

00-00-103 (6/78)



New York State Department of Environmental Conservation

MEMORANDUM

TO:
FROM:
SUBJECT:

DATE:

~~workplan.hw.2011-08-18.~~

workplan.hw.130043H.2011-08-18.D004436-32-AECOM.pdf

New York State Department of Environmental Conservation

Division of Environmental Remediation

Bureau of Program Management, 12th Floor

625 Broadway, Albany, New York 12233-7012

Phone: (518) 402-9764 • **Fax:** (518) 402-9722

Website: www.dec.ny.gov



Joe Martens
Commissioner

August 18, 2011

100187 07

Scott Underhill, P.E.
AECOM Technical Services Northeast, Inc
40 British American Blvd
Latham, NY 12110

RE: Amendment Schedule 2.11s Approval
Contract/WA No.: D004436-32.1
Site/Spill Name: Utility Mfg/Wonder King
Site/Spill No./PIN:130043H
Work Element: Remedial Design

Dear Mr. Underhill:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) hereby approves the enclosed Schedule 2.11s for the above referenced WA Amendment in the amount of \$116,660 for a total WA amount not to exceed \$249,311. Your firm may now submit a request for reimbursement for work completed under this WA.

If you have any questions regarding the WA, please contact the Project Manager, Jeffrey Dyber, at (518) 402-9621.

Sincerely,

Eric R. Obrecht, P.E.

Chief

Contracts and Payments Section

Bureau of Program Management

Division of Environmental Remediation

Attachments

ec: J. Dyber
P. Kappeller
D. Desnoyers
R. Schick
D. Weigel
J. Harrington
G. Bobersky
W. Parish
D. Finlayson
T. Wolosen
M/WBE Unit

bec: E. Obrecht
L.Lewis



AECOM
40 British American Blvd
Latham, NY 12110
www.aecom.com

518.951.2200 tel
518.951.2300 fax

July 25, 2011

NYS Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
625 Broadway, 12th Floor
Albany, NY 12233-7012

Attn: Patricia Kappeller, Contract Manager

Dear Ms. Kappeller,

Subject: Utility Manufacturing/Wonder King, Operable Unit 2
Site No. 130043H
Work Assignment No. D004436-32.1
Remedial Design and Construction Inspection

Attached please find revised 2.11s which include costs for two rounds (2011 and 2012) of groundwater monitoring, one round of structure sampling, and labor hours to provide full oversight during the installation of the sub-slab depressurization systems (SSDS).

SCOPE OF WORK AND ASSUMPTIONS

The scope of work and assumptions described in the October 10, 2009 letter for the referenced project will be followed for the 2011 and 2012 sampling.

- **Subtask 03.02 –Well Sampling:** This task consists of groundwater sampling at nine wells (three previously existing and six recently installed). Groundwater samples will be collected by the low flow method. The samples will be analyzed for volatile organics, dissolved oxygen, sulfates, dissolved iron, nitrates, carbon dioxide, and methane by Mitkem Laboratories, Inc. Laboratory results will be validated by AECOM's standby contractor EDS. The 2011 and 2012 charges have been modified to include 3 10-hour days for sampling and 10-hours for mobilization, demobilization and documentation (To Be Determined (TBD) [PL III]). Support charges from the project manager (3 hours, Claire Hunt [PL VII]), professional engineer (3 hours, Scott Underhill [PL VI]) and administrative (5 hours, Angela TomaEisele [PL III]) were included.
- **Subtask 03.03 –Structure Sampling:** This task consists of air sampling at two structures (two structures that declined SSDS systems). Sub-slab, indoor air and outdoor air samples will be collected. The samples will be analyzed for volatile organics by Test America. Laboratory results will be validated by AECOM's standby contractor EDS. The cost for 2010 have been modified to reflect actual charges. The 2011 charges have been modified to include three 12-hour days and one 10-hour day for sampling (Celeste Foster [PL IV], TBD [PL II]) and 12 hours for mobilization, demobilization and documentation TBD [PL II]). Support charges from the project manager for access issues and site coordination (16 hours, Claire Hunt [PL VII]), engineer (2 hours, Scott Underhill [PL VI]) and administrative (5 hours, Angela TomaEisele [PL III]) were included.

- *Subtask 03.04 –SSDS Installation Oversight:* This task consists of oversight during installation of the sub-slab depressurization systems. Oversight includes 49 10-hour days for one field person, plus 10 8-hour days for office engineering support. Part of the work may occur during the heating season in late 2011 to permit testing and adjustment of the systems. Two of the three building owners have declined installation of the systems. Costs have been included for oversight of installation at only one of the buildings. The cost for 2010 have been modified to reflect actual charges. The 2011 costs have been modified to included charges incurred up to date. Additional 2011 charges added include 25 10-hour days for oversight and five 10-hour days for system testing (TBD [PL II]). Support charges from the project manager (1 hours per day of installation and testing, Claire Hunt [PL VII]), engineers (1 hour per day, Celeste Foster [PL IV], 1 hour per week, Scott Underhill [PL VI]) and administrative (5 hours, Angela TomaEisele [PL III]) were included. Costs for invoice review (8 hours, Celeste Foster [PL IV], 4 hours, Claire Hunt [PL VII]) and testing review (12 hours, Celeste Foster [PL IV]) were also included.
- *Subtask 03.04 –SSDS Information Package Preparation:* This task consists of preparation of an engineering report. This task has been modified to include preparation costs (68 hours, Celeste Foster [PL IV], 16 hours, Claire Hunt [PL VII]), review costs (10 hours, Scott Underhill [PL VI]) and support costs (5 hours, Diane Trudel [PL III], 5 hours, Angela TomaEisele [PL III]). This work was originally scoped for 2009, but the hours have been moved to 2012 since the construction is not complete.
- *Subtask 03.06 –Annual Long Term Monitoring Report:* The well sampling will be documented in annual reports. Additionally, the data will be submitted to NYSDEC for the Environmental Information Management System (EIMS). The 2010 costs were modified to reflect actual charges. The 2011 costs were modified to include charges incurred to date this year (2 hours Claire Hunt [PL VII] and 36 hours Angela TomaEisele [PL III]). For 2011 and 2012, costs were added for report preparation, (total of 50 hours, Claire Hunt, [PL VII]), support (8 hours Celeste Foster [PL IV], 8 hours Angela TomaEisele [PL III]), 8 hours TBD [PL II]) and review (8 hours, Scott Underhill [PL VI])

SUBCONTRACTOR PROCUREMENT DETAILS

The following subcontractors will be used for these field efforts to maintain continuity with the previous sampling:

- Field Support (YEC, Inc. – **MBE**) – Assist with groundwater and air sampling.
- Data Validation (EDS – **WBE**) – Validate groundwater analyses for two rounds of long-term monitoring and validate air analyses for structure sampling.

Quotes were obtained for 30 analyses of volatile organic compounds, nitrates, carbon dioxide, methane, sulfate, iron, and dissolved iron from three standby subcontractor laboratories: Mitkem Laboratories, TestAmerica, and Hampton Clarke-Veritech. The low bidder, Mitkem Laboratories, was selected.

Costs for AGS and Pure Earth have been removed from the cost estimate because these services were not required to complete the revised scope of work.

PROJECT SCHEDULE

Anticipated completion dates for the work are provided below:

Groundwater Sampling 2011

Field Effort – 8/20/11

Laboratory Results – 9/17/11

Data Validation Complete – 10/22/11

Groundwater Sampling 2012
Field Effort – 5/18/12
Laboratory Results – 6/15/12
Data Validation Complete – 7/13/12

Long Term Monitoring Report 2011
Draft Report – 11/31/11
Final Report – 2/14/12

Long Term Monitoring Report 2012
Draft Report – 7/20/12
Final Report – 8/31/12

Oversight of SSDS Systems
Field Effort – 11/15/11 to 02/24/12

The budget extends the original schedule to accomplish two additional years of monitoring and to provide oversight during installation of the sub-slab depressurization systems.

BUDGET WORKSHEETS

Attached are the 2.11 worksheets for your review. To date, \$97,225.46 has been billed for pre-design testing, preparation of design documents, installation of wells, and one round of groundwater and indoor air monitoring with documentation. The new costs being added are \$116,660. The cost for AGS and Pure Earth that were removed from the cost estimate is \$10,841. The project cost including the additional 2011 and 2012 long term monitoring and oversight is \$249,311. A breakdown of cost by FY is \$118,668 in FY2011 and \$33,418 in FY2012.

If there are any questions regarding this procurement report, please contact me directly at (845) 425-4980 or Angela TomaEisele at (518) 951-2307.

Yours sincerely,

Claire Hunt
Project Manager

Cc: S. Underhill, AECOM
A. Toma-Eisele, AECOM

Utility Manufacturing/Wonder King Laboratory Costs

Analysis	qty	HCV	TestAmerica	Mitkem
VOCs	30	78.75	82.40	75.00
Nitrates	30	21.00	14.42	15.00
Carbon dioxide	30	125.00	88.00	80.00
Methane	30	125.00	90.00	Note 1.
Sulfate	30	21.00	14.42	15.00
Iron	30	10.50	25.75	15.00
Dissolved Oxygen	30	15.00	25.00	15.00
Total		11,887.50	10,199.70	6,450.00

Note:

1. Mitkem combines the cost for carbon dioxide and methane analyses at \$80 per sample.

ANALYTICAL & FIELD
ENVIRONMENTAL SERVICES

Quotation for Laboratory Services

Quote No: 1287

Client: AECOM
100 Red School House Rd.
Suite B-1
Chestnut Ridge NY, 10977

Project Name: NYS DEC Utility Mfg.
Project Location: New York

Contact: Claire Hunt
Phone:
Email: claire.hunt@aecom.com

Quote Date: 4/21/2011
Quote Expires: 10/18/2011

Groundwater

Test Name	Analytical Method	Matrix	Quant	Unit Price	%Sur	Extended Price
Volatile Organics (8260)	EPA 8260B	Water	30	\$78.75	0	\$2,362.50
Nitrate-N (Water) 300.0	300.0 rev2.1	Water	30	\$21.00	0	\$630.00
Sulfate (Water) 300.0	300.0 rev2.1	Water	30	\$21.00	0	\$630.00
Iron only 6010	EPA 6010B	Water	30	\$10.50	0	\$315.00
Dissolved Oxygen 4500	SM 4500	Water	30	\$15.00	0	\$450.00
Carbon Dioxide	AM20GAX	Water	30	\$125.00	0	\$3,750.00
Methane only	RSK175	Water	30	\$125.00	0	\$3,750.00
Sub Total:						\$11,887.50

Total: \$11,887.50

Sincerely,
Veritech Laboratories

ACCEPTED:

By: _____

Title: _____

Date: _____

Rich Gerbes
Account Manager
Phone 845-926-2901
Email: rich@hcvlab.com
AM: RG

Quotation for Laboratory Services

Quote No: 1287

Client: AECOM
100 Red School House Rd.
Suite B-1
Chestnut Ridge NY, 10977

Contact: Claire Hunt
Phone:
Email: claire.hunt@aecom.com

Project Name: NYS DEC Utility Mfg.
Project Location: New York

Quote Date: 4/21/2011
Quote Expires: 10/18/2011

Quote Details:

Quote Terms: Net 30	Deliverable: NYSDEC-CatB	TurnAround (Working Days): 10
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1. Any duplicate samples, field blanks or trip blanks will be charged at unit rates.
2. A processing fee of \$5/sample will be assessed for samples received and not analyzed for any parameters.
3. Estimated quantity is based on 2 rounds (2011 & 2012) of 15 samples per round.
4. Methane and Carbon Dioxide analysis will be subcontracted out to Microseeps.
5. Carbon Dioxide can not be done by RSK175 and will be done by Microseeps in house method AM20GAX. Methane can be done by this method also and if both Methane and Carbon Dioxide are done by AM20GAX, the unit cost is \$125 for both. NYS does not certify the AM20GAX method since it is an in house method.

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403

Tel: (802) 660-1990
Fax: (802) 660-1919
www.testamericainc.com

April 21, 2011

Ms. Claire Hunt
AECOM, Inc.
Rusten Corporate Park
100 Rd Schoolhouse Road
Suite B-1
Chestnut Ridge, NY 10977-6715
claire.hunt@aecom.com

Quote Number: **20002683**

Project Description: **2011/2012 Groundwater Analysis**

Dear Ms. Hunt:

TestAmerica Laboratories, Inc. is pleased to provide this laboratory services price quotation for the referenced project. The parameters that you have requested a price quotation for follow this page. The quoted prices apply until the expiration date that is listed on the quote.

Standard services that are provided at no additional cost include precleaned sample containers, sample labels, shipping coolers, and Level IV laboratory reports with detailed Quality Assurance documentation. Additional value added services offered by TestAmerica include: Final Reports in pdf format on CD-ROM, and EDD generation.

In the absence of any prior written agreement to the contrary, the most recent TestAmerica Standard Terms and Conditions apply to this quotation and any resulting services.

We look forward to serving as your analytical laboratory for this testing program.

Please feel free to contact me with any questions that you might have regarding this price quotation.

Regards,

Sara Goff
Project Manager
TestAmerica Laboratories, Inc.
Tel. 802 660-1990
sara.goff@testamericainc.com

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403

Prepared for:

Ms. Claire Hunt
AECOM, Inc.
Rusten Corporate Park
100 Rd Schoolhouse Road
Suite B-1
Chestnut Ridge, NY 10977-6715
claire.hunt@aecom.com

Prepared by Goff, Sara S
Date 4/21/2011
Expiration Date 7/21/2011
Est. Start Date

Project 2011012 Groundwater Analysis

Quote Number 2000000-0

2011 Groundwater

TAT: 10_Days (Business Days)

Matrix	Method	Test Description	Quantity	Unit Price	Extended Price
Water	8260B	Volatile Organic Compounds (GC/MS)	1	\$ 82.40	\$ 82.40
Water	RSK 175	Carbon Dioxide Only (GC)	15	\$ 88.00	\$ 1,320.00
Water	RSK-175	Methane Only (GC)	15	\$ 90.00	\$ 1,350.00
Water	6010B	Iron Only (ICP)	15	\$ 25.75	\$ 386.25

2011 Groundwater

TAT: 10_Days (Business Days)

(to be analyzed by Buffalo)

Matrix	Method	Test Description	Quantity	Unit Price	Extended Price
Water	353.2	Nitrate-Nitrite	15	\$ 14.42	\$ 216.30
Water	300.0	Sulfate Only	15	\$ 14.42	\$ 216.30
Water	SM 4500 O G	Oxygen, Dissolved	15	\$ 25.00	\$ 375.00
Total 2011 Groundwater					\$ 3,946.25

2012 Groundwater

TAT: 10_Days (Business Days)

Matrix	Method	Test Description	Quantity	Unit Price	Extended Price
Water	8260B	Volatile Organic Compounds (GC/MS)	1	\$ 82.40	\$ 82.40
Water	RSK 175	Carbon Dioxide Only (GC)	15	\$ 88.00	\$ 1,320.00
Water	RSK-175	Methane Only (GC)	15	\$ 90.00	\$ 1,350.00
Water	6010B	Iron Only (ICP)	15	\$ 25.75	\$ 386.25

2012 Groundwater

TAT: 10_Days (Business Days)

(to be analyzed by Buffalo)

Matrix	Method	Test Description	Quantity	Unit Price	Extended Price
Water	353.2	Nitrate-Nitrite	15	\$ 14.42	\$ 216.30
Water	300.0	Sulfate Only	15	\$ 14.42	\$ 216.30
Water	SM 4500 O G	Oxygen, Dissolved	15	\$ 25.00	\$ 375.00
Total 2012 Groundwater					\$ 3,946.25

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403

Prepared for:

Ms. Claire Hunt
AECOM, Inc.
Rusten Corporate Park
100 Rd Schoolhouse Road
Suite B-1
Chestnut Ridge, NY 10977-6715
claire.hunt@aecom.com

Prepared by Goff, Sara S
Date 4/21/2011
Expiration Date 7/21/2011
Est. Start Date

Project 201102 Groundwater Analysis

Quote Number 20002683-0

Total Other Charges	\$ 0.00
Total Analysis Charges	\$ 7,892.50
Grand Total for Quote 20002683	\$ 7,892.50

**Quoted charges do not include sales tax. Applicable sales tax will be added to invoices where required by law.

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403

Prepared for:

Ms. Claire Hunt
AECOM, Inc.
Rusten Corporate Park
100 Rd Schoolhouse Road
Suite B-1
Chestnut Ridge, NY 10977-6715
claire.hunt@aecom.com

Prepared by Goff, Sara S
Date 4/21/2011
Expiration Date 7/21/2011
Est. Start Date

Project 20110712 Groundwater Analysis

Quote Number 2000000-0

PROJECT DETAILS

Coolers and Supplies

TestAmerica will provide high quality sample containers and coolers to support analytical activities. Supplies may include a slight bottle excess (10%) in case of breakage. The cost of bottles and cooler usage is included in the analytical price quoted. TestAmerica expects that all coolers will be returned to a TestAmerica laboratory. TestAmerica further anticipates that approximately 70% or more of the containers supplied will be returned as samples. Coolers not received back by the projected deadline, or as arranged with the PM, may be charged at \$30 per cooler. Similarly, if less than 70% of the containers provided are returned as samples, TestAmerica may charge for additional containers provided at a flat rate of \$1 per container.

Courier Services and Sample Pick-up

Where Courier Service is offered by a TestAmerica facility, TestAmerica will pick up samples or drop off supplies during business hours, free of charge within a 40 mile radius of the facility for events that are a minimum of \$200 of analytical services. Courier services must be arranged, at a minimum, 24 hours in advance. Courier services beyond those parameters outlined above are available at an additional cost. Please contact your PM to inquire about availability and cost.

Expedited Turnaround Times

Expedited turnaround time may be available and must be pre-approved by the laboratory. Expedited turnaround delivery is contingent upon meeting the agreed upon delivery date/time and numbers of samples. TestAmerica's expedited turnaround time surcharges are:

5 Business Days TAT = 30%
3 Business Days TAT = 60%
48 Hours TAT = 75%
24 Hours TAT = 100%

Matrix Spike/Spike Duplicate Samples

TestAmerica complies with the required frequencies for MS/MSD per batch. When MS/MSD are not specifically requested, TestAmerica will strive to perform the required QC using whatever available sample there is but will not report the QC results unless the client requests it specifically. Any requested MS/MSD will be charged at unit rates. If MS/MSD are required/requested, the client must provide additional sample volume.

Minimum Login Charge

TestAmerica's minimum charge for a group of samples received and logged in together is \$200. Groups of samples received that require services totaling less than \$200 will be charged a \$200 minimum transaction charge for the sample group.

Multiple Dilutions Analyzed

TestAmerica will report the analytical run containing the highest concentration component/analyte in the sample within the calibrated (quantifiable) range of the method. Analytical screening runs are not reported. The laboratory will generally not be able to attempt greater than 10-fold more concentrated analysis than the required dilution. Additional dilutions requested to be analyzed and reported can be provided at 50% of the analytical cost for "prepped" analyses and 70% of the analytical cost for all others. These additional dilutions will only be attempted if, in the opinion of the laboratory, they do not pose a risk to the instrumentation. Please contact your PM to inquire about the availability of this service for your

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403

Prepared for:

Ms. Claire Hunt
AECOM, Inc.
Rusten Corporate Park
100 Rd Schoolhouse Road
Suite B-1
Chestnut Ridge, NY 10977-6715
claire.hunt@aecom.com

Prepared by Goff, Sara S
Date 4/21/2011
Expiration Date 7/21/2011
Est. Start Date

Project 2011022 Groundwater Analysis

Quote Number 2000000-0

particular project.

Price Discounts due to Sample Volume

TestAmerica prices may include a built in volume discount for larger sample projections. Such volume discounts are contingent upon receiving, at a minimum, 70% of the projected sample volume. The laboratory may withdraw volume discount prices when the minimum sample amounts are not delivered.

Sample Container Shipping

The containers and preservatives required by the project shall be delivered via ground transportation at no additional cost to the client. A minimum of 3 days advance notice is required in order to achieve shipment by ground transportation. Supply shipments requiring priority delivery due to insufficient lead time for ground transportation shall be charged to the client at TestAmerica's cost. Alternatively, TestAmerica can ship the supplies via carrier of choice by the client using the client's shipping account.

Sample Storage/Disposal

TestAmerica will dispose of samples, sample extracts and digestates, at no additional cost to clients, 30 days after the final report is issued. Storage of samples and containers beyond this time frame may be available for an additional fee. Additional storage time may be available under normal circumstances for a fee starting at \$1 per container per month. Please contact your PM to inquire about availability and cost.

Taxes

Where reports are issued in or delivered to a state which assesses sales tax on TestAmerica's services, applicable sales taxes will be added to the invoice as required by law, unless an appropriate sales tax exemption form is on file with TestAmerica.

Terms and Conditions

This quotation is based solely upon TestAmerica's standard product (routine QA/QC, detection limits, deliverables and standard turnaround times) and noted exceptions herein. The discounts incorporated into the pricing are based upon the sample quantity, test method, and schedule quoted. Any deviations may impact pricing and/or the acceptance of work. Final acceptance of this work is contingent upon a mutually agreed Sample Delivery Schedule. All sales are subject to TestAmerica's Terms and Conditions unless alternative terms have been agreed to in writing. Submittal of samples will indicate acceptance of TestAmerica's Terms and Conditions and other requirements as set forth in this quotation.

Turnaround Time

Data will be delivered at the proposed TAT in Business Days from Sample Receipt unless otherwise agreed upon.

TESTAMERICA TERMS AND CONDITIONS OF SALE (Short Form)

Where a purchaser (Client) places an order for laboratory, consulting or sampling services from TestAmerica Laboratories, Inc., a Delaware corporation (referred to as "TestAmerica"), TestAmerica shall provide the ordered services pursuant to these Terms and Conditions, and the related Quotation or Price Schedule, or as agreed in a negotiated contract. In the absence of a written agreement to the contrary, the Order constitutes an acceptance by the Client of TestAmerica's offer to do business under these Terms and Conditions, and an agreement to be bound by these Terms and Conditions. No contrary or additional terms and conditions expressed in a Client's document shall be deemed to become a part of the contract created upon acceptance of these Terms and Conditions, unless accepted by TestAmerica in writing.

1. ORDERS AND RECEIPT OF SAMPLES

1.1 The Client may place the Order (i.e., specify a Scope of Work) either by submitting a purchase order to TestAmerica in writing or by telephone subsequently confirmed in writing, or by negotiated contract. Whichever option the Client selects for placing the Order, the Order shall not be valid unless it contains sufficient specification to enable TestAmerica to carry out the Client's requirements. In particular, samples must be accompanied by: a) adequate instruction on type of analysis requested, and b) complete written disclosure of the known or suspected presence of any hazardous substances, as defined by applicable federal or state law. Where any samples which were not accompanied by the required disclosure, cause interruptions in the lab's ability to process work due to contamination of instruments or work areas, the Client will be responsible for the costs of clean up and recovery.

1.2 The Client shall provide one week's advance notice of the sample delivery schedule, or any changes to the schedule, whenever possible. Upon timely delivery of samples, TestAmerica will use its best efforts to meet mutually agreed turnaround times. All turnaround times will be calculated from the point in time when TestAmerica has determined that it can proceed with defined work following receipt, inspection of samples, and resolution of any discrepancies in Chain-of-Custody forms and project guidance regarding work to be done (Sample Delivery Acceptance). In the event of any changes in the sample delivery schedule by the Client, prior to Sample Delivery Acceptance, TestAmerica reserves the right to modify its turnaround time commitment, to change the date upon which TestAmerica will accept samples, or refuse Sample Delivery Acceptance for the affected samples.

1.3 TestAmerica reserves the right, exercisable at any time, to refuse or revoke Sample Delivery Acceptance for any sample which in the sole judgment of TestAmerica: a) is of unsuitable volume; b) may pose a risk or become unsuitable for handling, transport, or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance and whether or not such presence has been disclosed to TestAmerica by the Client; or c) holding times cannot be met, due to passage of more than 48 hours from the time of sampling or 1/2 the holding time for the requested test, whichever is less.

1.4 Prior to Sample Delivery Acceptance, the entire risk of loss or damage to samples remains with the Client, except where TestAmerica provides courier services. In no event will TestAmerica have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from TestAmerica's premises. Client is responsible to assure that any sample containing any hazardous substance which is to be delivered to TestAmerica's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws.

2. PAYMENT TERMS

2.1 Services performed by TestAmerica will be in accordance with prices quoted and later confirmed in writing or as stated in the Price Schedule. Quoted prices do not include sales tax. Applicable sales tax will be added to invoices where required by law. Where requested services on a group of samples received and logged in together at the laboratory total less than \$50, there will be a minimum transaction charge of \$50 for the sample group, or as shown on any related quote from TestAmerica, at TestAmerica's discretion. An Environmental Management Fee of 5% of the invoice value will also be applied, at TestAmerica's discretion.

2.2 Invoices may be submitted to Client upon completion of any sample delivery group. Billing corrections must be requested within 30 days of invoice date. Payment in advance is required for all Clients except those whose credit has been established with TestAmerica. For Clients with approved credit, payment terms are net 30 days from the date of invoice by TestAmerica, unless alternative terms have been agreed in a separate written agreement, and payment shall be made without retainage, and will not be contingent upon the receipt of funds from third parties. All overdue payments are subject to an additional interest and service charge of one and

one half percent (1.5%) (or the maximum rate permissible by law, whichever is lesser) per month or portion thereof from the due date until the date of payment. All fees are charged or billed directly to the Client. The billing of a third party will not be accepted without a statement, signed by the third party, that acknowledges and accepts payment responsibility.

2.3 In the event Client fails to make timely payment of its invoices, TestAmerica reserves the right to pursue all appropriate remedies, including withdrawing certifications, suspending work and withholding delivery of data under this order without recourse. Client shall be responsible for all reasonable fees, expenses, and costs of collection including but not limited to, arbitrator's and attorney's fees. TestAmerica reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit report.

3. CHANGE ORDERS, TERMINATION

3.1 Changes to the Scope of Work, price, or result delivery date may be initiated by TestAmerica after Sample Delivery Acceptance due to any condition which conflicts with analytical, QA or other protocols warranted in these Terms and Conditions. TestAmerica will not proceed with such changes until an agreement with the Client is reached on the amount of any cost, schedule change or technical change to the Scope of Work, and such agreement is documented in writing.

3.2 Changes to the Scope of Work, including but not limited to increasing or decreasing the work, changing test and analysis specification, or acceleration in the performance of the work may be initiated by the Client after sample delivery acceptance. Such a change will be documented in writing and may result in a change in cost and turnaround time commitment. TestAmerica's acceptance of such changes is contingent upon technical feasibility and operational capacity.

3.3 Suspension or termination of all or any part of the work may be initiated by the Client. TestAmerica will be compensated consistent with Section 2 of these Terms and Conditions. TestAmerica will complete all work in progress and be paid in full for all work completed.

4. WARRANTIES AND LIABILITY

4.1 Where applicable, TestAmerica will use analytical methodologies which are in substantial conformity with published test methods. TestAmerica has implemented these methods in its Laboratory Quality Manuals and referenced Standard Operating Procedures and where the nature or composition of the sample requires it, TestAmerica reserves the right to deviate from these methodologies as necessary or appropriate, based on the reasonable judgment of TestAmerica, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or TestAmerica's Laboratory Quality Manuals. Client may request that TestAmerica perform according to a mutually agreed Quality Assurance Project Plan (QAPP). In the event that samples arrive prior to agreement on a QAPP, TestAmerica will proceed with analyses under its standard Quality Manuals then in effect, and TestAmerica will not be responsible for any resampling or other charges if work must be repeated to comply with a subsequently finalized QAPP.

4.2 TestAmerica shall start preparation and/or analysis within holding times provided that Sample Delivery Acceptance occurs within 48 hours of sampling or 1/2 of the holding time for the test, whichever is less. Where resolution of inconsistencies leading to Sample Delivery Acceptance does not occur within this period, TestAmerica will use its best efforts to meet holding times and will proceed with the work provided that, in TestAmerica's judgment, the chain-of-custody or definition of the Scope of Work provide sufficient guidance. Reanalysis of samples to comply with TestAmerica's Quality Manuals will be deemed to have met holding times provided the initial analysis was performed within the applicable holding time. Where reanalysis demonstrates that sample matrix interference is the cause of failure to meet any Quality Manual requirements, the warranty will be deemed to have been met.

4.3 TestAmerica warrants that it possesses and maintains all licenses and certifications which are required to perform services under these Terms and Conditions provided that such requirements are specified in writing to TestAmerica prior to Sample Delivery Acceptance. TestAmerica will notify the Client in writing of any decertification or revocation of any license, or notice of either, which affects work in progress.

4.4 The warranty obligations set forth in Sections 4.1, 4.2 and 4.3 are the sole and exclusive warranties given by TestAmerica in connection with any services performed by TestAmerica or any Results generated from such services, and TestAmerica gives and makes NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED. No representative of TestAmerica is authorized to give or make any other representation or warranty or modify this warranty in any way.

4.5 Client's sole and exclusive remedy for the breach of warranty in connection with any services performed by TestAmerica, will be limited to repeating any services performed, contingent on the Client's providing, at the request of TestAmerica and at the Client's expense, additional sample(s) if necessary. Any reanalysis requested by the Client generating Results consistent with the original Results will be at the Client's expense. If resampling is necessary, TestAmerica's liability for resampling costs will be limited to actual cost or one hundred and fifty dollars (\$150) per sample, whichever is less.

4.6 TestAmerica's liability for any and all causes of action arising hereunder, whether based in contract, tort, warranty, negligence or otherwise, shall be limited to the lesser amount of compensation for the services performed or \$100,000. All claims, including those for negligence, shall be deemed waived unless suit thereon is filed within one year after TestAmerica's completion of the services. Under no circumstances, whether arising in contract, tort (including negligence), or otherwise, shall TestAmerica be responsible for loss of use, loss of profits, or for any special, indirect, incidental or consequential damages occasioned by the services performed or by application or use of the reports prepared.

4.7 In no event shall TestAmerica have any responsibility or liability to the Client for any failure or delay in performance by TestAmerica which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of TestAmerica. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, equipment breakdown, matrix interference or unknown highly contaminated samples that impact instrument operation, unavailability of supplies from usual suppliers, difficulties or delays in transportation, mail or delivery services, or any other cause beyond TestAmerica's reasonable control.

5. RESULTS, WORK PRODUCT

5.1 Data or information provided to TestAmerica or generated by services performed under this agreement shall only become the property of the Client upon receipt in full by TestAmerica of payment for the whole Order. Ownership of any analytical method, QA/QC protocols, software programs or equipment developed by TestAmerica for performance of work will be retained by TestAmerica, and Client shall not disclose such information to any third party.

5.2 Data and sample materials provided by Client or at Client's request, and the result obtained by TestAmerica shall be held in confidence (unless such information is generally available to the public or is in the public domain or Client has failed to pay TestAmerica for all services rendered or is otherwise in breach of these Terms and Conditions), subject to any disclosure required by law or legal process.

5.3 Should the Results delivered by TestAmerica be used by the Client or Client's client, even though subsequently determined not to meet the warranties described in these Terms and Conditions, then the compensation will be adjusted based upon mutual agreement. In no case shall the Client unreasonably withhold TestAmerica's right to independently defend its data.

5.4 TestAmerica reserves the right to perform the services at any laboratory in the TestAmerica network, unless the Client has specified a particular location for the work. In addition, TestAmerica reserves the right to subcontract services ordered by the Client to another laboratory or laboratories, if, in TestAmerica's sole judgment, it is reasonably necessary, appropriate or advisable to do so. TestAmerica will in no way be liable for any subcontracted services (outside the TestAmerica network) except for work performed at laboratories which have been audited and approved by TestAmerica.

5.5 TestAmerica shall dispose of the Client's samples 30 days after the analytical report is issued, unless instructed to store them for an alternate period of time or to return such samples to the Client, in a manner consistent with U.S. Environmental Protection Agency regulations or other applicable federal, state or local requirements. Air samples in Summa canisters will be retained for 5 days after analysis and data review. Longer storage periods may be requested and may be accommodated as space allows for an additional charge. Any samples for projects that are canceled or not accepted, or for which return was requested, will be returned to the Client at his own expense. TestAmerica reserves the right to return to the Client any sample or unused portion of a sample that is not within TestAmerica's permitted capability or the capabilities of TestAmerica's designated waste disposal vendor(s). ALL DIOXIN, MIXED WASTE, AND RADIOACTIVE SAMPLES WILL BE RETURNED TO THE CLIENT, unless prior arrangements for disposal are made.

5.6 Unless a different time period is agreed to in any order under these Terms and Conditions, TestAmerica agrees to retain all records for five (5) years.

5.7 In the event that TestAmerica is required to respond to legal process related to services for Client, Client agrees to reimburse TestAmerica for hourly charges for personnel involved in the response and attorney fees reasonably incurred in obtaining advice concerning the response, preparation to testify, and appearances related to the legal process, travel and all reasonable expenses associated with the litigation. Additional consulting beyond that normally associated with lab reports will be billed at TestAmerica's current published rates.

6. INSURANCE

6.1 TestAmerica shall maintain in force during the performance of services under these Terms and Conditions, Workers' Compensation and Employer's Liability Insurance in accordance with the laws of the states having jurisdiction over TestAmerica's employees who are engaged in the performance of the work. TestAmerica shall also maintain during such period, Comprehensive General and Contractual Liability (limit of \$1,000,000 per occurrence/ \$2,000,000 aggregate), Comprehensive Automobile Liability, owned and hired, (\$1,000,000 combined single limit), and Professional/Pollution Liability Insurance (limit of \$5,000,000 per occurrence/aggregate).

7. AUDIT

7.1 Upon prior notice to TestAmerica, the Client may audit and inspect TestAmerica's records and accounts covering reimbursable costs related to work done for the Client, for a period of two (2) years after completion of the work. The purpose of any such audit shall be only for verification of such costs, and TestAmerica shall not be required to provide access to cost records where prices are expressed as fixed fees or published unit prices.

8. MISCELLANEOUS PROVISIONS

8.1 These Terms and Conditions, together with any additions or revisions which may be agreed to in writing by TestAmerica, embody the whole agreement of the parties and provide the only remedies available. There are no promises, terms, conditions, understandings, obligations or agreements other than those contained herein, and these Terms and Conditions shall supersede all previous communications, representations, or agreements, either verbal or written, between the Client and TestAmerica. These Terms and Conditions, and any transactions or agreements to which they apply, shall be governed both as to interpretation and performance by the laws of the state where TestAmerica's services are performed.

8.2 The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder to these Terms and Conditions, the intent of the parties being that the provisions be severable. The section headings of these Terms and Conditions are intended solely for convenient reference and shall not define, limit or affect in any way these Terms and Conditions or their interpretations. No waiver by either party of any provision, term or condition hereof or of any obligation of the other party hereunder shall constitute a waiver of any subsequent breach or other obligation.

8.3 The obligations, liabilities, and remedies of the parties, as provided herein, are exclusive and in lieu of any others available at law or in equity. Indemnifications, releases from liability and limitations of liability shall apply, notwithstanding the fault, negligence or strict liability of the party to be indemnified, released, or whose liability is limited, except to the extent of sole negligence or willful misconduct.

Mitkem Laboratories
a Division of Spectrum Analytical, Inc

175 Metro Center Blvd
Warwick, RI 02886-1755

TEL: (401) 732-3400

FAX: (401) 732-3499

QUOTATION for
ANALYTICAL SERVICES

04/21/2011

Submitted By: Jim E Stadelmaier

Company: AECOM Environment

Contact: Claire Hunt

Address: 100 Red Schoolhouse Road Suite B-1

Chestnut Ridge, NY 10977

Phone: (845) 425-4980

Fax: (845) 425-4989

Quote ID: MIT1287

Project: Utility Mfg/Wonder King

TAT: 15 working days

QC Level: ASP-B

EDD Type: EQUIIS_4_AECOM

Expires: 06/20/2011

TEST ID	Matrix	Test Name / Invoice Remark	# Samp	Unit Price	Test Total
E300IC_W	Aqueous	Ion Chromotography (LOW) Sulfate Only	30	\$15.00	\$450.00
E353.2_NO2NO3	Aqueous	NITROGEN (NITRATE) by Automated Cd Reduction Nitrates Only	30	\$15.00	\$450.00
E360.1	Aqueous	Dissolved Oxygen	30	\$15.00	\$450.00
SW6010_W	Aqueous	Metals by ICP Iron Only	30	\$15.00	\$450.00
RSK175	Aqueous	Dissolved Gases by GC-FID CH4, CO2	30	\$80.00	\$2,400.00
SW8260_W	Aqueous	VOC by GC-MS	30	\$75.00	\$2,250.00

WO Comments:

Sub total: \$6,450.00

Misc: \$0.00

Discount: 0.00%

Surcharge: 0.00%

Comments:

Pricing is for 2 year Program beginning 2011. No charge for Volatile Trip
Blanks. Courier services are available at no additional cost for sample pickup.

TOTAL: \$6,450.00

This quotation is based on the scope of work, number of samples and sample delivery schedule provided in the request for bid/proposal. This quotation will remain valid for 60 days, unless noted. Should there be a significant change in the scope, number of samples or delivery schedule, please contact me to confirm availability and price. Laboratory work is performed under Mitkem's standard terms and conditions, payment terms are net-30 days, unless other arrangements are made in writing.

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Division of Environmental Remediation

Site/Spill Name Utility Manufacturing / Wonder King

Site/Spill Number 130043H Contract/WA # D0044436-32.1

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

Check the appropriate box and complete the chart below:

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

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

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

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

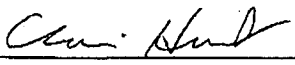
- ☐ Single/sole source procurement (including the usage of an M/WBE firm with estimated costs under \$10,000). Complete the chart below and attach rationale for selecting subcontractor along with the basis for determining cost reasonableness (e.g., an engineer's estimate or one comparative quote).

Groundwater and Soil Analyses

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
Mitkem	401-732-3400	4/21/11	\$6,450
Test America Laboratories, Inc.	716-691-2600	4/21/11	\$10,200
HCV	845-569-8316	4/21/11	\$11,888

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

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It includes a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors selected on a WA, a new subcontract certification must be submitted.)
4. For subcontracts in excess (or anticipated to be in excess) of \$10,000, the subcontractor submitted an acceptable New York State Vendor Responsibility Questionnaire. Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises (M/WBE) and Conflict of Interest (COI).
6. The subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) are included as appropriate.
9. All insurance policies require notice to the Department thirty (30) days prior to expiration, termination or suspension of such policy, directed to the attention of the Department.
10. Documentation supporting this certification is maintained by the Contractor and will be provided within 10 days of any request.

