



April 8, 2011

Ms. Andrea Indelicato
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management, Room 1224
625 Broadway
Albany, New York, 12233-7012

Subject: Executive Summary for Levey Property OU-1 Remedial Investigation/Feasibility Study for Work Authorization D006132-20

Dear Ms. Indelicato:

Shaw Environmental, Inc. (Shaw) is submitting the attached 2.11 budget summary checklist for tasks 1, 2, 3, and 4 of the Levey Property OU-1 Site (Site Number 152201). This scope of services discussed herein is based upon Work Authorization (WA) D006132-20 provided to Shaw on February 7, 2011 and subsequent meetings and phone calls with the NYSDEC Project Manager. Site activities will be completed in accordance with this cost estimate/work scope. Shaw assumes that Task 1 (preliminary planning activities), Task 2 (Test Pit screening, Soil Vapor/Ambient air sampling, Geoprobe soil sampling and analysis, Geoprobe groundwater sampling and analysis, and Waste Drum sampling and analysis, and the Site Survey) and Task 3 (permanent well installation) will be completed prior to December 31, 2011. We further anticipate that Task 4 (Remedial Investigation / Feasibility Study Report) will be completed in 2012. Shaw anticipates that tasks 1, 2 and 3 (\$176,226) will be completed prior to the end of the current fiscal year; task 4 (\$30,206) will be completed after April 2012, based upon the anticipated project schedule.

Please note that Shaw Labor Costs include direct costs (using average reimbursement rates), indirect costs and fixed fee. Shaw solicited bids from Shaw's four standby geoprobe and drilling companies, one of which was a Women Owned Business Enterprise (WBE). These contractors have been approved by the NYSDEC. One geoprobe company, Parratt-Wolf, chose not to provide cost estimates to complete this work. Zebra Environmental submitted the lowest price and was selected to provide geoprobe, drilling and test pitting services for this project. The award is for \$32,488.13 (including a \$1,547.05 subcontractor management fee).

Shaw awarded the soil/groundwater laboratory analysis to Chemtech Laboratories (Chemtech) as they were next in the laboratory rotation on Shaw's groundwater/soil laboratory standby contract. The award is for \$54,899.25 (including a \$2,614.25 subcontractor management fee). Shaw also awarded the air laboratory analysis to Centek Laboratories (WBE) as they were the next laboratory on Shaw's air laboratory standby contract. The award is for



\$2,100.00 (including a \$100.00 subcontractor management fee).

Shaw solicited bids from Shaw's five standby data validation companies, five of which are WBE and one of which is a minority owned business (MBE). One data validation company, EQA, chose not to provide cost estimates to complete this work. Validata Chemical Services, Inc. submitted the lowest price and was selected to provide data validation services for this project. The award is for \$7,373.50.

Competitive bids were solicited for surveying services, waste disposal, and utility clearance as detailed in the 2.11 package.

Task 1 – Preliminary Activities

This task includes costs for preliminary planning activities including a scoping meeting at the NYSDEC, development of site specific plans, review of existing files provided by NYSDEC (including: a site map, a planned sampling plan, a Phase I Environmental Site Assessment and Site Investigation Report), an initial site visit, and time to develop the 2.11s, progress schedule and this executive summary.

This task includes the following items:

- Trip to Albany for a scoping Meeting with NYSDEC;
- Review of Site files provided by NYSDEC (prior to the initial site visit);
- Trip to the Site for site reconnaissance, meeting with site owner and dig safely mark out for Task 2 Geoprobe locations (includes 8 hour travel time);
- Site Specific HASP;
- Site Specific QAPP;
- 2.11s, progress schedule and this executive summary.

Shaw Labor	\$13,371
Travel/Materials	<u>\$ 315</u>
TOTAL	\$13,686

Task 2 – Remedial Investigation Phase I

This task includes the advancement of 25 Geoprobe direct push borings and 4 test pits to assess soil conditions on site, as well as the installation of 9 borings for the assessment of groundwater. In addition, 3 drums and various cans of material currently stored on the site will be tested so that their contents can be identified and the containers disposed of accordingly. Soil Vapor analysis on a total of 7 points will be included in this task as well. The proposed sampling locations are included on the site plan included with the WA and this document.

