EXP (Any one person)	$
						PERSONAL & ADV INJURY	$
						GENERAL AGGREGATE	$
		GEN'L AGGREGATE LIMIT APPLIES PER:				PRODUCTS - COMP/OP AGG	$
		POLICY ☐ PRO-JECT ☐ LOC ☐					
		AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT (Ea accident)	$
		ANY AUTO				BODILY INJURY (Per person)	$
		ALL OWNED AUTOS					
		SCHEDULED AUTOS				BODILY INJURY (Per accident)	$
		HIRED AUTOS					
		NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	$
		ANY AUTO				OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY				EACH OCCURRENCE	$
		OCCUR ☐ CLAIMS MADE ☐				AGGREGATE	$
							$
		DEDUCTIBLE					$
		RETENTION $					$
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	WCJY91444899018	03/01/08	03/01/09	WC STATU-TORY LIMITS ☐ OTH-ER ☐	
		ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				E.L. EACH ACCIDENT	$1,000,000
		If yes, describe under SPECIAL PROVISIONS below				E.L. DISEASE - EA EMPLOYEE	$1,000,000
						E.L. DISEASE - POLICY LIMIT	$1,000,000
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
COVERS ALL EMPLOYEES OF THE INSURED AS RESPECTS THE EMPLOYERS AGREEMENT (PEO) WITH Aestus

CERTIFICATE HOLDER

Aestus, LLC.
2605 Dotsero Court
Loveland, CO 80538

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Mark A Stachon

ATTACHMENT B

AESTUS' COMPLETED W-9

(for EAE' Accounts Payable Department)

Form **W-9**
(Rev. November 2005)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give form to the requester. Do not send to the IRS.

Print or type See Specific Instructions on page 2.

Name (as shown on your income tax return)
AESTUS, LLC

Business name, if different from above
AESTUS, LLC

Check appropriate box: ☐ Individual/ Sole proprietor ☐ Corporation ☐ Partnership ☒ Other ▶ LLC ☐ Exempt from backup withholding

Address (number, street, and apt. or suite no.)
2605 DOTSERO COURT

Requester's name and address (optional)

City, state, and ZIP code
LOVELAND, CO 80538

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
			–			–		

or

Employer identification number
2	0	–	4	0	1	2	0	7	9

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. person (including a U.S. resident alien).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 4.)

Sign Here Signature of U.S. person ▶ Stuart W. McDonald (PRESIDENT AESTUS, LLC) Date ▶ 5/14/07

Purpose of Form

A person who is required to file an information return with the IRS, must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

U.S. person. Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee.

In 3 above, if applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

For federal tax purposes, you are considered a person if you are:

- An individual who is a citizen or resident of the United States,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States, or
- Any estate (other than a foreign estate) or trust. See Regulations sections 301.7701-6(a) and 7(a) for additional information.

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

ATTACHMENT C

AESTUS' STANDARD PROTOCOL ASPHALT/CONCRETE PATCHING ELECTRODE STAKE HOLES

AESTUS' STANDARD PROTOCOL
ASPHALT/CONCRETE PATCHING
ELECTRODE STAKE HOLES

Electrode Stake Hole Ready for Patching

Clean out hole with wire brush

Prepare to Insert Backer Rod Material

Insert Backer Rod Material

Prepare Patch Caulk Material

Fill hole with Caulk Patch Material

Aestus, LLC

AESTUS' STANDARD PROTOCOL
ASPHALT/CONCRETE PATCHING
ELECTRODE STAKE HOLES

Prepare to Smooth Patch Material

Smooth Patch Material with Putty Knife

Completed Asphalt Patch
(Marking Paint Fades Over Time

Aestus, LLC

Drilling Subcontractor

Drilling Bid Unit Price Table
Site Characterization Work Plan
NYSDEC Brenner Road Site -Congers, New York