	4/29/11
Signature of Contractor's Authorized Representative	Date
<u>AECOM</u>	<u>D004436-32.1</u>
Contractor Name	Contract/WA No.
<u>Miktem Laboratories, Inc.</u>	
Subcontractor Name	

Rev. 09/28/10

Work Assignment No: D004436-32
Subcontractor: YEC, INC
Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
Project No: 60134954
Date Prepared: 04/20/11

YEC, INC
SCHEDULE 2.11(e)
COST-PLUS-FIXED-FEE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE
YEC, Inc	Engineering Support Services NEW WORK	\$8,874.22

A. Direct Salary Costs 2006 - 2009							
Professional Responsibility Level	Labor Classification					Estimated No. of Hours	Total Estimated Direct Salary Cost
Title Here	NSPE IX					0.00	\$0.00
Principal	NSPE VIII					0.00	\$0.00
	NSPE VII					0.00	\$0.00
	NSPE VI					0.00	\$0.00
Sr Geologist/Scientist/Eng	NSPE V					12.00	\$552.00
Staff Geologist/Scientist/E	NSPE IV					0.00	\$0.00
Staff Geologist/Eng/CAD	NSPE III					80.00	\$2,776.40
Sr Technician/Staff Engin	NSPE II					0.00	\$0.00
Technician/Draftsperson	NSPE I					0.00	\$0.00
Total Direct Salary Costs						92	\$3,328.40

B. Indirect Costs

Indirect costs shall be paid based on a percentage of direct salary costs incurred which shall not exceed a maximum of 117% or the actual rate calculated in accordance with 48 CFR Federal Acquisition Regulation, whichever is lower.

Budget for indirect costs is \$3,894.23

C. Maximum Reimbursement Rates for Direct Non-Salary Costs			
Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	Total Estimated Costs
Travel Costs			
Task 3 - Additional Studies			
03.02 - Well Sampling (9)			
Mileage	\$0.51 miles/trip (6 trips)	720	\$367.20
Tolls	\$18.50 day	6	\$111.00
Level D	\$15.00 mnday	6	\$90.00
			\$568.20
Total Direct Non-Salary Costs			\$568.20

D. Fixed Fee (15%)

The fixed fee is \$1,083.39

YEC, INC
NSPE
SCHEDULE 2.11(b)
DIRECT LABOR HOURS BUDGETED
TOTAL

LABOR CLASSIFICATION	IX	VIII	VII	VI	V	IV	III	II	I	LABOR HOURS	DIRECT * LABOR
Task 1 - Scoping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
single task	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 2 - Plans and Specifications	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.01 - Component 1 Conceptual Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.02 - Component 2 Draft Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.03 - Component 3 Final Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	12.00	0.00	80.00	0.00	0.00	92.00	\$3,328.40
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.02 - Well Sampling (9)	0.00	0.00	0.00	0.00	12.00	0.00	80.00	0.00	0.00	92.00	\$3,328.40
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	12.00	0.00	80.00	0.00	0.00	92.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$552.00	\$0.00	\$2,776.40	\$0.00	\$0.00		\$3,328.40

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 10/15/09

YEC, INC
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2011

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$0.00	VIII \$66.84	VII \$0.00	VI \$0.00	V \$45.32	IV \$39.37	III \$34.19	II \$25.28	I \$22.91	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
single task	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 2 - Plans and Specifications	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.01 - Component 1 Conceptual Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.02 - Component 2 Draft Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.03 - Component 3 Final Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	\$1,639.52
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.02 - Well Sampling (9)	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	\$1,639.52
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$271.92	\$0.00	\$1,367.60	\$0.00	\$0.00		\$1,639.52

YEC, INC
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2012

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$0.00	VIII \$68.85	VII \$0.00	VI \$0.00	V \$46.68	IV \$40.55	III \$35.22	II \$26.04	I \$23.60	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
single task	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 2 - Plans and Specifications	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.01 - Component 1 Conceptual Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.02 - Component 2 Draft Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.03 - Component 3 Final Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	\$1,688.88
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.02 - Well Sampling (9)	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	\$1,688.88
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$280.08	\$0.00	\$1,408.80	\$0.00	\$0.00		\$1,688.88

AECOM Technical Services Northeast, Inc.
TABLE 1.0
SUMMARY OF BUDGETED PROJECT COSTS

TASK	Direct Labor (a)	Indirect Costs 146.80%	Fixed Fee 10.5%	Travel & Subsistence	Other Direct Costs(c)	Cost plus Fixed Fee (d) Subcontractor	Sub Con Management Fee 5%	Unit Price (e) Subcontractor	TOTAL COLUMNS (1A-5)
Task 1 - Scoping	\$5,124.80	\$7,523.21	\$1,328.04	\$169.60	\$0.00	\$0.00	\$0.00	\$0.00	\$14,145.65
Task 2 - Plans and Specifications	\$7,136.61	\$10,476.55	\$1,849.38	\$935.00	\$11.00	\$0.00	\$0.00	\$7,296.25	\$27,704.79
02.01 - Component 1 Conceptual Design	\$3,397.79	\$4,987.96	\$880.50	\$832.00	\$11.00		\$0.00	\$7,296.25	\$17,405.50
02.02 - Component 2 Draft Design	\$1,855.09	\$2,723.27	\$480.73	\$50.00	\$0.00				\$5,109.09
02.03 - Component 3 Final Design	\$1,127.79	\$1,655.60	\$292.26	\$50.00	\$0.00				\$3,125.65
02.04 - Component 4 Project Cost Estimate	\$755.94	\$1,109.72	\$195.89	\$3.00	\$0.00				\$2,064.55
Task 3 - Additional Studies	\$47,848.40	\$70,241.47	\$12,399.43	\$12,084.80	\$15,721.00	\$24,341.64	\$787.44	\$23,936.50	\$207,360.68
03.01 - Well Installation & Development Ov	\$4,259.10	\$6,252.36	\$1,103.70	\$1,104.00	\$1,475.00	\$9,563.60	\$32.39	\$647.50	\$24,437.65
03.02 - Well Sampling (9)	\$4,765.32	\$6,995.49	\$1,234.89	\$1,578.60	\$13,104.00	\$13,218.28	\$304.85	\$12,547.00	\$53,748.43
03.03 - Structure Sampling	\$6,467.49	\$9,494.28	\$1,675.99	\$1,639.20	\$1,142.00	\$1,559.76	\$450.20	\$9,004.00	\$31,432.92
03.04 - SSDS Installation Oversight	\$17,028.88	\$24,998.40	\$4,412.86	\$7,663.50	\$0.00		\$0.00	\$1,738.00	\$55,841.64
03.05 - SSDS Information Package Preparati	\$4,043.43	\$5,935.76	\$1,047.81	\$19.50	\$0.00				\$11,046.50
03.06 - Annual Long term Monitoring Report	\$11,284.18	\$16,565.18	\$2,924.18	\$80.00	\$0.00				\$30,853.54
Sub Con Mgmt Rules MWBE always 5% Others 5% only when >10,000									
TOTALS	\$60,109.81	\$88,241.23	\$15,576.85	\$13,189.40	\$15,732.00	\$24,341.64	\$787.44	\$31,232.75	\$249,211.12

Work Assignment No: D004436-32.1
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No: 60134954
 Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.
SCHEDULE 2.11(a)
SUMMARY OF WORK ASSIGNMENT PRICE

1.....	DIRECT SALARY COSTS (Schedules 2.10(a) and 2.11(b))	60,110																																																						
2.....	INDIRECT COSTS (Schedule 2.10(g))	88,241																																																						
3.....	DIRECT NON-SALARY COSTS (Schedules 2.10(d)(e)(f) and 2.11(c)(d))	29,021																																																						
SUBCONTRACT COSTS COST-PLUS-FIXED-FEE SUBCONTRACTS (Schedule 2.10(e) and 2.11(e))																																																								
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MONTHLY COST CONTROL REPORT
SCHEDULE 2.11(h)
SUMMARY OF LABOR HOURS
NUMBER OF DIRECT LABOR HOURS EXPENDED TO DATE/
ESTIMATED NUMBER OF DIRECT LABOR HOURS TO COMPLETION

TASK NO.	LABOR CLASS		IX		VIII		VII		VI		V		IV		III		II		I		TOTAL NO. OF DIRECT LABOR HOUR	
	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.
Task 1 - Scoping		2.0		0.0		0.0		40.0		60.0		20.0		8.0		0.0		0.0		0.0		130.0
		2.0		0.0		0.0		40.0		60.0		20.0		8.0		0.0		0.0		0.0		130.0
Task 2 - Plans and Specifications		3.0		0.0		3.0		18.0		0.0		160.0		4.0		30.0		0.0		0.0		218.0
02.01 - Component 1 Conceptual Design		1.0		0.0		1.0		10.0		0.0		80.0		1.0		10.0		0.0		0.0		103.0
02.02 - Component 2 Draft Design		1.0		0.0		1.0		4.0		0.0		40.0		1.0		10.0		0.0		0.0		57.0
02.03 - Component 3 Final Design		1.0		0.0		1.0		2.0		0.0		20.0		1.0		10.0		0.0		0.0		35.0
02.04 - Component 4 Project Cost Estimate		0.0		0.0		0.0		2.0		0.0		20.0		1.0		0.0		0.0		0.0		23.0
Task 3 - Additional Studies		1.0		0.0		185.0		107.0		0.0		465.0		227.0		412.0		0.3		0.0		1397.3
03.01 - Well Installation & Development Oversight (6		1.0		0.0		0.0		10.0		0.0		88.0		1.0		36.0		0.0		0.0		136.0
03.02 - Well Sampling (9)		0.0		0.0		6.0		12.0		0.0		0.0		130.0		0.0		0.0		0.0		148.0
03.03 - Structure Sampling		0.0		0.0		16.0		5.0		0.0		108.0		10.0		58.0		0.0		0.0		197.0
03.04 - SSDS Installation Oversight		0.0		0.0		47.0		8.0		0.0		179.5		10.0		300.0		0.0		0.0		544.5
03.05 - SSDS Information Package Preparation		0.0		0.0		16.0		10.0		0.0		73.0		10.0		0.0		0.0		0.0		109.0
03.06 - Annual Long term Monitoring Report		0.0		0.0		100.0		62.0		0.0		16.5		66.0		18.0		0.3		0.0		262.8
TOTAL		6.0		0.0		188.0		165.0		60.0		645.0		239.0		442.0		0.3		0.0		1745.3

Work Assignment No: D004436-32.1
Engineer: AECOM Technical Services Northeast, Inc.
Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
Project No: 60134954
Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.
NSPE
SCHEDULE 2.11(b)
DIRECT LABOR HOURS BUDGETED
TOTAL

LABOR CLASSIFICATION	IX	VIII	VII	VI	V	IV	III	II	I	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
Task 2 - Plans and Specifications	3.00	0.00	3.00	18.00	0.00	160.00	4.00	30.00	0.00	218.00	\$7,136.61
02.01 - Component 1 Conceptual Design	1.00	0.00	1.00	10.00	0.00	80.00	1.00	10.00	0.00	103.00	\$3,397.79
02.02 - Component 2 Draft Design	1.00	0.00	1.00	4.00	0.00	40.00	1.00	10.00	0.00	57.00	\$1,855.09
02.03 - Component 3 Final Design	1.00	0.00	1.00	2.00	0.00	20.00	1.00	10.00	0.00	35.00	\$1,127.79
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	2.00	0.00	20.00	1.00	0.00	0.00	23.00	\$755.94
Task 3 - Additional Studies	1.00	0.00	185.00	107.00	0.00	465.00	227.00	412.00	0.25	1397.25	\$47,848.40
03.01 - Well Installation & Development Oversight	1.00	0.00	0.00	10.00	0.00	88.00	1.00	36.00	0.00	136.00	\$4,259.10
03.02 - Well Sampling (9)	0.00	0.00	6.00	12.00	0.00	0.00	130.00	0.00	0.00	148.00	\$4,765.32
03.03 - Structure Sampling	0.00	0.00	16.00	5.00	0.00	108.00	10.00	58.00	0.00	197.00	\$6,467.49
03.04 - SSDS Installation Oversight	0.00	0.00	47.00	8.00	0.00	179.50	10.00	300.00	0.00	544.50	\$17,028.88
03.05 - SSDS Information Package Preparation	0.00	0.00	16.00	10.00	0.00	73.00	10.00	0.00	0.00	109.00	\$4,043.43
03.06 - Annual Long term Monitoring Report	0.00	0.00	100.00	62.00	0.00	16.50	66.00	18.00	0.25	262.75	\$11,284.18
TOTAL LABOR HOURS	6.00	0.00	188.00	165.00	60.00	645.00	239.00	442.00	0.25	1745.25	
TOTAL LABOR DOLLARS	\$402.24	\$0.00	\$10,211.24	\$7,410.53	\$2,360.40	\$21,050.42	\$7,125.78	\$11,544.68	\$4.52		\$60,109.81

Work Assignment No: D004436-32.1
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No: 60134954
 Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2009

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$67.04	VIII \$65.55	VII \$51.91	VI \$44.05	V \$39.34	IV \$31.96	III \$28.64	II \$25.29	I \$17.42	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
Task 2 - Plans and Specifications	3.00	0.00	3.00	18.00	0.00	160.00	4.00	30.00	0.00	218.00	\$7,136.61
02.01 - Component 1 Conceptual Design	1.00	0.00	1.00	10.00	0.00	80.00	1.00	10.00	0.00	103.00	\$3,397.79
02.02 - Component 2 Draft Design	1.00	0.00	1.00	4.00	0.00	40.00	1.00	10.00	0.00	57.00	\$1,855.09
02.03 - Component 3 Final Design	1.00	0.00	1.00	2.00	0.00	20.00	1.00	10.00	0.00	35.00	\$1,127.79
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	2.00	0.00	20.00	1.00	0.00	0.00	23.00	\$755.94
Task 3 - Additional Studies	1.00	0.00	0.00	10.00	0.00	88.00	1.00	36.00	0.00	136.00	\$4,259.10
03.01 - Well Installation & Development Oversight	1.00	0.00	0.00	10.00	0.00	88.00	1.00	36.00	0.00	136.00	\$4,259.10
03.02 - Well Sampling (9)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
TOTAL LABOR HOURS	6.00	0.00	3.00	68.00	60.00	268.00	13.00	66.00	0.00	484.00	
TOTAL LABOR DOLLARS	\$402.24	\$0.00	\$155.73	\$2,995.40	\$2,360.40	\$8,565.28	\$372.32	\$1,669.14	\$0.00		\$16,520.51

Work Assignment No: D004436-32.1
Engineer: AECOM Technical Services Northeast, Inc.
Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
Project No: 60134954
Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.
- NSPE
SCHEDULE 2.11(b)
DIRECT LABOR HOURS BUDGETED
2010

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$68.60	VIII \$67.07	VII \$53.11	VI \$45.08	V \$40.26	IV \$32.71	III \$29.31	II \$25.86	I \$17.83	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 2 - Plans and Specifications	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.01 - Component 1 Conceptual Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.02 - Component 2 Draft Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.03 - Component 3 Final Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 3 - Additional Studies	0.00	0.00	0.00	55.00	0.00	67.50	62.00	2.00	0.00	186.50	\$6,556.27
03.01 - Well Installation & Development Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.02 - Well Sampling (9)	0.00	0.00	0.00	6.00	0.00	0.00	40.00	0.00	0.00	46.00	\$1,442.88
03.03 - Structure Sampling	0.00	0.00	0.00	3.00	0.00	62.00	0.00	0.00	0.00	65.00	\$2,163.26
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.00	\$163.55
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	46.00	0.00	0.50	22.00	2.00	0.00	70.50	\$2,786.58
TOTAL LABOR HOURS	0.00	0.00	0.00	55.00	0.00	67.50	62.00	2.00	0.00	186.50	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$2,479.40	\$0.00	\$2,207.93	\$1,817.22	\$51.72	\$0.00		\$6,556.27

Work Assignment No: D004436-32.1
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No: 60134954
 Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2011

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$69.59	VIII \$68.04	VII \$53.89	VI \$45.73	V \$40.84	IV \$33.18	III \$29.73	II \$26.25	I \$18.09	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 2 - Plans and Specifications	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.01 - Component 1 Conceptual Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.02 - Component 2 Draft Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.03 - Component 3 Final Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 3 - Additional Studies	0.00	0.00	132.00	31.00	0.00	301.50	96.00	366.00	0.25	926.75	\$31,000.98
03.01 - Well Installation & Development Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.02 - Well Sampling (9)	0.00	0.00	3.00	3.00	0.00	0.00	45.00	0.00	0.00	51.00	\$1,636.71
03.03 - Structure Sampling	0.00	0.00	16.00	2.00	0.00	46.00	5.00	58.00	0.00	127.00	\$4,151.13
03.04 - SSDS Installation Oversight	0.00	0.00	47.00	8.00	0.00	174.50	5.00	300.00	0.00	534.50	\$16,712.23
03.05 - SSDS Information Package Preparation	0.00	0.00	16.00	10.00	0.00	73.00	5.00	0.00	0.00	104.00	\$3,890.33
03.06 - Annual Long term Monitoring Report	0.00	0.00	50.00	8.00	0.00	8.00	36.00	8.00	0.25	110.25	\$4,610.58
TOTAL LABOR HOURS	0.00	0.00	132.00	31.00	0.00	301.50	96.00	366.00	0.25	926.75	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$7,113.48	\$1,417.63	\$0.00	\$10,003.77	\$2,854.08	\$9,607.50	\$4.52		\$31,000.98

Work Assignment No: D004436-32.1
Engineer: AECOM Technical Services Northeast, Inc.
Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
Project No: 60134954
Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.
NSPE
SCHEDULE 2.11(b)
DIRECT LABOR HOURS BUDGETED
2012

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$71.68	VIII \$70.08	VII \$55.51	VI \$47.10	V \$42.07	IV \$34.18	III \$30.62	II \$27.04	I \$18.63	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 2 - Plans and Specifications	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.01 - Component 1 Conceptual Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.02 - Component 2 Draft Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.03 - Component 3 Final Design	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Task 3 - Additional Studies	0.00	0.00	53.00	11.00	0.00	8.00	68.00	8.00	0.00	148.00	\$6,032.05
03.01 - Well Installation & Development Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.02 - Well Sampling (9)	0.00	0.00	3.00	3.00	0.00	0.00	45.00	0.00	0.00	51.00	\$1,685.73
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	5.00	\$153.10
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	5.00	\$153.10
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	5.00	\$153.10
03.06 - Annual Long term Monitoring Report	0.00	0.00	50.00	8.00	0.00	8.00	8.00	8.00	0.00	82.00	\$3,887.02
TOTAL LABOR HOURS	0.00	0.00	53.00	11.00	0.00	8.00	68.00	8.00	0.00	148.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$2,942.03	\$518.10	\$0.00	\$273.44	\$2,082.16	\$216.32	\$0.00		\$6,032.05

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.
SCHEDULE 2.11(b-1)
DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED

LABOR CLASSIFICATION Avg Labor rates	IX \$69.36	VIII \$67.82	VII \$53.71	VI \$45.58	V \$40.71	IV \$33.07	III \$29.63	II \$26.17	I \$18.03	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$165.13
	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$165.13
Task 2 - Plans and Specifications	4.00	0.00	0.00	0.00	0.00	8.00	8.00	0.00	0.00	20.00	\$779.04
02.01 - Component 1 Conceptual Design	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$194.76
02.02 - Component 2 Draft Design	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$0.00
02.03 - Component 3 Final Design	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$0.00
02.04 - Component 4 Project Cost Estimate	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$7.00
Task 3 - Additional Studies	12.00	0.00	0.00	0.00	0.00	20.00	13.00	0.00	0.00	45.00	\$1,878.91
03.01 - Well Installation & Development Oversight	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$194.76
03.02 - Well Sampling (9)	3.00	0.00	0.00	0.00	0.00	5.00	3.00	0.00	0.00	11.00	\$0.00
03.03 - Structure Sampling	3.00	0.00	0.00	0.00	0.00	5.00	3.00	0.00	0.00	11.00	\$0.00
03.04 - SSDS Installation Oversight	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$6.00
03.05 - SSDS Information Package Preparation	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$6.00
03.06 - Annual Long term Monitoring Report	3.00	0.00	0.00	0.00	0.00	4.00	3.00	0.00	0.00	10.00	\$429.25
TOTAL LABOR HOURS		0.00	0.00	0.00	0.00	30.00	22.00	0.00	0.00	69.00	\$2,823.08

Subject to contract allowability, project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
 - Conflict of Interest Check
 - Develop budget schedules and supporting documentation
2. Review work assignment (WA) progress
 - Conduct progress reviews
 - Prepare monthly project report and update WA progress schedule
 - M/WBE Activities
 - Program Management
 - Manage Subcontracts

3. CAP Preparation
 - Prepare monthly cost control report and CAP
 - Oversee CAP preparation
4. Miscellaneous
 - NSPE List Updates
 - Equipment use and inventory
 - Word Processing and Report Preparation

Contract/Project administration hours would not include activities such as:

1. QA/QC reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development (other than COI and budget preparation)
5. Review of deliverables

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(c1)

DIRECT NON-SALARY COSTS

ITEM	MAXIMUM REIMBURSEMENT RATE	UNIT	ESTIMATED NUMBER OF UNITS	TOTAL ESTIMATED COST
ODC				
Truck Mileage/Tolls				
Task 1 - Scoping				
Mileage	\$0.550	per mile	200	\$110.00
Toll	\$14.000	trip	2	\$28.00
Mileage	\$0.550	per mile	0	\$0.00
			Task 1 TTL	\$138.00
Task 2 - Plans and Specifications				
02.01 - Component 1 Conceptual Design				
Mileage	\$0.550	per mile	500	\$275.00
Toll	\$14.000	trip	5	\$70.00
			Task 02.01 TTL	\$345.00
Task 3 - Additional Studies				
03.01 - Well Installation & Development Oversight (6)				
Mileage	\$0.550	per mile	1,200	\$660.00
Toll	\$14.000	trip	12	\$168.00
			Task 03.01 TTL	\$828.00
03.02 - Well Sampling (9)				
Van Rental	\$110.000	day	9	\$990.00
Gas for Van	\$0.30	miles	900	\$270.00
Toll	\$14.000	trip	9	\$126.00
			Task 03.02 TTL	\$1,386.00
03.03 - Structure Sampling				
Van Rental	\$110.000	day	8	\$880.00
Gas for Van	\$0.30	miles	800	\$240.00
Toll	\$19.000	trip	12	\$228.00
			Task 03.03 TTL	\$1,348.00
03.04 - SSDS Installation Oversight				
Mileage	\$0.550	per mile	9,750	\$5,362.50
Toll	\$14.000	trip	65	\$910.00
			Task 03.04 TTL	\$6,272.50
			Direct Non-Salary Total	\$10,317.50

AECOM Technical Services Northeast, Inc.
SCHEDULE 2.11(c2)
DIRECT NON-SALARY COSTS

ITEM	MAXIMUM REIMBURSEMENT RATE	UNIT	ESTIMATED NUMBER OF UNITS	TOTAL ESTIMATED COST
ODC				
In House Costs				
Task 1 - Scoping				
Level D Equipment	\$15.00	day	2	\$30.00
Low Value Equipment	\$0.80	hr	2	\$1.60
Task 1 TTL				\$31.60
Task 2 - Plans and Specifications				
02.01 - Component 1 Conceptual Design				
Level D Equipment	\$15.00	day	5	\$75.00
Printing B&W cost (8.5X11)	\$0.03	page	6,000	\$180.00
Printing Color cost (8.5X11)	\$1.00	page	200	\$200.00
Low Value Equipment	\$0.80	hr	40	\$32.00
Task 02.01 TTL				\$487.00
02.02 - Component 2 Draft Design				
Printing B&W cost (8.5X11)	\$0.03	page	1,000	\$30.00
Printing Color cost (8.5X11)	\$1.00	page	20	\$20.00
Task 02.02 TTL				\$50.00
02.03 - Component 3 Final Design				
Printing B&W cost (8.5X11)	\$0.03	page	1,000	\$30.00
Printing Color cost (8.5X11)	\$1.00	page	20	\$20.00
Task 02.03 TTL				\$50.00
02.04 - Component 4 Project Cost Estimate				
Printing B&W cost (8.5X11)	\$0.03	page	100	\$3.00
Task 02.04 TTL				\$3.00
Task 3 - Additional Studies				
03.01 - Well Installation & Development Oversight (6)				
Level D Equipment	\$15.00	day	12	\$180.00
Low Value Equipment	\$0.80	hr	120	\$96.00
Task 03.01 TTL				\$276.00
03.02 - Well Sampling (9)				
Level D Equipment	\$15.00	day	9	\$135.00
Low Value Equipment	\$0.80	hr	72	\$57.60
Task 03.02 TTL				\$192.60
03.03 - Structure Sampling				
Level D Equipment	\$15.00	day	16	\$240.00
Low Value Equipment	\$0.80	hr	64	\$51.20
Task 03.03 TTL				\$291.20
03.04 - SSDS Installation Oversight				
Level D Equipment	\$15.00	day	65	\$975.00
Low Value Equipment	\$0.80	hr	520	\$416.00
Task 03.04 TTL				\$1,391.00
03.05 - SSDS Information Package Preparation				
Printing B&W cost (8.5X11)	\$0.03	page	150	\$4.50
Printing Color cost (8.5X11)	\$1.00	page	15	\$15.00
Task 03.05 TTL				\$19.50
03.06 - Annual Long term Monitoring Report				
Printing B&W cost (8.5X11)	\$0.03	page	1,000	\$30.00
Printing Color cost (8.5X11)	\$1.00	page	50	\$50.00
Task 03.06 TTL				\$80.00
Direct Non-Salary Total				\$2,871.90

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(d)3

Vendor Rented Equipment

ITEM	ESTIMATED QUANTITY	UNIT	COST	TOTAL BUDGET COST
ODC				
Vendor Rented Equipment				
Task 3 - Additional Studies				
03.01 - Well Installation & Development Oversight (6)				
a Water Level Indicator/Interface Probe	3	week	\$150.00	\$450.00
b PID	3	week	\$175.00	\$525.00
c YSI for Water Development	1	week	\$500.00	\$500.00
Task 03.01 TTL				\$1,475.00
03.02 - Well Sampling (9)				
a Water Quality Meter	3.00	3-day	\$400.00	\$1,200.00
b Van	3.00	3-day	\$300.00	\$900.00
c Water Quality Reagents	3.00	ea	\$940.00	\$2,820.00
d Water Level Indicator/Interface Probe	3.00	3-day	\$150.00	\$450.00
e QED Bladder Pump	3.00	3-day	\$150.00	\$450.00
f QED MP10 control unit	3.00	3-day	\$60.00	\$180.00
g QED 3020 Compressor	3.00	3-day	\$75.00	\$225.00
h PID	3.00	3-day	\$175.00	\$525.00
i Booster Pack Battery	3.00	3-day	\$30.00	\$90.00
Task 03.02 TTL				\$6,840.00
(2 sets of equipment are rented per event in order to sample from 2 wells simultaneously)				
03.03 - Structure Sampling				
a PID	1.00	week	\$350.00	\$350.00
b Helium Detector	2.00	3-day	\$200.00	\$400.00
c Helium tank	2.00	ea	\$100.00	\$200.00
d Equipment for Permanent SubSlab Points	50.00	ea	\$3.00	\$150.00
Vendor Rented Equipment Total				\$9,415.00

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(d)4

SITE-DEDICATED EQUIPMENT

ITEM	ESTIMATED QUANTITY	UNIT	COST	TOTAL BUDGET COST
ODC				
Dedicated Equipment				
Task 2 - Plans and Specifications				
02.01 - Component 1 Conceptual Design				
Field Note book	1.00	unit	11.00	\$11.00
				\$11.00
		Site Dedicated Equipmnt Total		\$11.00

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(d)5

CONSUMABLE SUPPLIES

ITEM	ESTIMATED QUANTITY		UNIT COST	TOTAL BUDGET COST
ODCs Ice/Misc Field Supplies/Shipping				
Task 3 - Additional Studies				
03.02 - Well Sampling (9)				
Teflon Tubing	3240	feet	\$1.40	\$4,536.00
Pump Changeout Kit	27	set	\$40.00	\$1,080.00
Air Tubing	3240	feet	\$0.20	\$648.00
			Task 03.02 TTL	\$6,264.00
03.03 - Structure Sampling				
Teflon Tubing	30	feet	\$1.40	\$42.00
Wax, fittings etc	1	LS	\$100.00	\$100.00
			Task 03.02 TTL	\$142.00
Consumable Supplies Total				\$6,406.00

Work Assignment No: D004436-32.1
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No: 60134954
 Date Prepared: 07/26/11

CostFixedFee Company Name
 SCHEDULE 2.11(e)
 COST-PLUS-FIXED-FEE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE
YEC, Inc	Engineering Support Services	\$24,341.64

A. Direct Salary Costs 2006 - 2009

Professional Responsibility Level	Labor Classification					Estimated No. of Hours	Total Estimated Direct Salary Cost
Title Here	NSPE IX					0.00	\$0.00
Principal	NSPE VIII					0.00	\$0.00
	NSPE VII					0.00	\$0.00
	NSPE VI					0.00	\$0.00
Sr Geologist/Scientist/Eng	NSPE V					28.00	\$1,263.82
Staff Geologist/Scientist/E	NSPE IV					4.00	\$151.72
Staff Geologist/Eng/CAD	NSPE III					218.00	\$7,373.43
Sr Technician/Staff Engin	NSPE II					0.00	\$0.00
Technician/Draftsperson	NSPE I					10.00	\$220.70
Total Direct Salary Costs						260	\$9,009.67

B. Indirect Costs

Indirect costs shall be paid based on a percentage of direct salary costs incurred which shall not exceed a maximum of 117% or the actual rate calculated in accordance with 48 CFR Federal Acquisition Regulation, whichever is lower.

Budget for indirect costs is: \$10,541.31

C. Maximum Reimbursement Rates for Direct Non-Salary Costs

Item	Maximum Reimbursement Rate (Specify Unit)				Estimated No. of Units	Total Estimated Costs
Travel Costs						
Task 3 - Additional Studies						
03.01 - Well Installation & Development Oversight (6)						
Mileage	\$0.55	miles/trip	(8 trips)	960	\$528.00	
Tolls	\$18.50	day	(8 trips)	8	\$148.00	
Level D	\$10.00	mnday		7	\$70.00	
Survey Equipment Rental	\$65.00	day		1	\$65.00	
Misc Materials	\$100.00	lump		1	\$100.00	
						\$911.00
03.02 - Well Sampling (9)						
Mileage	\$0.51	miles/trip	(9 trips)	1080	\$550.80	
Tolls	\$18.50	day	(9 trips)	9	\$166.50	
Level D	\$15.00	mnday	(9)	9	\$135.00	
						\$852.30
03.03 - Structure Sampling						
Mileage	\$0.51	miles/trip	(1 trip)	120	\$61.20	
Tolls	\$18.50	day	(1 trip)	1	\$18.50	
Level D	\$15.00	mnday	(1)	1	\$15.00	
						\$94.70
Total Direct Non-Salary Costs						\$1,858.00

D. Fixed Fee (15%)

The fixed fee is \$2,932.65

Work Assignment No: D004436-32.1
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No: 60134954
 Date Prepared: 07/26/11

YEC, INC
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2009

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$0.00	VIII \$64.40	VII \$0.00	VI \$0.00	V \$43.67	IV \$37.93	III \$32.94	II \$24.36	I \$22.07	LABOR HOURS	DIRECT LABOR
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
03.02 - Well Sampling (9)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$262.02	\$151.72	\$2,832.84	\$0.00	\$220.70		\$3,467.28

Work Assignment No: D004436-32.1
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No: 60134954
 Date Prepared: 07/26/11

YEC, INC
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2010

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$0.00	VIII \$66.33	VII \$0.00	VI \$0.00	V \$44.98	IV \$39.07	III \$33.93	II \$25.09	I \$22.73	LABOR HOURS	DIRECT LABOR
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	10.00	0.00	52.00	0.00	0.00	62.00	\$2,214.16
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.02 - Well Sampling (9)	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	\$1,627.08
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	4.00	0.00	12.00	0.00	0.00	16.00	\$587.08
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	10.00	0.00	52.00	0.00	0.00	62.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$449.80	\$0.00	\$1,764.36	\$0.00	\$0.00		\$2,214.16

Work Assignment No: D004436-32.1
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No: 60134954
 Date Prepared: 07/26/11

YEC, INC
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2011

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$0.00	VIII \$66.84	VII \$0.00	VI \$0.00	V \$45.32	IV \$39.37	III \$34.19	II \$25.28	I \$22.91	LABOR HOURS	DIRECT LABOR
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	\$1,639.52
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.02 - Well Sampling (9)	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	\$1,639.52
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$271.92	\$0.00	\$1,367.60	\$0.00	\$0.00		\$1,639.52

Work Assignment No: D004436-32.1
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No: 60134954
 Date Prepared: 07/26/11

YEC, INC
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2012

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$0.00	VIII \$68.85	VII \$0.00	VI \$0.00	V \$46.68	IV \$40.55	III \$35.22	II \$26.04	I \$23.60	LABOR HOURS	DIRECT LABOR
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	\$1,688.71
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.02 - Well Sampling (9)	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	\$1,688.71
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	6.00	0.00	40.00	0.00	0.00	46.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$280.08	\$0.00	\$1,408.63	\$0.00	\$0.00		\$1,688.71

Work Assignment No: D004436-32.1
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No: 60134954
 Date Prepared: 07/26/11

YEC, INC
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 TOTAL

LABOR CLASSIFICATION	IX	VIII	VII	VI	V	IV	III	II	I	LABOR HOURS	DIRECT LABOR
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	28.00	4.00	218.00	0.00	10.00	260.00	\$9,009.67
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
03.02 - Well Sampling (9)	0.00	0.00	0.00	0.00	18.00	0.00	120.00	0.00	0.00	138.00	\$4,955.31
03.03 - Structure Sampling	0.00	0.00	0.00	0.00	4.00	0.00	12.00	0.00	0.00	16.00	\$587.08
03.04 - SSDS Installation Oversight	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
03.06 - Annual Long term Monitoring Report	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	28.00	4.00	218.00	0.00	10.00	260.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$1,263.82	\$151.72	\$7,373.43	\$0.00	\$220.70		\$9,009.67

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Test America	Lab/Sampling	\$713.64	0	\$14,272.50

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
Task 3 - Additional Studies					
03.01 - Well Installation & Development Oversight (6)					
Waste Characterization					
PP VOA	\$135.00 sample	1	\$6.75	\$6.75	\$135.00
DRO	\$112.50 sample	1	\$5.63	\$5.63	\$112.50
PCBs	\$100.00 sample	1	\$5.00	\$5.00	\$100.00
TCLP Metals	\$90.00 sample	1	\$4.50	\$4.50	\$90.00
Ignitability	\$25.00 sample	1	\$1.25	\$1.25	\$25.00
Paint Filter Test	\$25.00 sample	1	\$1.25	\$1.25	\$25.00
pH	\$12.50 sample	1	\$0.63	\$0.63	\$12.50
Reac CN	\$43.75 sample	1	\$2.19	\$2.19	\$43.75
Reac S	\$43.75 sample	1	\$2.19	\$2.19	\$43.75
TCLP Prep	\$60.00 sample	1	\$3.00	\$3.00	\$60.00
				\$32.39	\$647.50
03.02 - Well Sampling (9)					
Groundwater Sampling					
SW846 8260B					
(9 fld, 1 fld dup, 1 MS, 1 MSD, 1 Equip blnk, 2 Trip blnks)					
	\$85.00 sample	15	\$63.75	\$63.75	\$1,275.00
Nitrates(335.2 method)	\$25.00 sample	15	\$18.75	\$18.75	\$375.00
Carbon dioxide(RSK-175)	\$80.00 sample	15	\$60.00	\$60.00	\$1,200.00
Methane(category A)	\$125.00 sample	15	\$93.75	\$93.75	\$1,875.00
Shipping charge	\$100.00 shipment	4	\$20.00	\$20.00	\$400.00
				\$256.25	\$5,125.00
03.03 - Structure Sampling					
Air Sampling					
2010 TO-15 ASP CAT B					
	\$225.00 sample	16	\$180.00	\$180.00	\$3,600.00
Flow Controller per sample	\$25.00 sample	16	\$20.00	\$20.00	\$400.00
Shipping per sample	\$25.00 sample	16	\$20.00	\$20.00	\$400.00
2011 TO-15 ASP CAT B (12 field, 2 field dups)					
	\$225.00 sample	14	\$157.50	\$157.50	\$3,150.00
Flow Controller per sample	\$25.00 sample	14	\$17.50	\$17.50	\$350.00
Extra canisters to cover faulty regulators	\$100.00 canister	2	\$10.00	\$10.00	\$200.00
Shipping per sample	\$25.00 sample	16	\$20.00	\$20.00	\$400.00
				\$425.00	\$8,500.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals			\$713.64		\$14,272.50

Air Sampling	Indoor Air	Outdoor Air	Duplicate	SubSlab
Property 2	2	1	1	1

Property 6	3	1	1	1
Property 9	2	1		1

<i>Air Sampling 2011</i>	<i>Indoor Air</i>	<i>Outdoor Air</i>	<i>Duplicate</i>	<i>SubSlab</i>
50 Bond	2	1	1	2
1025 Old Country Road	3	1	1	3

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
EDS (WBE)	Data Validation	\$73.80	1	\$1,476.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
Task 3 - Additional Studies					
03.02 - Well Sampling (9)					
Groundwater Sampling					
2010 Analysis 15+3 extra for additional analysis	\$18.00 sample	18	\$16.20	\$16.20	\$324.00
2011 Analysis 15+3 extra for additional analysis	\$18.00 sample	18	\$16.20	\$16.20	\$324.00
2012 Analysis 15+3 extra for additional analysis	\$18.00 sample	18	\$16.20	\$16.20	\$324.00
				\$48.60	\$972.00
03.03 - Structure Sampling					
Air Sampling					
2010 Analysis 11+5 SubSlab+2 extra for additional analysis	\$14.00 event	18	\$12.60	\$12.60	\$252.00
2011 Analysis 11+5 SubSlab+2 extra for additional analysis	\$14.00 event	18	\$12.60	\$12.60	\$252.00
				\$25.20	\$504.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals			\$73.80		\$1,476.00

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Advanced Geological Services	Survey	\$0.00	0	\$0.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
Task 3 - Additional Studies					
03.01 - Well Installation & Development Oversight (6)					
1/2 day (4hour) Field Day	\$1,200.00 event	0	\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
		Allowable Totals		\$0.00	\$0.00

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Enviro Testing	Pre-Design Survey Services	\$0.00	0	\$7,296.25

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5%		Total Estimated Costs
			Calculated	Validated	
Task 2 - Plans and Specifications					
02.01 - Component 1 Conceptual Design					
Labor	\$850.00 day	5	\$212.50	\$0.00	\$4,250.00
Travel	\$0.55 mile	425	\$11.69	\$0.00	\$233.75
Vehicle	\$262.50 day	5	\$65.63	\$0.00	\$1,312.50
Lodging/PerDiem	\$300.00 day	5	\$75.00	\$0.00	\$1,500.00
				\$0.00	\$7,296.25
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
		Allowable Totals		\$0.00	\$7,296.25

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Pure Earth	Disposal	\$0.00	0	\$0.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
Task 3 - Additional Studies					
03.01 - Well Installation & Development Oversight (6)					
HAZ Disposal	\$95.00 ton	0	\$0.00	\$0.00	\$0.00
HAZ Spot Container	\$650.00 ea	0	\$0.00	\$0.00	\$0.00
HAZ Transportation to Disposal Facility	\$2,300.00 ea	0	\$0.00	\$0.00	\$0.00
HAZ Roll Off rental	\$20.00 day	0	\$0.00	\$0.00	\$0.00
HAZ Liner	\$45.00 ea	0	\$0.00	\$0.00	\$0.00
HAZ Demurrage	\$85.00 hr	0	\$0.00	\$0.00	\$0.00
HAZ Drums	\$300.00 ea	0	\$0.00	\$0.00	\$0.00
HAZ Tax 1.43%	\$0.00 tax	0	\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
		Allowable Totals		\$0.00	\$0.00

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Spectrum Analytical/Mitkem	Lab/Sampling	\$0.00	0	\$6,450.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
03.02 - Well Sampling (9)					
Groundwater Sampling					
VOCs	\$75.00 sample	30	\$112.50	\$0.00	\$2,250.00
Nitrates	\$15.00 sample	30	\$22.50	\$0.00	\$450.00
Methane & Carbon Dioxide	\$80.00 sample	30	\$120.00	\$0.00	\$2,400.00
Sulfate	\$15.00 sample	30	\$22.50	\$0.00	\$450.00
Iron	\$15.00 sample	30	\$22.50	\$0.00	\$450.00
Dissolved Oxygen	\$15.00 shipment	30	\$22.50	\$0.00	\$450.00
SW846 8260B					
(9 fld, 1f ld dup, 1 MS, 1 MSD, 1 Equip.					
blnk, up to 3 Trip blnks)				\$0.00	\$6,450.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
		Allowable Totals	\$0.00		\$6,450.00

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
US Radon Management	Oversight of the SSDS installation	\$0.00	0	\$1,738.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5%		Total Estimated Costs
			Calculated	Validated	
Task 3 - Additional Studies					
03.04 - SSDS Installation Oversight	\$1,738.00 lump	1	\$86.90	\$0.00	\$1,738.00
Sub Con Mgmt Rules				\$0.00	\$1,738.00
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals				\$0.00	\$1,738.00

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Total Assignment

Page 1 of 4

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							\$60,109.81	
2 Indirect Costs							\$88,241.23	
3 Subtotal Direct Salary Costs and Indirect Costs							\$148,351.04	
4 Travel							\$13,189.40	
5 Other Non-Salary Costs							\$15,832.00	
6 Subtotal Direct Non-Salary Costs							\$29,021.40	
7 Subcontractors							\$55,574.39	
8 Total Work Assignment Cost							\$232,946.83	
9 Fixed Fee							\$15,576.85	
9A Subcon. Mgmt. Fee							\$787.44	
10 Total Work Assignment Price							\$249,311.12	

Project Manager (Engineer)

Date

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Task 1 - Scoping

Page 2 of 4

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							\$5,124.80	
2 Indirect Costs							\$7,523.21	
3 Subtotal Direct Salary Costs and Indirect Costs							\$12,648.01	
4 Travel							\$169.60	
5 Other Non- Salary Costs							\$0.00	
6 Subtotal Direct Non-Salary Costs							\$169.60	
7 Subcontractors							\$0.00	
8 Total Work Assignment Cost							\$12,817.61	
9 Fixed Fee							\$1,328.04	
9A Subcon. Mgmt. Fee							\$0.00	
10 Total Work Assignment Price							\$14,145.65	

Project Manager (Engineer) _____

Date _____

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Task 2 - Plans and Specifications

Page 3 of 4

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							\$7,136.61	
2 Indirect Costs							\$10,476.55	
3 Subtotal Direct Salary Costs and Indirect Costs							\$17,613.16	
4 Travel							\$935.00	
5 Other Non- Salary Costs							\$11.00	
6 Subtotal Direct Non-Salary Costs							\$946.00	
7 Subcontractors							\$7,296.25	
8 Total Work Assignment Cost							\$25,855.41	
9 Fixed Fee							\$1,849.38	
9A Subcon. Mgmt. Fee							\$0.00	
10 Total Work Assignment Price							\$27,704.79	

Project Manager (Engineer) _____

Date _____

Work Assignment No: D004436-32.1

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No: 60134954

Date Prepared: 07/26/11

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Task 3 - Additional Studies

Page 4 of 4

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							\$47,848.40	
2 Indirect Costs							\$70,241.47	
3 Subtotal Direct Salary Costs and Indirect Costs							\$118,089.87	
4 Travel							\$12,084.80	
5 Other Non-Salary Costs							\$15,821.00	
6 Subtotal Direct Non-Salary Costs							\$27,905.80	
7 Subcontractors							\$48,278.14	
8 Total Work Assignment Cost							\$194,273.81	
9 Fixed Fee							\$12,399.43	
9A Subcon. Mgmt. Fee							\$787.44	
10 Total Work Assignment Price							\$207,460.68	

Project Manager (Engineer)

Date

AECOM Technical Services Northeast, Inc.
 Contract No. D004436
 Utility Manufacturing/Wonder King, Site # 130043H
 Work Assignment # D-004436-32

SCHEDULE 2.11(g)1 - Supplemental
 MONTHLY COST CONTROL REPORT
 SUBCONTRACTS

	A	B	C	D	E	F	G	
Subcontractor Name	Subcontract Costs Claimed This Period	Subcontract Costs Claimed Previously	Total Subcontract To Date (A+B)	Subcontract Approved Budget	Management Fee Budget	Management Fee Paid and Claimed	Total Costs To Date (C+F)	
1 YEC, Inc. (MBE)				\$24,341.64				
2 Test America				\$14,272.50	\$713.64			
3 EDS (WBE)				\$1,476.00	\$73.80			
4 Advanced Geological Services								
5 Enviro Testing				\$7,296.25				
6 Pure Earth								
7 Mitkem				\$6,450.00				
8 US Radon				\$1,738.00				
16 TOTALS				\$55,574.39	\$787.44			

Project Manager (Engineer)

Date

7/26/11

Cost Review for Schedule 2.11 Package

Contractor Name: AECOM Technical Services Northeast, Inc.