Pre-Field Work Site Reconnaissance

Prior to any intrusive activities, Shaw will coordinate with the Underground Facilities Protection Organization (UFPO) and a third party utility locator (NAEVA geophysical survey) for clearance of subsurface utilities and services. The purpose of this coordination is to protect the health and safety of field personnel and to prevent damage to underground utilities during intrusive activities. Public and privately owned utilities will be located by contacting responsible agencies/parties to provide mark-outs of underground utilities.

Test Pits

The test pits will correspond with historically known cesspool locations on the site; three cesspools in the northeast and one in the southeast. Zebra will complete this task. A backhoe will be used to excavate the soil to the water table, approximately 9' bgs. Soils will be excavated and staged adjacent to the test pits. A PID will be used to screen the soil; from the surface down to the water table. In addition, soil from three locations at 4' bgs and at 9'bgs (water table) will be collected. At each depth, the three soil samples will be combined, and a composite will be sent to the laboratory for analysis of VOCs, SVOCs, PCBs, and Inorganic compounds as detailed in the WA and the attached table. Once sampling is complete, the test pits will be backfilled with the soil cuttings in the order of which they were excavated.

Direct Push Soil Borings

A total of 25 soil borings will be installed using direct push in a number of locations across the property. The locations for the direct push borings were predetermined by the NYSDEC Project Manager based on historical usage of the site. Borings will also be advanced near a suspected discharge pipe to the north of the building, fuel oil tanks, an underground hydraulic lift, and abandoned drums in the northwest portion of the building as shown on the attached Figure.

The borings will be advanced from the surface to the groundwater table, approximately 9'bgs. Locations will be continuously screened/characterized to their determined depth. Two subsurface soil samples will be collected from each soil boring location and submitted for laboratory analysis. Samples will be collected at the depth exhibiting the highest head space reading or visible staining; if no PID detections are observed samples will be collected at 2 feet bgs and at the water table (~9 feet bgs) as specified by the NYSDEC.

A total of 50 samples will be sent to Chemtech for VOC, SVOC, PCB, and Metals analyses as detailed in the WA. Quality control samples will be collected at a frequency of one per twenty as determined by the QAPP (3 duplicate, 3 MS and 3 MSD).

Geoprobe Groundwater Analysis

Nine temporary monitoring wells will be installed along the perimeter of the property through direct push methods. These temporary monitoring points will be advanced to the first confining layer (anticipated to occur at approximately 70' bgs based upon existing site data). Samples will be collected in 10' intervals from the water table (9 feet bgs) to the confining layer at 70' bgs. The collected samples from the temporary monitoring wells will all be sent to Chemtech for analyses of VOCs, PCBs and Metals. Metals analysis will include Titanium. Groundwater samples collected from four of the temporary monitoring wells will be analyzed for both filtered and unfiltered metals analysis (28 filtered samples and 28 unfiltered samples). Groundwater samples collected from the other five temporary monitoring wells will be analyzed for filtered metals analysis (35 filtered samples).

A total of 63 groundwater samples will be sent to Chemtech for VOC, SVOC, PCB, and Metals (filtered analyses), as well as 28 groundwater samples for unfiltered Metals analysis as detailed on the attached table. Quality control samples will be collected at a frequency of one in twenty as determined by the QAPP (4 duplicate, 4 MS and 4 MSD). Trip blanks will be included in all shipments containing groundwater samples for VOC analysis.

Drum Disposal

Three drums and various cans of paints and solvents have been reported on site. These containers will be sampled for disposal purposes and transported from the site for proper disposal according to analytical results. Sampling and analysis will be completed by the disposal company (AWT) as detailed in their proposal.

Soil Vapor Analysis

A total of seven air samples will be collected from predetermined locations within and outside of the building. All samples will be field screened for organic vapors using a PID or parts per billion (ppb) MiniRae pursuant to the methods outlined in our Field Activities Plan (FAP). All air samples will be collected concurrently.

Three sub-slab vapor points will be installed through the floor of the building using a hammer drill. The locations will be advanced to approximately one foot above the groundwater table and completed as "permanent" soil vapor points to facilitate the collection of soil vapor samples. A helium leak detection test will be performed to ensure that the seal is "tight" as detailed in our FAP. Approximately one to three volumes of air will be purged at a flow rate of less than 0.2 liters/minute. When a sufficient volume is removed, the 1.6-liter summa canister with a 2-hour regulator (both batch certified) will be attached to the tubing. One location will be selected for collection of a duplicate sample for QA purposes.