Item	Quantity	Unit	Unit Cost	Subtotal Cost
Mobilization/demobilization	1	lump sum	$2,578.00	$2,578.00
Drill rig and crew to install 6 monitoring wells	3	day	$1,310.00	$3,930.00
2-inch PVC schedule 40 well screen (#10 slot)	60	lf	$5.24	$314.40
2-inch PVC schedule 40 casing	120	lf	$4.25	$510.00
sand	20	cf	$12.40	$248.00
bentonite	2	cf	$91.00	$182.00
bentonite grout	26	cf	$38.50	$1,001.00
flush mounted covers and concrete collars	6	each	$89.00	$534.00
split spoon samples	60	each	NC for Day rate	$0.00
NX rock coring	60	lf	$50.00	$3,000.00
drums	12	each	$48.50	$582.00
steam generator	3	day	$95.00	$285.00
decon pad	1	each	$420.00	$420.00
Worker PPE - level D	6	day	NC	$0.00
Per Diem - Crew	2	night	$254.00	$508.00
Soil Boring Log Completeion	2	hr	$60.00	$120.00
Rockland County Resource Evaluation Well Permit Fee	1	Ls	$250.00	$250.00
Rockland County Resource Evaluation Well Permit Application Com	1	Ls	$100.00	$100.00
			Total	***$14,562.40***

Submitted by; Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020
(518) 885-5383
Contact: Matt Darcangelo

Drilling Bid Unit Price Table
Site Characterization Work Plan
NYSDEC Brenner Road Site - Congers, New York
January 17, 2008
Proposal No. P08031

Item	Quantity	Unit	Unit Cost	Subtotal Cost
Install six (6) 2-inch diameter PVC wells to approximately 30 feet below ground surface				
Mobilization/demobilization	1	lump sum	$1,200.00	$1,200.00
Drill rig and 2 man crew to install 6 monitoring wells.	3	day	$1,600.00	$4,800.00
2-inch PVC schedule 40 well screen (#10 slot)	60	lf	$8.00	$480.00
2-inch PVC schedule 40 casing	120	lf	$5.00	$600.00
Sand	20	cf	$30.00	$600.00
Bentonite	2	cf	$45.00	$90.00
Bentonite grout	26	cf	$45.00	$1,170.00
Flushmount well covers and concrete collars	6	each	$150.00	$900.00
Split spoon samples	60	each	$20.00	$1,200.00
NX rock coring	60	lf	$40.00	$2,400.00
Drums	12	each	$50.00	$600.00
Steam generator	3	day	$100.00	$300.00
Decontamination Pad	1	lump sum	$250.00	$250.00
Worker PPE - level D	6	day	$25.00	$150.00
Total				***$14,740.00***

Notes:

1. Assumes that locations are accessible with a truck mounted drill rig.
2. Assumes that any required permits will be obtained by others.

Parratt-Wolff, Inc.
P.O. Box 56, 5879 Fisher Road
East Syracuse, New York 13057
(800) 782-7260

Drilling Bid Unit Price Table
Site Characterization Work Plan
NYSDEC Brenner Road Site -Congers, New York
LAWE - revised bid

Item	Quantity	Unit	Unit Cost	Subtotal Cost
Mobilization/demobilization	1	lump sum	$2,500.00	$2,500.00
Drill rig and crew to install 6 monitoring wells	3	day	$2,000.00	$6,000.00
2-inch PVC schedule 40 well screen (#10 slot)	60	lf	$12.00	$720.00
2-inch PVC schedule 40 casing	120	lf	$12.00	$1,440.00
sand	20	cf	$30.00	$600.00
bentonite	2	cf	$90.00	$180.00
bentonite grout	26	cf	$15.00	$390.00
flush mounted covers and concrete collars	6	each	$250.00	$1,500.00
split spoon samples	60	each	$0.00	$0.00
NX rock coring	60	lf	$0.00	$0.00
drums	12	each	$60.00	$720.00
steam generator	3	day	$0.00	$0.00
decon pad	1	each	$400.00	$400.00
Worker PPE - level D	6	day	$100.00	$600.00
				$15,050.00

CHANGES:

caps $25 each x 6	150
well development	-1600
per diem	-2100
3 days for drilling	-6000
4" well casing	-2016
core boxes	-750
	-12316

Land, Air, Water Environmental Services, Inc.
32 Chichester Avenue Center Moriches, New York 11934
631 874-2112 FAX: 631 874-4547

March 5, 2008

EA ENGINEERING, P.C.
Attn: Judith A. Graham
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211

Subject: Brenner Road, Congers, NY rock drilling proposal:

Dear Ms. Graham:

The following is Land, Air, Water Environmental Services, Inc.'s (LAWES) proposal to perform pre-clearing, rock drilling and well installation services at your Brenner Road site in Congers, NY as per Subcontract No: CIDIQ06048.