Date: 08/11/11

WA # and Name: #D004436-32.2 Util Manufacturing/Wonder King

Reviewer: C. Hunt

GENERAL COST REVIEW CHECKLIST		Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.	X		
	Budget package includes a cover letter and an M/WBE Utilization Plan.	X		Update to be submitted
1	Cover Letter			
	Provides brief justification of the budget supported by the 2.11s.	X		
	Anticipated completion date(s) for the work are included. For amendments, there is an explanation of how the submittal affects the existing schedule.	X		
	Duration of anticipated work does not exceed the next fiscal year. (Work subsequent to that should be part of a future amendment or new work assignment.)	X		
	If proposing work for multiple years, a brief justification is included.	X		
	Includes anticipated billings by State fiscal year. For amendments, both the unexpended budget and the new costs being added are identified.	X		
	If an amendment, the current status of work (what's completed/billed, what remains) is provided.	X		
2	Schedule 2.11(b) - Direct Labor			
	Average reimbursement rates are used for each year. Future years escalate 3%.	X		
	Hours are segregated by year.	X		
	Total cost for each NSPE level is shown.	X		
	Total direct labor costs match amounts on Schedule 2.11(a).	X		
	The Principal's (NSPE IX) labor hours charged to WA are less than 2% of the total.	X		
	Total labor hours match hours on Schedule 2.11(h).	X		
3	Schedule 2.11(b-1) - Direct Administrative Labor Hours			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	X		
4	Schedules 2.11(c) and (d) - Direct Non-Salary Costs			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or misc. costs match contract Schedule 2.10(b) or 2.10(c) (2).	X		
	Quotes are included for any non-contract item (including equipment purchases & rentals; excluding air fare) >\$1k. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	X		
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR. Field costs must be receipted.	X		
	Appropriate lodging/per diem/mileage rates are used.			NA
	Schedule 2.11(d)1 - All equipment purchased is supported by cost justification that's acceptable to the CM. Equipment is to be maintained by the contractor or turned over to DEC, and it must be added to contractor's inventory list (include a revised copy).			NA
	Schedule 2.11(d)2 - Rates for consultant-owned equipment match Schedule 2.10(c).			NA
	Schedule 2.11(d)4 - Includes equipment to be used only on the WA (such as blower purchased to upgrade SVE system).			NA
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.			No Change
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	X		

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5	Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts			
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted.	X		
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.	X		
	A breakdown of direct non-salary costs is provided.	X		
	Total subcontract cost matches amount on Schedule 2.11(a).	X		
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.	X		
	Subcontractor certification(s) have been submitted.			done previously
6	Schedule 2.11(f) - Unit Price Subcontracts			
	There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.			done previously
	<i>Standby Drillers</i> (Two phase process) - Quotes from all standbys are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected. Explanation for declinations has been provided.			done previously
	<i>Standby Labs and Data Validators</i> (rotate use) - Unit costs match those in contract(s).	X		
	<i>M/WBE</i> - Cost reasonableness of sole/single source M/WBE contracts <\$10k are documented by an engineer's estimate.			NA
	Cost reasonableness of sole/single source contracts are documented by an engineer's estimate or other cost comparisons (e.g., historical costs, pricing guides).			NA
	Placeholders are used only for non-standby subcontractors.			NA
	Cost reasonableness of placeholder subcontractors are documented by an engineer's estimate or other cost comparisons.			NA
	Correct contract management fee is calculated only on non-professional unit priced subs >\$10k and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors unless the contract specifically allows it.)	X		
	Total subcontract costs match the amounts on Schedule 2.11(a).	X		
	Justification is attached for subcontracts >\$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, other construction-type activities) must be competitively bid unless otherwise approved.			NA
	Subcontractor certification(s) have been submitted.	X		
7	Schedule 2.11(g) - Cost Control Report			
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).	X		
8	Schedule 2.11(g) - Supplemental - Cost Control Report (subs)			
	Includes all applicable subcontracts and management fees (for unit price only).	X		
9	Schedule 2.11(a)			
	Rates for indirect and fixed fee match contract rates.	X		
	All numbers rolled up into Schedule 2.11(a) add up.	X		

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New York State Department of Environmental Conservation

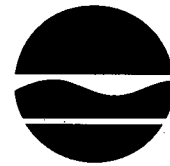
Division of Environmental Remediation

Bureau of Program Management, 12th Floor

625 Broadway, Albany, New York 12233-7012

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

Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

October 23, 2009

Scott Underhill, P.E.
AECO Technical Services Northeast, Inc.
40 British American Boulevard
Latham, NY 12110

RE: Schedule 2.11s Approval
Contract/WA No.: D004436-32
Site Name: Utility Mfg/Wonder King
Site # 130043H

Dear Mr. Underhill:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) hereby approves the enclosed Schedule 2.11s for the above referenced WA for a total amount not to exceed \$132,651. Your firm may now submit a request for reimbursement for work completed under this WA.

If you have any questions regarding the WA, please contact the Project Manager, Jeffrey Dyber at (518) 402-9621.

Sincerely,

Michael J. Cruden, P.E.

Chief

Contracts and Payments Section

Bureau of Program Management

Division of Environmental Remediation

cc: J. Dyber
P. Kappeller
D. Desnoyers
S. Ervolina
D. Weigel
C. Vasudevan
G. Bobersky
D. Finlayson
T. Wolosen
M/WBE Unit

**UTILITY MANUFACTURING/
WONDER KING
OPERABLE UNIT 2
Submittal #2**

Site # 130043H
Utility Manufacturing/Wonder King
Work Assignment # D004436-32

Submitted to:
Patricia Kappeller
Contract Manager, NYSDEC

Prepared for:
Superfund Standby Program
New York State
Department of Environmental Conservation
625 Broadway
Albany, New York, 12233

Prepared by:
AECOM Technical Services Northeast, Inc.
40 British American Blvd
Latham, NY 12110

October 09

AECOM Project No. 114310

AECOM
300 Broadacres Drive, Bloomfield, NJ 07003
T 973-338-6680 F 973-338-1052 www.aecom.com

October 10, 2009

NYS Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
625 Broadway, 12th Floor
Albany, NY 12233-7012

Attn: Patricia Kappeller, Contract Manager

Dear Ms. Kappeller,

**Subject: Utility Manufacturing/Wonder King, Operable Unit 2
Site No. 130043H
Work Assignment No. D004436-32
Remedial Design and Construction Inspection**

Attached please find revised 2.11s, subcontract certifications, a summary of bids and a cost checklist for the above-referenced project in response to your email dated July 16, 2009 to Scott Underhill. The scope of work consists of project scoping, preparation of plans and specifications, oversight of construction services including sub-slab depressurization system (SSDS) installation at three facilities (Properties 2, 6 and 9) and installation of six monitoring wells, and one round of groundwater and indoor air sampling. NYSDEC's work plan template calls for three years of long term monitoring. Per your instruction, the scope is limited to 16 months. Therefore, the cost for only one round of sampling is included in the 2.11s. Task details are provided below.

1.0 SCOPE OF WORK

1.1 TASK 1 - SCOPING

This task consists of one site visit for two employees, development of the 2.11s, progress schedules and development of a summary for the repository. The site visit was conducted on August 14, 2009. The site location is shown on Figure 1.

The procedures for implementing these investigative components are detailed below.

1.2 TASK 2 - PLANS AND SPECIFICATIONS

AECOM will design and install a sub-slab depressurization system at the facilities listed below.

- Structure 2
- Structure 6
- Structure 9

It should be noted that the sub-slab depressurization system will be installed only in the western portion of the building (occupied by office space and warehouse) located at Structure 2. The remaining portion of the building is used as an active production/workshop area. No access was granted to AECOM to this portion of the building during the supplemental Remedial Investigation. A

photoionization detector (PID) reading of 10 parts per million (ppm) was recorded near the door leading to the production/workshop area. AECOM was denied access to take the product inventory or to determine chemical usage inside the production/workshop area. AECOM believes that the elevated PID reading may be due to the chemical usage in the production/warehouse area. Therefore, no sub-slab depressurization system will be designed or installed for the remainder of the building that is used as a production area. In addition, a sub-slab depressurization system will only be installed in the office space portion of the building located at Structure 9. No sub-slab depressurization system will be installed in the area of the Structure 9 that is occupied by a Parking Deck as this portion is well ventilated and open to air. Unless otherwise noted, it is assumed that all field work will be completed in United States Environmental Protection Agency (USEPA) Level D protection. It is assumed that all field activities will be monitored by one or more AECOM representatives.

The pre-design study will be conducted during the heating season, starting in November and ending in March.

To accomplish the remedial design, the subtasks discussed below are proposed.

- Conceptual Design
 - Conduct a Pre-design Investigation
- Draft Design
- Final Design
- Project Cost Estimate

1.2.1 Subtask 02.01 – Conceptual Design

1.2.1.1 Review of Building Information

Prior to commencing the SSD system design, AECOM will obtain the as-built drawings from the current property owners, if available. In addition, AECOM will review the as-built drawings. The information presented on the as-built drawings will be verified during the pre-design investigation.

1.2.1.2 Building Differential Pressure

Soil gases are usually pulled into a building due to lower air pressure inside the building than outside. The differential pressure is usually caused by environmental factors (wind or temperature), building appliances (heating/cooling system air handler or exhaust fan) and occupant effects (closing certain interior doors). The extent of this differential pressure is important for the design of sub-slab depressurization system.

AECOM will perform the steps outlined below for determining building differential pressure:

1. AECOM will visually inspect the buildings to identify the zones that may be separated from one another by closed doors. Likewise location of air return and supply, appliance that may potentially depressurize the building will be marked on the as-built drawings obtained from the owner.
2. From a convenient location, AECOM will run one length of tubing from the REFERENCE port of manometer to the outside of the building through a door that will close over the tube without pinching or severing it. The exposed end of the tubing will be protected with some kind of diffuser if there is excessive wind. AECOM will run the other length of tubing from the SIGNAL port of manometer to the space to be tested.
3. All exterior doors, windows and other openings will be closed. All interior doors will be opened and the air handler and potentially depressurizing appliances will be switched off. The building differential pressure will be measured.
4. With all the same conditions and all the potentially depressurizing units switched on, the

- building differential pressure to identify worst case scenario will be measured and recorded.
5. Step 4 will be repeated with all or selected interior doors open.

1.2.1.3 Sub-Slab Pressure Field Extension Measurements

Sub-slab pressure field extension measurement and sub-slab pressure flow characteristics provide the most useful information during the design of a SSD system. The effective field radius of extension (r) can be determined for each slab based on the sub-slab pressure field extension measurement test indicating likely coverage for a suction point. The sub-slab pressure field extension may be limited in at least two ways.

- The pressure field cannot extend past the point where there is a footing or other obstruction through which air cannot flow, therefore it is important to treat each slab separately.
- The pressure field cannot extend past the point where there is a crack or high permeability access to indoor or outdoor air.

AECOM will perform the steps outlined below for determining sub-slab pressure field extension;

1. Based on the review of the as-built drawings, locations of underground utilities, and concurrence of the property owner/tenant, AECOM will identify locations for suction hole(s) and pressure sample holes.
2. Pressure test holes will be located between 6 feet (ft) to 15 ft from the nearest exterior wall, and no closer than 30 ft from one another. They will be located so as to maximize area and floor/wall joint coverage within a 15 ft to 25 ft radius of the suction hole.
3. Pressure test holes will be located as available, at a radial distance of 3 ft, 9 ft and 15 ft from the nearest suction hole in two or three directions. Additionally one (1) pressure test hole (baseline hole) will be located at 1 ft from each of the suction holes. Locations of all the pressure and suction holes will be shown on the building floor plan.
4. Approximately 1.5 – 2 inch suction test hole will be drilled through the slab at designated location(s) and sealed with rope caulk. 3/8 inch pressure test holes will be drilled through the slab and sealed as above.
5. Before conducting the sub-slab pressure field extension measurements, pressure at each sample hole(s) will be measured. These measurements will provide information regarding depressurization caused due to environmental conditions and operating household appliances.
6. A Radonaway RP265 or Fantech HP220 fan or industrial vacuum cleaner will be used to draw soil gas through the suction hole(s).
7. Initially the fan/vacuum cleaner will be operated so as to create at 1.5 - 2 inch WC pressure differential at the baseline hole and the pressure differentials at the pressure test holes will be measured and recorded.
8. The pressure differentials measured before and after the operation of fan/vacuum cleaner will be compared to identify the effective radius of extension (r). The effective radius of extension (r) will be the distance from the suction hole to the pressure test hole(s) where the minimum pressure differential is greater than 1 Pascal (0.004 in WC).
9. To measure the sub-slab pressure-flow characteristics, the fan/vacuum cleaner will be operated so as to create different pressure differential at the baseline test hole (0.5 inch WC, 1 inch WC, 1.5 inch WC and 2 inch WC) and the flow rates for the specific pressure differentials at the baseline test holes will be measured, respectively. The pressure-flow relationship will be further used to plot a sub-slab flow curve for each of the buildings.

A visual inspection will be conducted to check for potential soil gas entry points into the building shell. The cracks and utility penetrations are the likely candidates, and there may be other soil gas entry points. Potential entry points will be sealed, if possible, and pressure testing will be repeated.

It is important to understand that for commercial properties, where the grade below slabs are compacted and thus result in low permeable soils, sufficient time will be provided for the pressure

field to be developed.

1.2.1.4 Conceptual Design

Following completion of the pre-design study, AECOM will prepare a conceptual SSD system design for NYSDEC review. Planning and designing the SSD system includes determining the number of suction points, determining placement of suction holes, determining the size and capacity of the fan and determining the optimum size (diameter) of the pipe. The design of the SSD system will be based on the information collected during the pre-design investigation. The location of the suction points will be selected based on the input received from the property owner/tenants. The SSD system design, consisting of drawing of each building showing the locations of the suction points, piping (including piping support) and the extraction fan, will be submitted to NYSDEC for review..

Based on experience on similar projects, AECOM has completed a preliminary design of the sub-slab depressurization system for buildings located on the three properties. The design parameters stated below are being included to give NYSDEC an estimate on the size of the system that may be needed for each of the building

Structure 2

1. Approximate area of the building: 25,200 square feet (sf) (140 ft x 180 ft)
2. Assumed field radius of extension: 25 ft
3. Number of suction points: 13
4. Approximate length of 4-inch pipe run: 600 ft
5. Approximate length of 6-inch pipe run: 700 ft
6. Fan selected: Radonaway RP265 (three units)

Structure 6

1. Approximate area of the building: 6,400 sf (80 ft x 80 ft)
2. Assumed field radius of extension: 25 ft
3. Number of suction points: 5
4. Approximate length of 4-inch pipe run: 400 ft
5. Approximate length of 6-inch pipe run: 200 ft
6. Fan selected: Radonaway RP265 (two units)

Structure 9

1. Approximate area of the building: 25,200 sf (140 ft x 180 ft)
2. Assumed field radius of extension: 25 ft
3. Number of suction points: 13
4. Approximate length of 4-inch pipe run: 600 ft
5. Approximate length of 6-inch pipe run: 700 ft
6. Fan selected: Radonaway RP265 (three units)

The actual design will be refined based on the findings of the pre-design investigation

1.2.2 Subtasks 02.02 – Draft SSD System Design

The draft design will incorporate NYSDEC's comments on the conceptual design. The submittal will consist of draft design calculations, drawings, specifications, bid quantity estimates, cost estimates, a description of access and permit issues and draft measurements for payment. Three copies of the preliminary design will be provided to NYSDEC for review. The submittal will be a complete draft design which will be finalized based on DEC comments.

1.2.3 Subtasks 02.03 - Final SSD System Design

The final design will address all of NYSDEC's comments on the draft design. The submittal will consist of final contract documents, and quantity estimates and a list of required permits/access agreements. The design will have a PE seal.

The actual design will be refined based on the findings of the pre-design investigation. The final design will include instrumentation to measure the suction induced by the sub-slab depressurization system. The final design will be signed and sealed by a Professional Engineer who is registered in New York State.

1.2.4 Subtasks 02.04 – Project Cost Estimate

As part of the draft design package, a project cost estimate will be prepared for review by NYSDEC. The cost estimate will be revised according to NYSDEC comments on the draft design and submitted with the final design package.

1.3 TASK 3 – ADDITIONAL STUDIES

Additional studies will be conducted install and sample monitoring wells, conduct indoor air monitoring, oversee SSD system installation and provide documentation.

1.3.1 Subtask 03.01 – Well Installation & Development Oversight

As required in the 2008 ROD for OU 2, annual groundwater monitoring will be conducted in the study area to evaluate natural attenuation of the groundwater contamination. Three existing wells have been identified on site. However, during the August 14, 2009 site visit, the Nassau County well could not be located. Three additional nested pairs of groundwater monitoring wells will be installed. The proposed well locations are presented in Figure 2. The monitoring well locations will be adjusted with NYSDEC approval if there are obstructions such as overhead utility lines. Each of these well nests would be screened from 85-95 feet bgs (shallow) and from 115-125 feet (deep). AECOM will provide a scope of work for the NYSDEC's drilling contractor. AECOM will oversee installation of the wells by NYSDEC's remedial contractor and prepare well construction logs.

Prior to installation, AECOM's subcontractor will conduct a utility markout. NYSDEC's remedial contractor will be responsible for contacting DIG SAFE prior to drilling.

Soil cuttings will be collected in a roll-off. It is assumed that the roll-off can be stored on the nearby Bowling Green Water District property (see Figure 1). AECOM will contact the Assistant to Commissioner at the Town of Hempstead (1995 Prospect Avenue, East Meadow, NY 11554) to formally request use of the water district property. According to the Assistant to Commissioner, Joe Vicario, he does not know of any objections to use of the water district property for this purpose. The driller will use a skid steer to transport the soil from the well location to the roll-off daily. The roll-off will be covered. Drums will be provided by NYSDEC's driller to segregate highly contaminated material, if encountered. A waste characterization sample will be collected by AECOM to determine whether the soil can be disposed as non-hazardous material.

The wells will be developed by NYSDEC's remedial contractor with oversight by AECOM. Well development forms will be prepared by AECOM.

1.3.2 Subtask 03.02 – Well Sampling

AECOM will collect one round of samples from the three existing and six planned wells. AECOM will complete well sampling forms showing compliance with EPA guidance. The sampling procedure will follow the EPA low flow sampling procedures (EPA SOP, 1998). A bladder pump will be used. The

pump intake will be set at the midpoint of the screened interval. Dedicated Teflon or Teflon-lined tubing will be used for all groundwater sample collection. Several parameters will be recorded during purging including flow rate, depth to water, temperature, pH, conductivity, DO, ORP and turbidity. The measurements will be recorded on a well sampling form. Measurements will be collected approximately every five minutes. A flow cell will be used to measure most of the parameters. Purge water will be disposed to the sanitary sewer as required by the Nassau County discharge permit to be obtained by AECOM. Purging will be considered complete when the indicator parameters have stabilized over three consecutive readings. Stabilization parameters are:

- depth to water: less than 0.3 ft drawdown during purging;
- pH: ± 0.1
- conductivity: $\pm 3\%$
- DO: ± 10 mV
- ORP: $\pm 10\%$ and
- Turbidity: less than 50 NTU.

An attempt will be made to achieve these criteria. However, if stabilization is not achieved after two hours of purging, the groundwater sample will be collected although the parameters have not stabilized.

During sample collection, the flow cell will be disconnected and the sample tubing discharge will be poured directly into the laboratory supplied sample containers and field vials.

In low yield wells, the sample may be collected after the well recharges if purged dry.

Immediately prior to the groundwater sampling, the depth to water will be gauged to provide information on groundwater flow in the vicinity of the site. Water level measurements will be recorded in the field notebook and on the sampling form.

Groundwater samples will be analyzed in the field for dissolved oxygen, sulfates and dissolved iron and shipped for laboratory analysis for VOCs, nitrates, carbon dioxide, and methane by TestAmerica in Amherst, New York. The analytical sample requirements are summarized in Table 1 and Table 2. The groundwater laboratory data will be validated.

1.3.3 Subtask 03.03 – Structure Sampling

AECOM will monitor Structure 1, Structure 7 and Structure 13. The long term monitoring will be conducted during the heating season, which is from November through March. Monitoring, including sub-slab vapor, indoor air, and outdoor air sampling, will be performed concurrently to determine whether concentrations in the indoor air or sub-slab vapor have changed; and to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint.

The NYSDOH indoor air quality questionnaire and building inventory will be completed for each property.

Two indoor air samples are proposed to be collected within the first floors of the structures on each of the two properties. In addition, an outdoor ambient air sample will be collected concurrently with the indoor air samples to determine the extent to which outdoor sources may be influencing indoor air quality in the structures.

Sub-slab vapor samples will be collected from all the locations sampled during the supplemental Remedial Investigation in these structures. A total of five (5) sub-slab soil vapor samples (excluding

the QA/QC samples) will be collected. AECOM will install permanent sub-slab sampling ports that are flush mounted to facilitate future long term air monitoring.

Where possible, sub-slab vapor samples will be located central to the building and away from the foundation walls and apparent penetrations such as water pipes, floor drains, etc. The location of each sampling point will be marked, documented, and photographed. A photoionization detector (PID) will be used to screen indoor air and penetrations such as concrete floor cracks, floor drains, etc., prior to collecting the air samples. Household products containing chlorinated solvents, when found, will be removed from the interior of the building prior to and during the sampling effort. PID readings and other general observations during the sampling events will be recorded.

The air samples will be collected using 6-liter Summa® batch certified canisters equipped with flow controller valves pre-calibrated at the laboratory. Indoor air samples will be collected by placing the Summa® canister in the breathing zone (4-6 ft off ground). A length of new Teflon-lined polyethylene tubing will be cut and clamped to the top of the flow regulator. For the outdoor air sampling, locations will be selected that are removed from outdoor operations that are known to generate VOCs. AECOM personnel will install the permanent probes for sampling sub-slab vapor. An electric drill will be utilized to make a 1-inch diameter borehole through the concrete slab. The drill bit will be advanced approximately six inches into the sub-slab material at each sampling location to create an open cavity. A 6-inch long stainless steel soil gas implant fitted with a Teflon-lined polyethylene tube will then be inserted into the borehole. The annulus around the implant will be backfilled with sand pack to the bottom of the cement slab. The remaining annular space will be sealed using inert material (i.e., bentonite). The integrity of the seal will then be tested using helium tracer gas inserted into an enclosure placed above the seal. After installation of the probe, the tubing will be connected to a vacuum pump and up to one liter of sub-slab vapor will be purged (at a rate less than 200 milliliters per minute [mL/min]). Once purging is completed, the sample tube will be connected to the Summa® canister with a pre-set regulator designed to sample for a 24-hour period. Permanent sub-slab points will be sealed to the floor with hydraulic cement. After sampling, each point will be capped with a stainless steel threaded cap to seal the point and allow future monitoring activities. The permanent sub-slab points will be flush to the floor surface.

The Summa canisters will be sent to TestAmerica in Burlington, Vermont for TO-15 VOC analysis. Table 1 and Table 2 present the analytical requirements.

Unless otherwise noted, it is assumed that all field work will be completed in United States Environmental Protection Agency (USEPA) Level D protection in accordance with the health and safety plan. It is assumed that all field activities will be monitored by one or more AECOM representatives.

1.3.4 Subtask 03.04 – SSD System Installation Oversight

All components of the sub-slab depressurization system will be installed in compliance with the applicable mechanical, electrical, building, plumbing, energy, and fire prevention codes, standards and regulations of the local jurisdiction.

After the systems are installed, post-mitigation testing will be conducted at each of the buildings:

- After installation of the sub-Slab Depressurization System, the integrity of the fan mounting seals and all joints in the interior vent piping will be verified.
- After the installation of suction points, the suction or flow will be measured to assure that the system is operating as designed. Upon completion of installation, the system will be operated for an hour. After this period, two pilot holes will be drilled away from the suction point to demonstrate that a minimum of 1 Pascal of vacuum is being created at these pilot holes.
- Immediately after the installation in buildings containing natural draft combustion appliances, the building will be tested for back drafting of those appliances. Any back drafting conditions that results from installation of the sub-slab depressurization unit will be

corrected before the system is placed in operation.

Upon installation of the sub-slab depressurization system, carpet/floor tile will be restored to previous conditions, to the extent practical.

1.3.5 Subtask 03.05 – SSD System Reporting

Earth Tech will prepare a Final Engineering Report that meets all of the requirements of DER-10 (Section 5.8 Remedial Action Report) following installation of the SSD systems. The report shall include an operation, maintenance and monitoring plan consistent with DER-10 Section 6.

1.3.6 Subtask 03.06 – Annual Long Term Monitoring Report

Upon completion of the annual long term monitoring sampling event, AECOM will prepare an annual Long Term Monitoring Report in a letter format. The letter report will contain the following:

- Groundwater and air analytical summary tables;
- Comparison of groundwater samples to NYSDEC Class GA criteria; and,
- Comparison of air samples to the matrices and NYSDOH 75th percentile background estimates in NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New dated October 2006.

2.0 PROJECT SCHEDULE

The project schedule is presented in Figure 3.

3.0 STAFFING PLAN

The functional relationships among the parties involved in this project are illustrated in Figure 4. The roles and responsibilities of the key people shown in the chart are described briefly below.

Program Manager Scott Underhill, P.E., AECOM's Program Manager, will have responsibility for overall program management and coordination of subcontractors to complete the work.

Project Manager Claire Hunt, AECOM's Project Manager, will have responsibility for overall project management and coordination with NYSDEC.

Field Team Leader Celeste Foster will have overall responsibility of oversight of the field activities and construction oversight.

QA Officer Mr. Allen Burton will serve as Quality Assurance Officer, and will be responsible for laboratory and data validation subcontractor procurement and assignment, as well as providing overall direction for the QC/AC program.

H & S Officer Peter Sullivan, AECOM Northeast Safety Manager, will oversee the health and safety aspects of this assignment. He, or his designee, will have the responsibility for approval of the project health and safety plan, and tracking of its implementation.

Resumes for AECOM personnel have previously been submitted to the NYSDEC Contract Development Section.

4.0 SUBCONTRACTING AND M/WBE PLAN

Several areas of unit price service under Task 3 are amenable to existing AECOM standby subcontracting:

- Field Support (YEC, Inc. – MBE) – Assist with indoor air sampling and groundwater sampling.
- Land Surveying (YEC, Inc. – MBE) – Survey six well locations.
- Utility Markout (Advanced Geological Services, Inc.) – Survey six monitoring well installation areas.
- Laboratory Analysis (Test America - NYSDOH Wadsworth ELAP certified) – Conduct air and groundwater analyses for one round of long term monitoring.
- Data Validation (EDS – WBE) – Validate air and groundwater analyses for one round of long-term monitoring.

AECOM solicited quotes for pre-design survey activities and soil cuttings disposal. Quotes a. The low bidders were selected: Enviro Testing for pre-design survey activities and Pure Earth for soil cuttings disposal. Neither Enviro Testing nor Pure Earth is an M/WBE.

4.1 ASSUMPTIONS

The cost present in Schedule 2.11 forms is based on the assumption stated below.

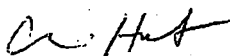
- *Task 1 - Scoping:* A site visit was conducted on August 14, 2009. Two AECOM employees attended.
- *Subtask 02.01 – Conceptual Design:* AECOM has assumed that the pre-design investigation will last for five 10-hour days. In addition, one day will be required to locate the potential soil gas entry points. AECOM will work with Enviro Testing to collect the field measurements. It is assumed that all field work will be conducted in Level D.
- *Subtask 02.02 – Draft Design:* The submittal will consist of draft design calculations, drawings, specifications, bid quantity estimates, cost estimates, a description of access and permit issues and draft measurements for payment. Three copies of the preliminary design will be provided to NYSDEC for review. The submittal will be a complete draft design which will be finalized based on DEC comments.
- *Subtask 02.03 – Final Design:* The submittal will consist of final contract documents, engineer's cost and quantity estimates and a list of required permits/access agreements.
- *Subtask 02.04 – Project Cost Estimate:* This task consists of preparing a project cost estimate for review by NYSDEC.
- *Subtask 03.01 – Well Installation & Development Oversight:* This task consists of coordination and oversight of monitoring wells installation at six locations. It is assumed that the wells will be installed in three pairs along the south side of Old Country Road. The cost for a geophysical survey by AGS for utility mark out is included in the budget. The cost for drilling is not included as stated in NYSDEC's work plan template. The wells will be developed by the driller with oversight by AECOM. It is assumed that the wells will be installed in 8 days and development will require an additional 2 days. Soil cuttings will be collected in a roll off for off-site disposal by the subcontractor Pure Earth Disposal Group. The soil will be sampled for waste characterization prior to disposal. It is assumed that the soil will be disposed as hazardous waste. The budget includes the cost of 5 drums, to allow segregation of more heavily contaminated soil, if encountered. It is assumed that the water will not have a sheen and can be disposed to a storm or sanitary sewer in accordance with Nassau County requirements. AECOM will contact Nassau County to obtain a permit for

disposal of the purged groundwater. The permit fee will be waived because this is a NYSDEC project. A team subcontractor, YEC, will conduct a land survey of the six monitoring wells following installation.

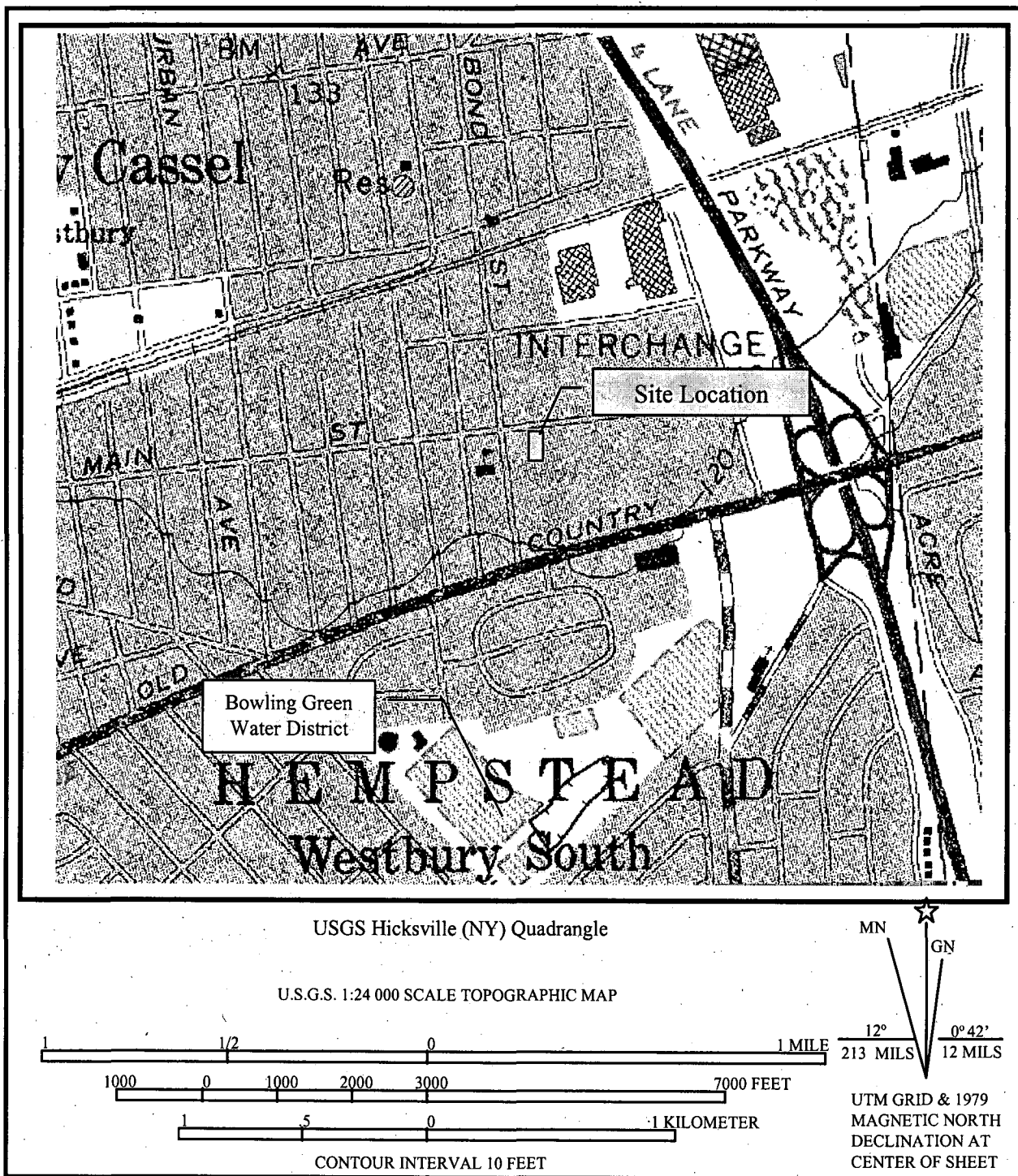
- **Subtask 03.02 –Well Sampling:** This task consists of groundwater sampling at the three existing and six newly installed wells. The groundwater will be collected by the low flow method. The samples will be analyzed for dissolved oxygen, sulfates, and dissolved iron, in the field; and for nitrates, carbon dioxide, methane and VOCs by the standby contractor TestAmerica. Laboratory results will be validated by standby contractor EDS.
- **Subtask 03.03 –Structure Sampling:** This task consists of air sampling at three properties. Indoor air, outdoor air and sub-slab samples will be collected from each property. Permanent sub-slab points will be installed at each location for long-term monitoring. YEC will assist with air sampling. The NYSDOH indoor air quality questionnaire and building inventory will be completed for each property. The samples will be analyzed for VOCs (TO-15) by the standby contractor TestAmerica. Laboratory results will be validated by standby contractor EDS.
 - AECOM has assumed that the field work will be performed during normal working hours on weekdays;
 - A total of 3 sub-slab soil vapor, 6 indoor air, 2 outdoor air samples, and 2 field duplicate samples will be collected and analyzed using EPA Method TO-15 during each sampling event. The samples will be analyzed on a standard turn around time; and,
 - Permanent sub-slab soil gas sampling implants will be installed at the properties.
- **Subtask 03.04 –SSD System Installation Oversight:** Based on the experience on similar projects, AECOM has assumed that installation and testing of the system for Structure 2 will last for four 10-hour days, for Structure 6 will last for four 10-hour days and for Structure 9 will last for eight 10-hour days. AECOM's specifications for NYSDEC's contractor will require use of a certified electrician meeting all state and local requirements.
- **Subtask 03.05 –SSD System Information Package Preparation:** This task consists of preparing a SSDS information package for each facility. The document will identify as-built deviations from the design documents, final pressure readings and operation and maintenance requirements.
- **Subtask 03.06 –Annual Long Term Monitoring Report:** This task consists of preparing a sampling summary report for the groundwater and air samples in the form of a letter report.