Three indoor air samples will be set up in the breathing zone within the building. The selected sampling locations will be determined based on building usage and potential hazards. Samples will be collected using summa canisters with 2-hour regulators (both batch certified).

One ambient air sample will be collected at a selected location outside the building. This sample will be collected using a summa canister with 2-hour regulators (both batch certified).

Following the completion of sample collection, air samples will be sent to Centek for TO-15 analysis.

All Investigation Derived Wastes (IDW) (soil cuttings) generated during Task 2 will be contained in 55-gallon drums and staged at the Levey Property Site. Samples will be collected from the IDW as part of Task 3.

This task includes the following assumptions:

- No travel required for drilling permits;
- Drilling permit costs do not exceed \$1,200;
- Utility Clearing will be completed concurrently with the Geoprobe borings;
- Geoprobng: 8 days, with Shaw oversight and includes the following:
 - Soil sampling (at 25 soil borings);
 - Groundwater sampling (assumption via low-flow techniques at 10-feet, 20-feet 30-feet, 40-feet, 50-feet, 60-feet and 70-feet with Geoprobe at 9 locations);
 - Closing holes with bentonite and asphalt;
 - 10 hour work days;
- Shaw travel time for oversight and survey is 24 hours (8 hours per round trip);
- Air sampling will be completed in 1 day by two Shaw geologists/scientists, includes Shaw travel time;
- Shaw travel time for soil vapor sampling is 16 hours (8 hours per round trip);

Shaw Labor	\$ 23,785
Subcontractor Costs	\$ 85,094
Travel/Materials	<u>\$ 4,703</u>
TOTAL	\$113,582

Task 3 – Remedial Investigation Phase II

Permanent Groundwater Well Installation

The results of the groundwater analytical results from Task 2 will determine the locations of six permanent monitoring wells. Three monitoring wells will be selected for installation in the up-gradient portion of the site, and three monitoring wells will be installed in the down-gradient portion of the site. Two-inch monitoring wells will be installed to a depth of 15 feet bgs using hollow stem augers. Monitoring wells will be constructed with 10 foot of schedule 40 PVC slotted screen and schedule 40 PVC riser. Locations will be completed with locking 4-inch protective steel casing.

The permanent monitoring wells will be developed following installation and allowed to stabilize for two weeks. After the two week “rest” period, Shaw will collect a groundwater sample from each of the six monitoring wells. All groundwater samples will be collected via low-flow sampling techniques until the parameters stabilize and at least one well volume has been removed. In addition, one set of quality control samples (MS/MSD, duplicate and a trip blank) will be collected for analysis. All groundwater samples will be analyzed for VOCs by EPA method 8260, PCBs by EPA method 8082 and Lead (Total and Dissolved) by EPA method 6010/7471.

Site Survey

Upon completion of the field work in Tasks 2 and 3, the x- and y- coordinates of all newly installed soil borings, monitoring wells, temporary and permanent soil vapor sample locations, and site building edges, road edges, etc. will be established by a New York State Licensed Surveyor. A detailed base map of the site and immediate vicinity will be developed. The property lines of the parcel will also be placed on the base map.

Data Validation

All analyzed samples will be validated by an independent third party (validata). The data validation contractor will generate a data usability summary report to be submitted with Shaw’s report.

IDW Sampling

Samples will be collected from the IDW generated from the soil and groundwater investigation. The IDW will be stored at the Levey Property. All IDW and spent PPE will be contained in 55-gallon drums and staged at the Levey Property Site.

This task includes the following assumptions:

- No travel required for drilling permits;
- Drilling permits are not more than \$200/location;

- Dig Safely Mark-out: 0.5 day and 8 hour travel time for a Shaw Geologist to mark proposed well location for dig safely;
- Utility Clearing will be completed concurrently with the monitoring well installation (no separate move);
- Drilling: 5 days, with Shaw oversight and includes the following:
 - Well construction;
 - 10-hour work days;
 - Well Development;
- Survey: 0.5 days of a Shaw geologist to oversee Surveyor;
- Shaw travel time for drilling oversight, survey and well development is 24 hours (8 hours per round trip);
- Groundwater Sampling: 2 10-hour days of Shaw Geologist time to sample monitoring wells;
- IDW sampling will be completed concurrently with groundwater sampling (no separate move);
- Shaw travel time for groundwater sampling and IDW sample is 8 hours.