The scope of work will be to mobilize a drill rig and 3-man crew to install approximately (6) wells to depths of between 10' and 30' at your Brenner Road, Congers site in Rockland County, NY utilizing 6 5/8" ID hollow stem augers and/or NQ wire-line rock coring services. Split spoon samples will be collected continuously in the overburden from grade to termination depth or refusal. (Please note that LAWES highly recommends pre-clearing the boring to 5' below grade by hand). Upon reaching termination depth in a boring a well will be installed with 10' of #10 slot Sch 40 PVC screen. The well will be gravel packed with a Morie #1 sand pack to 2' above the screen. A fine sand seal and a bentonite seal will be placed on the gravel pack and then the well will be grouted to grade with a neat cement/bentonite grout. The well will be finished with a locking J-plug, lock, and an 8" bolt down manhole.

If refusal is encountered after advancing the borings with 6 5/8" ID hollow stem auger string (as is anticipated), a 6" roller bit will be inserted into the augers and then drilled and seated into the rock. A 4" Sch 40 PVC casing will be installed to rock, grouted in place and finished at grade with an 8" bolt down manhole. On a subsequent day, an NQ wire line core barrel will be inserted into the 4" outer casing to drill through the bottom of the casing and into rock. The rock will be cored to termination depth with continuous cores removed for observation. Upon reaching termination depth in the boring (estimated at approximately 30') - the core barrel will be removed and a 2" Sch 40 PVC well will be installed. If it is the opinion of the driller and the EA ENGINEERING, P.C. geologist on site that the rock is too unstable and fractured for either an open rock well or that the hole will collapse upon removal of the core barrel; a 1¼" Sch 40 PVC monitoring well will be inserted into the core barrel to be left in place as the core barrel is removed. The well is anticipated to be screened from 20' – 30' with 2" Sch 40 PVC flush joint #10 slot screen. The well will be gravel packed from 1' below the screen to 2' above the screen with a Morie #1 gravel pack. A fine sand seal of Morie #00 sand will be installed above the gravel pack and a flexible bentonite seal will be emplaced above the sand seal. The well will be grouted from the bentonite seal to grade with a neat cement/bentonite grout. The well will be finished at grade with a locking J-plug, lock, and bolt down manhole. LAWES assumes that a working hose bib exists on site and will be available for use with the rock coring component of this project – otherwise a hydrant permit may be required for the site.
March 5, 2008

J. Graham/ EA ENGINEERING, P.C.- Brenner Road, Congers rock drilling bid:

It is anticipated that all drill cuttings will be drummed, rock cores will be preserved in core boxes and coring liquids will be run to waste at the well head. Coring liquids may be contained in a mud pan which can be vacuumed out as the rock drilling progresses if requested utilizing a Vactron unit - however this is not anticipated. All waste will be managed as directed by the consultant on site. All augers, rods, and spoons will be deconned prior to beginning the drilling services and between borings by steam liquinox wash and rinse or by steam cleaning. All waste will remain on site. Wells will be developed by pumping and surging with a submersible pump or by hand bailing depending upon well diameter and presence of non aqueous phase product.

The cost to perform the above noted scope of work is estimated as follows:

ESTIMATED DRILLING COSTS ROCK WELLS			
ITEM	**UNIT COST**	**ESTIMATED UNITS**	**ESTIMATED COST**
Mobilization	$2,500/each	1 each	$2,500
Vactron unit, box truck & operator	$1,400/day	0 days	$0
Rig & 2-man crew up to 8 hours on site	$2,000/day	6 days	$12,000
Extra laborer on site	$700/day	0 days	$0
Well development labor and equipment	$1,600/day	1 day	$1,600
Overtime, after 8 hours on site	$300/hour	0 hours	$0
2” Sch 40 PVC screen	$12/foot	60 feet	$720
2” Sch 40 PVC casing	$12/foot	120 feet	$1,440
4” Sch 40 PVC casing	$16.80/foot	120 feet	$2016
Flush mount protective well casings	$250/each	6 each	$1,500
Vented well caps (J-plugs)	$25/each	6 each	$150
Bentonite chips	$30/bag	6 bags	$180
No. 1 sand	$20/bag	30 bags	$600
No. 00 Sand – for monitoring wells	$20/bag	6 bags	$120
Grout	$20/bag	20 bags	$400
DOT 17H drums	$60/each	18 drums	$1080
Wooden core boxes*	$125/each	6 each	$750
Per diem per 2-man crew per night	$300/night	7 each	$2,100
Level D PPE	$50/man/day	14 each	$700
Temporary decon pad	$400/each	1 each	$400
		SUB TOTAL	**$28,256**
Rockland County sales tax @ 8%	$0 tax	Municipal	$0
		TOTAL ESTIMATED ROCK DRILLING COSTS:	**$28,256**

- LAWES can supply wooden core boxes at the pricing indicated above – however this is not a line item in our contract.