If you have any questions or require additional information, feel free to contact our office.

Yours sincerely,



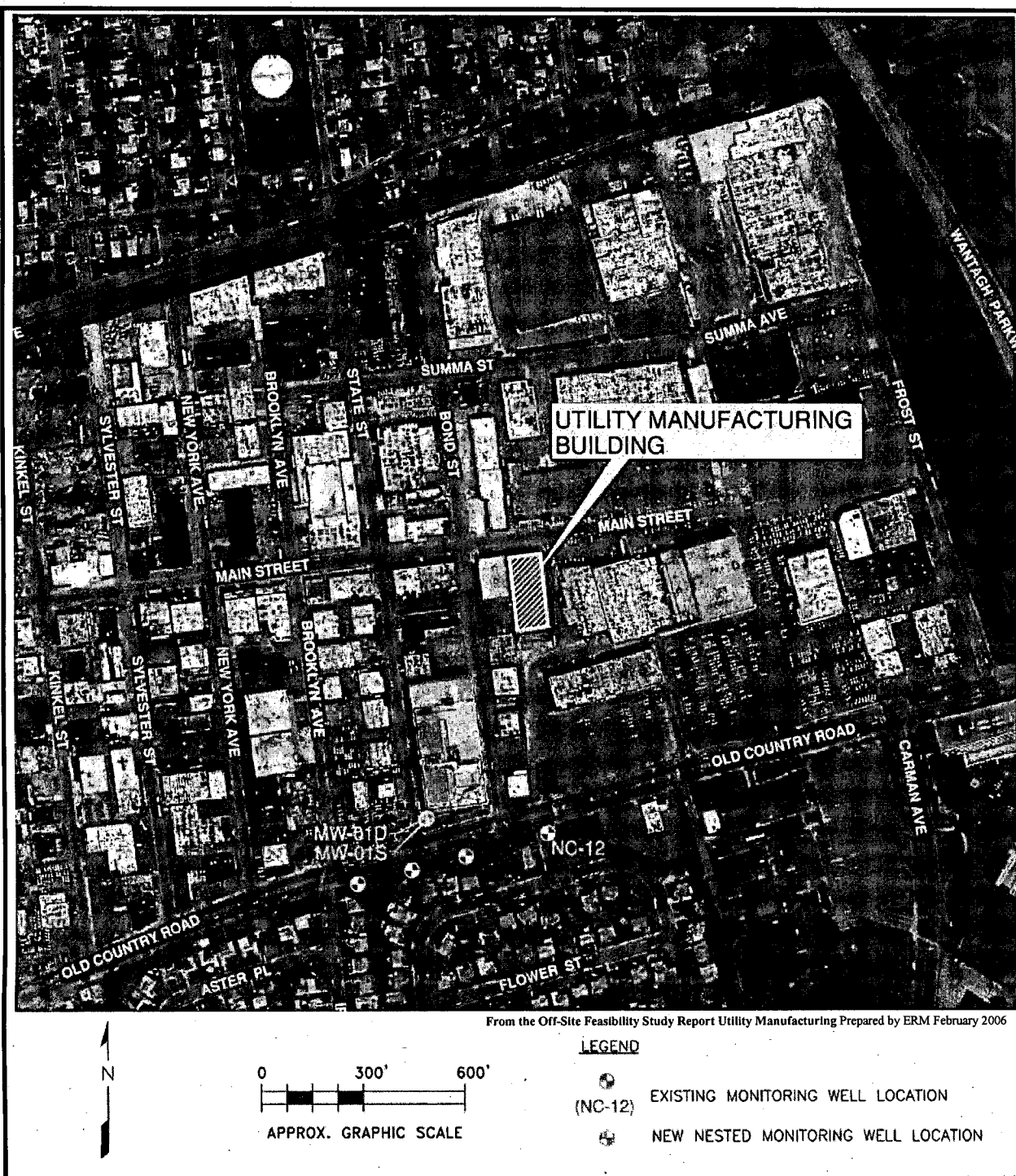
Claire Hunt
Project Manager



300 Broadacres Drive,
Bloomfield, New Jersey 07003

ENVIRONMENTAL/CONSULTING ENGINEERS

	PROJECT: REMEDIAL DESIGN/ CONSTRUCTION OVERSIGHT Utility Manufacturing/Wonder King, OU2 700 - 712 Main Street, Westbury, New York	SITE LOCATION MAP
		Project No: 95633 Figure No: 1

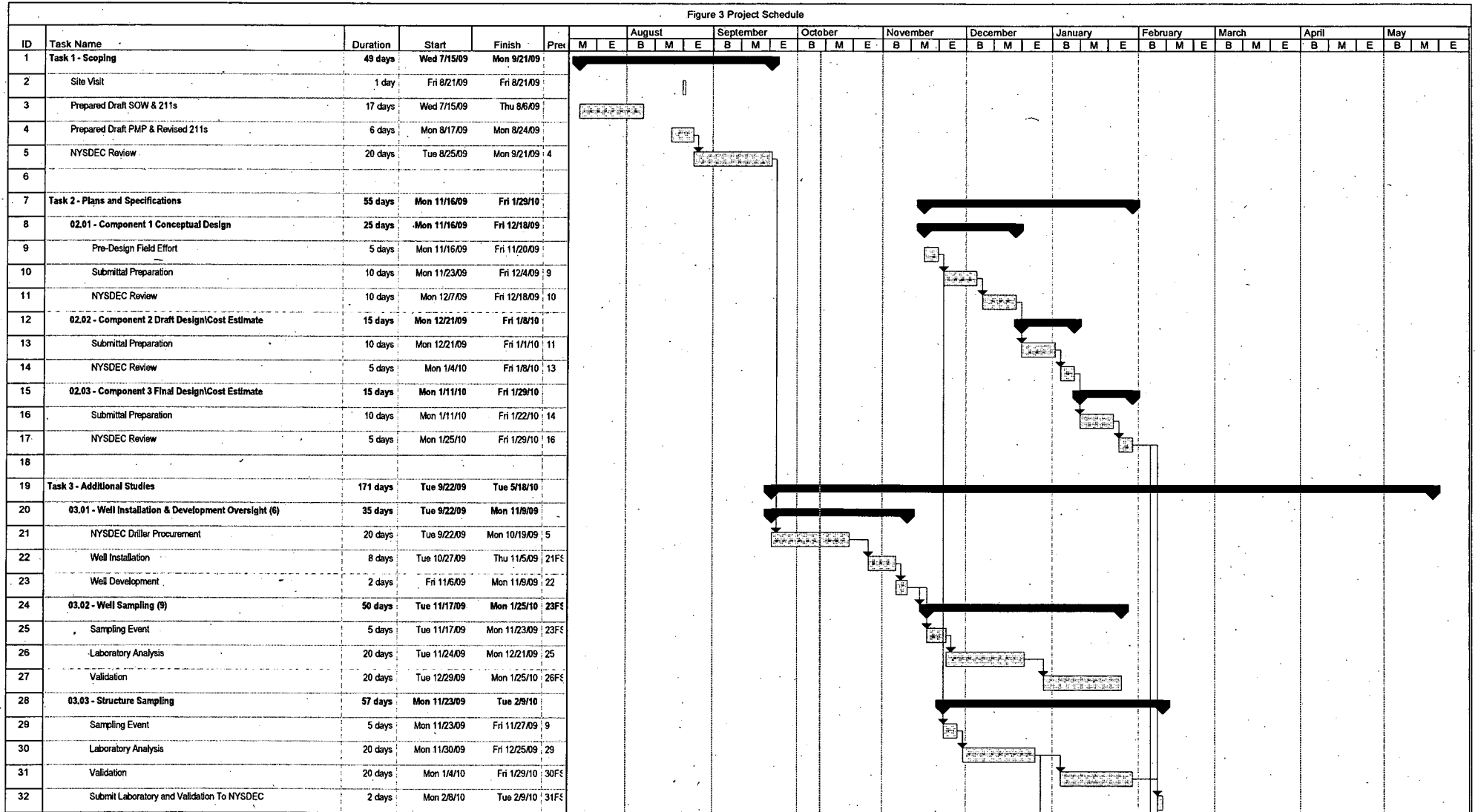


300 Broadacres Drive,
Bloomfield, New Jersey 07003

ENVIRONMENTAL/CONSULTING ENGINEERS

	PROJECT: REMEDIATION DESIGN/ CONSTRUCTION OVERSIGHT Utility Manufacturing/Wonder King, OU2 700 – 712 Main Street, Westbury, New York	Proposed Monitoring Well Locations
		Project No: 95633 Figure No: 2

Figure 3 Project Schedule



Project: Fig 3 Schedule
Date: Fri 10/9/09

Task
Split



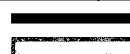
Progress
Milestone

Summary
Rolled Up Task



Rolled Up Split
Rolled Up Milestone

Rolled Up Progress
External Tasks



Project Summary



Figure 3 Project Schedule

[illegible]

Task
Split.



Progress	Milestone
100%	100%



Summary

Rolled Up



Rolled Up Split
Rolled Up Miles



Rolled Up Progress

External Tasks



Project Summary



Figure 4
Organization Chart

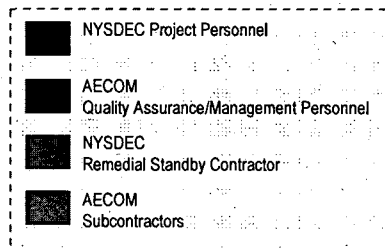
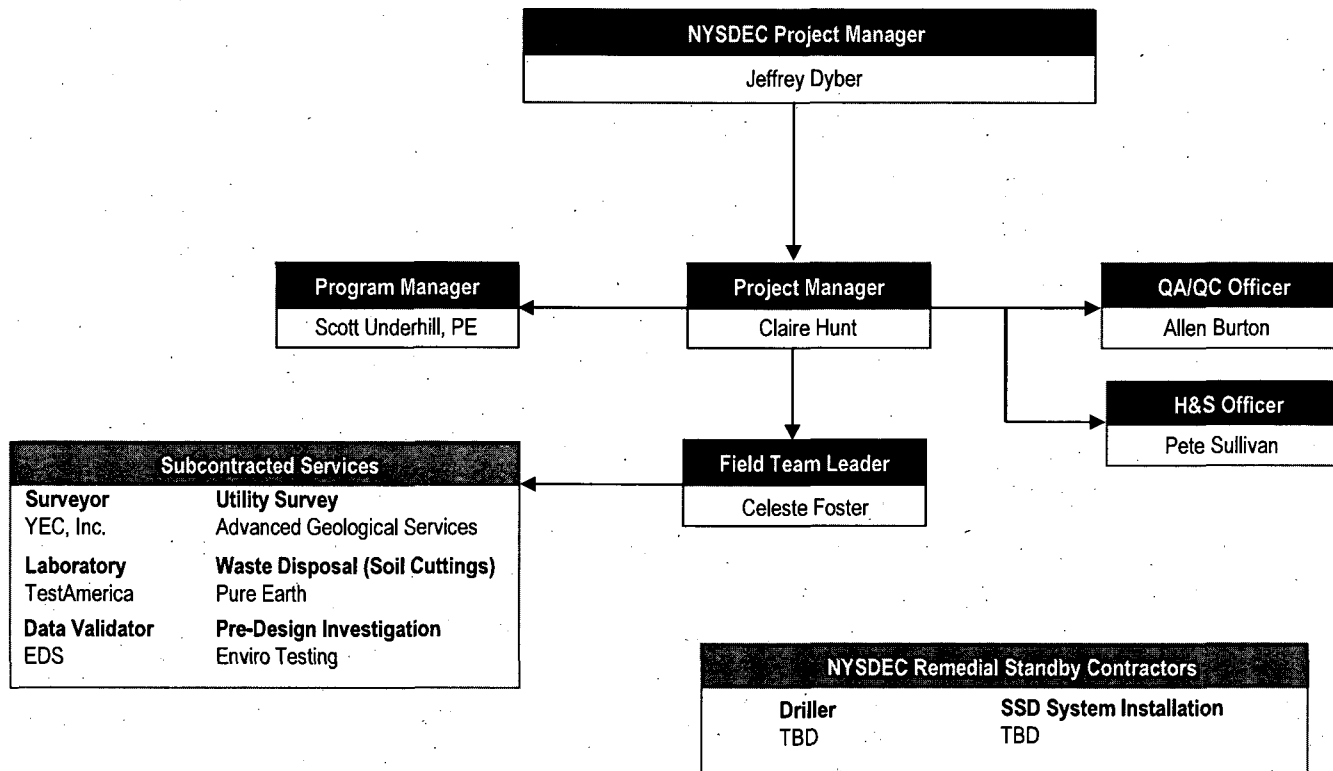


Table 1
Sample Bottle, Volume, Preservation, and Holding Time Summary

MATRIX/ANALYSIS	Sample Prep Method ¹	Analytical Method	Sample Bottles (2)				Minimum Vol Rqd	Preservation (3)	Holding Time (3, 4)		Comment
			Mat'l	Size	Qty	Source			Extraction	Analysis	
Aqueous Samples											
Volatile Organics	SW 846 5030B	SW 846 8260B	G	40 mL	2 or 3	Lab	40 mL	HCl to pH ≤ 2	NA	14 days	
Methane	RSK-175	RSK-175	G	VOA Vial	1	Lab	VOA Vial	HCl to pH ≤ 2	NA	14 days	
Nitrate/Nitrite	353.2	353.2	P	250 mL	10	Lab	250 mL	H2SO4 to pH ≤ 2	NA	28 days	
Carbon Dioxide	RSK-175	RSK-175	G	VOA Vial	1	Lab	VOA Vial	HCl to pH ≤ 2	NA	14 days	
Air Samples											
Volatile Organics	NA	EPA TO-15	SS	6 L	1	Lab	400 mL	None	NA	14 days	Summa canister, batch certified.

(1) Laboratory may propose alternate extraction/preparation methods, subject to AECOM approval.

(2) Bottles as planned by the laboratory.

(3) All samples for chemical analysis should be held at 4 degrees C in addition to any chemical preservation required.

(4) Holding time calculated from day of collection, unless noted as being from time of extraction. Laboratory holding times (ASP 2005, Exhibit I) are two days shorter to allow for field handling and shipping.

(5) Preliminary data to be reported within 14 days of sample receipt.

G = Glass

P = Plastic

SS = Stainless Steel

SW-846: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods. USEPA SW-846. Complete through Update IIIB, November 2004.

EPA = Compendium of Methods for the Determination of Toxic Organics in Air, Second Edition (EPA/625/R-96/010b; 1999)

Table 2
Quality Assurance Project Plan

Field Sample and QA/QC Sample Off-Site Laboratory Quantity Summary

MATRIX/ANALYSIS	Analytical Method	Laboratory	Reporting Limit -Typical (units as specified)	Field Sample Quantity ¹	Matrix Spike (MS) or LCS	MS Duplicate or Matrix Duplicate	Field Duplicate	Equipment Blank ³	Trip Blank	Total Billable Analyses
Aqueous Samples										
Volatile organics	SW 846 8260B	TestAmerica	1.0 - 5 µg/L (typical)	9	1	1	1	1	2	15
Methane	RSK-175	TestAmerica	1.0 µg/L	9	1	1	1	1	0	13
Nitrate/Nitrite	353.2	TestAmerica	0.0500 mg/L-N	9	1	1	1	1	0	13
Carbon Dioxide	RSK-175	TestAmerica	1000 µg/L	9	1	1	1	1	0	13
Air Samples										
Volatile organics	TO-15	TestAmerica	5 µg/m ³ all parameters except 0.25 µg/m ³ for TCE	12	NA ⁴	NA ⁴	2	NA	NA	14

Notes

- 1 QC quantities shown are typical requirements for each group of 20 or fewer field samples.
- 2 Reporting limits for soils, when adjusted for dry weight, will be higher. Detections above the MDL but less than reporting limits will be reported and flagged estimated (J).
- 3 Field equipment rinsate blank will be collected for soil and groundwater.
- 4 Spikes, LCS, and duplicates are not explicitly required by method TO-15 but are usually included as part the laboratory's analytical QA program.
- 5 Wet chemistry parameters include dissolved oxygen, nitrates, sulfates, dissolved iron, carbon dioxide, and methane.

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.
 SCHEDULE 2.11(a)
 SUMMARY OF WORK ASSIGNMENT PRICE

1.	DIRECT SALARY COSTS (Schedules 2.10(a) and 2.11(b))	30,327																					
2.	INDIRECT COSTS (Schedule 2.10(g))	44,521																					
3.	DIRECT NON-SALARY COSTS (Schedules 2.10(d)(e)(f) and 2.11(c)(d))	10,957																					
SUBCONTRACT COSTS COST-PLUS-FIXED-FEE SUBCONTRACTS (Schedule 2.10(e) and 2.11(e))																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">NAME OF SUBCONTRACTOR</th><th style="width: 33%;">SERVICES TO BE PERFORMED</th><th style="width: 33%;">SUBCONTRACT PRICE</th></tr> </thead> <tbody> <tr> <td>YEC, Inc</td><td>Engineering Support Services</td><td>9,564</td></tr> </tbody> </table>			NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE	YEC, Inc	Engineering Support Services	9,564															
NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE																					
YEC, Inc	Engineering Support Services	9,564																					
4.	TOTAL COST-PLUS-FIXED-FEE SUBCONTRACTS	9,564																					
UNIT PRICE SUBCONTRACTS (Schedule 2.10(f) and 2.11(f))																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">NAME OF SUBCONTRACTOR</th><th style="width: 33%;">SERVICES TO BE PERFORMED</th><th style="width: 33%;">SUBCONTRACT PRICE</th></tr> </thead> <tbody> <tr> <td>Test America</td><td>Lab/Sampling</td><td>10,173</td></tr> <tr> <td>EDS (WBE)</td><td>Data Validation</td><td>576</td></tr> <tr> <td>Advanced Geological Services</td><td>Survey</td><td>1,200</td></tr> <tr> <td>Enviro Testing</td><td>Pre-Design Survey Services</td><td>7,296</td></tr> <tr> <td>Pure Earth</td><td>Disposal</td><td>9,641</td></tr> <tr> <td colspan="2">Subcontract mgmt fee</td><td>537</td></tr> </tbody> </table>			NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE	Test America	Lab/Sampling	10,173	EDS (WBE)	Data Validation	576	Advanced Geological Services	Survey	1,200	Enviro Testing	Pre-Design Survey Services	7,296	Pure Earth	Disposal	9,641	Subcontract mgmt fee		537
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Enviro Testing	Pre-Design Survey Services	7,296																					
Pure Earth	Disposal	9,641																					
Subcontract mgmt fee		537																					
5.	TOTAL UNIT PRICE SUBCONTRACTS	29,423																					
6.	TOTAL SUBCONTRACT COSTS (Lines 4 + 5)	38,987																					
7.	FIXED FEE (Schedule 2.10(h))	7,859																					
8.	TOTAL WORK ASSIGNMENT PRICE (Lines 1 + 2+ 3+ 6 + 7)	132,651																					

Work Assignment No: D004436-32
Engineer: AECOM Technical Services Northeast, Inc.
Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

EARTH TECH NORTHEAST, INC.
NSPE
SCHEDULE 2.11(b)
DIRECT LABOR HOURS BUDGETED
TOTAL

LABOR CLASSIFICATION	IX	VIII	VII	VI	V	IV	III	II	I	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
Task 2 - Plans and Specifications	3.00	0.00	3.00	18.00	0.00	160.00	4.00	30.00	0.00	218.00	\$7,136.61
02.01 - Component 1 Conceptual Design	1.00	0.00	1.00	10.00	0.00	80.00	1.00	10.00	0.00	103.00	\$3,397.79
02.02 - Component 2 Draft Design	1.00	0.00	1.00	4.00	0.00	40.00	1.00	10.00	0.00	57.00	\$1,855.09
02.03 - Component 3 Final Design	1.00	0.00	1.00	2.00	0.00	20.00	1.00	10.00	0.00	35.00	\$1,127.79
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	2.00	0.00	20.00	1.00	0.00	0.00	23.00	\$755.94
Task 3 - Additional Studies	5.00	0.00	4.00	57.00	0.00	406.00	4.00	76.00	0.00	552.00	\$18,066.05
03.01 - Well Installation & Development Oversight	1.00	0.00	0.00	10.00	0.00	88.00	1.00	36.00	0.00	136.00	\$4,259.10
03.02 - Well Sampling (9)	1.00	0.00	0.00	0.00	0.00	40.00	1.00	0.00	0.00	42.00	\$1,374.08
03.03 - Structure Sampling	1.00	0.00	0.00	5.00	0.00	40.00	1.00	0.00	0.00	47.00	\$1,594.33
03.04 - SSDS Installation Oversight	1.00	0.00	0.00	24.00	0.00	160.00	1.00	0.00	0.00	186.00	\$6,266.48
03.05 - SSDS Information Package Preparation	0.00	0.00	2.00	8.00	0.00	68.00	0.00	0.00	0.00	78.00	\$2,629.50
03.06 - Annual Long term Monitoring Report	1.00	0.00	2.00	10.00	0.00	10.00	0.00	40.00	0.00	63.00	\$1,942.56
TOTAL LABOR HOURS	10.00	0.00	7.00	115.00	60.00	586.00	16.00	106.00	0.00	900.00	
TOTAL LABOR DOLLARS	\$670.40	\$0.00	\$363.37	\$5,065.75	\$2,360.40	\$18,728.56	\$458.24	\$2,680.74	\$0.00		\$30,327.46

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2009

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$67.04	VIII \$65.55	VII \$51.91	VI \$44.05	V \$39.34	IV \$31.96	III \$28.64	II \$25.29	I \$17.42	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
Task 2 - Plans and Specifications	3.00	0.00	3.00	18.00	0.00	160.00	4.00	30.00	0.00	218.00	\$7,136.61
02.01 - Component 1 Conceptual Design	1.00	0.00	1.00	10.00	0.00	80.00	1.00	10.00	0.00	103.00	\$3,397.79
02.02 - Component 2 Draft Design	1.00	0.00	1.00	4.00	0.00	40.00	1.00	10.00	0.00	57.00	\$1,855.09
02.03 - Component 3 Final Design	1.00	0.00	1.00	2.00	0.00	20.00	1.00	10.00	0.00	35.00	\$1,127.79
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	2.00	0.00	20.00	1.00	0.00	0.00	23.00	\$755.94
Task 3 - Additional Studies	5.00	0.00	4.00	57.00	0.00	406.00	4.00	76.00	0.00	552.00	\$18,066.05
03.01 - Well Installation & Development Oversight	1.00	0.00	0.00	10.00	0.00	88.00	1.00	36.00	0.00	136.00	\$4,259.10
03.02 - Well Sampling (9)	1.00	0.00	0.00	0.00	0.00	40.00	1.00	0.00	0.00	42.00	\$1,374.08
03.03 - Structure Sampling	1.00	0.00	0.00	5.00	0.00	40.00	1.00	0.00	0.00	47.00	\$1,594.33
03.04 - SSDS Installation Oversight	1.00	0.00	0.00	24.00	0.00	160.00	1.00	0.00	0.00	186.00	\$6,266.48
03.05 - SSDS Information Package Preparation	0.00	0.00	2.00	8.00	0.00	68.00	0.00	0.00	0.00	78.00	\$2,629.50
03.06 - Annual Long term Monitoring Report	1.00	0.00	2.00	10.00	0.00	10.00	0.00	40.00	0.00	63.00	\$1,942.56
TOTAL LABOR HOURS	10.00	0.00	7.00	115.00	60.00	586.00	16.00	106.00	0.00	900.00	
TOTAL LABOR DOLLARS	\$670.40	\$0.00	\$363.37	\$5,065.75	\$2,360.40	\$18,728.56	\$458.24	\$2,680.74	\$0.00		\$30,327.46

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.
 SCHEDULE 2.11(b-1)
 DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED

LABOR CLASSIFICATION Avg Labor rate 200 - 2011	IX \$69.08	VIII \$67.55	VII \$53.49	VI \$45.39	V \$40.54	IV \$32.94	III \$29.52	II \$26.06	I \$17.95	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$164.47
	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$164.47
Task 2 - Plans and Specifications	4.00	0.00	0.00	0.00	0.00	8.00	8.00	0.00	0.00	20.00	\$775.92
02.01 - Component 1 Conceptual Design	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$193.98
02.02 - Component 2 Draft Design	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$0.00
02.03 - Component 3 Final Design	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$0.00
02.04 - Component 4 Project Cost Estimate	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$7.00
Task 3 - Additional Studies	2.00	0.00	0.00	0.00	0.00	4.00	3.00	0.00	0.00	9.00	\$358.45
03.01 - Well Installation & Development Oversight	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$193.98
03.02 - Well Sampling (9)	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$0.00
03.03 - Structure Sampling	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$0.00
03.04 - SSDS Installation Oversight	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$6.00
03.05 - SSDS Information Package Preparation	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$6.00
03.06 - Annual Long term Monitoring Report	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$164.47
TOTAL LABOR HOURS		0.00	0.00	0.00	0.00	14.00	12.00	0.00	0.00	33.00	\$1,298.83

Subject to contract allowability, project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
 - Conflict of Interest Check
 - Develop budget schedules and supporting documentation
2. Review work assignment (WA) progress
 - Conduct progress reviews
 - Prepare monthly project report and update WA progress schedule
 - M/WBE Activities
 - Program Management
 - Manage Subcontracts

3. CAP Preparation
 - Prepare monthly cost control report and CAP
 - Oversee CAP preparation
4. Miscellaneous
 - NSPE List Updates
 - Equipment use and inventory
 - Word Processing and Report Preparation

Contract/Project administration hours would not include activities such as:

1. QA/QC reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development (other than COI and budget preparation)
5. Review of deliverables

MONTHLY COST CONTROL REPORT
SCHEDULE 2.11(h)
SUMMARY OF LABOR HOURS
NUMBER OF DIRECT LABOR HOURS EXPENDED TO DATE/
ESTIMATED NUMBER OF DIRECT LABOR HOURS TO COMPLETION

TASK NO.	LABOR CLASS		IX		VIII		VII		VI		V		IV		III		II		I		TOTAL NO. OF DIRECT LABOR HOUR	
	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.
Task 1 - Scoping		2.0		0.0		0.0		40.0		60.0		20.0		8.0		0.0		0.0		0.0		130.0
		2.0		0.0		0.0		40.0		60.0		20.0		8.0		0.0		0.0		0.0		130.0
Task 2 - Plans and Specifications		3.0		0.0		3.0		18.0		0.0		160.0		4.0		30.0		0.0		0.0		218.0
02.01 - Component 1 Conceptual Design		1.0		0.0		1.0		10.0		0.0		80.0		1.0		10.0		0.0		0.0		103.0
02.02 - Component 2 Draft Design		1.0		0.0		1.0		4.0		0.0		40.0		1.0		10.0		0.0		0.0		57.0
02.03 - Component 3 Final Design		1.0		0.0		1.0		2.0		0.0		20.0		1.0		10.0		0.0		0.0		35.0
02.04 - Component 4 Project Cost Estimate		0.0		0.0		0.0		2.0		0.0		20.0		1.0		0.0		0.0		0.0		23.0
Task 3 - Additional Studies		5.0		0.0		4.0		57.0		0.0		406.0		4.0		76.0		0.0		0.0		552.0
03.01 - Well Installation & Development Oversight (6)		1.0		0.0		0.0		10.0		0.0		88.0		1.0		36.0		0.0		0.0		136.0
03.02 - Well Sampling (9)		1.0		0.0		0.0		0.0		0.0		40.0		1.0		0.0		0.0		0.0		42.0
03.03 - Structure Sampling		1.0		0.0		0.0		5.0		0.0		40.0		1.0		0.0		0.0		0.0		47.0
03.04 - SSDS Installation Oversight		1.0		0.0		0.0		24.0		0.0		160.0		1.0		0.0		0.0		0.0		186.0
03.05 - SSDS Information Package Preparation		0.0		0.0		2.0		8.0		0.0		68.0		0.0		0.0		0.0		0.0		78.0
03.06 - Annual Long term Monitoring Report		1.0		0.0		2.0		10.0		0.0		10.0		0.0		40.0		0.0		0.0		63.0
TOTAL		10.0		0.0		7.0		115.0		60.0		586.0		16.0		106.0		0.0		0.0		900.0

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.
 SCHEDULE 2.11(c1)
 DIRECT NON-SALARY COSTS

ITEM	MAXIMUM REIMBURSEMENT RATE	UNIT	ESTIMATED NUMBER OF UNITS	TOTAL ESTIMATED COST
ODC				
Truck Mileage/Tolls				
Task 1 - Scoping				
Mileage	\$0.550	per mile	200	\$110.00
Toll	\$14.000	trip	2	\$28.00
Mileage	\$0.550	per mile	0	\$0.00
			Task 1 TTL	\$138.00
Task 2 - Plans and Specifications				
02.01 - Component 1 Conceptual Design				
Mileage	\$0.550	per mile	500	\$275.00
Toll	\$14.000	trip	5	\$70.00
			Task 02.01 TTL	\$345.00
Task 3 - Additional Studies				
03.01 - Well Installation & Development Oversight (6)				
Mileage	\$0.550	per mile	1,200	\$660.00
Toll	\$14.000	trip	12	\$168.00
			Task 03.01 TTL	\$828.00
03.02 - Well Sampling (9)				
Van Rental	\$110.000	day	3	\$330.00
Gas for Van	\$0.30	miles	300	\$90.00
Toll	\$14.000	trip	3	\$42.00
			Task 03.02 TTL	\$462.00
03.03 - Structure Sampling				
Van Rental	\$110.000	day	4	\$440.00
Gas for Van	\$0.30	miles	400	\$120.00
Toll	\$14.000	trip	4	\$56.00
			Task 03.03 TTL	\$616.00
03.04 - SSDS Installation Oversight				
Mileage	\$0.550	per mile	1,600	\$880.00
Toll	\$14.000	trip	16	\$224.00
			Task 03.04 TTL	\$1,104.00
			Direct Non-Salary Total	\$3,493.00

Work Assignment No: D004436-32
Engineer: AECOM Technical Services Northeast, Inc.
Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
Project No:
Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.
SCHEDULE 2.11(c2)
DIRECT NON-SALARY COSTS

ITEM	MAXIMUM REIMBURSEMENT RATE	UNIT	ESTIMATED NUMBER OF UNITS	TOTAL ESTIMATED COST
ODC				
In House Costs				
Task 1 - Scoping				
Level D Equipment	\$15.00	day	2	\$30.00
Low Value Equipment	\$0.80	hr	2	\$1.60
Task 1 TTL				\$31.60
Task 2 - Plans and Specifications				
02.01 - Component 1 Conceptual Design				
Level D Equipment	\$15.00	day	5	\$75.00
Printing B&W cost (8.5X11)	\$0.03	page	6,000	\$180.00
Printing Color cost (8.5X11)	\$1.00	page	200	\$200.00
Low Value Equipment	\$0.80	hr	40	\$32.00
Task 02.01 TTL				\$487.00
02.02 - Component 2 Draft Design				
Printing B&W cost (8.5X11)	\$0.03	page	1,000	\$30.00
Printing Color cost (8.5X11)	\$1.00	page	20	\$20.00
Task 02.02 TTL				\$50.00
02.03 - Component 3 Final Design				
Printing B&W cost (8.5X11)	\$0.03	page	1,000	\$30.00
Printing Color cost (8.5X11)	\$1.00	page	20	\$20.00
Task 02.03 TTL				\$50.00
02.04 - Component 4 Project Cost Estimate				
Printing B&W cost (8.5X11)	\$0.03	page	100	\$3.00
Task 02.04 TTL				\$3.00
Task 3 - Additional Studies				
03.01 - Well Installation & Development Oversight (6)				
Level D Equipment	\$15.00	day	12	\$180.00
Low Value Equipment	\$0.80	hr	120	\$96.00
Task 03.01 TTL				\$276.00
03.02 - Well Sampling (9)				
Level D Equipment	\$15.00	day	3	\$45.00
Low Value Equipment	\$0.80	hr	24	\$19.20
Task 03.02 TTL				\$64.20
03.03 - Structure Sampling				
Level D Equipment	\$15.00	day	4	\$60.00
Low Value Equipment	\$0.80	hr	32	\$25.60
Task 03.03 TTL				\$85.60
03.04 - SSDS Installation Oversight				
Level D Equipment	\$15.00	day	16	\$240.00
Low Value Equipment	\$0.80	hr	128	\$102.40
Task 03.04 TTL				\$342.40
03.05 - SSDS Information Package Preparation				
Printing B&W cost (8.5X11)	\$0.03	page	150	\$4.50
Printing Color cost (8.5X11)	\$1.00	page	15	\$15.00
Task 03.05 TTL				\$19.50
03.06 - Annual Long term Monitoring Report				
Printing B&W cost (8.5X11)	\$0.03	page	1,000	\$30.00
Printing Color cost (8.5X11)	\$1.00	page	50	\$50.00
Task 03.06 TTL				\$80.00
Direct Non-Salary Total				\$1,489.30

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(d)3

Vendor Rented Equipment

ITEM	ESTIMATED QUANTITY	UNIT	COST	TOTAL BUDGET COST
ODC				
Vendor Rented Equipment				
Task 3 - Additional Studies				
03.01 - Well Installation & Development Oversight (6)				
a Water Level Indicator/Interface Probe	3	week	\$150.00	\$450.00
b PID	3	week	\$175.00	\$525.00
c YSI for Water Development	1	week	\$500.00	\$500.00
			Task 03.01 TTL	\$1,475.00
03.02 - Well Sampling (9)				
a Water Quality Meter (DO)	1.00	week	\$400.00	\$400.00
b Water Quality Meter (Sulfate/Iron)	1.00	week	\$75.00	\$75.00
c Water Quality Reagents	1.00	ea	\$940.00	\$940.00
d Water Level Indicator/Interface Probe	1.00	week	\$150.00	\$150.00
e QED Bladder Pump	1.00	week	\$150.00	\$150.00
f QED MP10 control unit	1.00	week	\$60.00	\$60.00
g QED 3020 Compressor	1.00	week	\$75.00	\$75.00
h PID	1.00	week	\$175.00	\$175.00
i Booster Pack Battery	1.00	week	\$30.00	\$30.00
			Task 03.02 TTL	\$2,055.00
03.03 - Structure Sampling				
a PID	1.00	week	\$175.00	\$175.00
b Equipment for Permanent SubSlab Points	50.00	ea	\$3.00	\$150.00
				\$325.00
			Vendor Rented Equipment Total	\$3,855.00

Site ID No: 130043H

Date Prepared: 10/15/09

SITE-DEDICATED EQUIPMENT

ITEM	ESTIMATED QUANTITY	UNIT	COST	TOTAL BUDGET COST
ODC				
Dedicated Equipment				
Task 2 - Plans and Specifications				
02.01 - Component 1 Conceptual Design				
Field Note book	1.00	unit	11.00	\$11.00
Site Dedicated Equipmnt Total				\$11.00

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(d)5

CONSUMABLE SUPPLIES

ITEM	ESTIMATED QUANTITY		UNIT COST	TOTAL BUDGET COST
ODCs Ice/Misc Field Supplies/Shipping				
Task 3 - Additional Studies				
03.02 - Well Sampling (9)				
Teflon Tubing	1080	feet	\$1.40	\$1,512.00
Pump Changeout Kit	9	set	\$40.00	\$360.00
Air Tubing	1080	feet	\$0.20	\$216.00
			Task 03.02 TTL	\$2,088.00
03.03 - Structure Sampling				
Teflon Tubing	15	feet	\$1.40	\$21.00
			Task 03.02 TTL	\$21.00
	Consumable Supplies Total			\$2,109.00

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 10/15/09

CostFixedFee Company Name
 SCHEDULE 2.11(e)
 COST-PLUS-FIXED-FEE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE
YEC, Inc	Engineering Support Services	\$9,563.60

A. Direct Salary Costs 2006 - 2009

Professional Responsibility Level	Labor Classification					Estimated No. of Hours	Total Estimated Direct Salary Cost
Title Here	NSPE IX					0.00	\$0.00
Principal	NSPE VIII					0.00	\$0.00
	NSPE VII					0.00	\$0.00
	NSPE VI					0.00	\$0.00
Sr Geologist/Scientist/Eng	NSPE V					6.00	\$262.02
Staff Geologist/Scientist/E	NSPE IV					4.00	\$151.72
Staff Geologist/Eng/CAD	NSPE III					86.00	\$2,832.84
Sr Technician/Staff Engin	NSPE II					0.00	\$0.00
Technician/Draftsperson	NSPE I					10.00	\$220.70
Total Direct Salary Costs						106	\$3,467.28

B. Indirect Costs

Indirect costs shall be paid based on a percentage of direct salary costs incurred which shall not exceed a maximum of 117% or the actual rate calculated in accordance with 48 CFR Federal Acquisition Regulation, whichever is lower.