Shaw Labor	\$ 19,247
Subcontractor Costs	\$ 25,954
Travel/Materials	<u>\$ 3,757</u>
TOTAL	\$ 48,528

Task 4 – Final Report – Remedial Investigation / Feasibility Study Report

This task includes the costs for providing a remedial investigation report summarizing all work performed and completed as part of the off-site remedial investigation of the Levey Property Site. The report will be issued to the NYSDEC for review no later than 30 days after receiving all validated site sampling data. The report will include the field sampling methods, sample analysis results (text and tables), observations regarding trends of contaminants relative and upgradient and downgradient sample locations, maps, boring logs and well construction logs.

Once NYSDEC comments have been received, Shaw will incorporate them into the final report. Shaw will issue NYSDEC one copy of the final report including, text, tables, figures/maps (i.e. site location, groundwater contours, analyte detections for each media, etc), well construction logs, etc in “bookmarked” pdf format on compact disc as well as the number of hard copy reports requested by the NYSDEC.

Additionally, Shaw will submit all original chain of custody’s, forms (i.e., sampling forms, purge forms, inspection forms) as well as a copy of any data usability reports to the NYSDEC.

The necessity to complete a Feasibility Study (FS) will be determined upon completion of the Remedial Investigation (RI). The scope of the FS and will be refined and clarified with the NYSDEC prior to completion. It is currently anticipated that the FS will focus primarily upon groundwater impacts and media.

This task includes the following assumptions:

- Trip to Albany to discuss investigation results with NYSDEC.

Shaw Labor	\$ 29,817
Travel/Materials	\$ <u>389</u>
TOTAL	\$ 30,206

WORK AUTHORIZATION TOTAL **\$206,086**

Schedule

Field work will commence within 90 days of submission or 30 days of approval of the 2.11 package to the NYSDEC. Upon approval of the work plan and approval of drilling permits by the town, Shaw will schedule the field work with the approved direct push subcontractor. The following schedule is proposed:

- Shaw will schedule a site visit following the work plan approval.
- Shaw will apply for drilling permits following the site visit.
- Shaw will coordinate the direct-push contractor's schedule to minimize the impact to site operations and expedite the sampling effort. It is anticipated that the actual field sampling effort (Task 2 – Geoprobe) can be completed in 10 10-hour days based upon the estimate provided by Zebra. The work start time will be determined by the Shaw site supervisor and may vary depending on weather and site conditions.
- Groundwater analytical results will be received in a Category B deliverable format from the ELAP-approved laboratory within 28 days of sample receipt.
- Analytical results will be reviewed by Shaw upon receipt and an assessment of soil vapor intrusion analysis (Task 2) and assessment of the monitoring well construction (Task 3) will be completed. A summary of the assessment and recommendations will be provided to NYSDEC within 2 weeks of receipt of the analytical results.
- Soil vapor, ambient air and indoor air analytical results will be received in a Category B deliverable format from the ELAP-approved laboratory within 28 days of sample receipt.
- If required, Shaw will apply for drilling permits for the permanent monitoring wells and coordinate with the driller's schedule. It is anticipated that the actual field sampling effort (Task 3 – Well installation) can be completed in 5 10-hour days based upon the estimate provided by Zebra. The work start time will be determined by the Shaw site supervisor and may vary depending on weather and site conditions.
- Groundwater sampling of the permanent monitoring wells will be completed within two weeks of the well installation, and IDW sampling will be completed at the same time.
- All samples collected during the site investigation will be submitted to an approved third party data validation contractor. The data validation contractor will provide a data validation/usability report within 30 days of receipt of analytical results.

- The results of these investigative activities will be included in a remedial investigation report discussing all file review data, analytical data and field investigative activities. This report may be expanded to a feasibility study if the analytical data indicates that remediation is needed to address off-site contamination. Three copies of the draft report will be submitted to the NYSDEC for review and comment within 90 days after completion of field work.
- Shaw will revise the summary report according to the comments provided by the NYSDEC. The report and EDD will be provided to the NYSDEC and NYSDOH within 30 days after receipt of comments.

Sincerely,

Heather Fariello
Project Scientist
Shaw Environmental, Inc.