March 5, 2008

J. Graham/ EA ENGINEERING, P.C.- Brenner Road, Congers rock drilling bid:

ESTIMATED TIME LINE IN DAYS:

TASK	DAYS 1	2	3	4	5	6	7	8	9	10
Mobilization	X									
Sample and Install (6) 4" x 20' surface casings	X	X	X							
Rock core to 30' & install (6) 2" x 30' wells				X	X	X				
Well development							X			
Demobilization							X			

The cost to perform the preceding scope of work is estimated at $28,256. This estimate is based upon (1) mobilization, (0) days of a Vactron unit with operator, (0) days of an extra laborer on site, (6) days of a rig and 2-man crew, (1) day of well development, (0) hours overtime, (60') 2" Sch 40 #10 slot screen, (120') 2" Sch 40 PVC riser, (120') 4" Sch 40 PVC riser, (6) flush mount protective well casings, (6) vented caps, (6) bags of bentonite, (30) bags of #1 sand, (6) bags of #00 sand, (20) bags of cement/bentonite grout, (18) drums, (6) core boxes, (7) nights per diem for a two man crew, (1) decon pad, (7) days of level D PPE for two men, and not having to collect the sales tax. Please note that all times and quantities are estimated only - actual times and quantities may vary based upon site and subsurface conditions.

EA ENGINEERING, P.C. will be responsible for locating and labor and equipment access to each boring location, accepting custody of all samples from the drill master, all permits, all markouts of 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 EA ENGINEERING, P.C. LAWES will not be responsible for damage to improperly or un-marked utilities or constructions on the site), site health and safety, supplying a working hose bib and water at the subject property, all regulatory-client-owner or tenant interfacing, supplying a resale certificate, tax exemption document or paying applicable taxes, maintaining and proper closure of the wells, and management and disposal of wastes. All waste will remain on site. Please note that 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.

Terms of this project will as per Subcontract No: CIDIQ06048. Should you have any questions or comments concerning this cost and time estimate or the scope of work as understood by LAWES please feel free to call and I will be happy to be of assistance.

Sincerely yours,

Accepted by :_____

Via Email

P0 # :_____

John M. Lamprecht
V. President
JML:mm

Date :_____

Drilling Bid Unit Price Table
Site Characterization Work Plan
NYSDEC Brenner Road Site -Congers, New York

Item	Quantity	Unit	Unit Cost	Subtotal Cost
Mobilization/demobilization	1	lump sum	4000.00	4000.00 ~~$0.00~~
Drill rig and crew to install 6 monitoring wells	3	day	2000.00	6000.00 ~~$0.00~~
2-inch PVC schedule 40 well screen (#10 slot)	60	lf	15.00	900.00 ~~$0.00~~
2-inch PVC schedule 40 casing	120	lf	10.00	1200.00 ~~$0.00~~
sand	20	cf	25.00	500.00 ~~$0.00~~
bentonite	2	cf	50.00	100.00 ~~$0.00~~
bentonite grout	26	cf	20.00	520.00 ~~$0.00~~
flush mounted covers and concrete collars	6	each	150.00	900.00 ~~$0.00~~
split spoon samples	60	each	12.00	720.00 ~~$0.00~~
NX rock coring	60	lf	20.00	1200.00 ~~$0.00~~
drums	12	each	45.00	540.00 ~~$0.00~~
steam generator	3	day	50.00	150.00 ~~$0.00~~
decon pad	1	each	200.00	200.00 $0.00
Worker PPE - level D	6	day	15.00	90.00 $0.00
			Total	17020.00