Budget for indirect costs is: \$4,056.72

C. Maximum Reimbursement Rates for Direct Non-Salary Costs

Item	Maximum Reimbursement Rate (Specify Unit)			Estimated No. of Units	Total Estimated Costs
Travel Costs					
Task 3 - Additional Studies					
03.01 - Well Installation & Development Oversight (6)					
Mileage	\$0.55	miles/trip	(8 trips)	960	\$528.00
Tolls	\$18.50	day		8	\$148.00
Level D	\$10.00	mnday		7	\$70.00
Survey Equipment Rental	\$65.00	day		1	\$65.00
CAD Equipment	\$15.00	hour		0	\$0.00
GPS Tie-In	\$0.00	lump		1	\$0.00
Misc Materials	\$100.00	lump		1	\$100.00
					\$911.00
Total Direct Non-Salary Costs					\$911.00

D. Fixed Fee (15%)

The fixed fee is \$1,128.60

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 10/15/09

Cost Plus Fixed Fee
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 TOTAL

LABOR CLASSIFICATION	IX	VIII	VII	VI	V	IV	III	II	I	LABOR HOURS	DIRECT LABOR
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$262.02	\$151.72	\$2,832.84	\$0.00	\$220.70		\$3,467.28

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 10/15/09

Cost Plus Fixed Fee
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2009

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$0.00	VIII \$64.40	VII \$0.00	VI \$0.00	V \$43.67	IV \$37.93	III \$32.94	II \$24.36	I \$22.07	LABOR HOURS	DIRECT LABOR
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$262.02	\$151.72	\$2,832.84	\$0.00	\$220.70		\$3,467.28

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Test America	Lab/Sampling	\$508.64	0	\$10,172.50

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5%		Total Estimated Costs
			Calculated	Validated	
Task 3 - Additional Studies					
03.01 - Well Installation & Development Oversight (6)					
Waste Characterization					
PP VOA	\$135.00 sample	1	\$6.75	\$6.75	\$135.00
DRO	\$112.50 sample	1	\$5.63	\$5.63	\$112.50
PCBs	\$100.00 sample	1	\$5.00	\$5.00	\$100.00
TCLP Metals	\$90.00 sample	1	\$4.50	\$4.50	\$90.00
Ignitability	\$25.00 sample	1	\$1.25	\$1.25	\$25.00
Paint Filter Test	\$25.00 sample	1	\$1.25	\$1.25	\$25.00
pH	\$12.50 sample	1	\$0.63	\$0.63	\$12.50
Reac CN	\$43.75 sample	1	\$2.19	\$2.19	\$43.75
Reac S	\$43.75 sample	1	\$2.19	\$2.19	\$43.75
TCLP Prep	\$60.00 sample	1	\$3.00	\$3.00	\$60.00
				\$32.39	\$647.50
03.02 - Well Sampling (9)					
Groundwater Sampling					
SW846 8260B					
(9 fld, 1f ld dup, 1 MS, 1 MSD, 1 Equip blnk, 2 Trip blnks)	\$85.00 sample	15	\$63.75	\$63.75	\$1,275.00
Nitrates(335.2 method)	\$25.00 sample	15	\$18.75	\$0.00	\$375.00
Carbon dioxide(RSK-175)	\$80.00 sample	15	\$60.00	\$0.00	\$1,200.00
Methane(category A)	\$125.00 sample	15	\$93.75	\$0.00	\$1,875.00
Shippng charge	\$100.00 shipment	4	\$20.00	\$20.00	\$400.00
				\$256.25	\$5,125.00
03.03 - Structure Sampling					
Air Sampling					
TO-15 ASP CAT B (12 field, 2 field dups)	\$225.00 sample	16	\$180.00	\$180.00	\$3,600.00
Flow Controller per sample	\$25.00 sample	16	\$20.00	\$20.00	\$400.00
Shipping per sample	\$25.00 sample	16	\$20.00	\$20.00	\$400.00
				\$220.00	\$4,400.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals				\$508.64	\$10,172.50

Air Sampling	Indoor Air	Outdoor Air	Duplicate	SubSlab
Property 2	2	1	1	1
Property 6	3	1	1	1
Property 9	2	1		1

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.
 SCHEDULE 2.11(f)
 UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
EDS (WBE)	Data Validation	\$28.80	1	\$576.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5%		Total Estimated Costs
			Calculated	Validated	
Task 3 - Additional Studies					
03.02 - Well Sampling (9)					
Groundwater Sampling					
Analysis 15+3 extra for additional analysis	\$18.00 sample	18	\$16.20	\$16.20 \$16.20	\$324.00 \$324.00
03.03 - Structure Sampling					
Air Sampling					
Analysis 11+5 SubSlab+2 extra for additional analysis	\$14.00 event	18	\$12.60	\$12.60 \$12.60	\$252.00 \$252.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals				\$28.80	\$576.00

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Advanced Geological Services	Survey	\$0.00	0	\$1,200.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
Task 3 - Additional Studies 03.01 - Well Installation & Development Oversight (6) 1/2 day (4hour) Field Day	\$1,200.00 event	1	\$60.00	\$0.00 \$0.00	\$1,200.00 \$1,200.00
Sub Con Mgmt Rules MWBE always 5% Others 5% only when >10,000					
		Allowable Totals		\$0.00	\$1,200.00

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Enviro Testing	Pre-Design Survey Services	\$0.00	0	\$7,296.25

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
Task 2 - Plans and Specifications					
02.01 - Component 1 Conceptual Design					
Labor	\$850.00 day	5	\$212.50	\$0.00	\$4,250.00
Travel	\$0.55 mile	425	\$11.69	\$0.00	\$233.75
Vehicle	\$262.50 day	5	\$65.63	\$0.00	\$1,312.50
Lodging/PerDiem	\$300.00 day	5	\$75.00	\$0.00	\$1,500.00
				\$0.00	\$7,296.25
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
		Allowable Totals		\$0.00	\$7,296.25

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Pure Earth	Disposal	\$0.00	0	\$9,640.92

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5%		Total Estimated Costs
			Calculated	Validated	
Task 3 - Additional Studies					
03.01 - Well Installation & Development Oversight (6)					
HAZ Disposal	\$95.00 ton	15	\$71.25	\$0.00	\$1,425.00
HAZ Spot Container	\$650.00 ea	2	\$65.00	\$0.00	\$1,300.00
HAZ Transportation to Disposal Facility	\$2,300.00 ea	2	\$230.00	\$0.00	\$4,600.00
HAZ Roll Off rental	\$20.00 day	21	\$21.00	\$0.00	\$420.00
HAZ Liner	\$45.00 ea	2	\$4.50	\$0.00	\$90.00
HAZ Demurrage	\$85.00 hr	2	\$8.50	\$0.00	\$170.00
HAZ Drums	\$300.00 ea	5	\$75.00	\$0.00	\$1,500.00
HAZ Tax 1.43%	\$135.92 tax	1	\$6.80	\$0.00	\$135.92
				\$0.00	\$9,640.92
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals				\$0.00	\$9,640.92

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Total Assignment

Page 1 of 6

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							\$30,327.46	
2 Indirect Costs							\$44,520.73	
3 Subtotal Direct Salary Costs and Indirect Costs							\$74,848.19	
4 Travel							\$4,982.30	
5 Other Non- Salary Costs							\$5,975.00	
6 Subtotal Direct Non-Salary Costs							\$10,957.30	
7 Subcontractors							\$38,449.27	
8 Total Work Assignment Cost							\$124,254.76	
9 Fixed Fee							\$7,859.07	
9A Subcon. Mgmt. Fee							\$537.44	
10 Total Work Assignment Price							\$132,651.27	

Project Manager (Engineer) _____

Date _____

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Task 1 - Scoping

Page 2 of 6

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							\$5,124.80	
2 Indirect Costs							\$7,523.21	
3 Subtotal Direct Salary Costs and Indirect Costs							\$12,648.01	
4 Travel							\$169.60	
5 Other Non-Salary Costs							\$0.00	
6 Subtotal Direct Non-Salary Costs							\$169.60	
7 Subcontractors							\$0.00	
8 Total Work Assignment Cost							\$12,817.61	
9 Fixed Fee							\$1,328.04	
9A Subcon. Mgmt. Fee							\$0.00	
10 Total Work Assignment Price							\$14,145.65	

Project Manager (Engineer) _____

Date _____

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Task 2 - Plans and Specifications

Page 3 of 6

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							\$7,136.61	
2 Indirect Costs							\$10,476.55	
3 Subtotal Direct Salary Costs and Indirect Costs							\$17,613.16	
4 Travel							\$935.00	
5 Other Non-Salary Costs							\$11.00	
6 Subtotal Direct Non-Salary Costs							\$946.00	
7 Subcontractors							\$7,296.25	
8 Total Work Assignment Cost							\$25,855.41	
9 Fixed Fee							\$1,849.38	
9A Subcon. Mgmt. Fee							\$0.00	
10 Total Work Assignment Price							\$27,704.79	

Project Manager (Engineer) _____

Date _____

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 10/15/09

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Task 3 - Additional Studies

Page 4 of 6

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							\$18,066.05	
2 Indirect Costs							\$26,520.97	
3 Subtotal Direct Salary Costs and Indirect Costs							\$44,587.02	
4 Travel							\$3,877.70	
5 Other Non- Salary Costs							\$5,964.00	
6 Subtotal Direct Non-Salary Costs							\$9,841.70	
7 Subcontractors							\$31,153.02	
8 Total Work Assignment Cost							\$85,581.74	
9 Fixed Fee							\$4,681.65	
9A Subcon. Mgmt. Fee							\$537.44	
10 Total Work Assignment Price							\$90,800.83	

Project Manager (Engineer) _____

Date _____

Cost Review for Work Plan or Amendment

Contractor Name: AECOM Technical Services, Inc.
WA # and Name: D004436-32 Utility Mfg/Wonder King

Date: 9/1/09
Reviewer: ATE/SU

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

4.	Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts			
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted.	x		
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.	x		
	A breakdown of direct non-salary costs is provided.	x		
	Total subcontract cost matches amount on Schedule 2.11(a).	x		
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.			NA
	Subcontractor certification(s) have been submitted.	x		
5.	Schedule 2.11(f) - Unit Price Subcontracts			
	There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	x		
	<i>Standby Drillers</i> (Two phase process) - Costs from at least 3 standbys (or additional quotes from non-standby drillers) are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected.			NA
	<i>Standby Labs and Data Validators</i> (rotate use) - Unit costs match those in contract(s).	x		
	<i>M/WBE</i> - Cost reasonableness of sole/single source M/WBE contracts <\$10k are documented by an engineer's estimate.			NA
	Cost reasonableness of sole/single source contracts are documented by an engineer's estimate or other cost comparisons (e.g., historical costs, pricing guides).			NA
	Placeholders are used only for non-standby subcontractors.			NA
	Cost reasonableness of placeholder subcontractors are documented by an engineer's estimate or other cost comparisons.			NA
	Correct management fee is calculated only on non-professional unit priced subs >\$10k and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors unless the contract specifically allows it.)	x		
	Total subcontract costs match the amounts on Schedule 2.11(a).	x		
	Justification is attached for subcontracts >\$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, other construction-type activities) must be competitively bid unless otherwise approved			NA
	Subcontractor certification(s) have been submitted.	x		
6.	Schedule 2.11(g) - Cost Control Report			
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).			
7.	Schedule 2.11(g) Supplemental - Cost Control Report (subs)			
	Schedules include all applicable subcontracts and management fees (for unit price only).	x		

8.	Schedule 2.11(a)		
	Rates for indirect and fixed fee match contract rates.	x	
	All numbers rolled up into Schedule 2.11(a) add up.	x	

Rev. 12/22/08

Schedule 2.11 (e)
Cost Plus Fixed-Fee Subcontracts

North Hempstead (Westbury) Survey and Sampling

August 6, 2009

<u>NAME OF SUBCONTRACTOR</u>	<u>SERVICES TO BE PERFORMED</u>	<u>SUBCONTRACT PRICE</u>
YEC, INC.	Engineering Support Services	\$9,563.60

A. Direct Salary Costs

<u>Professional Responsibility Level</u>	<u>Labor Classification</u>	<u>Average Reimbursement Rate (\$/Hr.)</u>	<u>Maximum Reimbursement Rate (\$/Hr.)</u>	<u>Estimated Number of Hours</u>	<u>Total Estimated Direct Salary Cost (\$)</u>
Principal	VIII	2009 64.40	2009 64.40	0	0.00
Senior Geologist/Scientist/ Engineer/ Licensed Surveyor	V	2009 43.67	2009 48.03	6	262.02
Staff Geologist/ Scientist/Engineer	IV	2009 37.93	2009 41.74	4	151.72
Staff Geologist/ Scientist/Engineer/CAD Operator	III	2009 32.94	2009 36.55	86	2,832.84
Senior Technician/Staff Engineer/Scientist/Geologist	II	2009 24.36	2009 27.30	0	0.00
Technician/Draftsperson	I	2009 22.07	2009 24.73	10	220.70
Total Direct Salary Costs:					3,467.28

B. Indirect Costs - 117% of direct salary cost

Indirect Costs: 4,056.72

C. Maximum Reimbursement Rates for Direct Non-Salary Costs:

<u>Item</u>	<u>Maximum Reimbursement Rate</u>	<u>Estimated No. of Units</u>	
Mileage	0.55 /mi.	120 miles/trip	8 trips 528.00
Tolls	18.5 /day	8 trips	148.00
Level D	10 /mnday	7 mndays	70.00
Survey Equipment Rental	65.00 /day	1 days	65.00
CAD Equipment	15.00 /hour	0 hours	0.00
GPS Tie-In	0.00 /lump sum	1 lump sum	0.00
Misc materials	100 /lump sum	1 lump sum	100.00
Total Direct Non Salary Costs:			911.00

D. Fixed Fee (15% of Total Direct and Indirect Salary Costs)

Fixed Fee: 1,128.60

Assumptions:

Existing tie-in to be used	1 day for Survey
Point file submission, no map	3 days for Well Sampling
AECOM supplies sampling equip.	4 days for Structure Sampling

Pre-Design Support Subcontractor

	Unit Cost	Unit	Qty	Total
Alliance Water	1,500.00	Day	5	7,500.00
US Radon	7,500.00	LS	1	7,500.00
Enviro Testing				7,296.25
Labor	850.00	Day	5	4,250.00
Travel	0.55	mile	425	233.75
Vehicle	262.50	Day	5	1,312.50
Lodging	300.00	Day	5	1,500.00

Hunt, Claire

From: Laure Kovacs [laure@allianceh2o.com]
Sent: Tuesday, August 04, 2009 2:18 PM
To: Hunt, Claire
Subject: RE: Request for Bid

Hi Claire,

Based on the information provided, I would quote the rate of \$150/hour. If you wait until next week, John will be back and able to give you a more detail and precise quote.

Regards,

Laure Kovacs
Office manager

From: Hunt, Claire [mailto:Claire.Hunt@aecom.com]
Sent: Tuesday, August 04, 2009 1:25 PM
To: Laure
Subject: Request for Bid

Laure,

Please provide a cost estimate for the attached scope of work.

Regards,
Claire Hunt
D 973.337.4216
claire.hunt@aecom.com

AECOM Technical Services, Inc.
300 Broadacres Drive
Bloomfield, NJ 07003
T 973.338.6680 F 973.338.1052
www.aecom.com

8/5/2009

Hunt, Claire

From: usradon@aol.com
Sent: Wednesday, August 05, 2009 9:33 AM
To: Hunt, Claire
Subject: Re: Request for Bid

Claire our bid for doing only the communication testing at the 3 facilities mentioned will be \$7500.00 this includes all travel and hotel expenses. This does not include design, sketching of systems design or etc.

Thank you for this opportunity to service your requirements.

Norman E. Johnson
President
US Radon Inc.

In a message dated 8/4/2009 1:40:38 P.M. Eastern Daylight Time, Claire.Hunt@aecom.com writes:

Please provide a bid estimate for the attached scope of work by noon on 8/6/09, if possible.

Regards,

Claire Hunt

AECOM Technical Services, Inc.

D 973.337.4216

8/5/2009

ENVIRO TESTING



27 Downs Avenue
Binghamton, NY 13905
(607) 770-9098
Fax: (607) 729-5154
www.envirotesting.net

August 5, 2009

Ms. Clair Hunt
% Earth Tech/AECOM
300 Broadacres Drive
Bloomfield, NJ 07003

Re: Soil Gas Ventilation
Field Diagnostics
700-712 Main Street
Westbury, NY 11590

Dear Ms. Hunt:

Reference is made to your August 4, 2009 e-mail request for the above noted.

Per our August 5, 2009 telephone discussion, I am enclosing our field rates to provide a two man crew and necessary equipment to work with your on site representative.

ENVIRO TESTING personnel will perform all physical activities outlined in your August 4, 2009 e-mail and provide the information gathered to the on-site Earth Tech representative.

If the above noted work description and attached rates meet with your approval, please sign where referenced and return one copy to our office. Thank you for contacting ENVIRO TESTING.

Sincerely,


Richard J. Tarnowski, Vice-President

Enclosure

RJT/tms

ACCEPTANCE OF PROPOSAL

Signature _____

Date _____

2009 Labor Rate and Equipment Schedule

Project: Earth Tech Soil Vapor Diagnostics
700-712 Main Street
Westbury, NY 11590

Contractor: ENVIRO TESTING

Trade: Soil Gas Diagnostics

<u>Positions</u>	<u>Straight Time</u>
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Field Supervisor	\$45.00/hour
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General Laborer	\$40.00/hour
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Equipment

Light Duty Construction Vehicles: \$175.00/day plus mileage (.55/mile) - Includes the following equipment in each company vehicle.

Extension ladder – 24 ft.	Work Boots	Tarps, drop cloths
4', 6', 8' Step ladders	Vacuum meter	First aid kit
Basic hand tools	Plastic tubing	Safety glasses
Circular saw	PVC handsaw	Hard hat
Sawzall	Shop vac	Leather gloves
Cordless drill with bits	Roto zip	Chalk line
Corded drill	Hole hog drill	Pry bar
Roto hammer drill (SDS, spline)	5/16 nut driver	Tape measure
Extension cords (100', 25', etc.)	5" core bit	Utility knife
GFCI protector	Two 5 gallon buckets	Concrete equipment
3-way splitter	Levels (torpedo, 2 ft. & 4 ft.)	Flashlight
Concrete chisel and hammer	2 safety cones, caution tape	Trouble light

ENVIRO TESTING



27 Downs Avenue
Binghamton, NY 13905
(607) 770-9098
Fax: (607) 729-5154
www.envirotesting.net

**Project Cost Estimate
Soil Gas Field Diagnostics
700-712 Main Street
Westbury, NY 11590**

1)	Travel to/from Project Site 425 miles @ .55/mile Labor – No Charge	\$ 233.75
2)	On-site work activities as directed by Earth Tech representative. Estimate 10 hours at \$85.00/crew hour	\$ 850.00
3)	Light Duty Construction Vehicle 1.5 days at \$175.00/day	\$ 262.50
4)	Overnight lodging and meals per diem. Estimate \$300.00	\$ 300.00
Total Estimated Project Cost		\$ 1,646.25

Accepted

Date

Geophysical Survey Subcontractor

				Enviroprobe	Advanced Geological Services	Geophysical Applications, Inc.
	State:			NJ	PA	MA
Activity		Unit				
1)	Mobilization/Demobilization: Mob/Demob of all equipment for the entire work period including geophysical instruments, support vehicles, incidental materials, lodging and meals. This item shall include expenses incurred, and level D PPE.	lump sum	1	100	Note 1	1030
2)	10 Hour Field day for Underground Utility Location surveys (ground penetrating radar, electromanetic, magentometer, radio detection, etc.) and Underground Storage Tanks	day	1	1400	1200	2050
3)	Hours in excess of a 10-hr day	hour	0	0	0	0
4)	Documentation (scaled sketch map showing utilities, tanks, etc.)			NA	NA	NA
	Total			1500	1200	3080



PROPOSAL FOR GEOPHYSICAL SERVICES

TO BE PERFORMED AT

North Hempstead, NY

PREPARED FOR

**Saby Chatterjee
AECOM
300 Broadacre Drive
Bloomfield, NJ 07003**

PREPARED BY

Daniel D. Jonasz
ENVIROPROBE SERVICE, INC.
221 Haddon Avenue
Westmont, New Jersey 08108

July 23, 2009

Proposal Number 90723-GPR3

INTRODUCTION

Enviroprobe Service, Inc. (Enviroprobe) is pleased to provide the following quotation for Geophysical Services to AECOM. Enviroprobe maintains a staff of qualified drillers, Geophysical technicians and chemists who provide Geoprobe (DPT), Geophysical (GPR/EM) and mobile Gas Chromatography (GC) services to the environmental consulting and engineering community.

SCOPE OF WORK

Enviroprobe will mobilize and supply a **250 MHz cart-mounted GPR and qualified operator**. The Enviroprobe day-rate includes eight (8) hours site time for the GPR and operator. Enviroprobe will also supply a **Fisher TW-6 Magnetic Locator** and a **Radio Detection (RF)** radio frequency pipe and cable locator for the detection of metallic objects. (The RF can locate non-metallic lines utilizing Tracer Lines and a Sonde.)

The purpose of this geophysical investigation is to clear boring locations. Enviroprobe will designate existing X, Y, and Z locations for all detected subsurface utilities including electrical conduits, sanitary sewer laterals, storm sewer drains, gas lines, and water lines within the client specified areas. All findings will be marked on site with paint and/or pin flags and discussed with the client representative. This proposal is based on a day-rate and not lump sum. A basic Letter report will be generated at no additional cost.

All areas to be investigated should be clear for walking. Any traffic in the immediate area needs to be diverted for geophysical activities. No boring or excavation activities should be performed within 2.5' (plus the assumed width of the utility) of any marked utilities. Hand clearing or vacuum-excavation should be performed within 2.5' of any marks. Enviroprobe does not guarantee that utilities will not be encountered during drilling and/or excavation. Markout services performed by Enviroprobe do not satisfy state markout requirements. By law, the appropriate state markout service must be notified prior to any digging activities (i.e. NJ one-call, PA one-call, CT call before you dig, MD & VA miss utility or dig safely NY).

The N250 or N500 GPR unit can penetrate soil at depths of up to eight meters (24'), but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate the GPR signal to greatly reduce the depth penetration achieved. Penetration is greatest in unsaturated sands and fine gravels. Clayey, highly saline and moist soils as well as areas covered by steel reinforced concrete and foundry slag cause reduced GPR penetration.

GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern (AOCs) requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating and/or drilling around underground structures and

utilities since GPR data can only be used for estimation purposes and GPR data is subject to misinterpretation.

COST ANALYSIS

The following represents the estimated costs for performing a limited scope of work consisting of investigation and location previously described.

Mobilization/Demobilization (North Hempstead, NY)

Geophysical Equipment and Operator.....\$ 100.00

Geophysical Equipment and Operator

1 (8 Hr.) days on site (\$ 1,400.00/8-Hr. Day).....\$ 1,400.00

Reporting

Mark on Site and Basic Letter Report.....\$ N/C

Activity Costs

\$ 1,500.00

ACCEPTANCE OF CONTRACT

This Agreement is made this _____ day of _____, 20____, between AECOM and Enviroprobe Services, Inc. (Enviroprobe) for the services and compensation as presented herein. Upon acceptance of this Agreement, please provide an executed purchase order for the required services.

Daniel D. Jonasz

Enviroprobe Representative

Client Representative
(Name and Title)

Signature

Signature

TERMS AND CONDITIONS

1. GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern (AOCs) requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating and/or drilling around underground structures and utilities since GPR data can only be used for estimation purposes and GPR data is subject to misinterpretation.
2. Free and clear access to all work areas must exist for all equipment.
3. All work will be completed in a professional workmanlike manner as per standard industry practices.
4. This contract does not include any site restoration, unless otherwise specified.
5. Any damage claims arising from performance of this project shall be strictly limited to the costs of services provided by Enviroprobe Service, Inc.
6. Any costs arising from alteration or deviation from the project specifications will be incurred by the Client.
7. Enviroprobe is not liable for damages caused by delays in performance of the services which arise from events beyond its reasonable control.
8. In the event that Client or Client's principal shall bring any suit, cause of action or counterclaim against Enviroprobe, to the extent that Enviroprobe shall prevail, the party initiating such action shall pay to Enviroprobe the costs and expenses incurred to answer and or defend such action, including reasonable attorney's fees and court costs. In no event shall Enviroprobe indemnify any other party for the consequences of the party's negligence, including failure to follow Enviroprobe's recommendations.
9. Enviroprobe is not responsible for the accuracy or validity of information obtained from others and utilized in the services covered under this contract.
10. In the event that the Client requests termination of the work prior to the completion of the contract, Enviroprobe reserves the right to complete such analysis and records as are necessary to place its files in order and where considered by it necessary to protect its professional reputation, to complete a report on the work performed to date.
11. Invoices not paid within 30 days of billing are subject to a 1.5% interest charge per month.



3 Mystic Lane
Malvern, PA 19355
(610) 722-5500
(610) 722-0250 Fax

PROPOSAL FOR LIMITED GEOPHYSICAL SERVICES

AGS Proposal Number: AGS-09-223-1

Date: July 23, 2009

Client: AECOM/Earth Tech, Inc.			Telephone: 973-338-6680
Address: 300 Broadacres Drive,			email: saby.chatterjee@aecom.com
City: Bloomfield	State: NJ	Zip: 07003	Contact Person: Saby Chatterjee

Site: New Hampstead Site			Telephone: ()
Address: 307			
City: New Hampstead	State: NY	Zip:	Contact Person:
Description of Site: Clear six proposed drilling locations of underground utilities.			

1.0 Scope of Work

AGS is pleased to provide Earth Tech, Inc (the "Client") with limited geophysical survey services (the "Investigation"). Based on our current understanding, the objective of this investigation is to clear six proposed soil boring located inside of a building of buried utilities and potential subsurface drilling hazards.

1.1 Proposed Field Methods

AGS proposes to meet the objective of this investigation by using the radio frequency (RF) utility locating method and the ground penetrating radar (GPR) geophysical method. The RF method can be used to trace active electric lines when in the passive mode, and trace other utilities via direct hookup or induction. A RD400 or RD4000 by Radio-Detection, Inc. will be used for the RF portion of the survey.

GPR data will be collected in an approximate grid pattern across each proposed drilling location to identify any utilities. GPR data will be collected using a GSSI SIR-2, or SIR3000 imaging system and a 400 Megahertz (MHz) antenna.

AGS will clear a 10-foot radius around each proposed drilling location, space permitting. It is anticipated that these instruments will provide the required resolution and depth of investigation necessary to meet the project objective.

AGS anticipates that the above-described fieldwork will be completed in one-half (½) day. Like all fieldwork, AGS' performance of the Investigation could be delayed or interrupted by unfavorable weather conditions or other causes not under the control of AGS. In such event, AGS will attempt to reschedule the Projected Start Date or continue with the Investigation as soon as possible, taking into consideration other scheduled work or subsequent force majeure events.

1.2 Deliverables

The geophysical data collected during this investigation will be archived at the AGS office. AGS will submit a Letter Report of Findings (the "Report") for the site location, at the conclusion of the Investigation. The Report is anticipated to include:

- a description of survey methods,
- a summary of field activities, and
- results of the investigation

AGS will set forth its findings in the Report, following the guidelines outlined above, to be delivered to the Client within fourteen (14) business days after completion of the field survey. Because all underground anomalies may not be recognized during the on-site portion of this investigation, it is recommended that no excavation or other construction-related activities should be initiated until the final review has been completed.

AGS will undertake the above-described work, including the preparation of a Report subject to the following terms, including the warranty and disclaimer provisions contained therein, and the accompanying General Terms & Conditions. Please read them carefully before authorizing AGS to proceed.

2.0 Proposed Costs

AGS proposes to perform the Investigation, in accordance with the terms and conditions herein, for the half-day rate (up to 4 hours on site) of **\$1,200.00** (the "Proposed Cost").

Unless otherwise noted, the Proposed Cost is all-inclusive, incorporating labor and materials, mobilization and demobilization, report preparation, mileage, tolls, etc. Costs of express mail service, if necessary, will be in addition to the proposed cost and no mark-up will be added.

Additional field days, if necessary and authorized by the client, will be charged at a daily rate of Two Thousand Dollars (\$2,000.00), plus expenses. Additional reporting time, if required to complete client requested tasks beyond those proposed above (Section 1.2, Deliverables) will be charged at \$85.00 per hour. Invoices will be issued at the completion of the Investigation, delivery of the Report and/or end of the month, payable net 10 days from the date of the invoice.

3.0 Standard of Care

AGS warrants that its Investigation will be performed in accordance with the ordinary standard of care for similar services at the time and in the place where such services are rendered. Except as specifically provided in this paragraph no other warranty or representation, either express or implied, oral or written, is included or intended in this proposal, the field survey report or otherwise respecting the Investigation. In particular, depending upon the physical and geological characteristics of the site, as well as a number of other factors, underground items or features of the type described on page one of this Proposal and contract and the precise size, location and other characteristics thereof, cannot necessarily be accurately detected or described using ground penetrating radar, magnetic and electromagnetic detection devices or other devices and methods. Therefore, the investigation may not necessarily be effective in locating and describing such items and characteristics. No guarantees are made or implied regarding the absence of additional features beyond those implied.

In order for AGS to undertake and complete the work in a safe and efficient manner, Client shall:

- (i) make whatever arrangements are necessary to secure AGS lawful access to the Site at the date and time scheduled;
- (ii) provide AGS with a reasonable and unrestricted manner of ingress and egress to the site;
- (iii) provide adequate notice of any hazardous or dangerous conditions;
- (iv) assure that the site is free of debris and other obstructions, including dense vegetation that could hinder the conduct or progress of the Investigation;
- (v) provide AGS personnel, in advance of their arrival at the site, with adequate notice of any applicable work rules, health and safety plans for the site, and relevant information regarding the presence at or below the site of any hazardous substances or other pollutants; and
- (vi) manage and properly and legally dispose of any used personal protective equipment, decontamination fluids or related wastes generated by AGS during the course of the investigation, when such equipment or procedures are, in AGS' judgment, warranted due to the presence (or suspected presence) at the site of hazardous substances or pollutants.

AGS reserves the right to discontinue the Investigation and withdraw from the site if such requirements are not met, or if performance of the Investigation would, in AGS' judgment, pose an unreasonable risk to AGS personnel or equipment.

This proposal is subject to the General Terms & Conditions contained herein. The pricing quoted will remain in effect for a period of sixty (60) days from the date of this quotation. After 60 days, AGS reserves the right to revise the quotation. This proposal is based on laws currently in effect. Should any laws change, AGS reserves the right to amend this proposal.

Your acceptance and authorization to proceed with this project may be accomplished by signing this proposal and returning it to us. Please enclose a copy of the most recent site plan drawing concerning the area of investigation, if available at this time. We appreciate the opportunity to provide you with our geophysical investigation services. If you have any questions, please feel free to contact us at any time.

Respectfully submitted,

ADVANCED GEOLOGICAL SERVICES, INC.



Robert J. Mundt

President
Title

Accepted and Authorized by Client:

Name

Date

Print Name & Title:

GEOPHYSICAL APPLICATIONS

INCORPORATED

July 23, 2009

Dr. Saby Chatterjee
AECOM
30 Broadacres Drive
Bloomfield, NJ 07003

phone: 973-338-6680
fax: 973-338-1052

Subject: Proposal for Geophysical Services
Borehole Clearance for Monitoring Wells
North Hempstead, NY – Nassau County

Dear Dr Chatterjee:

Geophysical Applications, Inc. is pleased to submit this proposal for surveys designed to detect possible subsurface utilities and other drilling impediments to a depth of approximately 8 to 10 feet near six proposed borings. We understand that the survey area is a paved parking lot with vehicular access.

We propose to complete this survey using ground penetrating radar (GPR) profiling, augmented with pipe and cable locating instruments and a handheld metal detector. We recommend that AECOM have Dig Safe markouts completed prior to geophysical surveying.

PROPOSED WORK SCOPE

Survey Grid

We will establish a reference grid up to 20 by 20 feet in size centered on each proposed boring location before geophysical data acquisition. The grids will be denoted by chalk or spray paint marks at 5-foot intervals. The grids will be referenced to nearby semi-permanent features (walls, fences, curbs, etc. if possible). If the boring locations are not pre-numbered, we will establish our own numbering system for our sketch maps. Grid corner coordinates can be spray painted for future grid reconstruction if desired by AECOM.

Ground Penetrating Radar Profiling

GPR data will be obtained with a GSSI model SIR-2000 radar instrument coupled to a 400-Megahertz antenna. GPR can typically identify large or laterally-extensive objects (including metallic or concrete pipes) at depths up to 8 or 10 feet below ground surface in granular soils. Pipes or conduits less than two inches in diameter may only be detected at depths less than a couple of feet. PVC or vitreous clay pipes may not always be detected by GPR.

Shallow groundwater, concrete slabs, reinforcing steel, or electrically conductive materials (especially clay or residual roadway deicing salts) may reduce GPR signal-penetration depths. In addition, GPR signals cannot penetrate standing water (i.e. puddles). GPR data will be displayed on a color monitor to facilitate preliminary on-site data interpretation. Digital GPR data will also be downloaded to a computer and transferred to a CD-ROM for archival purposes.

GPR profiling will be performed along perpendicular traverses located 2.5 feet apart. Additional traverses may be recorded as needed to resolve the lateral extent of buried objects identified during the fieldwork.

Pipes or other discrete objects typically produce inverted U-shaped GPR reflections. We will interpret buried objects' dimensions directly from GPR records. Inferred objects' depths will be estimated using GPR signal velocities from similar sites.

We will conduct a preliminary interpretation of the GPR data in the field, per AECOM's request. Obvious interpreted utilities will be marked on the ground surface within each survey area. If a proposed boring location needs to be shifted, we will mark a preferred drilling location on the ground. A final GPR interpretation will be performed in our offices using GSSI's RADAN for Windows software package. Note that post-processing sometimes reveals additional drilling obstructions not evident in the raw data. We generally recommend that drilling be performed after completion of these final sketches; however we realize that this may not always be possible.

Final GPR interpretations will be shown on hand-drawn sketch maps, accompanied by a brief report that describes the survey methods and results. Copies of these sketches can be faxed to AECOM as they are completed upon request.

Pipe and Cable-Locating Instruments

Up to three pipe-locating instruments will be available on-site to help trace metallic pipes, or to spot-check GPR reflections judged to possibly represent buried metal. The Schonstedt model GA-72CD instrument emits a high-pitched audible tone near ferrous objects. It can help distinguish GPR reflections caused by ferrous objects (such as pipes) from non-ferrous objects (such as boulders).

The Metrotech model 810 and Radiodetection models RD400 and RD4000 instruments use separate transmitting and receiving units to trace weak electrical signals induced in metallic pipes or cables. Current induction is achieved by connecting the transmitter to a visible portion of the desired pipe or cable, or (in suitable conditions) placing the transmitter on the ground surface above the subject pipe or cable. The induced current is subsequently traced with a handheld receiver unit. In most cases, these instruments can estimate buried pipe or cable depths in inches.

The Metrotech 50/60 and the RD instruments in the passive mode detect cables carrying an active electric current under load. We will scan each proposed borehole location with this method to look for energized lines within the survey grid.

SCHEDULE AND BUDGET

AECOM's requested breakdown of our fees is detailed below. Our day rates are taken from our March 2008 contract with AECOM for New York State sites. We anticipate completing this fieldwork in one day on site (up to a 10-hour day). The actual field work duration will depend on several factors including the complexity of the interpretation and the amount of pipe-locating performed.

The costs listed below include one geophysicist and all expenses required for mobilization/demobilization, travel, data acquisition and analysis, and report preparation. If AECOM desires to increase the scope of work, we have also provided a half-day rate, as requested.

- Mobilization to the site the night before, including overnight stay \$ 1,030
- Daily rate for survey crew (one person, 10-hour day) \$ 2,050

- Half-day rate for survey crew (one person, 4 to 5 hours) \$ 1,030
- Hourly overtime rate beyond 10 hours per day \$ 160 per hour

Our fees assume standard payment terms of net 30 days. We can provide an insurance certificate upon request as evidence of current commercial general liability, professional liability, automobile liability, and worker compensation insurance.

Please note that survey coverage will be most thorough if aboveground obstacles, such as cars, equipment, debris and dumpsters are removed prior to gridding and geophysical surveying. If this survey is conducted during cold weather, the use of deicing salts should be avoided before and during the survey, as these substances can greatly reduce GPR signal penetration.

We appreciate this proposal opportunity, and we look forward to working with you. Please call the undersigned at 508/429-2430 if you need additional information to evaluate our proposal, or to schedule this survey.

Sincerely,

GEOPHYSICAL APPLICATIONS, INC.

C. Sullivan
Charlene Sullivan
Geophysicist

M.E. Blackey
Mark E. Blackey
Principal and Geophysicist

AECOM_N Hempstead-hdr.doc

Soil Cutting Disposal Subcontractor

Roll Offs	Unit	Qty	EWMI	Total Pure Earth		Total Cycle Chem		Total
Disposal	ton	15	275	4,125	95	1,425	95	1,425
Spot Container	ea	1	475	475	650	650	650	650
Transportation to Disposal Facility	ea	1	750	750	2,300	2,300	2,300	2,300
Roll Off Rental	day	21	15	315	20	420	20	420
Liner	ea	1	50	50	45	45	45	45
Demurrage	hr	1	100	100	85	85	85	85
				5,815		4,925		4,925
Drums	ea	5	85	425	300	1,500	312	1,560
Transportation if not included above	ea	1	350	350 included			650	650
Manifest	ea	1					25	25
QA/QC	ea	1					40	40
Fuel Surcharge			0%	0	0%	0	18%	117
Tax			1.43%	11	1.43%	21	1.43%	34
				775		1,500	65	2,210
Total				6,590		6,425		7,135



14 Brick Kiln Court
Northampton, PA 18067
Ph: (484) 275-6900
Fax: (484) 275-6970
www.ewmi-info.com

July 29, 2009

Phone: (973) 338-6680
Fax: (973) 338-1052

Mr. Saby Chatterjee
AECOM Environment
300 Broadacres Drive
Bloomfield, NJ 07003

REFERENCE: FOB #103173 – FORMAL QUOTATION
IDW Waste – NYSDEC – North Hempstead, NY

Dear Mr. Chatterjee:

Environmental Waste Minimization, Inc. (EWMI) is pleased to provide this proposal for the materials referenced below. Our pricing is based upon your email correspondence dated July 27, 2009.

Pricing Summary:

Waste Stream	Waste Category	Specifications	Price per Unit
1	Soil Cuttings	➤ RCRA Non-Hazardous ➤ DOT Non-Regulated ➤ No Free Liquids	\$105.00/ton Or \$85.00/drum
2	Soil Cuttings	➤ RCRA Hazardous (F002) ➤ DOT Regulated (Class II) ➤ No Free Liquids ➤ Must Meet Treatment Standards	\$275.00/ton Or \$250.00/drum

Roll-Off Container Spot Fee \$475.00/spot
Roll-Off Container Rental Fee..... \$15.00/day
Roll-Off Container Liner..... \$50.00/liner
Transportation of Roll-Off Container to Disposal Facility..... \$750.00/load
Transportation of Drums \$350.00/load

Notes:

1. Disposal pricing contingent upon waste approved and accepted by designated disposal facility.
2. Generator or designated agent must sign waste profile sheets and waste shipping papers.
3. Generator is responsible for any additional charges due to non-conforming waste.

4. A no load fee of \$475.00/load will apply for trucks ordered and not used.
5. Loads requiring a washout will be subject to a \$350.00 washout fee.
6. Taxes, if applicable, are not included.
7. Per unit pricing shall prevail.
8. Free and clear access must be provided.

One (1) hour waiting, loading, and unloading time is included in your transportation rate. When additional time is required, a demurrage charge of \$25.00 per quarter hour or fraction thereof will apply. In addition, should on-site field labor be required, Environmental Waste Minimization, Inc. (EWMI) will invoice this service at \$48.00 per hour per man, portal to portal.

An EPA identification number must be furnished in order to initiate a hazardous waste pickup. EWMI will assist the generator on obtaining an EPA identification number if requested for a fee of \$75.00.