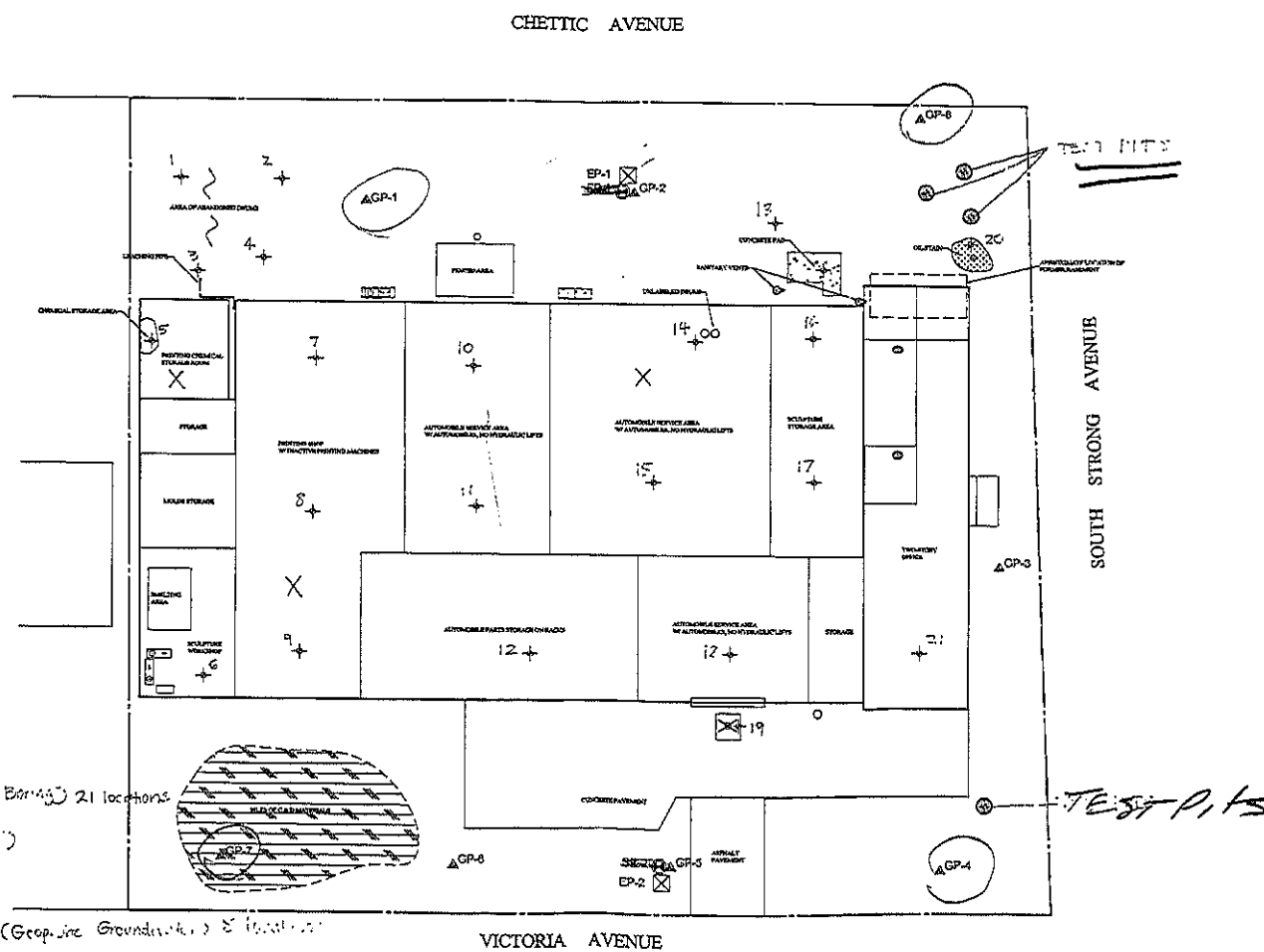
Please Reply To: Heather A. Fariello
Phone: 518.785.2346
E-Mail Address: Heather.Fariello@shawgrp.com

Sincerely,



David C. Stoll, P.G.
Program Manager
Shaw Environmental, Inc.