NOTHNAGLE *DRILLING, INC.*
1821 Scottsville-Mumford Rd.
Scottsville, NY 14546

James M. Nothnagle
3/6/08

Appendix C

Consultant/Contractor Detailed M/WBE-EEO Utilization Plan

CONSULTANT/CONTRACTOR DETAILED M/WBE-EEO UTILIZATION PLAN
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
(THE M/WBE-EEO GOALS MUST BE PLACED ON THE ENTIRE PROJECT COST)

Consultant Name:	EA Engineering, P.C.						
Contract Type/Number:	Stand By D004438 I/D Services			Contract Award Date:			
Address:	6712 Brooklawn Parkway	City:	Syracuse	State:	New York	Zip Code:	13211-2158
Project Owner Name:	New York State Department of Environmental Conservation			Project/Grant No.:			
Address:	625 Broadway	City:	Albany	NY		Zip Code:	12233
Authorized Representative:				Title:			
Authorized Signature:							
Brenner Road Site (3-44-056) (P), EA Work Assignment D004438-26							

EEO AND M/WBE CONTRACT SUMMARY (MUNICIPAL FORCE ACCOUNT N/A)

M/WBE CONTRACT SUMMARY		%	Amount	EEO CONTRACT SUMMARY		%	No./Emp.	Wk./Hrs.
1.	Total Dollar Value of the Project	100	$116,783.00	6.	Total for all Employees	100	10	437
2.	Total Dollar Value of the Prime Contract	100	$116,783.00	7.	Total Goal for Minority Employees	10	0	43.7
3.	MBE Goal/Amount	15	$17,517.45	8.	Total Goal for Female Employees	10	4	43.7
4.	WBE Goal/Amount	5	$5,839.15	9.	EEO Combined Totals	20	4	87.4
5.	MBE/WBE Combined Totals	20	$23,356.60					

Office of Minority & Women's Business Programs Use Only

Proposed Goals		Date Approved	Date Disapproved	Initials
MBE (%)	EEO-Minorities (%)			
WBE (%)	EEO-Minorities (%)			

SECTION I - MBE INFORMATION: **In order to achieve the MBE Goals, New York State Certified MINORITY-OWNED firms are expected to participate in the following manner**

MBE Firm	Projected MBE Contract Amount and Award Date	Description of Work MBE	Contract Schedule/Start Date(s)	Contract Payment Schedule	Project Completion Date
Name: **MJ Engineering** Address: **1533 Cresccent Road** City: **Clifton Park** State/Zip Code: **NY, 12065** Telephone No.: **518 371-0799**	**$7,864.00** DATE:				
Name: Address: City: State/Zip Code: Telephone No.:	DATE:				
Name: Address: City: State/Zip Code: Telephone No.:	DATE: **TBD**				

SECTION II - WBE INFORMATION: **In order to achieve the WBE Goals, New York State Certified WOMEN-OWNED firms are expected to participate in the following manner**

WBE Firm	Projected WBE Contract Amount and Award Date	Description of Work WBE	Contract Schedule/Start Date(s)	Contract Payment Schedule	Project Completion Date
Name: **Nancy J. Potak** Address: **1797 Craftsbury Road** City: **Greensboro** State/Zip Code: **VT 05841** Telephone No.: **(603) 226-0118**	**$264.00** DATE: **TBD**	**Data Validation**			
Name: **Aztech Drilling** Address: **32 Chichester Avenue** City: **Center Moriches** State/Zip Code: **NY 11934** Telephone No.: **(631) 874-2112**	**$35,061.00** DATE: **TBD**	**Drilling**			
Name: Address: City: State/Zip Code: Telephone No.:	DATE: **TBD**				

SECTION III - EEO INFORMATION: **In order to achieve the EEO Goals, Minorities and Females are expected to be employed in the following job categories for the specified amount of work hours.**

			All Employees		Minority Employees			
Job Categories		**Total Work Hours of Contract**	**Male**	**Female**	**African-American**	**Asian**	**Native American**	**Hispanic**
Officials/ Managers	NSPE VI/V/IV	210	90	120	0	0	0	0
Professionals	NSPE VI/IV/III/II/I	258	124	134	0	0	0	0
Technicians		0	0	0	0	0	0	0
Sales Workers		0	0	0	0	0	0	0
Office/Clerical	NSPE III/II/I	20	0	20	0	0	0	0
Craftsman		0	0	0	0	0	0	0
Laborers		0	0	0	0	0	0	0
Services/ Workers		0	0	0	0	0	0	0
Totals		488	214	274	0	0	0	0