EWMI has based our proposal on certain bidding assumptions. The cost estimates are our best good faith estimates on the amount of time and materials, which will be required to safely handle the projects. EWMI's team will work diligently and closely with AECOM Environment to effectively manage the project. EWMI will complete detailed daily records for all activities performed. Invoicing will be based on the task and the actual work completed. Estimates may be reduced or increased based on the actual time and materials utilized to complete the work. EWMI will communicate immediately and continuously throughout the project with AECOM Environment on progress. EWMI's invoicing will be based on our unit rates quoted in this proposal and on our rate sheet for items not proposed.

This pricing is in effect for thirty (30) days from the date of this correspondence. Rates do not include any federal, state or local taxes or fees, including hazardous waste taxes, which may be imposed.

Upon award, this project will be administered and billed by Environmental Waste Minimization, Inc. Any purchase orders and/or contracts resulting from this quotation shall be executed in the name of Environmental Waste Minimization, Inc.

Environmental Waste Minimization, Inc. requires 100% payment within thirty (30) days of the date of invoicing (pending credit approval). A 1.5% surcharge will be added following the thirty (30) days.

To schedule this project, please contact Customer Service at 484.275.6900.

Please acknowledge and return a copy of this quotation along with a purchase order number to indicate your acceptance of these terms and the separate page of Environmental Terms and Conditions. Acknowledged quotations can be faxed to 484.275.6970 Attn: Customer Service Department.

The contents of this proposal are confidential and are provided to you for the sole purpose of bid evaluation and strategies for our environmental management services. Distribution or dissemination of any information contained within our proposal without the prior approval of EWMI is strongly discouraged. EWMI greatly appreciates your assistance in maintaining our innovative competitive programs.

On behalf of all of us at Environmental Waste Minimization, Inc., I greatly appreciate the opportunity in providing this proposal for your consideration. We look forward to a favorable review of our quotation and towards a future relationship. Should you have any questions, please contact us at 484.275.6900.

ACKNOWLEDGMENT:

Respectfully,

Greg Inman

(Electronic Signature)

Greg Inman
Sales Manager

Name: _____

Signature: _____

Date: _____

P.O. #: _____

Hunt, Claire

From: Chatterjee, Saby
Sent: Tuesday, August 04, 2009 5:08 PM
To: Hunt, Claire
Subject: Pure Earth Price

Attachments: img-8041445-0001.pdf



img-8041445-0001.
pdf (42 KB)

Attached is the pure earth's price quote. Its handwritten, I will ask him to make a formal submission

Saby Chatterjee, PhD
Project Manager
AECOM Environment
D 973.337.4210
Fax: 973-338-1052
Saby.chatterjee@aecom.com

-----Original Message-----

From: Stephen Shapiro [mailto:sshapiro@pureearthinc.com]
Sent: Tuesday, August 04, 2009 4:10 PM
To: Chatterjee, Saby
Subject: FW: North Hempstead

Saby,

Please contact me with any questions
Thanks

Steve Shapiro
Vice President
Pure Earth Disposal Group Inc.
2545 Hempstead Turnpike, Ste201
East Meadow, NY 11554
(516) 605 2110
(516) 605-2117 (Fax)
sshapiro@pureearthinc.com

-----Original Message-----

From: SSHAPIRO@PUREEARTHINC.COM [mailto:SSHAPIRO@PUREEARTHINC.COM]
Sent: Tuesday, August 04, 2009 3:45 PM
To: Jeff Berger; Stephen Shapiro
Subject: North Hempstead

HAZ

Roll Offs	Unit	Qty	Pure Earth	Total
Disposal	ton		1.95.00/TON	0
Spot Container	ea	1	16.00.00 EA	0
Transportation to Disposal Facility	ea	1	12.50.00	0
Additional Charges	ea		Any Applicable Tax	0
Roll Off Rental	day		10.00/DAY	0
Liner	ea		14.00	0
Demurrage	hr		21.00/hr	0
				0
Drums	ea		300.00/Drum	0
Transportation if not included above	ea			0
				0

Non-Haz

Roll Offs	Unit	Qty	Pure Earth	Total
Disposal	ton		2.00/ton	0
Spot Container	ea	1	350.00 EA	0
Transportation to Disposal Facility	ea	1	750.00 EA	0
Additional Charges	ea		Applicable Tax	0
Roll Off Rental	day		20.00/day	0
Liner	ea		45.00	0
Demurrage	hr		75.00/hr	0
				0
Drums	ea		29.00/Drum	0
Transportation if not included above	ea			0
				0

Hunt, Claire**From:** Frank Amador [frank.amador@cyclechem.com]**Sent:** Monday, July 27, 2009 3:39 PM**To:** Chatterjee, Saby**Subject:** BallParkEstimate_1.doc**Cycle Chem, Inc**

201 South First Street Elizabeth, NJ 07206 PHONE: 908-355-5800, FAX: 908-355-0562

Estimated Cost For Waste Disposal

Date Printed: 7/27/09 **Estimate Number:** 20735-1 NORTH HEMPSTEAD, NJ **Sales Code:** MEY

Contact: SABY CHATTERJEE **Phone:** (973) 338-6680 **Fax:** (973) 338-1052

Customer: 947381-AECOM ENVIRONMENT

Product Code	Description	Volume	Units	Price	Total
PC04	NON HAZ DRILL CUTTING	TBD	55 G DM	\$73.00	TBD
PC04 terms of pricing: Non-RCRA only; PH 4-10; FP >140 F; Heat of dilution < 10 deg. C; Bulks to off-load must have full and empty weight tickets if priced per ton					
CM1	SOIL CONT. W/ TCE & PCE- D waste and total vols < 500 PPM	TBD	55 G DM	\$184.00	TBD
CM1 terms of pricing: Debris < 3' x 3' x 3'; VOC < 500 PPMW; sulfides < 500 PPM; total cyanides < 590 PPM; amenable cyanide < 250 PPM; no free liquids; FP > 140 F; PH 4-10; PCB < 10 PPM; EPA waste codes D004-D011, D018, D019, D022-D030, D039, D040, D043 only; No Activated Carbon					
R02	SOIL CONT. W/ TCE & PCE- F waste	TBD	55 G DM	\$312.00	TBD
R02 terms of pricing: Must be shreddable; PH 4-10; < 250 PPM reactive cyanide; < 500 PPM reactive sulfides; halogens < 5; no intact containers; < 50 PPM PCB, no concrete/bricks or metal pipes					

Estimated Disposal Cost	TBD
Manifest Preparation at \$25.00 per manifest	\$25.00
Label Preparation	TBD
QA/QC Fee (1 at \$40.00 /load)	\$40.00
5% Regulatory Administrative Fee	TBD
Transportation (1 load at \$650.00 /load)	\$650.00
Fuel Surcharge on Transportation Charges @ 18.00%	\$117.00
Estimate Total	TBD

8/5/2009

Estimate Notes: Fuel surcharge is adjusted week to week, and may be different at the time of pick-up. Demurrage rate is \$75.00 /hr after 1 hr(s).

This is a price estimate based upon the information provided by the contact indicated above. **THESE ARE NOT FIRM PRICES.** Firm pricing will be established after the submittal and approval of a completed Material Profile Sheet (MPS) and the generation of a formal quote letter. *Off-spec charges may be applied to waste received that does not conform/match the approved profile.* This estimate is valid for 30 days. Any cancellation requires a 24 hour notice prior to pick up or a fee of up to 50% of the transportation cost may be applied.

NJ Recycling Tax of \$3.00/Ton for bulk or 1.43% for containerized waste will be added to all shipments of non-RCRA solids (ID27), asbestos (ID27A) or household hazardous waste (ID10). If Cycle Chem arranges transportation, NJ Hazardous Tax of \$1.67/Ton will be added to all shipments of RCRA-hazardous waste.

If the above conditions and charges are acceptable, please sign and date and fax back to CCI at (908) 355-0562. If there are any questions regarding this proposal, please contact Todd Meyer or Frank Amador at (908) 355-5800.

Signature: _____ Date: _____
PO# _____

Estimate Number: 20735-1 NORTH HEMPSTEAD, NJ

Hunt, Claire**From:** Frank Amador [frank.amador@cyclechem.com]**Sent:** Monday, July 27, 2009 3:44 PM**To:** Chatterjee, Saby**Subject:** BallParkEstimate.doc

Cycle Chem, Inc

201 South First Street Elizabeth, NJ 07206 PHONE: 908-355-5800, FAX: 908-355-0562

Estimated Cost For Waste Disposal

Date Printed: 7/27/09 **Estimate Number:** 20735-1 NORTH HEMPSTEAD, NJ **Sales Code:** MEY

Contact: SABY CHATTERJEE **Phone:** (973) 338-6680 **Fax:** (973) 338-1052

Customer: 947381-AECOM ENVIRONMENT

Product Code	Description	Volume	Units	Price	Total
PC01	NON HAZ DRILL CUTTING	TBD	per TON, RO	\$113.00	TBD
PC01 terms of pricing: plus \$100 handling fee; 5 ton Minimum billing; Non-RCRA only; No free liquids; Heat of dilution < 10degrees C; PH 4-10; FP >140 F; Bulk loads must have full and empty weight tickets and density >1000#/cu yd; No intact drums; No fine, dusty material					

Estimated Disposal Cost	TBD
Manifest Preparation at \$25.00 per manifest	\$25.00
QA/QC Fee (1 at \$40.00 /load)	\$40.00
5% Regulatory Administrative Fee	TBD
Estimate Total	TBD

Estimate Notes: Transportation not included.

This is a price estimate based upon the information provided by the contact indicated above. **THESE ARE NOT FIRM PRICES.** Firm pricing will be established after the submittal and approval of a completed Material Profile Sheet (MPS) and the generation of a formal quote letter. *Off-spec charges may be applied to waste received that does not conform/match the approved profile.* This estimate is valid for 30 days. Any cancellation requires a 24 hour notice prior to pick up or a fee of up to 50% of the transportation cost may be applied.

NJ Recycling Tax of \$3.00/Ton for bulk or 1.43% for containerized waste will be added to all shipments of non-RCRA solids (ID27), asbestos (ID27A) or household hazardous waste (ID10). If Cycle Chem arranges transportation, NJ Hazardous Tax of \$1.67/Ton will be added to all shipments of RCRA-hazardous waste.

If the above conditions and charges are acceptable, please sign and date and fax back to CCI at (908) 355-0562. If there are any questions regarding this proposal, please contact Todd Meyer or Frank Amador at (908) 355-5800.

Signature: _____ Date: _____
PO# _____

Estimate Number: 20735-1 NORTH HEMPSTEAD, NJ

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

Subcontract Certification

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

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

C. H. K.
Signature of Contractor's Authorized Representative

9/3/09
Date

AECOM Technical Services Northeast, Inc.

D004436-32

Contractor Name

Contract No. WA No.

TestAmerica

Subcontractor Name

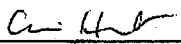
3/2/07

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

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5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.


Signature of Contractor's Authorized Representative

AECOM Technical Services Northeast, Inc.

Contractor Name

YEC, Inc.

Subcontractor Name

9/3/09

Date

D004436-32

Contract No. WA No.

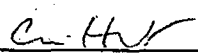
3/2/07

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

Subcontract Certification

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

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
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5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.


Signature of Contractor's Authorized Representative

AECOM Technical Services Northeast, Inc.

Contractor Name

Advanced Geological Services, Inc.

Subcontractor Name

9/3/09

Date

D004436-32

Contract No. WA No.

3/2/07

Subcontract Certification

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
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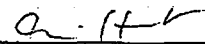
3/2/07

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

Subcontract Certification

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

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/qbull/q221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.


Signature of Contractor's Authorized Representative

9/3/07
Date

AECOM Technical Services Northeast, Inc.

D004436-32

Contractor Name

Contract No. WA No.

Enviro Testing

Subcontractor Name

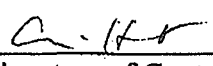
3/2/07

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

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9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.


Signature of Contractor's Authorized Representative

AECOM Technical Services Northeast, Inc.

Contractor Name

Pure Earth Disposal Group

Subcontractor Name

9/3/09

Date

D004436-32

Contract No. WA No.

3/2/07

Work Assignment No: D004436-32
Engineer: AECOM Technical Services Northeast, Inc.
Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
Project No:
Date Prepared: 10/15/09

AECOM Technical Services Northeast, Inc.
TABLE 1.0
SUMMARY OF BUDGETED PROJECT COSTS

TASK	Direct Labor (a)	Indirect Costs 146.80%	Fixed Fee 10.5%	Travel & Subsistence	Other Direct Costs(c)	Cost plus Fixed Fee (d) Subcontractor	Sub Con Management Fee 5%	Unit Price (e) Subcontractor	TOTAL COLUMNS (1A-5)
Task 1 - Scoping	\$5,124.80	\$7,523.21	\$1,328.04	\$169.60	\$0.00	\$0.00	\$0.00	\$0.00	\$14,145.65
Task 2 - Plans and Specifications	\$7,136.61	\$10,476.55	\$1,849.38	\$935.00	\$11.00	\$0.00	\$0.00	\$7,296.25	\$27,704.79
02.01 - Component 1 Conceptual Design	\$3,397.79	\$4,987.96	\$880.50	\$832.00	\$11.00		\$0.00	\$7,296.25	\$17,405.50
02.02 - Component 2 Draft Design	\$1,855.09	\$2,723.27	\$480.73	\$50.00	\$0.00				\$5,109.09
02.03 - Component 3 Final Design	\$1,127.79	\$1,655.60	\$292.26	\$50.00	\$0.00				\$3,125.65
02.04 - Component 4 Project Cost Estimate	\$755.94	\$1,109.72	\$195.89	\$3.00	\$0.00				\$2,064.55
Task 3 - Additional Studies	\$18,066.05	\$26,520.97	\$4,681.65	\$3,877.70	\$5,964.00	\$9,563.60	\$537.44	\$21,589.42	\$90,800.83
03.01 - Well Installation & Development Over	\$4,259.10	\$6,252.36	\$1,103.70	\$1,104.00	\$1,475.00	\$9,563.60	\$32.39	\$11,488.42	\$35,278.57
03.02 - Well Sampling (9)	\$1,374.08	\$2,017.15	\$356.08	\$526.20	\$4,143.00	\$0.00	\$272.45	\$5,449.00	\$14,137.96
03.03 - Structure Sampling	\$1,594.33	\$2,340.48	\$413.16	\$701.60	\$346.00		\$232.60	\$4,652.00	\$10,280.17
03.04 - SSDS Installation Oversight	\$6,266.48	\$9,199.19	\$1,623.90	\$1,446.40	\$0.00				\$18,535.97
03.05 - SSDS Information Package Preparation	\$2,629.50	\$3,860.11	\$681.41	\$19.50	\$0.00				\$7,190.52
03.06 - Annual Long term Monitoring Report	\$1,942.56	\$2,851.68	\$503.40	\$80.00	\$0.00				\$5,377.64
Sub Con Mgmt Rules MWBE always 5% Others 5% only when >10,000									
TOTALS	\$30,327.46	\$44,520.73	\$7,859.07	\$4,982.30	\$5,975.00	\$9,563.60	\$537.44	\$28,885.67	\$132,651.27

UTILITY MANUFACTURING/ WONDER KING OPERABLE UNIT 2

Site # 130043H
Utility Manufacturing / Wonder King
Work Assignment # D004436-32

Submitted to:
Patricia Kappeller
Contract Manager, NYSDEC

Prepared for:
Superfund Standby Program
New York State
Department of Environmental Conservation
625 Broadway
Albany, New York, 12233

Prepared by:
AECOM Technical Services Northeast, Inc.
300 Broadacres Drive
Bloomfield, NJ, 07003

August 09

AECOM Project No. ##

AECOM

300 Broadacres Drive, Bloomfield, NJ 07003
T 973-338-6680 F 973-338-1052 www.aecom.com

August 6, 2009

NYS Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
625 Broadway, 12th Floor
Albany, NY 12233-7012

Attn: Patricia Kappeller, Contract Manager

Dear Ms. Kappeller,

**Subject: Utility Manufacturing/Wonder King, Operable Unit 2
Site No. 130043H
Work Assignment No. D004436-32
Remedial Design and Construction Inspection**

Attached please find revised 2.11s, subcontract certifications, a summary of bids and a cost checklist for the above-referenced project in response to your email dated July 16, 2009 to Scott Underhill. The scope of work consists of project scoping, preparation of plans and specifications, oversight of construction services including sub-slab depressurization system (SSDS) installation at three facilities (Properties 2, 6 and 9) and installation of six monitoring wells, and one round of groundwater and indoor air sampling. It is assumed that the design-related work will be conducted as described in the November 2007 Final Project Management Plan Addendum for Off-Site Soil Vapor Intrusion Site Characterization and Mitigation. NYSDEC's work plan template calls for three years of long term monitoring. Per your instruction, the scope is limited to 16 months. Therefore, the cost for only one round of sampling is included in the 2.11s. Task details are provided below.

Task 1 Scoping: Total Hours-130

This task consists of one site visit for two employees, development of the 2.11s, progress schedules and development of a summary for the repository.

Task 2 Plans and Specifications: Total Hours - 218

Task 2.1 - SSDS Design - Preliminary

This task consists of a field effort to collect site information and to prepare a 30 percent design. During the field effort, AECOM will evaluate building differential pressure, identify soil gas entry points and collect sub-slab pressure field extension measurements. AECOM will work with Enviro Testing to collect the field measurements. A summary of subcontractor bids is attached. It is assumed that all field work will be conducted in Level D. Three copies of the preliminary design will be provided to NYSDEC for review.

Task 2.2 - SSDS Design - Intermediate

This task consists of preparing a 60 percent complete intermediate design submittal. The submittal will consist of draft design calculations, drawings, specifications, bid quantity estimates, cost estimates, a description of access and permit issues and draft measurements for payment. Three copies of the preliminary design will be provided to NYSDEC for review. The submittal will be a complete draft design which will be finalized based on DEC comments.

Task 2.3 - SSDS Design - Final

This task consists of preparing a final design submittal. The submittal will consist of final contract documents, engineer's cost and quantity estimates and a list of required permits/access agreements. The design will have a PE seal. NYSDEC's comments will be addressed in the final design submittal.

Task 2.2 - SSDS Design - Cost Estimate

This task consists of preparing a project cost estimate for review by NYSDEC.

Task 3 Additional Studies: Total Hours 491

Task 3.1 Well Installation & Development Oversight (6)

This task consists of coordination and oversight of monitoring wells installation at six locations. It is assumed that the wells will be installed in three pairs along the south side of Old Country Road. The cost for a geophysical survey by AGS for utility mark out is included in the budget. The cost for drilling is not included as stated in NYSDEC's work plan template. The wells will be developed by the driller with oversight by AECOM. It is assumed that the wells will be installed in 8 days and development will require an additional 2 days. Soil cuttings will be collected in a roll off for off-site disposal by the subcontractor Pure Earth Disposal Group. The soil will be sampled for waste characterization prior to disposal. It is assumed that the soil will be disposed as hazardous waste. The budget includes the cost of 5 drums, to allow segregation of more heavily contaminated soil, if encountered. It is assumed that the water will not have a sheen and can be disposed on the ground or to a sewer. Subcontractor bids are attached for the geophysical survey and soil disposal. A team subcontractor, YEC, will conduct a land survey of the six monitoring wells following installation.

Task 3.2 Well Sampling (9)

This task consists of groundwater sampling at the three existing and six newly installed wells. The groundwater will be collected by the low flow method. The samples will be analyzed for VOCs (8260) by the standby contractor TestAmerica. Laboratory results will be validated by standby contractor EDS.

Task 3.3 Structure Sampling

This task consists of air sampling at three properties. Indoor air, outdoor air and sub-slab samples will be collected from each property. Permanent sub-slab points will be installed at each location for long-term monitoring. YEC will assist with air sampling. The NYSDOH indoor air quality questionnaire and building inventory will be completed for each property. The samples will be analyzed for VOCs (TO-15) by the standby contractor TestAmerica. Laboratory results will be validated by standby contractor EDS.

Task 3.4 SSDS Installation Oversight

This task consists of oversight during SSDS installation. It is assumed that the installation will require 16 days. The cost for SSDS installation is not included as stated in NYSDEC's work plan template.

Task 3.5 SSDS Information Package Preparation

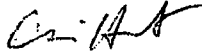
This task consists of preparing a SSDS information package for each facility. The document will identify as-built deviations from the design documents, final pressure readings and operation and maintenance requirements.

Task 3.6 Annual Long-Term Monitoring Sampling Report

This task consists of preparing a sampling summary report for the groundwater and air samples.

If you have any questions or require additional information, feel free to contact our office.

Yours sincerely,



Claire Hunt
Project Manager

Schedule 2.11 (e)
Cost Plus Fixed-Fee Subcontracts

North Hempstead (Westbury) Survey and Sampling

August 6, 2009

<u>NAME OF SUBCONTRACTOR</u>	<u>SERVICES TO BE PERFORMED</u>	<u>SUBCONTRACT PRICE</u>
YEC, INC.	Engineering Support Services	\$9,563.60

A. Direct Salary Costs

<u>Professional Responsibility Level</u>	<u>Labor Classification</u>	<u>Average Reimbursement Rate (\$/Hr.)</u>	<u>Maximum Reimbursement Rate (\$/Hr.)</u>	<u>Estimated Number of Hours</u>	<u>Total Estimated Direct Salary Cost (\$)</u>
Principal	VIII	2009 64.40	2009 64.40	0	0.00
Senior Geologist/Scientist/ Engineer/ Licensed Surveyor	V	2009 43.67	2009 48.03	6	262.02
Staff Geologist/ Scientist/Engineer	IV	2009 37.93	2009 41.74	4	151.72
Staff Geologist/ Scientist/Engineer/CAD Operator	III	2009 32.94	2009 36.55	86	2,832.84
Senior Technician/Staff Engineer/Scientist/Geologist	II	2009 24.36	2009 27.30	0	0.00
Technician/Draftsperson	I	2009 22.07	2009 24.73	10	220.70
Total Direct Salary Costs:					3,467.28

B. Indirect Costs - 117% of direct salary cost

Indirect Costs: 4,056.72

C. Maximum Reimbursement Rates for Direct Non-Salary Costs:

<u>Item</u>	<u>Maximum Reimbursement Rate</u>	<u>Estimated No. of Units</u>	
Mileage	0.55 /mi.	120 miles/trip	8 trips 528.00
Tolls	18.5 /day	8 trips	148.00
Level D	10 /mnday	7 mndays	70.00
Survey Equipment Rental	65.00 /day	1 days	65.00
CAD Equipment	15.00 /hour	0 hours	0.00
GPS Tie-In	0.00 /lump sum	1 lump sum	0.00
Misc materials	100 /lump sum	1 lump sum	100.00
Total Direct Non Salary Costs:			911.00

D. Fixed Fee (15% of Total Direct and Indirect Salary Costs)

Fixed Fee: 1,128.60

Assumptions:

Existing tie-in to be used	1 day for Survey
Point file submission, no map	3 days for Well Sampling
AECOM supplies sampling equip.	4 days for Structure Sampling

Pre-Design Support Subcontractor

	Unit Cost	Unit	Qty	Total
Alliance Water	1,500.00	Day	5	7,500.00
US Radon	7,500.00	LS	1	7,500.00
Enviro Testing				7,296.25
Labor	850.00	Day	5	4,250.00
Travel	0.55	mile	425	233.75
Vehicle	262.50	Day	5	1,312.50
Lodging	300.00	Day	5	1,500.00

Hunt, Claire

From: Laure Kovacs [laure@allianceh2o.com]
Sent: Tuesday, August 04, 2009 2:18 PM
To: Hunt, Claire
Subject: RE: Request for Bid

Hi Claire,

Based on the information provided, I would quote the rate of \$150/hour. If you wait until next week, John will be back and able to give you a more detail and precise quote.

Regards,

Laure Kovacs
Office manager

From: Hunt, Claire [mailto:Claire.Hunt@aecom.com]
Sent: Tuesday, August 04, 2009 1:25 PM
To: Laure
Subject: Request for Bid

Laure,

Please provide a cost estimate for the attached scope of work.

Regards,
Claire Hunt
D 973.337.4216
claire.hunt@aecom.com

AECOM Technical Services, Inc.
300 Broadacres Drive
Bloomfield, NJ 07003
T 973.338.6680 F 973.338.1052
www.aecom.com

8/5/2009

Hunt, Claire

From: usradon@aol.com
Sent: Wednesday, August 05, 2009 9:33 AM
To: Hunt, Claire
Subject: Re: Request for Bid

Claire our bid for doing only the communication testing at the 3 facilities mentioned will be \$7500.00 this includes all travel and hotel expenses. This does not include design, sketching of systems design or etc.

Thank you for this opportunity to service your requirements.

Norman E. Johnson
President
US Radon Inc.

In a message dated 8/4/2009 1:40:38 P.M. Eastern Daylight Time, Claire.Hunt@aecom.com writes:

Please provide a bid estimate for the attached scope of work by noon on 8/6/09, if possible.

Regards,

Claire Hunt

AECOM Technical Services, Inc.

D 973.337.4216

8/5/2009

ENVIRO TESTING



27 Downs Avenue
Binghamton, NY 13905
(607) 770-9098
Fax: (607) 729-5154
www.envirotesting.net

August 5, 2009

Ms. Clair Hunt
% Earth Tech/AECOM
300 Broadacres Drive
Bloomfield, NJ 07003

Re: Soil Gas Ventilation
Field Diagnostics
700-712 Main Street
Westbury, NY 11590

Dear Ms. Hunt:

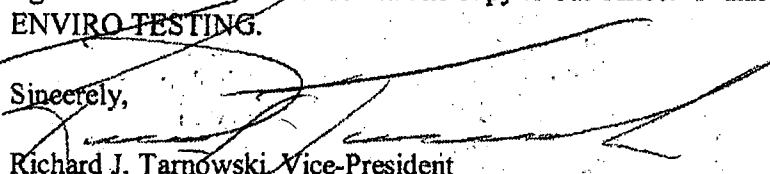
Reference is made to your August 4, 2009 e-mail request for the above noted.

Per our August 5, 2009 telephone discussion, I am enclosing our field rates to provide a two man crew and necessary equipment to work with your on site representative.

ENVIRO TESTING personnel will perform all physical activities outlined in your August 4, 2009 e-mail and provide the information gathered to the on-site Earth Tech representative.

If the above noted work description and attached rates meet with your approval, please sign where referenced and return one copy to our office. Thank you for contacting ENVIRO TESTING.

Sincerely,


Richard J. Tarnowski, Vice-President

Enclosure

RJT/tms

ACCEPTANCE OF PROPOSAL

Signature _____

Date _____

2009 Labor Rate and Equipment Schedule

Project: Earth Tech Soil Vapor Diagnostics
700-712 Main Street
Westbury, NY 11590

Contractor: ENVIRO TESTING

Trade: Soil Gas Diagnostics

<u>Positions</u>	<u>Straight Time</u>
Field Supervisor	\$45.00/hour
General Laborer	\$40.00/hour

Equipment

Light Duty Construction Vehicles: \$175.00/day plus mileage (.55/mile) - Includes the following equipment in each company vehicle.

Extension ladder - 24 ft.	Work Boots	Tarps, drop cloths
4', 6', 8' Step ladders	Vacuum meter	First aid kit
Basic hand tools	Plastic tubing	Safety glasses
Circular saw	PVC handsaw	Hard hat
Sawzall	Shop vac	Leather gloves
Cordless drill with bits	Roto zip	Chalk line
Corded drill	Hole hog drill	Pry bar
Roto hammer drill (SDS, spline)	5/16 nut driver	Tape measure
Extension cords (100', 25', etc.)	5" core bit	Utility knife
GFCI protector	Two 5 gallon buckets	Concrete equipment
3-way splitter	Levels (torpedo, 2 ft. & 4 ft.)	Flashlight
Concrete chisel and hammer	2 safety cones, caution tape	Trouble light

ENVIRO TESTING



27 Downs Avenue
Binghamton, NY 13905
(607) 770-9098
Fax: (607) 729-5154
www.envirotesting.net

Project Cost Estimate Soil Gas Field Diagnostics 700-712 Main Street Westbury, NY 11590

1)	Travel to/from Project Site 425 miles @ .55/mile Labor - No Charge	\$ 233.75
2)	On-site work activities as directed by Earth Tech representative. Estimate 10 hours at \$85.00/crew hour	\$ 850.00
3)	Light Duty Construction Vehicle 1.5 days at \$175.00/day	\$ 262.50
4)	Overnight lodging and meals per diem. Estimate \$300.00	\$ 300.00
Total Estimated Project Cost		\$ 1,646.25

Accepted

Date

Geophysical Survey Subcontractor

				Enviroprobe	Advanced Geological Services	Geophysical Applications, Inc.
	State:			NJ	PA	MA
Activity		Unit				
1)	Mobilization/Demobilization: Mob/Demob of all equipment for the entire work period including geophysical instruments, support vehicles, incidental materials, lodging and meals. This item shall include expenses incurred, and level D PPE.	lump sum	1	100	Note 1	1030
2)	10 Hour Field day for Underground Utility Location surveys (ground penetrating radar, electromagnetic, magnetometer, radio detection, etc.) and Underground Storage Tanks	day	1	1400	1200	2050
3)	Hours in excess of a 10-hr day	hour	0	0	-- 0 --	0
4)	Documentation (scaled sketch map showing utilities, tanks, etc.)			NA	NA	NA
	Total			1500	1200	3080



PROPOSAL FOR GEOPHYSICAL SERVICES

TO BE PERFORMED AT

North Hempstead, NY

PREPARED FOR

**Saby Chatterjee
AECOM**

**300 Broadacre Drive
Bloomfield, NJ 07003**

PREPARED BY

Daniel D. Jonasz
ENVIROPROBE SERVICE, INC.
221 Haddon Avenue
Westmont, New Jersey 08108

July 23, 2009

Proposal Number 90723-GPR3

INTRODUCTION

Enviroprobe Service, Inc. (Enviroprobe) is pleased to provide the following quotation for Geophysical Services to AECOM. Enviroprobe maintains a staff of qualified drillers, Geophysical technicians and chemists who provide Geoprobe (DPT), Geophysical (GPR/EM) and mobile Gas Chromatography (GC) services to the environmental consulting and engineering community.

SCOPE OF WORK

Enviroprobe will mobilize and supply a **250 MHz cart-mounted GPR and qualified operator**. The Enviroprobe day-rate includes eight (8) hours site time for the GPR and operator. Enviroprobe will also supply a **Fisher TW-6 Magnetic Locator** and a **Radio Detection (RF)** radio frequency pipe and cable locator for the detection of metallic objects. (The RF can locate non-metallic lines utilizing Tracer Lines and a Sonde.)

The purpose of this geophysical investigation is to clear boring locations. Enviroprobe will designate existing X, Y, and Z locations for all detected subsurface utilities including electrical conduits, sanitary sewer laterals, storm sewer drains, gas lines, and water lines within the client specified areas. All findings will be marked on site with paint and/or pin flags and discussed with the client representative. This proposal is based on a day-rate and not lump sum. A basic Letter report will be generated at no additional cost.

All areas to be investigated should be clear for walking. Any traffic in the immediate area needs to be diverted for geophysical activities. No boring or excavation activities should be performed within 2.5' (plus the assumed width of the utility) of any marked utilities. Hand clearing or vacuum-excavation should be performed within 2.5' of any marks. Enviroprobe does not guarantee that utilities will not be encountered during drilling and/or excavation. Markout services performed by Enviroprobe do not satisfy state markout requirements. By law, the appropriate state markout service must be notified prior to any digging activities (i.e. NJ one-call, PA one-call, CT call before you dig, MD & VA miss utility or dig safely NY).

The N250 or N500 GPR unit can penetrate soil at depths of up to eight meters (24'), but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate the GPR signal to greatly reduce the depth penetration achieved. Penetration is greatest in unsaturated sands and fine gravels. Clayey, highly saline and moist soils as well as areas covered by steel reinforced concrete and foundry slag cause reduced GPR penetration.

GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern (AOCs) requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating and/or drilling around underground structures and

utilities since GPR data can only be used for estimation purposes and GPR data is subject to misinterpretation.

COST ANALYSIS

The following represents the estimated costs for performing a limited scope of work consisting of investigation and location previously described.

Mobilization/Demobilization (North Hempstead, NY)

Geophysical Equipment and Operator.....\$ 100.00

Geophysical Equipment and Operator

1 (8 Hr.) days on site (\$ 1,400.00/8-Hr. Day).....\$ 1,400.00

Reporting

Mark on Site and Basic Letter Report.....\$ N/C

Activity Costs

\$ 1,500.00

ACCEPTANCE OF CONTRACT

This Agreement is made this _____ day of _____, 20____,
between AECOM and Enviroprobe Services, Inc. (Enviroprobe) for the services and
compensation as presented herein. Upon acceptance of this Agreement, please provide an
executed purchase order for the required services.

Daniel D. Jonasz

Enviroprobe Representative

Client Representative
(Name and Title)

Signature

Signature

TERMS AND CONDITIONS

1. GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern (AOCs) requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating and/or drilling around underground structures and utilities since GPR data can only be used for estimation purposes and GPR data is subject to misinterpretation.
2. Free and clear access to all work areas must exist for all equipment.
3. All work will be completed in a professional workmanlike manner as per standard industry practices.
4. This contract does not include any site restoration, unless otherwise specified.
5. Any damage claims arising from performance of this project shall be strictly limited to the costs of services provided by Enviroprobe Service, Inc.
6. Any costs arising from alteration or deviation from the project specifications will be incurred by the Client.
7. Enviroprobe is not liable for damages caused by delays in performance of the services which arise from events beyond its reasonable control.
8. In the event that Client or Client's principal shall bring any suit, cause of action or counterclaim against Enviroprobe, to the extent that Enviroprobe shall prevail, the party initiating such action shall pay to Enviroprobe the costs and expenses incurred to answer and or defend such action, including reasonable attorney's fees and court costs. In no event shall Enviroprobe indemnify any other party for the consequences of the party's negligence, including failure to follow Enviroprobe's recommendations.
9. Enviroprobe is not responsible for the accuracy or validity of information obtained from others and utilized in the services covered under this contract.
10. In the event that the Client requests termination of the work prior to the completion of the contract, Enviroprobe reserves the right to complete such analysis and records as are necessary to place its files in order and where considered by it necessary to protect its professional reputation, to complete a report on the work performed to date.
11. Invoices not paid within 30 days of billing are subject to a 1.5% interest charge per month.



3 Mystic Lane
Malvern, PA 19355
(610) 722-5500
(610) 722-0250 Fax

PROPOSAL FOR LIMITED GEOPHYSICAL SERVICES

AGS Proposal Number: AGS-09-223-1

Date: July 23, 2009

Client: AECOM/Earth Tech, Inc.			Telephone: 973-338-6680
Address: 300 Broadacres Drive,			email: saby.chatterjee@aecom.com
City: Bloomfield	State: NJ	Zip: 07003	Contact Person: Saby Chatterjee

Site: New Hampstead Site			Telephone: ()
Address: 307			
City: New Hampstead	State: NY	Zip:	Contact Person:
Description of Site: Clear six proposed drilling locations of underground utilities.			

1.0 Scope of Work

AGS is pleased to provide Earth Tech, Inc (the "Client") with limited geophysical survey services (the "Investigation"). Based on our current understanding, the objective of this investigation is to clear six proposed soil boring located inside of a building of buried utilities and potential subsurface drilling hazards.

1.1 Proposed Field Methods

AGS proposes to meet the objective of this investigation by using the radio frequency (RF) utility locating method and the ground penetrating radar (GPR) geophysical method. The RF method can be used to trace active electric lines when in the passive mode, and trace other utilities via direct hookup or induction. A RD400 or RD4000 by Radio-Detection, Inc. will be used for the RF portion of the survey.

GPR data will be collected in an approximate grid pattern across each proposed drilling location to identify any utilities. GPR data will be collected using a GSSI SIR-2, or SIR3000 imaging system and a 400 Megahertz (MHz) antenna.

AGS will clear a 10-foot radius around each proposed drilling location, space permitting. It is anticipated that these instruments will provide the required resolution and depth of investigation necessary to meet the project objective.

AGS anticipates that the above-described fieldwork will be completed in one-half (½) day. Like all fieldwork, AGS' performance of the Investigation could be delayed or interrupted by unfavorable weather conditions or other causes not under the control of AGS. In such event, AGS will attempt to reschedule the Projected Start Date or continue with the Investigation as soon as possible, taking into consideration other scheduled work or subsequent force majeure events.

1.2 Deliverables

The geophysical data collected during this investigation will be archived at the AGS office. AGS will submit a Letter Report of Findings (the "Report") for the site location, at the conclusion of the Investigation. The Report is anticipated to include:

- a description of survey methods,
- a summary of field activities, and
- results of the investigation

AGS will set forth its findings in the Report, following the guidelines outlined above, to be delivered to the Client within fourteen (14) business days after completion of the field survey. Because all underground anomalies may not be recognized during the on-site portion of this investigation, it is recommended that no excavation or other construction-related activities should be initiated until the final review has been completed.

AGS will undertake the above-described work, including the preparation of a Report subject to the following terms, including the warranty and disclaimer provisions contained therein, and the accompanying General Terms & Conditions. Please read them carefully before authorizing AGS to proceed.

2.0 Proposed Costs

AGS proposes to perform the Investigation, in accordance with the terms and conditions herein, for the half-day rate (up to 4 hours on site) of **\$1,200.00** (the "Proposed Cost").

Unless otherwise noted, the Proposed Cost is all-inclusive, incorporating labor and materials, mobilization and demobilization, report preparation, mileage, tolls, etc. Costs of express mail service, if necessary, will be in addition to the proposed cost and no mark-up will be added.

Additional field days, if necessary and authorized by the client, will be charged at a daily rate of Two Thousand Dollars (\$2,000.00), plus expenses. Additional reporting time, if required to complete client requested tasks beyond those proposed above (Section 1.2, Deliverables) will be charged at \$85.00 per hour. Invoices will be issued at the completion of the Investigation, delivery of the Report and/or end of the month, payable net 10 days from the date of the invoice.

3.0 Standard of Care

AGS warrants that its Investigation will be performed in accordance with the ordinary standard of care for similar services at the time and in the place where such services are rendered. Except as specifically provided in this paragraph no other warranty or representation, either express or implied, oral or written, is included or intended in this proposal, the field survey report or otherwise respecting the Investigation. In particular, depending upon the physical and geological characteristics of the site, as well as a number of other factors, underground items or features of the type described on page one of this Proposal and contract and the precise size, location and other characteristics thereof, cannot necessarily be accurately detected or described using ground penetrating radar, magnetic and electromagnetic detection devices or other devices and methods. Therefore, the investigation may not necessarily be effective in locating and describing such items and characteristics. No guarantees are made or implied regarding the absence of additional features beyond those implied.