Please Reply To: Dave Stoll
Phone: 518.785.2362
E-Mail Address: Dave.Stoll@shawgrp.com

Attachments: Sampling Acquisition Plan
Sampling Table/Work Instructions
2.11 Package



- Contaminant Source Probe (Soil Boring) 21 locations
- EC Logging Probe (Complete!) 1 location
- Soil Profile Probe 1 location
- Temporary Groundwater Profile Well (Geop. Inc. Groundwater) 2 locations
- Approximate Location of Abandoned Cesspool (according to ERM report) (Test Pit) 4 locations
- Sub-Slab Soil Vapor 3 locations

 IMPACT ENVIRONMENTAL 10 JACKSON COURT NEW YORK, NY 10014 TEL (212) 691-8900 FAX (212) 251-1559 1660 BROOKLYN STREET 1664 NEW YORK, NEW YORK 10005 TEL (212) 201-7806 FAX (212) 201-7308	TITLE: Sampling Acquisition Plan		PROJECT # 06-013
	1305 S. Strong Avenue Copiague, New York		PLATE # 04
	QUANTITY: 100 REORDER MT: 100 REORDER: 100	NEW YORK NEW YORK NEW YORK	

Work Instructions

Work Element	Number of Locations	Number of Samples per Location	Matrix	Analysis Notes	No. VOCs	No. SVOCs	No. PCBs	No. Inorganics
Test Pits	4	2	Soil	Soil sampling at 4' bgs and at the water table (9' bgs). Composite samples shall be taken at 7 locations at each depth. - locations corresponds to cesspools. - 3 cesspools in NE and one cesspool in SE. - use hydraulic backhoe for this task. - field screen every foot with PID until water table. - soil cuttings put back in the order they were retrieved.	8	8	8	8
Soil Boring	25	2	Soil	From grade to groundwater table. Use PID to determine the depth at which soil samples should be analyzed in lab. If no PID hits were detected, defer back to sampling 2' below grade and at water table. - locations are abandoned leaching structure, former chemical storage areas and drains inside building. - also, borings taken from suspected discharge pipe north of building, fuel oil tanks, underground hydraulic lift, abandoned drums in the northwest portion of the building.	50	50	50	50
Drums/Paint Disposal	Unknown	Unknown	Liquid	Specific locations are unknown, and will be determined during RI. The site investigation reported 3 drums and various cans/solvents. All drums/paint cans, over the counter solvents shall be removed and disposed of properly. Lab tests may be performed to determine the appropriate waste haulers.	5	5	5	5
Groundwater (Geoprobe)	9	7	Groundwater	Locations are marked in the sampling map around the perimeter of the property. Analysis should be performed every 10' interval from water table to the confining layer at 70' bgs. - Four chosen wells will have both filtered and unfiltered samples. <i>- PID HI - 2 up / 2 down gradient</i> - Five chosen wells will have just filtered samples. * - Include titanium in the groundwater analysis. - Obtain groundwater flow contours.	63	0	63	56 (unfiltered and filtered) 35 (filtered only)
Groundwater (Permanent Wells)	6	1	Groundwater	Depending on the results of geoprobe, three permanent wells are planned for the upgradient on-site and three permanent wells are planned for the downgradient on-site. Exact locations and screens to be determined based on geoprobe data. Wells to be surveyed.	6	0	6	6 (filtered) 6 (unfiltered)
Soil Vapor	3 + 3 + 1	1	Air	Three sub-slab vapor, three indoor air and one ambient air samples inside the abandoned building.	7	0	0	0

Additional Notes:

- 1) Refer to the Sampling Map while reading this table.
- 2) Consultants should also look at the Site Investigation Report, September 2006.
- 3) Depth to groundwater is around 9 feet bgs. Flow direction is from north to south.
- 4) Site lithology was done via EC logging by the BCP Consultant. The data logs will be provided to the Standby Consultant.
- 5) Where possible, DER-10 guidance shall be followed.