In order for AGS to undertake and complete the work in a safe and efficient manner, Client shall:

- (i) make whatever arrangements are necessary to secure AGS lawful access to the Site at the date and time scheduled;
- (ii) provide AGS with a reasonable and unrestricted manner of ingress and egress to the site;
- (iii) provide adequate notice of any hazardous or dangerous conditions;
- (iv) assure that the site is free of debris and other obstructions, including dense vegetation that could hinder the conduct or progress of the Investigation;
- (v) provide AGS personnel, in advance of their arrival at the site, with adequate notice of any applicable work rules, health and safety plans for the site, and relevant information regarding the presence at or below the site of any hazardous substances or other pollutants; and
- (vi) manage and properly and legally dispose of any used personal protective equipment, decontamination fluids or related wastes generated by AGS during the course of the investigation, when such equipment or procedures are, in AGS' judgment, warranted due to the presence (or suspected presence) at the site of hazardous substances or pollutants.

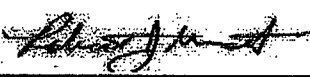
AGS reserves the right to discontinue the Investigation and withdraw from the site if such requirements are not met, or if performance of the Investigation would, in AGS' judgment, pose an unreasonable risk to AGS personnel or equipment.

This proposal is subject to the General Terms & Conditions contained herein. The pricing quoted will remain in effect for a period of sixty (60) days from the date of this quotation. After 60 days, AGS reserves the right to revise the quotation. This proposal is based on laws currently in effect. Should any laws change, AGS reserves the right to amend this proposal.

Your acceptance and authorization to proceed with this project may be accomplished by signing this proposal and returning it to us. Please enclose a copy of the most recent site plan drawing concerning the area of investigation, if available at this time. We appreciate the opportunity to provide you with our geophysical investigation services. If you have any questions, please feel free to contact us at any time.

Respectfully submitted,

ADVANCED GEOLOGICAL SERVICES, INC.



Robert J. Mundt

President
Title

Accepted and Authorized by Client:

Name

Date

Print Name & Title:

GEOPHYSICAL APPLICATIONS

INCORPORATED

July 23, 2009

Dr. Saby Chatterjee
AECOM
30 Broadacres Drive
Bloomfield, NJ 07003

phone: 973-338-6680
fax: 973-338-1052

Subject: Proposal for Geophysical Services
Borehole Clearance for Monitoring Wells
North Hempstead, NY – Nassau County

Dear Dr Chatterjee:

Geophysical Applications, Inc. is pleased to submit this proposal for surveys designed to detect possible subsurface utilities and other drilling impediments to a depth of approximately 8 to 10 feet near six proposed borings. We understand that the survey area is a paved parking lot with vehicular access.

We propose to complete this survey using ground penetrating radar (GPR) profiling, augmented with pipe and cable locating instruments and a handheld metal detector. We recommend that AECOM have Dig Safe markouts completed prior to geophysical surveying.

PROPOSED WORK SCOPE

Survey Grid

We will establish a reference grid up to 20 by 20 feet in size centered on each proposed boring location before geophysical data acquisition. The grids will be denoted by chalk or spray paint marks at 5-foot intervals. The grids will be referenced to nearby semi-permanent features (walls, fences, curbs, etc. if possible). If the boring locations are not pre-numbered, we will establish our own numbering system for our sketch maps. Grid corner coordinates can be spray painted for future grid reconstruction if desired by AECOM.

Ground Penetrating Radar Profiling

GPR data will be obtained with a GSSI model SIR-2000 radar instrument coupled to a 400-Megahertz antenna. GPR can typically identify large or laterally-extensive objects (including metallic or concrete pipes) at depths up to 8 or 10 feet below ground surface in granular soils. Pipes or conduits less than two inches in diameter may only be detected at depths less than a couple of feet. PVC or vitreous clay pipes may not always be detected by GPR.

Shallow groundwater, concrete slabs, reinforcing steel, or electrically conductive materials (especially clay or residual roadway deicing salts) may reduce GPR signal-penetration depths. In addition, GPR signals cannot penetrate standing water (i.e. puddles). GPR data will be displayed on a color monitor to facilitate preliminary on-site data interpretation. Digital GPR data will also be downloaded to a computer and transferred to a CD-ROM for archival purposes.

GPR profiling will be performed along perpendicular traverses located 2.5 feet apart. Additional traverses may be recorded as needed to resolve the lateral extent of buried objects identified during the fieldwork.

Pipes or other discrete objects typically produce inverted U-shaped GPR reflections. We will interpret buried objects' dimensions directly from GPR records. Inferred objects' depths will be estimated using GPR signal velocities from similar sites.

We will conduct a preliminary interpretation of the GPR data in the field, per AECOM's request. Obvious interpreted utilities will be marked on the ground surface within each survey area. If a proposed boring location needs to be shifted, we will mark a preferred drilling location on the ground. A final GPR interpretation will be performed in our offices using GSSI's RADAN for Windows software package. Note that post-processing sometimes reveals additional drilling obstructions not evident in the raw data. We generally recommend that drilling be performed after completion of these final sketches; however we realize that this may not always be possible.

Final GPR interpretations will be shown on hand-drawn sketch maps, accompanied by a brief report that describes the survey methods and results. Copies of these sketches can be faxed to AECOM as they are completed upon request.

Pipe and Cable-Locating Instruments

Up to three pipe-locating instruments will be available on-site to help trace metallic pipes, or to spot-check GPR reflections judged to possibly represent buried metal. The Schonstedt model GA-72CD instrument emits a high-pitched audible tone near ferrous objects. It can help distinguish GPR reflections caused by ferrous objects (such as pipes) from non-ferrous objects (such as boulders).

The Metrotech model 810 and Radiodetection models RD400 and RD4000 instruments use separate transmitting and receiving units to trace weak electrical signals induced in metallic pipes or cables. Current induction is achieved by connecting the transmitter to a visible portion of the desired pipe or cable, or (in suitable conditions) placing the transmitter on the ground surface above the subject pipe or cable. The induced current is subsequently traced with a handheld receiver unit. In most cases, these instruments can estimate buried pipe or cable depths in inches.

The Metrotech 50/60 and the RD instruments in the passive mode detect cables carrying an active electric current under load. We will scan each proposed borehole location with this method to look for energized lines within the survey grid.

SCHEDULE AND BUDGET

AECOM's requested breakdown of our fees is detailed below. Our day rates are taken from our March 2008 contract with AECOM for New York State sites. We anticipate completing this fieldwork in one day on site (up to a 10-hour day). The actual field work duration will depend on several factors including the complexity of the interpretation and the amount of pipe-locating performed.

The costs listed below include one geophysicist and all expenses required for mobilization/demobilization, travel, data acquisition and analysis, and report preparation. If AECOM desires to increase the scope of work, we have also provided a half-day rate, as requested.

- Mobilization to the site the night before, including overnight stay \$ 1,030
- Daily rate for survey crew (one person, 10-hour day) \$ 2,050

- Half-day rate for survey crew (one person, 4 to 5 hours) \$ 1,030
- Hourly overtime rate beyond 10 hours per day \$ 160 per hour

Our fees assume standard payment terms of net 30 days. We can provide an insurance certificate upon request as evidence of current commercial general liability, professional liability, automobile liability, and worker compensation insurance.

Please note that survey coverage will be most thorough if aboveground obstacles, such as cars, equipment, debris and dumpsters are removed prior to gridding and geophysical surveying. If this survey is conducted during cold weather, the use of deicing salts should be avoided before and during the survey, as these substances can greatly reduce GPR signal penetration.

We appreciate this proposal opportunity, and we look forward to working with you. Please call the undersigned at 508/429-2430 if you need additional information to evaluate our proposal, or to schedule this survey.

Sincerely,

GEOPHYSICAL APPLICATIONS, INC.

C. Sullivan
Charlene Sullivan
Geophysicist

M.E. Blackey
Mark E. Blackey
Principal and Geophysicist

AECOM_N Hempstead-hdr.doc

Soil Cutting Disposal Subcontractor

Roll Offs	Unit	Qty	EWMI	Total Pure Earth	Total Cycle Chem	Total
Disposal	ton	15	275	4,125	95	1,425
Spot Container	ea	1	475	475	650	650
Transportation to Disposal Facility	ea	1	750	750	2,300	2,300
Roll Off Rental	day	21	15	315	20	420
Liner	ea	1	50	50	45	45
Demurrage	hr	1	100	100	85	85
				5,815	4,925	4,925
Drums	ea	5	85	425	300	1,500
Transportation if not included above	ea	1	350	350 included	650	650
Manifest	ea	1			25	25
QA/QC	ea	1			40	40
Fuel Surcharge			0%	0	0	18%
Tax			1.43%	11	21	1.43%
				775	1,500	65
Total				6,590	6,425	7,135



14 Brick Kiln Court
 Northampton, PA 18067
 Ph: (484) 275-6900
 Fax: (484) 275-6970
 www.ewmi-info.com

July 29, 2009

Phone: (973) 338-6680
 Fax: (973) 338-1052

Mr. Saby Chatterjee
 AECOM Environment
 300 Broadacres Drive
 Bloomfield, NJ 07003

REFERENCE: **FOB #103173 – FORMAL QUOTATION**
IDW Waste – NYSDEC – North Hempstead, NY

Dear Mr. Chatterjee:

Environmental Waste Minimization, Inc. (EWMI) is pleased to provide this proposal for the materials referenced below. Our pricing is based upon your email correspondence dated July 27, 2009.

Pricing Summary:

Waste Stream	Waste Category	Specifications	Price per Unit
1	Soil Cuttings	➤ RCRA Non-Hazardous ➤ DOT Non-Regulated ➤ No Free Liquids	\$105.00/ton Or \$85.00/drum
2	Soil Cuttings	➤ RCRA Hazardous (F002) ➤ DOT Regulated (Class II) ➤ No Free Liquids ➤ Must Meet Treatment Standards	\$275.00/ton Or \$250.00/drum

Roll-Off Container Spot Fee \$475.00/spot
 Roll-Off Container Rental Fee..... \$15.00/day
 Roll-Off Container Liner..... \$50.00/liner
 Transportation of Roll-Off Container to Disposal Facility..... \$750.00/load
 Transportation of Drums \$350.00/load

Notes:

1. Disposal pricing contingent upon waste approved and accepted by designated disposal facility.
2. Generator or designated agent must sign waste profile sheets and waste shipping papers.
3. Generator is responsible for any additional charges due to non-conforming waste.

4. A no load fee of \$475.00/load will apply for trucks ordered and not used.
5. Loads requiring a washout will be subject to a \$350.00 washout fee.
6. Taxes, if applicable, are not included.
7. Per unit pricing shall prevail.
8. Free and clear access must be provided.

One (1) hour waiting, loading, and unloading time is included in your transportation rate. When additional time is required, a demurrage charge of \$25.00 per quarter hour or fraction thereof will apply. In addition, should on-site field labor be required, Environmental Waste Minimization, Inc. (EWMI) will invoice this service at \$48.00 per hour per man, portal to portal.

An EPA identification number must be furnished in order to initiate a hazardous waste pickup. EWMI will assist the generator on obtaining an EPA identification number if requested for a fee of \$75.00.

EWMI has based our proposal on certain bidding assumptions. The cost estimates are our best good faith estimates on the amount of time and materials, which will be required to safely handle the projects. EWMI's team will work diligently and closely with AECOM Environment to effectively manage the project. EWMI will complete detailed daily records for all activities performed. Invoicing will be based on the task and the actual work completed. Estimates may be reduced or increased based on the actual time and materials utilized to complete the work. EWMI will communicate immediately and continuously throughout the project with AECOM Environment on progress. EWMI's invoicing will be based on our unit rates quoted in this proposal and on our rate sheet for items not proposed.

This pricing is in effect for thirty (30) days from the date of this correspondence. Rates do not include any federal, state or local taxes or fees, including hazardous waste taxes, which may be imposed.

Upon award, this project will be administered and billed by Environmental Waste Minimization, Inc. Any purchase orders and/or contracts resulting from this quotation shall be executed in the name of Environmental Waste Minimization, Inc.

Environmental Waste Minimization, Inc. requires 100% payment within thirty (30) days of the date of invoicing (pending credit approval). A 1.5% surcharge will be added following the thirty (30) days.

To schedule this project, please contact Customer Service at 484.275.6900.

Please acknowledge and return a copy of this quotation along with a purchase order number to indicate your acceptance of these terms and the separate page of Environmental Terms and Conditions. Acknowledged quotations can be faxed to 484.275.6970 Attn: Customer Service Department.

The contents of this proposal are confidential and are provided to you for the sole purpose of bid evaluation and strategies for our environmental management services. Distribution or dissemination of any information contained within our proposal without the prior approval of EWMI is strongly discouraged. EWMI greatly appreciates your assistance in maintaining our innovative competitive programs.

On behalf of all of us at Environmental Waste Minimization, Inc., I greatly appreciate the opportunity in providing this proposal for your consideration. We look forward to a favorable review of our quotation and towards a future relationship. Should you have any questions, please contact us at 484.275.6900.

ACKNOWLEDGMENT:

Respectfully,

Greg Inman

(Electronic Signature)

Greg Inman
Sales Manager

Name: _____

Signature: _____

Date: _____

P.O. #: _____

Hunt, Claire

From: Chatterjee, Saby
Sent: Tuesday, August 04, 2009 5:08 PM
To: Hunt, Claire
Subject: Pure Earth Price

Attachments: img-8041445-0001.pdf



img-8041445-0001.
pdf (42 KB)

Attached is the pure earth's price quote. Its handwritten, I will ask him to make a formal submission

Saby Chatterjee, PhD
Project Manager
AECOM Environment
D 973.337.4210
Fax: 973-338-1052
Saby.chatterjee@aecom.com

-----Original Message-----

From: Stephen Shapiro [mailto:sshapiro@pureearthinc.com]
Sent: Tuesday, August 04, 2009 4:10 PM
To: Chatterjee, Saby
Subject: FW: North Hempstead

Saby,

Please contact me with any questions
Thanks

Steve Shapiro
Vice President
Pure Earth Disposal Group Inc.
2545 Hempstead Turnpike, Ste201
East Meadow, NY 11554
(516) 605 2110
(516) 605-2117 (Fax)
sshapiro@pureearthinc.com

-----Original Message-----

From: SSHAPIRO@PUREEARTHINC.COM [mailto:SSHAPIRO@PUREEARTHINC.COM]
Sent: Tuesday, August 04, 2009 3:45 PM
To: Jeff Berger; Stephen Shapiro
Subject: North Hempstead

HAZ

Roll Offs	Unit	Qty	Pure Earth	Total
Disposal	ton		12.98.00/Ton	0
Spot Container	ea	1	16.00 EA	0
Transportation to Disposal Facility	ea	1	12.50.00	0
Additional Charges	ea		Any Applicable Tax	0
Roll Off Rental	day		10.00/Day	0
Liner	ea		14.00	0
Demurrage	hr		1.00/hr	0
				0
Drums	ea		300.00/Drum	0
Transportation if not included above	ea			0
				0

Non-Haz

Roll Offs	Unit	Qty	Pure Earth	Total
Disposal	ton		21.00/ton	0
Spot Container	ea	1	230.00 EA	0
Transportation to Disposal Facility	ea	1	270.00 EA	0
Additional Charges	ea		Any Additional Tax	0
Roll Off Rental	day		20.00/day	0
Liner	ea		15.00	0
Demurrage	hr		10.00/hr	0
				0
Drums	ea		129.00/Drum	0
Transportation if not Included above	ea			0
				0

Hunt, Claire

From: Frank Amador [frank.amador@cyclechem.com]
 Sent: Monday, July 27, 2009 3:39 PM
 To: Chatterjee, Saby
 Subject: BallParkEstimate_1.doc

Cycle Chem, Inc

201 South First Street Elizabeth, NJ 07206 PHONE: 908-355-5800, FAX: 908-355-0562

Estimated Cost For Waste Disposal

Date Printed: 7/27/09 Estimate Number: 20735-1 NORTH HEMPSTEAD, NJ Sales Code: MEY

Contact: SABY CHATTERJEE Phone: (973) 338-6680 Fax: (973) 338-1052

Customer: 947381-AECOM ENVIRONMENT

Product Code	Description	Volume	Units	Price	Total
PC04	NON HAZ DRILL CUTTING	TBD	55 G DM	\$73.00	TBD
PC04 terms of pricing: Non-RCRA only; PH 4-10; FP >140 F; Heat of dilution < 10 deg. C; Bulks to off-load must have full and empty weight tickets if priced per ton					
CM1	SOIL CONT. W/ TCE & PCE- D waste and total vols <500 PPM	TBD	55 G DM	\$184.00	TBD
CM1 terms of pricing: Debris <3' x 3' x 3'; VOC <500 PPMW; sulfides <500 PPM; total cyanides <590 PPM; amenable cyanide <250 PPM; no free liquids; FP > 140 F; PH 4-10; PCB <10 PPM; EPA waste codes D004-D011, D018, D019, D022-D030, D039, D040, D043 only; No Activated Carbon					
R02	SOIL CONT. W/ TCE & PCE- F waste	TBD	55 G DM	\$312.00	TBD
R02 terms of pricing: Must be shreddable; PH 4-10; <250 PPM reactive cyanide; <500 PPM reactive sulfides; halogens <5; no intact containers; <50 PPM PCB, no concrete/bricks or metal pipes					

Estimated Disposal Cost	TBD
Manifest Preparation at \$25.00 per manifest	\$25.00
Label Preparation	TBD
QA/QC Fee (1 at \$40.00 /load)	\$40.00
5% Regulatory Administrative Fee	TBD
Transportation (1 load at \$650.00 /load)	\$650.00
Fuel Surcharge on Transportation Charges @ 18.00%	\$117.00
Estimate Total	TBD

8/5/2009

Estimate Notes: Fuel surcharge is adjusted week to week, and may be different at the time of pick-up. Demurrage rate is \$75.00 /hr after 1 hr(s).

This is a price estimate based upon the information provided by the contact indicated above. **THESE ARE NOT FIRM PRICES.** Firm pricing will be established after the submittal and approval of a completed Material Profile Sheet (MPS) and the generation of a formal quote letter. *Off-spec charges may be applied to waste received that does not conform/match the approved profile.* This estimate is valid for 30 days. Any cancellation requires a 24 hour notice prior to pick up or a fee of up to 50% of the transportation cost may be applied.

NJ Recycling Tax of \$3.00/Ton for bulk or 1.43% for containerized waste will be added to all shipments of non-RCRA solids (ID27), asbestos (ID27A) or household hazardous waste (ID10). If Cycle Chem arranges transportation, NJ Hazardous Tax of \$1.67/Ton will be added to all shipments of RCRA-hazardous waste.

If the above conditions and charges are acceptable, please sign and date and fax back to CCI at (908) 355-0562. If there are any questions regarding this proposal, please contact Todd Meyer or Frank Amador at (908) 355-5800.

Signature: _____ Date: _____
PO# _____

Estimate Number: 20735-1 NORTH HEMPSTEAD, NJ

Hunt, Claire**From:** Frank Amador [frank.amador@cyclechem.com]**Sent:** Monday, July 27, 2009 3:44 PM**To:** Chatterjee, Saby**Subject:** BallParkEstimate.doc

Cycle Chem, Inc

201 South First Street Elizabeth, NJ 07206 PHONE: 908-355-5800, FAX: 908-355-0562

Estimated Cost For Waste Disposal

Date Printed: 7/27/09 **Estimate Number:** 20735-1 **Address:** NORTH HEMPSTEAD, NJ **Sales Code:** MEY

Contact: SABY CHATTERJEE **Phone:** (973) 338-6680 **Fax:** (973) 338-1052

Customer: 947381-AECOM ENVIRONMENT

Product Code	Description	Volume	Units	Price	Total
PC01	NON HAZ DRILL CUTTING	TBD	per TON, RO	\$113.00	TBD
PC01 terms of pricing: plus \$100 handling fee; 5 ton Minimum billing; Non-RCRA only; No free liquids; Heat of dilution < 10degrees C; PH 4-10; FP >140 F; Bulk loads must have full and empty weight tickets and density >1000#/cu yd; No intact drums; No fine, dusty material					

Estimated Disposal Cost	TBD
Manifest Preparation at \$25.00 per manifest	\$25.00
QA/QC Fee (1 at \$40.00 /load)	\$40.00
5% Regulatory Administrative Fee	TBD
Estimate Total	TBD

Estimate Notes: Transportation not included.

This is a price estimate based upon the information provided by the contact indicated above. **THESE ARE NOT FIRM PRICES.** Firm pricing will be established after the submittal and approval of a completed Material Profile Sheet (MPS) and the generation of a formal quote letter. *Off-spec charges may be applied to waste received that does not conform/match the approved profile.* This estimate is valid for 30 days. Any cancellation requires a 24 hour notice prior to pick up or a fee of up to 50% of the transportation cost may be applied.

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If the above conditions and charges are acceptable, please sign and date and fax back to CCI at (908) 355-0562. If there are any questions regarding this proposal, please contact Todd Meyer or Frank Amador at (908) 355-5800.

Signature: _____ Date: _____
PO# _____

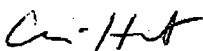
Estimate Number: 20735-1 NORTH HEMPSTEAD, NJ

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

Subcontract Certification

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

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



8/6/09

Signature of Contractor's Authorized Representative

Date

Earth Tech Northeast Inc.

D004436-32

Contractor Name

Contract No. WA No.

Advanced Geological Services, Inc.

Subcontractor Name

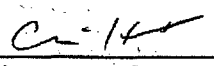
3/2/07

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

Subcontract Certification

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

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


Signature of Contractor's Authorized Representative
Earth Tech Northeast Inc.

8/6/09
Date

D004436-32

Contractor Name

Contract No. WA No.

Pure Earth Disposal Group

Subcontractor Name

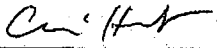
3/2/07

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

Subcontract Certification

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

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2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
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	8/6/09
Signature of Contractor's Authorized Representative	Date
Earth Tech Northeast Inc.	D004436-32
Contractor Name	Contract No. WA No.
Test America	
Subcontractor Name	

3/2/07

Subcontract Certification

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
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8/6/09
Date

D004436-32

Contract No. WA No.

3/2/07

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

Subcontract Certification

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

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9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

 Am. H. K.
Signature of Contractor's Authorized Representative

8/6/09
Date

Earth Tech Northeast Inc.

D004436-32

Contractor Name

Contract No. WA No.

Enviro Testing

Subcontractor Name

3/2/07

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

Subcontract Certification

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

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2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
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9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.


Signature of Contractor's Authorized Representative

Earth Tech Northeast Inc.

Contractor Name

YEC, Inc.

Subcontractor Name

8/6/09

Date

D004436-32

Contract No. WA No.

3/2/07

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.
 TABLE 1.0
 SUMMARY OF BUDGETED PROJECT COSTS

TASK	Direct Labor (a)	Indirect Costs 146.80%	Fixed Fee 10.5%	Travel & Subsistence	Other Direct Costs(c)	Cost plus Fixed Fee (d) Subcontractor	Sub Con Management Fee 5%	Unit Price (e) Subcontractor	TOTAL COLUMNS (1A-5)
Task 1 - Scoping	\$5,124.80	\$7,523.21	\$1,328.04	\$169.60	\$0.00	\$0.00	\$0.00	\$0.00	\$14,145.65
Task 2 - Plans and Specifications	\$7,136.61	\$10,476.55	\$1,849.38	\$935.00	\$11.00	\$0.00	\$0.00	\$4,250.00	\$24,658.54
02.01 - Component 1 Preliminary Design	\$3,397.79	\$4,987.96	\$880.50	\$832.00	\$11.00		\$0.00	\$4,250.00	\$14,359.25
02.02 - Component 2 Intermediate Design	\$1,855.09	\$2,723.27	\$480.73	\$50.00	\$0.00				\$5,109.09
02.03 - Component 3 Final Design	\$1,127.79	\$1,655.60	\$292.26	\$50.00	\$0.00				\$3,125.65
02.04 - Component 4 Project Cost Estimate	\$755.94	\$1,109.72	\$195.89	\$3.00	\$0.00				\$2,064.55
Task 3 - Additional Studies	\$15,991.96	\$23,476.20	\$4,144.17	\$3,877.70	\$4,949.00	\$9,563.60	\$1,121.53	\$29,628.02	\$92,752.18
03.01 - Well Installation & Development Ov	\$4,259.10	\$6,252.36	\$1,103.70	\$1,104.00	\$1,475.00	\$9,563.60	\$1,090.63	\$23,660.02	\$48,508.41
03.02 - Well Sampling (9)	\$1,374.08	\$2,017.15	\$356.08	\$526.20	\$3,128.00	\$0.00	\$16.20	\$1,699.00	\$9,116.71
03.03 - Structure Sampling	\$1,594.33	\$2,340.48	\$413.16	\$701.60	\$346.00		\$14.70	\$4,269.00	\$9,679.27
03.04 - SSDS Installation Oversight	\$6,266.48	\$9,199.19	\$1,623.90	\$1,446.40	\$0.00				\$18,535.97
03.05 - SSDS Information Package Preparat	\$555.41	\$815.34	\$143.93	\$19.50	\$0.00				\$1,534.18
03.06 - Annual Long term Monitoring Repor	\$1,942.56	\$2,851.68	\$503.40	\$80.00	\$0.00				\$5,377.64
Sub Con Mgmt Rules MWBE always 5% Others 5% only when >10,000									
TOTALS	\$28,253.37	\$41,475.96	\$7,321.59	\$4,982.30	\$4,960.00	\$9,563.60	\$1,121.53	\$33,878.02	\$131,556.37

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.
SCHEDULE 2.11(a)
SUMMARY OF WORK ASSIGNMENT PRICE

1.	DIRECT SALARY COSTS (Schedules 2.10(a) and 2.11(b))	28,253
2.	INDIRECT COSTS (Schedule 2.10(g))	41,476
3.	DIRECT NON-SALARY COSTS (Schedules 2.10(d)(e)(f) and 2.11(c)(d))	9,942
SUBCONTRACT COSTS COST-PLUS-FIXED-FEE SUBCONTRACTS (Schedule 2.10(e) and 2.11(e))		
	NAME OF SUBCONTRACTOR	SUBCONTRACT PRICE
	YEC, Inc	9,564
	Engineering Support Services	
4.	TOTAL COST-PLUS-FIXED-FEE SUBCONTRACTS	9,564
UNIT PRICE SUBCONTRACTS (Schedule 2.10(f) and 2.11(f))		
	NAME OF SUBCONTRACTOR	SUBCONTRACT PRICE
	Test America	5,998
	EDS (WBE)	618
	Advanced Geological Services	1,200
	Enviro Testing	4,250
	Pure Earth	21,813
	Lab/Sampling	
	Data Validation	
	Survey	
	Pre-Design Survey Services	
	Disposal	
	Subcontract mgmt fee	1,122
5.	TOTAL UNIT PRICE SUBCONTRACTS	35,000
6.	TOTAL SUBCONTRACT COSTS (Lines 4 + 5)	44,563
7.	FIXED FEE (Schedule 2.10(h))	7,322
8.	TOTAL WORK ASSIGNMENT PRICE (Lines 1 + 2+ 3+ 6 + 7)	131,556

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

EARTH TECH NORTHEAST, INC.
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 TOTAL

LABOR CLASSIFICATION	IX	VIII	VII	VI	V	IV	III	II	I	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
Task 2 - Plans and Specifications	3.00	0.00	3.00	18.00	0.00	160.00	4.00	30.00	0.00	218.00	\$7,136.61
02.01 - Component 1 Preliminary Design	1.00	0.00	1.00	10.00	0.00	80.00	1.00	10.00	0.00	103.00	\$3,397.79
02.02 - Component 2 Intermediate Design	1.00	0.00	1.00	4.00	0.00	40.00	1.00	10.00	0.00	57.00	\$1,855.09
02.03 - Component 3 Final Design	1.00	0.00	1.00	2.00	0.00	20.00	1.00	10.00	0.00	35.00	\$1,127.79
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	2.00	0.00	20.00	1.00	0.00	0.00	23.00	\$755.94
Task 3 - Additional Studies	5.00	0.00	2.00	50.00	0.00	354.00	4.00	76.00	0.00	491.00	\$15,991.96
03.01 - Well Installation & Development Oversight (6)	1.00	0.00	0.00	10.00	0.00	88.00	1.00	36.00	0.00	136.00	\$4,259.10
03.02 - Well Sampling (9)	1.00	0.00	0.00	0.00	0.00	40.00	1.00	0.00	0.00	42.00	\$1,374.08
03.03 - Structure Sampling	1.00	0.00	0.00	5.00	0.00	40.00	1.00	0.00	0.00	47.00	\$1,594.33
03.04 - SSDS Installation Oversight	1.00	0.00	0.00	24.00	0.00	160.00	1.00	0.00	0.00	186.00	\$6,266.48
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	1.00	0.00	16.00	0.00	0.00	0.00	17.00	\$555.41
03.06 - Annual Long term Monitoring Report	1.00	0.00	2.00	10.00	0.00	10.00	0.00	40.00	0.00	63.00	\$1,942.56
TOTAL LABOR HOURS	10.00	0.00	5.00	108.00	60.00	534.00	16.00	106.00	0.00	839.00	
TOTAL LABOR DOLLARS	\$670.40	\$0.00	\$259.55	\$4,757.40	\$2,360.40	\$17,066.64	\$458.24	\$2,680.74	\$0.00		\$28,253.37

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2009

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$67.04	VIII \$65.55	VII \$51.91	VI \$44.05	V \$39.34	IV \$31.96	III \$28.64	II \$25.29	I \$17.42	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
	2.00	0.00	0.00	40.00	60.00	20.00	8.00	0.00	0.00	130.00	\$5,124.80
Task 2 - Plans and Specifications	3.00	0.00	3.00	18.00	0.00	160.00	4.00	30.00	0.00	218.00	\$7,136.61
02.01 - Component 1 Preliminary Design	1.00	0.00	1.00	10.00	0.00	80.00	1.00	10.00	0.00	103.00	\$3,397.79
02.02 - Component 2 Intermediate Design	1.00	0.00	1.00	4.00	0.00	40.00	1.00	10.00	0.00	57.00	\$1,855.09
02.03 - Component 3 Final Design	1.00	0.00	1.00	2.00	0.00	20.00	1.00	10.00	0.00	35.00	\$1,127.79
02.04 - Component 4 Project Cost Estimate	0.00	0.00	0.00	2.00	0.00	20.00	1.00	0.00	0.00	23.00	\$755.94
Task 3 - Additional Studies	5.00	0.00	2.00	50.00	0.00	354.00	4.00	76.00	0.00	491.00	\$15,991.96
03.01 - Well Installation & Development Oversight (6)	1.00	0.00	0.00	10.00	0.00	88.00	1.00	36.00	0.00	136.00	\$4,259.10
03.02 - Well Sampling (9)	1.00	0.00	0.00	0.00	0.00	40.00	1.00	0.00	0.00	42.00	\$1,374.08
03.03 - Structure Sampling	1.00	0.00	0.00	5.00	0.00	40.00	1.00	0.00	0.00	47.00	\$1,594.33
03.04 - SSDS Installation Oversight	1.00	0.00	0.00	24.00	0.00	160.00	1.00	0.00	0.00	186.00	\$6,266.48
03.05 - SSDS Information Package Preparation	0.00	0.00	0.00	1.00	0.00	16.00	0.00	0.00	0.00	17.00	\$555.41
03.06 - Annual Long term Monitoring Report	1.00	0.00	2.00	10.00	0.00	10.00	0.00	40.00	0.00	63.00	\$1,942.56
TOTAL LABOR HOURS	10.00	0.00	5.00	108.00	60.00	534.00	16.00	106.00	0.00	839.00	
TOTAL LABOR DOLLARS	✓ \$670.40	\$0.00	✓ \$259.55	✓ \$4,757.40	✓ \$2,360.40	✓ \$17,066.64	✓ \$458.24	✓ \$2,680.74	\$0.00		✓ \$28,253.37

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.
 SCHEDULE 2.11(b-1)
 DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED

LABOR CLASSIFICATION Avg Labor rate 200 - 2011	IX \$69.08	VIII \$67.55	VII \$53.49	VI \$45.39	V \$40.54	IV \$32.94	III \$29.52	II \$26.06	I \$17.95	LABOR HOURS	DIRECT LABOR
Task 1 - Scoping	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$164.47
	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$164.47
Task 2 - Plans and Specifications	4.00	0.00	0.00	0.00	0.00	8.00	8.00	0.00	0.00	20.00	\$775.92
02.01 - Component 1 Preliminary Design	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$193.98
02.02 - Component 2 Intermediate Design	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$0.00
02.03 - Component 3 Final Design	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$0.00
02.04 - Component 4 Project Cost Estimate	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$7.00
Task 3 - Additional Studies	2.00	0.00	0.00	0.00	0.00	4.00	3.00	0.00	0.00	9.00	\$358.45
03.01 - Well Installation & Development Oversight	1.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	5.00	\$193.98
03.02 - Well Sampling (9)	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$0.00
03.03 - Structure Sampling	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$0.00
03.04 - SSDS Installation Oversight	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$6.00
03.05 - SSDS Information Package Preparation	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$6.00
03.06 - Annual Long term Monitoring Report	1.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	4.00	\$164.47
TOTAL LABOR HOURS		0.00	0.00	0.00	0.00	14.00	12.00	0.00	0.00	33.00	\$1,298.83

Subject to contract allowability, project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
 - Conflict of Interest Check
 - Develop budget schedules and supporting documentation
2. Review work assignment (WA) progress
 - Conduct progress reviews
 - Prepare monthly project report and update WA progress schedule
 - M/WBE Activities
 - Program Management
 - Manage Subcontracts

3. CAP Preparation
 - Prepare monthly cost control report and CAF
 - Oversee CAP preparation
4. Miscellaneous
 - NSPE List Updates
 - Equipment use and inventory
 - Word Processing and Report Preparation

Contract/Project administration hours would not include activities such as:

1. QA/QC reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development (other than COI and budget preparation)
5. Review of deliverables

MONTHLY COST CONTROL REPORT
SCHEDULE 2.11(h)
SUMMARY OF LABOR HOURS
NUMBER OF DIRECT LABOR HOURS EXPENDED TO DATE/
ESTIMATED NUMBER OF DIRECT LABOR HOURS TO COMPLETION

TASK NO.	LABOR CLASS		IX		VIII		VII		VI		V		IV		III		II		I		TOTAL NO. OF DIRECT LABOR HOURS	
	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.	Exp	Est.
Task 1 - Scoping		2.0		0.0		0.0		40.0		60.0		20.0		8.0		0.0		0.0		0.0		130.0
		2.0		0.0		0.0		40.0		60.0		20.0		8.0		0.0		0.0		0.0		130.0
Task 2 - Plans and Specifications		3.0		0.0		3.0		18.0		0.0		160.0		4.0		30.0		0.0		0.0		218.0
02.01 - Component 1 Preliminary Design		1.0		0.0		1.0		10.0		0.0		80.0		1.0		10.0		0.0		0.0		103.0
02.02 - Component 2 Intermediate Design		1.0		0.0		1.0		4.0		0.0		40.0		1.0		10.0		0.0		0.0		57.0
02.03 - Component 3 Final Design		1.0		0.0		1.0		2.0		0.0		20.0		1.0		10.0		0.0		0.0		35.0
02.04 - Component 4 Project Cost Estimate		0.0		0.0		0.0		2.0		0.0		20.0		1.0		0.0		0.0		0.0		23.0
Task 3 - Additional Studies		5.0		0.0		2.0		50.0		0.0		354.0		4.0		76.0		0.0		0.0		491.0
03.01 - Well Installation & Development Oversight (6)		1.0		0.0		0.0		10.0		0.0		88.0		1.0		36.0		0.0		0.0		136.0
03.02 - Well Sampling (9)		1.0		0.0		0.0		0.0		0.0		40.0		1.0		0.0		0.0		0.0		42.0
03.03 - Structure Sampling		1.0		0.0		0.0		5.0		0.0		40.0		1.0		0.0		0.0		0.0		47.0
03.04 - SSDS Installation Oversight		1.0		0.0		0.0		24.0		0.0		160.0		1.0		0.0		0.0		0.0		186.0
03.05 - SSDS Information Package Preparation		0.0		0.0		0.0		1.0		0.0		16.0		0.0		0.0		0.0		0.0		17.0
03.06 - Annual Long term Monitoring Report		1.0		0.0		2.0		10.0		0.0		10.0		0.0		40.0		0.0		0.0		63.0
TOTAL		10.0		0.0		5.0		108.0		60.0		534.0		16.0		106.0		0.0		0.0		839.0

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(c1)

DIRECT NON-SALARY COSTS

ITEM	MAXIMUM REIMBURSEMENT RATE	UNIT	ESTIMATED NUMBER OF UNITS	TOTAL ESTIMATED COST
ODC				
Truck Mileage/Tolls				
Task 1 - Scoping				
Mileage	\$0.550	per mile	200	\$110.00
Toll	\$14.000	trip	2	\$28.00
Mileage	\$0.550	per mile	0	\$0.00
Task 1 TTL				\$138.00
Task 2 - Plans and Specifications				
02.01 - Component 1 Preliminary Design				
Mileage	\$0.550	per mile	500	\$275.00
Toll	\$14.000	trip	5	\$70.00
Task 02.01 TTL				\$345.00
Task 3 - Additional Studies				
03.01 - Well Installation & Development Oversight (6)				
Mileage	\$0.550	per mile	1,200	\$660.00
Toll	\$14.000	trip	12	\$168.00
Task 03.01 TTL				\$828.00
03.02 - Well Sampling (9)				
Van Rental	\$110.000	day	3	\$330.00
Gas for Van	\$0.30	miles	300	\$90.00
Toll	\$14.000	trip	3	\$42.00
Task 03.02 TTL				\$462.00
03.03 - Structure Sampling				
Van Rental	\$110.000	day	4	\$440.00
Gas for Van	\$0.30	miles	400	\$120.00
Toll	\$14.000	trip	4	\$56.00
Task 03.03 TTL				\$616.00
03.04 - SSDS Installation Oversight				
Mileage	\$0.550	per mile	1,600	\$880.00
Toll	\$14.000	trip	16	\$224.00
Task 03.04 TTL				\$1,104.00
			Direct Non-Salary Total	\$3,493.00

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.
 SCHEDULE 2.11(c2)
 DIRECT NON-SALARY COSTS

ITEM	MAXIMUM REIMBURSEMENT RATE	UNIT	ESTIMATED NUMBER OF UNITS	TOTAL ESTIMATED COST
ODC				
In House Costs				
Task 1 - Scoping				
Level D Equipment	\$15.00	day	2	\$30.00
Low Value Equipment	\$0.80	hr	2	\$1.60
Task 1 TTL				\$31.60
Task 2 - Plans and Specifications				
02.01 - Component 1 Preliminary Design				
Level D Equipment	\$15.00	day	5	\$75.00
Printing B&W cost (8.5X11)	\$0.03	page	6,000	\$180.00
Printing Color cost (8.5X11)	\$1.00	page	200	\$200.00
Low Value Equipment	\$0.80	hr	40	\$32.00
Task 02.01 TTL				\$487.00
02.02 - Component 2 Intermediate Design				
Printing B&W cost (8.5X11)	\$0.03	page	1,000	\$30.00
Printing Color cost (8.5X11)	\$1.00	page	20	\$20.00
Task 02.02 TTL				\$50.00
02.03 - Component 3 Final Design				
Printing B&W cost (8.5X11)	\$0.03	page	1,000	\$30.00
Printing Color cost (8.5X11)	\$1.00	page	20	\$20.00
Task 02.03 TTL				\$50.00
02.04 - Component 4 Project Cost Estimate				
Printing B&W cost (8.5X11)	\$0.03	page	100	\$3.00
Task 02.04 TTL				\$3.00
Task 3 - Additional Studies				
03.01 - Well Installation & Development Oversight (6)				
Level D Equipment	\$15.00	day	12	\$180.00
Low Value Equipment	\$0.80	hr	120	\$96.00
Task 03.01 TTL				\$276.00
03.02 - Well Sampling (9)				
Level D Equipment	\$15.00	day	3	\$45.00
Low Value Equipment	\$0.80	hr	24	\$19.20
Task 03.02 TTL				\$64.20
03.03 - Structure Sampling				
Level D Equipment	\$15.00	day	4	\$60.00
Low Value Equipment	\$0.80	hr	32	\$25.60
Task 03.03 TTL				\$85.60
03.04 - SSDS Installation Oversight				
Level D Equipment	\$15.00	day	16	\$240.00
Low Value Equipment	\$0.80	hr	128	\$102.40
Task 03.04 TTL				\$342.40
03.05 - SSDS Information Package Preparation				
Printing B&W cost (8.5X11)	\$0.03	page	150	\$4.50
Printing Color cost (8.5X11)	\$1.00	page	15	\$15.00
Task 03.05 TTL				\$19.50
03.06 - Annual Long term Monitoring Report				
Printing B&W cost (8.5X11)	\$0.03	page	1,000	\$30.00
Printing Color cost (8.5X11)	\$1.00	page	50	\$50.00
Task 03.06 TTL				\$80.00
Direct Non-Salary Total				\$1,489.30

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(d)3

Vendor Rented Equipment

ITEM	ESTIMATED QUANTITY	UNIT	COST	TOTAL BUDGET COST
ODC				
Vendor Rented Equipment				
Task 3 - Additional Studies				
03.01 - Well Installation & Development Oversight (6)				
a Water Level Indicator/Interface Probe	3	week	\$150.00	\$450.00
b PID	3	week	\$175.00	\$525.00
c YSI for Water Development	1	week	\$500.00	\$500.00
Task 03.01 TTL				\$1,475.00
03.02 - Well Sampling (9)				
a Water Quality Meter	1.00	week	\$400.00	\$400.00
b Water Level Indicator/Interface Probe	1.00	week	\$150.00	\$150.00
c QED Bladder Pump	1.00	week	\$150.00	\$150.00
d QED MP10 control unit	1.00	week	\$60.00	\$60.00
e QED 3020 Compressor	1.00	week	\$75.00	\$75.00
f PID	1.00	week	\$175.00	\$175.00
g Booster Pack Battery	1.00	week	\$30.00	\$30.00
Task 03.02 TTL				\$1,040.00
03.03 - Structure Sampling				
a PID	1.00	week	\$175.00	\$175.00
b Equipment for Permanent SubSlab Points	50.00	ea	\$3.00	\$150.00
				\$325.00
Vendor Rented Equipment Total				\$2,840.00 ✓

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(d)4

SITE-DEDICATED EQUIPMENT

ITEM	ESTIMATED QUANTITY	UNIT	COST	TOTAL BUDGET COST
ODC				
Dedicated Equipment				
Task 2 - Plans and Specifications				
02.01 - Component 1 Preliminary Design				
Field Note book	1.00	unit	11.00	\$11.00
Site Dedicated Equipmnt Total				\$11.00

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(d)5

CONSUMABLE SUPPLIES

ITEM	ESTIMATED QUANTITY		UNIT COST	TOTAL BUDGET COST
ODCs Ice/Misc Field Supplies/Shipping				
Task 3 - Additional Studies				
03.02 - Well Sampling (9)				
Teflon Tubing	1080	feet	\$1.40	\$1,512.00
Pump Changeout Kit	9	set	\$40.00	\$360.00
Air Tubing	1080	feet	\$0.20	\$216.00
			Task 03.02 TTL	\$2,088.00
03.03 - Structure Sampling				
Teflon Tubing	15	feet	\$1.40	\$21.00
			Task 03.02 TTL	\$21.00
	Consumable Supplies Total			\$2,109.00

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

CostFixedFee Company Name
 SCHEDULE 2.11(e)
 COST-PLUS-FIXED-FEE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE
YEC, Inc	Engineering Support Services	\$9,563.60

A. Direct Salary Costs 2006 - 2009							
Professional Responsibility Level	Labor Classification					Estimated No. of Hours	Total Estimated Direct Salary Cost
Title Here	NSPE IX					0.00	\$0.00
Principal	NSPE VIII					0.00	\$0.00
	NSPE VII					0.00	\$0.00
	NSPE VI					0.00	\$0.00
Sr Geologist/Scientist/Engineer	NSPE V					6.00	\$262.02
Staff Geologist/Scientist/Engineer	NSPE IV					4.00	\$151.72
Staff Geologist/Eng/CAD	NSPE III					86.00	\$2,832.84
Sr Technician/Staff Engineer	NSPE II					0.00	\$0.00
Technician/Draftsperson	NSPE I					10.00	\$220.70
Total Direct Salary Costs						106	\$3,467.28

B. Indirect Costs

Indirect costs shall be paid based on a percentage of direct salary costs incurred which shall not exceed a maximum of 117% or the actual rate calculated in accordance with 48 CFR Federal Acquisition Regulation, whichever is lower.