Cost Review for Schedule 2.11 Package

Contractor Name: *SHAW E & I of NY, P.C.*

Date: *3/30/11*

WA # and Name: *20 - LEVEE 00-1*

Reviewer: *D. STOLL*

GENERAL COST REVIEW CHECKLIST		Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.	✓		
	Budget package includes a cover letter and an M/WBE Utilization Plan.		✓	<i>SUBMIT FOR APPROVAL</i>
1	Cover Letter			
	Provides brief justification of the budget supported by the 2.11s.	✓		
	Anticipated completion date(s) for the work are included. For amendments, there is an explanation of how the submittal affects the existing schedule.	✓		
	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.)	✓		<i>F5 - TRAINING TBS</i>
	If proposing work for multiple years, a brief justification is included.	N/A		
	Includes anticipated billings by State fiscal year. For amendments, both the unexpended budget and the new costs being added are identified.	✓		
	If an amendment, the current status of work (what's completed/billed, what remains) is provided.	N/A		
2	Schedule 2.11(b) - Direct Labor			
	Average reimbursement rates are used for each year. Future years escalate 3%.	✓		
	Hours are segregated by year.	✓		
	Total cost for each NSPE level is shown.	✓		
	Total direct labor costs match amounts on Schedule 2.11(a).	✓		
	The Principal's (NSPE IX) labor hours charged to WA are less than 2% of the total.	✓		
	Total labor hours match hours on Schedule 2.11(h).	✓		
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.	✓		
4	Schedules 2.11(c) and (d) - Direct Non-Salary Costs			
	Rates listed in Schedule 2.11(c) are consistent with contract.	✓		
	Rates for in-house and/or misc. costs match contract Schedule 2.10(b) or 2.10(c) (2).	✓		
	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.	✓		
	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.	✓		
	Appropriate lodging/per diem/mileage rates are used.	✓		
	Schedule 2.11(d)1 - All equipment purchased is supported by cost justification that's acceptable to the CM. Equipment is to be maintained by the contractor or turned over to DEC, and it must be added to contractor's inventory list (include a revised copy).	N/A		
	Schedule 2.11(d)2 - Rates for consultant-owned equipment match Schedule 2.10(c).	N/A		
	Schedule 2.11(d)4 - Includes equipment to be used only on the WA (such as blower purchased to upgrade SVE system).	N/A		
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	✓		
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	✓		

rev. 8/23/10

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.			
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.	✓		
	A breakdown of direct non-salary costs is provided.	✓		
	Total subcontract cost matches amount on Schedule 2.11(a).	✓		
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.	✓		
	Subcontractor certification(s) have been submitted.	✓		
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.	✓		
	<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. <u>Explanation for declinations has been provided.</u>	✓		
	<i>Standby Labs and Data Validators</i> (rotate use) - Unit costs match those in contract(s).	✓		
	M/WBE - Cost reasonableness of sole/single source M/WBE contracts <\$10k are documented by an engineer's estimate.	N/A		
	Cost reasonableness of sole/single source contracts are documented by an engineer's estimate or other cost comparisons (e.g., historical costs, pricing guides).	✓		
	Placeholders are used only for non-standby subcontractors.	N/A		
	Cost reasonableness of placeholder subcontractors are documented by an engineer's estimate or other cost comparisons.	N/A		
	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.)	✓		
	Total subcontract costs match the amounts on Schedule 2.11(a).	✓		
	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.	N/A		
	Subcontractor certification(s) have been submitted.	✓		
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).	✓		
8	Schedule 2.11(g) - Supplemental - Cost Control Report (subs)			
	Includes all applicable subcontracts and management fees (for unit price only).	✓		
9	Schedule 2.11(a)			
	Rates for indirect and fixed fee match contract rates.	✓		
	All numbers rolled up into Schedule 2.11(a) add up.	✓		

rev. 8/23/10

1305 S. Strong Avenue
Work Assignment Cost Schedule 2.11

New York State Department of Environmental Conservation
Superfund Standby Contract

Work Assignment #: D006132-20

Mar-11

This cost schedule represents costs for the tasks of Preliminary Activities (Task 1), Investigations, Environmental Sampling and Implementation (Tasks 2), Site Survey (Task 3), and a Final Report (Task 4).

NYSDEC Project Manager: Chek Ng

Shaw Environmental and Infrastructure Engineering of New York, P.C.

Shaw Project Manager: David Stoll

SCHEDULE 2.11(a)

SUMMARY OF WORK ASSIGNMENT PRICE

Work Assignment #: D006132-20

Printed: 04/11/11

1	Direct Salary Costs (Schedules 2.10(a) and 2.11 (b))	<u>\$35,934</u>
2	Indirect Costs (Schedule 2.10(g))	<u>\$41,324</u>
3	Direct Non-Salary Costs (Schedules 2.10(b)(c)(d) and 2.11(c)(d))	<u>\$9,163</u>
4	Subcontract Costs	

Cost-Plus-Fixed-Fee Subcontracts (Schedule 2.10(e) and 2.11(e))