Budget for indirect costs is \$4,056.72

C. Maximum Reimbursement Rates for Direct Non-Salary Costs			
Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	Total Estimated Costs
Travel Costs			
Task 3 - Additional Studies			
03.01 - Well Installation & Development Oversight (6)			
Mileage	\$0.55 miles/trip (8 trips)	960	\$528.00
Tolls	\$18.50 day	8	\$148.00
Level D	\$10.00 mnday	7	\$70.00
Survey Equipment Rental	\$65.00 day	1	\$65.00
CAD Equipment	\$15.00 hour	0	\$0.00
GPS Tie-In	\$0.00 lump	1	\$0.00
Misc Materials	\$100.00 lump	1	\$100.00
			\$911.00
Total Direct Non-Salary Costs			\$911.00

D. Fixed Fee (15%)

The fixed fee is \$1,128.60

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

Cost Plus-Fixed Fee
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 TOTAL

LABOR CLASSIFICATION	IX	VIII	VII	VI	V	IV	III	II	I	LABOR HOURS	DIRECT LABOR
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$262.02	\$151.72	\$2,832.84	\$0.00	\$220.70		\$3,467.28

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

Cost Plus Fixed Fee
 NSPE
 SCHEDULE 2.11(b)
 DIRECT LABOR HOURS BUDGETED
 2009

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$0.00	VIII \$64.40	VII \$0.00	VI \$0.00	V \$43.67	IV \$37.93	III \$32.94	II \$24.36	I \$22.07	LABOR HOURS	DIRECT LABOR
Task 3 - Additional Studies	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
03.01 - Well Installation & Development Oversight (6)	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	\$3,467.28
TOTAL LABOR HOURS	0.00	0.00	0.00	0.00	6.00	4.00	86.00	0.00	10.00	106.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$0.00	\$262.02	\$151.72	\$2,832.84	\$0.00	\$220.70		\$3,467.28

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King
 Project No:
 Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.
 SCHEDULE 2.11(f)
 UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Test America	Lab/Sampling	\$0.00	0	\$5,997.50

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
Task 3 - Additional Studies					
03.01 - Well Installation & Development Oversight (6)					
Waste Characterization					
PP VOA	\$135.00 sample	1	\$6.75	\$0.00	\$135.00
DRO	\$112.50 sample	1	\$5.63	\$0.00	\$112.50
PCBs	\$100.00 sample	1	\$5.00	\$0.00	\$100.00
TCLP Metals	\$90.00 sample	1	\$4.50	\$0.00	\$90.00
Ignitability	\$25.00 sample	1	\$1.25	\$0.00	\$25.00
Paint Filter Test	\$25.00 sample	1	\$1.25	\$0.00	\$25.00
pH	\$12.50 sample	1	\$0.63	\$0.00	\$12.50
Reac CN	\$43.75 sample	1	\$2.19	\$0.00	\$43.75
Reac S	\$43.75 sample	1	\$2.19	\$0.00	\$43.75
TCLP Prep	\$60.00 sample	1	\$3.00	\$0.00	\$60.00
				\$0.00	\$647.50
03.02 - Well Sampling (9)					
Groundwater Sampling					
SW846 8260B					
(9 fld, 1f ld dup, 1 MS, 1 MSD, 1 Equip blnk, 2 Trip blnks)	\$85.00 sample	15	\$63.75	\$0.00	\$1,275.00
Shippng charge	\$100.00 shipment	1	\$5.00	\$0.00	\$100.00
				\$0.00	\$1,375.00
03.03 - Structure Sampling					
Air Sampling					
TO-15 ASP CAT B (10 field, 2 field dups, SubSlab)	\$225.00 sample	15	\$168.75	\$0.00	\$3,375.00
Flow Controller per sample	\$25.00 sample	12	\$15.00	\$0.00	\$300.00
Shipping per sample	\$25.00 sample	12	\$15.00	\$0.00	\$300.00
				\$0.00	\$3,975.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals				\$0.00	\$5,997.50

Air Sampling	Indoor Air	Outdoor Air	Duplicate	SubSlab
Property 2	2	1	1	1
Property 6	3	1	1	1
Property 9	2	1		1

Work Assignment No: D004436-32
 Engineer: AECOM Technical Services Northeast, Inc.
 Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.
 SCHEDULE 2.11(f)
 UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
EDS (WBE)	Data Validation	\$30.90	1	\$618.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5%		Total Estimated Costs
			Calculated	Validated	
Task 3 - Additional Studies					
03.02 - Well Sampling (9)					
Groundwater Sampling					
Analysis 15+3 extra for additional analysis	\$18.00 sample	18	\$16.20	\$16.20	\$324.00
				\$16.20	\$324.00
03.03 - Structure Sampling					
Air Sampling					
Analysis 12+3 SubSlab+2 extra for additional analysis	\$14.00 event	21	\$14.70	\$14.70	\$294.00
				\$14.70	\$294.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals				\$30.90	\$618.00

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Advanced Geological Services	Survey	\$0.00	0	\$1,200.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
Task 3 - Additional Studies 03.01 - Well Installation & Development Oversight (6) 1/2 day (4hour) Field Day Sub Con Mgmt Rules MWBE always 5% Others 5% only when >10,000	\$1,200.00 event	1	\$60.00	\$0.00 \$0.00	\$1,200.00 \$1,200.00
Allowable Totals			\$0.00		\$1,200.00

*Enviroprobe & Geophysical Application
must also assume 4 hr?*

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Enviro Testing	Pre-Design Survey Services	\$0.00	0	\$4,250.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5%		Total Estimated Costs
			Calculated	Validated	
Task 2 - Plans and Specifications					
02.01 - Component 1 Preliminary Design					
Labor	\$850.00 day	5	\$212.50	\$0.00	\$4,250.00
Travel	\$0.55 mile	425	\$11.69	\$0.00	\$233.75
Vehicle	\$262.50 day	5	\$65.63	\$0.00	\$1,312.50
Lodging/PerDiem	\$300.00 day	5	\$75.00	\$0.00	\$1,500.00
				\$0.00	\$4,250.00
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals				\$0.00	\$4,250.00

7296.25

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

AECOM Technical Services Northeast, Inc.

SCHEDULE 2.11(f)

UNIT PRICE SUBCONTRACTS

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	MWBE Mgmt Fee	MWBE Flag (Y=1, N=0)	SUBCONTRACT PRICE
Pure Earth	Disposal	\$1,090.63	0	\$21,812.52

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	MWBE Mgmt Fee 5% Calculated	Validated	Total Estimated Costs
Task 3 - Additional Studies					
03.01 - Well Installation & Development Oversight (6)					
HAZ Disposal	\$95.00 ton	15	\$71.25	\$71.25	\$1,425.00
HAZ Spot Container	\$650.00 ea	2	\$65.00	\$65.00	\$1,300.00
HAZ Transportation to Disposal Facility	\$2,300.00 ea	2	\$230.00	\$230.00	\$4,600.00
HAZ Roll Off rental	\$20.00 day	21	\$21.00	\$21.00	\$420.00
HAZ Liner	\$45.00 ea	2	\$4.50	\$4.50	\$90.00
HAZ Demurrage	\$85.00 hr	2	\$8.50	\$8.50	\$170.00
HAZ Drums	\$300.00 ea	45	\$675.00	\$675.00	\$13,500.00
HAZ Tax 1.43%	\$307.52 tax	1	\$15.38	\$15.38	\$307.52
				\$1,090.63	\$21,812.52
Sub Con Mgmt Rules					
MWBE always 5%					
Others 5% only when >10,000					
Allowable Totals				\$1,090.63	\$21,812.52

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Total Assignment

Page 1 of 6

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							\$28,253.37	
2 Indirect Costs (156%)							\$41,475.96	
3 Subtotal Direct Salary Costs and Indirect Costs							\$69,729.33	
4 Travel							\$4,982.30	
5 Other Non-Salary Costs							\$4,960.00	
6 Subtotal Direct Non-Salary Costs							\$9,942.30	
7 Subcontractors							\$43,441.62	
8 Total Work Assignment Cost							\$123,113.25	
9 Fixed Fee							\$7,321.59	
9A Subcon. Mgmt. Fee							\$1,121.53	
10 Total Work Assignment Price							\$131,556.37	

Project Manager (Engineer) _____

Date _____

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

**SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION**

Task 1 - Scoping

Page 2 of 6

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							\$5,124.80	
2 Indirect Costs (156.4%)							\$7,523.21	
3 Subtotal Direct Salary Costs and Indirect Costs							\$12,648.01	
4 Travel							\$169.60	
5 Other Non-Salary Costs							\$0.00	
6 Subtotal Direct Non-Salary Costs							\$169.60	
7 Subcontractors							\$0.00	
8 Total Work Assignment Cost							\$12,817.61	
9 Fixed Fee							\$1,328.04	
9A Subcon. Mgmt. Fee							\$0.00	
10 Total Work Assignment Price							\$14,145.65	

Project Manager (Engineer) _____

Date _____

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

**SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION**

Task 2 - Plans and Specifications

Page 3 of 6

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							\$7,136.61	
2 Indirect Costs (156)							\$10,476.55	
3 Subtotal Direct Salary Costs and Indirect Costs							\$17,613.16	
4 Travel							\$935.00	
5 Other Non-Salary Costs							\$11.00	
6 Subtotal Direct Non-Salary Costs							\$946.00	
7 Subcontractors							\$4,250.00	
8 Total Work Assignment Cost							\$22,809.16	
9 Fixed Fee							\$1,849.38	
9A Subcon. Mgmt. Fee							\$0.00	
10 Total Work Assignment Price							\$24,658.54	

Project Manager (Engineer) _____

Date _____

Work Assignment No: D004436-32

Engineer: AECOM Technical Services Northeast, Inc.

Site ID No: 130043H

Site Name: Utility Manufacturing/Wonder King

Project No:

Date Prepared: 08/05/09

SCHEDULE 2.11(g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

Task 3 - Additional Studies

Page 4 of 6

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							\$15,991.96	
2 Indirect Costs (156)							\$23,476.20	
3 Subtotal Direct Salary Costs and Indirect Costs							\$39,468.16	
4 Travel							\$3,877.70	
5 Other Non-Salary Costs							\$4,949.00	
6 Subtotal Direct Non-Salary Costs							\$8,826.70	
7 Subcontractors							\$39,191.62	
8 Total Work Assignment Cost							\$87,486.48	
9 Fixed Fee							\$4,144.17	
9A Subcon. Mgmt. Fee							\$1,121.53	
10 Total Work Assignment Price							\$92,752.18	

Project Manager (Engineer)

Date

Cost Review for Work Plan or Amendment

Contractor Name: AECOM Technical Services, Inc.
WA # and Name: D004436-32 Utility Mfg/Wonder King

Date: 8/6/09
Reviewer: ATE/SU

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

4.	Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts			
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted.	x		
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.	x		
	A breakdown of direct non-salary costs is provided.	x		
	Total subcontract cost matches amount on Schedule 2.11(a).	x		
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.			NA
	Subcontractor certification(s) have been submitted.	x		
5.	Schedule 2.11(f) - Unit Price Subcontracts			
	There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	x		
	<i>Standby Drillers</i> (Two phase process) - Costs from at least 3 standbys (or additional quotes from non-standby drillers) are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected.			NA
	<i>Standby Labs and Data Validators</i> (rotate use) - Unit costs match those in contract(s).	x		
	<i>M/WBE</i> - Cost reasonableness of sole/single source M/WBE contracts <\$10k are documented by an engineer's estimate.			NA
	Cost reasonableness of sole/single source contracts are documented by an engineer's estimate or other cost comparisons (e.g., historical costs, pricing guides).			NA
	Placeholders are used only for non-standby subcontractors.			NA
	Cost reasonableness of placeholder subcontractors are documented by an engineer's estimate or other cost comparisons.			NA
	Correct management fee is calculated only on non-professional unit priced subs >\$10k and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors unless the contract specifically allows it.)	x		
	Total subcontract costs match the amounts on Schedule 2.11(a).	x		
	Justification is attached for subcontracts >\$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, other construction-type activities) must be competitively bid unless otherwise approved			NA
	Subcontractor certification(s) have been submitted.	x		
6.	Schedule 2.11(g) - Cost Control Report			
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).	x		
7.	Schedule 2.11(g) Supplemental - Cost Control Report (subs)			
	Schedules include all applicable subcontracts and management fees (for unit price only).	x		

8.	Schedule 2.11(a)			
	Rates for indirect and fixed fee match contract rates.	x		
	All numbers rolled up into Schedule 2.11(a) add up.	x		

Rev. 12/22/08

New York State Department of Environmental Conservation

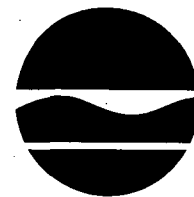
Division of Environmental Remediation

Bureau of Program Management, Room 1224

625 Broadway, Albany, New York 12233-7012

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

Website: www.dec.ny.gov



July 16, 2009

Mr. Scott Underhill, P.E.
Earth Tech Northeast
40 British American Boulevard
Latham, NY 12110

Re: WA Issuance/Notice to Proceed

Dear Mr. Underhill:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) is issuing to your firm and authorizing your firm to proceed with the work assignment (WA) identified below and in the enclosed work plan template for the performance of Remedial Design and Construction Oversight at Utility Manufacturing/Wonder King, Town of North Hempstead, Nassau County.

Please contact DER's Project Manager (PM) immediately to discuss the WA, staffing, time critical work and any site specific concerns.

<i>Contract/WA No.:</i>	D004436-32
<i>Site/Spill No./PIN:</i>	130043H
<i>Site/Spill Name:</i>	Utility Manufacturing/Wonder King
<i>Program Element:</i>	RD/CO
<i>Est. Total WA Budget:</i>	\$120,000

<i>Project Manager:</i>	Jeff Dyber
<i>PM Phone No.:</i>	(518) 402-98621
<i>PM E-mail:</i>	jldyber@gw.dec.state.ny.us

<i>Contract Manager:</i>	Patricia Kappeller
<i>CM Phone No.:</i>	(518) 402-9572
<i>CM E-mail:</i>	plkappel@gw.dec.state.ny.us

<i>M/WBE Contact:</i>	M/WBE Unit
<i>M/WBE Phone No.:</i>	(518) 402-9311
<i>M/WBE E-mail:</i>	enterprise@gw.dec.state.ny.us

Please review your firm's relationship with the Potential Responsible Parties (PRPs) listed on the attachment to the enclosed Conflict of Interest Certification form. Complete the form, accept or reject the WA, and return the form to the Contract Manager (CM) within **5 calendar days** of the date of this letter.

The Schedule 2.11s and M/WBE Utilization Plan for the WA must be completed and sent electronically in a single Adobe® PDF document to the CM within **21 calendar days** of the date of this letter. If multiple sites are included in the WA, Schedule 2.11s must be provided for each site and the total WA. The Schedule 2.11s must be in accordance with the executed standby contract. The Schedule 2.11s should identify areas of work requiring subcontracting and the certified M/WBE firms to be utilized, if known. If the M/WBE Utilization Plan for the WA does not meet the M/WBE goals set forth in the standby contract, an explanation must be provided at the time the M/WBE Utilization Plan is submitted. Standby subcontractors should be utilized to the extent practical. Project specific subcontracts must be procured in accordance with the overall schedule (i.e. a reasonably estimated placeholder cost can be included for services not yet procured). The Schedule 2.11s should identify the management and technical staff assigned to the WA. Include resumes of staff not previously approved by DER. The Schedule 2.11s should reflect the scope of work outlined in the Work Plan Template. A cover letter accompanying the submittal of the Schedule 2.11s should include a brief justification of the budget supported by the Schedule 2.11s. Adobe® PDF are to be submitted in an electronic format that complies with DER's Electronic Document Standards.

If you have any questions regarding the WA's scope of work (work plan template), and/or budget (schedule 2.11s), please contact the PM. Requests for reimbursement for the WA should not be submitted and will not be processed prior to the approval of the schedule 2.11s.

If work is not initiated in a timely manner or the schedule 2.11s are not approved by DER within **60 calendar days** of the date of this letter, the WA may be terminated and reimbursement will be limited to a negotiated amount based on work performed to date of termination.

Sincerely,



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

cc: J. Dyber
P. Kappeller
D. Desnoyers
S. Ervolina
D. Weigel
C. Vasudevan
G. Bobersky
W. Parish
D. Finlayson
T. Wolosen
M/WBE Unit

**New York State Department of Environmental Conservation
Division of Environmental Remediation
Conflict of Interest Certification
for
Standby Contract Work Assignment**

I. Potential Responsive Parties

To the best of the New York State Department of Environmental Conservation's knowledge, the potential responsible parties (PRPs) listed on the attachment are the known PRPs, as of the date of the work assignment issuance letter.

II. Conflict of Interest

Please check the appropriate boxes below and provide the necessary explanations:

- ☐ The Contractor believes there are no potential organization or personal conflicts of interest with the PRPs listed and is accepting the above referenced work assignment.
- ☐ The Contractor believes there are potential organizational and/or personal conflict(s) as indicated below:
- a) ☐ The Contractor believes the conflicts would not prohibit the Contractor from excepting the work assignment
- b) ☐ The Contractor believes the conflicts would prohibit the Contractor from excepting the work assignment .

Please explain and include as an attachment what the organizational and/or personal conflicts may be. Please note that organizational and personal conflicts of interest issues that must be addressed are defined in Appendix B, Section III, Conflict of Interest, in the executed standby contract. Additional items to address include the estimated percentage and dollar value that the contractor's business with the PRP bears to the contractor's business as a whole, whether there are mechanisms in place that allow for adequate independent quality assurance such as Professional Engineer certifications, quality assurance quality control of data, independent periodic inspections of work.

III. Certification

The undersigned authorized representative for the contractor indicated below hereby certifies that the information provided in this form or as an attachment to this form is a accurate representation of the relevant facts or circumstances which would give rise to an organizational or personal conflict of interest as defined in Appendix B, Section III, Conflict of Interest, of the executed standby contract indicated below, except as disclosed herein.

Signature of Contractor's Authorized Representative

Date

Contractor Name

Please e-mail completed form to DEC Contract Manager within 5 calendar days of the date of the Work Assignment Issuance/Notice to Proceed Letter.

Potential Responsible Parties

Current Owner:

Nest Equities, Inc.
700 Main Street
Westbury, NY 11590

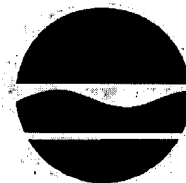
Nest Equities, Inc
700-712 Main Street
New Cassel, NY 11590

Current Operators:

Utility Manufacturing/Wonder King
700-712 Main Street
New Cassel, NY 11590



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

Remedial Bureau A, 11th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9621 • FAX: (518) 402-9627
Website: www.dec.state.ny.us



Alexander B. Grannis
Commissioner

MEMORANDUM

TO: Michael Cruden, Chief, Contracts and Payments Section, DER
FROM: Guy T. Bobersky through Chittibabu Vasudevan, Director, Remedial Bureau A 
SUBJECT: Work Assignment Issuance Request
DATE: JUN 24 2009 

Site/Spill Name and Number, Location: Utility Manufacturing/Wonder King, Operable Unit 2,
Site No. 130043H, Town of North Hempstead, Nassau County

Site/Spill Information: See attached copy of UIS report

Conflict of Interest: See attached copy of UIS report

Work Element: Remedial Design and Construction Inspection

Duration: 16 months

Estimated Budget: \$120,000

Funding Source: State Superfund

Brief Description of Scope of Work: See attached Quick Start Work Assignment. The consultant will prepare plans and specifications for a callout to a standby remedial services contractor. Therefore, the standard boilerplate construction contract is not needed. The remediation services contractor will install three subslab depressurization systems and six monitoring wells. The consultant shall oversee the work of the remediation contractor and provide a final engineering report.

The selected remedy in the Record of Decision (ROD) includes groundwater sampling and vapor intrusion sampling. The consultant shall sample nine monitoring wells annually for three years and provide letter reports evaluating the progress of natural attenuation. The consultant shall also obtain subslab vapor, indoor air and outdoor air samples at three properties annually for three

years.

Please assign Earth Tech to this project, as they worked on this site prior to the ROD.

Attachments

cc: D. Desnoyers
S. Ervolina
C. Vasudevan
G. Bobersky
J. Dyber
W. Parish
D. Weigel

6/18/2009



**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Inactive Hazardous Waste Disposal Report**



Site Code	130043H		
Site Name	Utility Manufacturing/Wonder King	Address	700-712 Main Street
Classification	02	City	Westbury Zip 11590
Region	1	County	Nassau Town North Hempstead
Latitude	40 degrees, 45 minutes, 25.26 seconds		Estimated Size 0.8500
Longitude	-73 degrees, 33 minutes, 25.41 seconds		
Site Type	Structure		

Site Description

This site is located at 700-712 Main Street in the eastern part of the New Cassel Industrial Area (NCIA). The site is 0.85 acres, most of which is occupied by a single building. The remainder of the site is paved. The original building on this site was constructed in 1967. In 1975, Utility Manufacturing subletted part of the building. Utility Manufacturing has been the sole occupant in the building since February 1976. The Utility Manufacturing Company manufactures a variety of cleaning and lubricating products. A NYSDEC monitoring well sampling program and a PSA confirmed that soil and groundwater were contaminated with PCE and other related VOCs above standards and guidelines. Consequently, the NYSDEC listed the site as a Class 2 site in 1996. A subsequent field investigation was completed in May 1998 and included the collection of soil samples and installation and sampling of monitoring wells. The NYSDEC required Utility Manufacturing to conduct an additional investigation to delineate the on-site groundwater contamination (completed December 2000) and perform an IRM (AS/SVE) to remediate the on-site groundwater. The AS/SVE system was constructed and began operation in November 2001. A ROD for this site, calling for continued operation of the AS/SVE system and no further action, was signed in March 2003. After three years of post-remediation monitoring, the DEC has concluded that no further action is needed for on-site groundwater contamination. A State Superfund RI/FS began in July 2004 for OU-2, off-site contamination. Soil vapor and groundwater samples were obtained as part of the off-site RI. The results of the off-site RI delineated the migration of groundwater contamination from the site to Old Country Road. Contaminated soil vapor was detected above the groundwater contaminant plume. The off-site RI and FS Reports were issued in December 2005 and February 2006, respectively. A supplemental off-site RI was completed in October 2007 to determine if subsurface vapors have impacted properties in the vicinity of the site. The supplemental off-site RI determined that three off-site buildings require mitigation and two buildings require continued monitoring. The Record of Decision for OU2 was signed in 2008. The selected remedy is natural attenuation of contaminated groundwater and mitigation of vapor intrusion impacts in off-site buildings.

Contaminants of Concern (Including Materials Disposed)	Quantity
---	-----------------

OU 01

TETRACHLOROETHYLENE (PCE)	0.00
TRICHLOROETHENE (TCE)	0.00
DICHLOROETHYLENE	0.00

Analytical Data Available for : Groundwater, Soil

Applicable Standards Exceeded for: Groundwater

Site Environmental Assessment

Past site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of tetrachloroethylene (PCE) and breakdown products of PCE. On-site groundwater contamination has been remediated. Off-site contamination was detected to a depth of 120 feet below ground surface with maximum contaminant levels exceeding 300 parts-per-billion (ppb) of total VOCs. Concentrations of tetrachloroethene, trichloroethene and dichloroethene exceeded their groundwater SCGs of 5 ppb. The site has contributed to the downgradient New Cassel Industrial Area groundwater contamination plume.

Site Health Assessment

The site may have contributed contamination to groundwater used for public water supplies. Water from these wells is treated to

6/18/2009

remove contamination and minimize exposures to contaminants in drinking water. Direct contact with contaminated soil is unlikely because the site is primarily covered with building and pavement. Soil vapor intrusion into on- and off-site buildings is possible.

Owners

Current Owner(s)

NEST EQUITIES, INC.

700 MAIN STREET

WESTBURY

NY 11590

Nest Equities, Inc.

700-712 Main Street

New Cassel

NY 11590

Disposal Owner(s)

NEST EQUITIES, INC.

ZZ

Operators

Current Operator(s)

NEST EQUITIES, INC.

700-712 MAIN ST.

WESTBURY

NY 11590

Utility Manufacturing/Wonder King

700-712 Main Street

New Cassel

NY 11590

Site/Spill No./
PIN: 130043H

Site/Spill Name: Utility Manufacturing/Wonder King

Work Plan Template

Work Element: Remedial Design

Date: Jun 19, 2009

The scope of work will generally encompass activities contained in the Remedial Design Work Element of Schedule 1 and other work elements as appropriate in the Standby Consultant Engineering Contract. Remedial Design should be conducted in accordance with the "Draft DER-10, Technical Guidance for Site Investigation and Remediation dated 12/25/02" or the latest versions of this document when available. Quality Assurance/Quality Control (QA/QC) must conform to the most recent version of the NYSDEC Analytical Services Protocol (ASP)

Task 1: Scoping		
Notes: 1: Unless otherwise approved in writing by the Department's PM, all work shall conform to standby contractor's pre-approved QAPP, HASP and FAP.		
File Review	Max Hours	20
1 Trip to Site	Max Hours	12
1 Trip to Albany for Scoping Mtg (may be combined with site visit at discretion of Department's PM)	Max Hours	
Develop Schedule 2.11s	Max Hours	46
Progress Schedule Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Max Hours	12
Executive Summary Required for Repository? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (if yes, discuss with PM)	Max Hours	40
		Total Task 1 Max Hours 130
Notes:	<p>Consultant shall provide a scope of work for DEC approval along with the Schedule 2.11 package.</p> <p>Consultant shall prepare plans and specifications for a callout to a standby remedial services contractor. Therefore, the standard boilerplate construction contract is not needed. The remediation services contractor will install three subslab depressurization systems and six monitoring wells. Consultant shall oversee the work of the remediation contractor and provide a final engineering report.</p> <p>Consultant shall sample nine monitoring wells annually for three years and provide letter reports evaluating the progress of natural attenuation. Consultant shall obtain subslab vapor, indoor air and outdoor air samples at three properties annually for three years.</p>	

Task 2: Plans and Specifications									
Component 1: Preliminary Design (30%)									
Provide minimum 3 copies of preliminary design									
Property Survey <input type="checkbox"/>		Verify Existing Site Conditions <input type="checkbox"/>		Initial Cost Estimate <input type="checkbox"/>		Notes			
30% Design Report <input type="checkbox"/>		Preliminary Drawings <input type="checkbox"/>		Preliminary Specifications <input type="checkbox"/>					
Component 2: Intermediate Design (60%)									
Provide minimum 3 copies of intermediate design									
Draft Design Calculations <input type="checkbox"/>			60% Drawings <input type="checkbox"/>			Notes The 60% design shall be a complete draft design, which will be finalized based on DEC comments.			
Draft Limited Site Data Document <input type="checkbox"/>			60% Specifications <input type="checkbox"/>						
Standard Construction Boilerplate <input type="checkbox"/>			60% Design Report <input type="checkbox"/>						
Supporting Data for SMP <input type="checkbox"/>			Access and Permit Issues <input type="checkbox"/>						
Estimate Bid Quantities and Cost Estimate <input type="checkbox"/>			Draft Measurement for Payment <input type="checkbox"/>						
Cap/Liner <input type="checkbox"/>			Excavation <input type="checkbox"/>						
Seed & Mulch <input type="checkbox"/>		Rip Rap <input type="checkbox"/>		Gabions <input type="checkbox"/>		Excav Support <input type="checkbox"/>		Asbestos <input type="checkbox"/>	
Truck Scale <input type="checkbox"/>		Dewatering <input type="checkbox"/>		Stream Stabilization <input type="checkbox"/>		Drums <input type="checkbox"/>		Trenching <input type="checkbox"/>	
Off Site T&D <input type="checkbox"/>		Wells <input type="checkbox"/>		EC & SWM <input type="checkbox"/>		Temp Facilities and Controls <input type="checkbox"/>		Sediment <input type="checkbox"/>	
Other (Specify)									

Component 3: Final Design				Notes	Final design shall address all DEC comments on draft design.		
Provide 5 copies for final review and approval.							
Final Contract Documents	<input type="checkbox"/> Yes	Final Design Report	<input type="checkbox"/>			Final Engineer's Estimate	<input type="checkbox"/> Yes
P.E. Seal	<input type="checkbox"/> Yes	Final Limited Site Data Report	<input type="checkbox"/>				
Final List of Required Permits/Access Agreements						<input type="checkbox"/> Yes	
All Data needed to develop SMP		<input type="checkbox"/>	Letter Summarizing Response to Comments			<input type="checkbox"/>	
Component 4: Project Cost Estimate				Notes			
Pre-Bid Estimate accounting for all addenda		<input type="checkbox"/>	Quantity Take Off Sheets			<input type="checkbox"/>	
Basis for Estimated Costs for Lump Sum and Unit Price Items						<input type="checkbox"/>	
Additional Requirements:				Total Task 2 Max Hours	220		
Task 3: Additional Studies				Estimated Subcontract Costs:			
Additional Subsurface Investigation and Environmental Sampling			<input type="checkbox"/>	Drilling	\$ <input type="text"/>		
Borings and samples at locations approved by NYSDEC		# of Borings Installed w/ 1 mobilization	<input type="text"/>	Lab	\$ 20,400		
Auger size (inches)	<input type="text"/>	Depth of boring (feet)	<input type="text"/>	Geophysical	\$ <input type="text"/>		
Continuous split spoon samples from	<input type="text"/>	feet to <input type="text"/> feet	<input type="text"/>	Survey	\$ <input type="text"/>		
Screened across the water table	<input type="text"/>	Feet at deepest point	<input type="text"/>	Test Trench/Pit	\$ <input type="text"/>		
Depth of screen (in feet)	<input type="text"/>	Screens made of <input type="text"/> Inch diameter Sch	<input type="text"/>	Notes			
Bedrock Wells	<input type="text"/>	Coring Size	<input type="text"/>				
Steel Casing(s) to protect down hole migration	<input type="text"/>	Finished with <input type="text"/>	<input type="text"/>	Flush-mount protective casing	<input type="text"/>		
Other (Specify)	Task 3 includes construction oversight, monitoring well sampling and vapor intrusion sampling						

Influent	Effluent	Sludge	Media (carbon, biological, filter sand)
Full TCL List	Full TCL List	Full TCL List	Full TCL List
Mercury or Total Cyanide	Mercury or Total Cyanide	Mercury or Total Cyanide	Mercury or Total Cyanide
Metals	Metals	Metals	Metals
Semi-volatiles	Semi-volatiles	Semi-volatiles	Semi-volatiles
Volatiles	Volatiles	Volatiles	Volatiles
Petroleum	Petroleum	Petroleum	Petroleum
PCBs/Pesticides	PCBs/Pesticides	PCBs/Pesticides	PCBs/Pesticides
Cat B Deliverables	Cat B Deliverables	Cat B Deliverables	Cat B Deliverables
Soil	Sediment	Ground/Surface Water 27	Air TO-15 27
Full TCL List	Full TCL List	Full TCL List	Full TCL List
Mercury or Total Cyanide	Mercury or Total Cyanide	Mercury or Total Cyanide	Mercury or Total Cyanide
Metals	TMetals	Metals	Metals
Semi-volatiles	Semi-volatiles	Semi-volatiles	Semi-volatiles
Volatiles	Volatiles	Volatiles Yes	Volatiles
Petroleum	Petroleum	Petroleum	Petroleum
PCBs/Pesticides	PCBs/Pesticides	PCBs/Pesticides	PCBs/Pesticides
Cat B Deliverables	Cat B Deliverables	Cat B Deliverables Yes	Cat B Deliverables
Notes	Monitoring wells samples shall also be analyzed for dissolved oxygen, nitrates, sulfates, dissolved iron, carbon dioxide and methane. Consultant may propose other tests to track the progress of natural attenuation. Consultant shall also take all applicable QA/QC samples.		

Evaluation of Additional Data		Max Hours	
Reporting: Pre-Design Investigation Report		Max Hours	
Notes		Total Task 3 Max Hours	650

Multi-year work assignments can include a 3% escalations for costs in future years. Administrative level of effort (LOE) should not exceed 4% of the overall LOE. NSPE level IX LOE should be limited to 2% of the total LOE.

Level of Effort (direct labor hours):

Task 1:	130
Task 2:	220
Task 3:	650
Total	1,000

Estimated Subcontracting Costs	\$ 20,400
Estimated Direct Non-Salary Costs	\$ 10,200
Estimated Project Cost	\$ 120,000

Calendar Days:

45 days from WA issuance
90 days after budget approval
14 days after receiving comments
60 days after budget approval
60 days after well installation

Project Milestones:

Submit scope of work, project schedule and Schedule 2.11 forms
Submit draft remedial design
Submit final remedial design
Complete first round of vapor intrusion sampling
Complete first round of monitoring well sampling

DOB/Office of the Director of State Operations Approved Request

Agency Code: 09000

Agency: Environmental Conservation, Department of

Request #: 09000-1002-2009

Request Type: Contracts - New

NPS Type: N/A

Agency Contact: Nancy Lussier - 518-402-9228

Date Submitted to DOB: 07/08/2009

Request Title: New Standby Engineering Work Assignment

Description: AECOM, fka Earth Tech, Contract D004436, Work Assignment #32, Utility Manufacturing/Wonder King, North Hempstead, Nassau County, Site #130043H. AECOM will prepare plans and specifications for a Call Out to a remedial services contractor and oversee the installation of three subslab depressurization systems and six monitoring wells by the remedial services contractor.

Justification: The large number of sites, heightened public awareness, and the dual goals of protecting human health and the environment all contribute to environmental remediation programs being critical to DER's core mission. If this spending request is not approved, DER would be unable to complete the remedial design and implement the site remedy which is necessary to ensure the systems are operated and maintained in a manner protective of human health.

Status

Status: Approved

Date Approved: 07/14/2009

DOB Approver: Nancy Reuss

Unit: Economic Development, Energy and
Environment Unit

Validated by the Office of the Director of State Operations

Estimated Value

This Request: \$ 120,000.00