	<u>Name of Subcontractor</u>	<u>Services to be Performed</u>	<u>Subcontract Price</u>
i.)			<u></u>
ii.)			<u></u>
iii.)			<u></u>

A) Total Cost-Plus-Fixed-Fee Subcontracts	<u>\$0</u>
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Unit Price Subcontracts (Schedule 2.10(f) and 2.11(f))

	<u>Name of Subcontractor</u>	<u>Services to be Performed</u>	<u>Subcontract Price</u>
i.)	Zebra	Drilling Services	<u>\$30,941</u>
ii.)	Chemtech	Soil and GW analysis	<u>\$52,285</u>
iii.)	Centek	Air Analysis	<u>\$2,000</u>
iv)	Validata	DUSR	<u>\$7,374</u>
v)	CT Male	Site Survey	<u>\$4,700</u>
vi)	AWT	Waste Removal	<u>\$4,643</u>
vii)	Naeva	Geophysical	<u>\$4,845</u>

B) Total Unit Price Subcontracts	<u>\$106,787</u>
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5	Subcontract Management Fee	<u>\$4,261</u>
6	Total Subcontract Costs (lines 4A + 4B + 5)	<u>\$111,048</u>
7	Fixed Fee (Schedule 2.10(h))	<u>\$8,962</u>
8	Total Work Assignment Price (1+2+3+6+7)	<u>\$206,432</u>

Engineer/Contract#: D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20

Date Prepared: 4/11/2011 10:39

Schedule 2.11(b)
Direct Labor Hours Budgeted

Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Direct Labor Hours	
*Av. Salary Rate (\$) (Year: 2010)	\$56.60		\$47.59		\$43.24		\$37.25		\$33.23		\$29.78		\$25.54		\$19.98		\$14.60			
Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost		
Task 1		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Task 2		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Task 3		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Task 4		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Total Hours	0		0		0		0		0		0		0		0		0		0	
Total Direct Labor Cost		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Direct Labor Hours	
*Av. Salary Rate (\$) (Year: 2011)	\$57.02		\$47.94		\$43.56		\$37.53		\$33.48		\$30.00		\$25.73		\$20.13		\$14.71			
Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost		
Task 1	5	\$285.10		\$0.00		\$0.00		\$0.00	15	\$502.20	100	\$3,000.00	60	\$1,543.80	12	\$241.56		\$0.00	192	\$5,572.66
Task 2	6	\$342.12		\$0.00		\$0.00		\$0.00	25	\$837.00	200	\$6,000.00	100	\$2,573.00	8	\$161.04		\$0.00	339	\$9,913.16
Task 3	5	\$285.10		\$0.00		\$0.00		\$0.00	15	\$502.20	150	\$4,500.00	100	\$2,573.00	8	\$161.04		\$0.00	278	\$8,021.34
Task 4	8	\$456.16		\$0.00		\$0.00	40	\$1,501.20	60	\$2,008.80	200	\$6,000.00	80	\$2,058.40	20	\$402.60		\$0.00	408	\$12,427.16
Total Hours	24		0		0		40		115		650		340		48		0		1217	
Total Direct Labor Cost		\$1,368.48		\$0.00		\$0.00		\$1,501.20		\$3,850.20		\$19,500.00		\$8,748.20		\$966.24		\$0.00		\$35,934.32
Total Hours	24		0		0		40		115		650		340		48		0		1217	
Total Direct Labor Cost Years: 2010 & 2011		\$1,368.48		\$0.00		\$0.00		\$1,501.20		\$3,850.20		\$19,500.00		\$8,748.20		\$966.24		\$0.00		\$35,934.32

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

Engineer/Contract#: D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20

Date Prepared: 4/11/2011 10:39

Schedule 2.11(b)1
Direct Administrative Hours Budgeted

Labor Classification	IX	VIII	VII	VI	V	IV	III	II	I	Total Direct Administrative Labor
Task 1	2					2		8		12
Task 2	3							4		7
Task 3	2							4		6
Task 4	6					4		13		23
Task 5										0
Task 6										0
Task 7										0
Task 8										0
Task 9										0
Task 10										0
Task 11										0
Task 12										0
Total Hours	13	0	0	0	0	6	0	29	0	48

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

- | | |
|--|--|
| 1) Work Plan Budget Development <ul style="list-style-type: none"> Conflict of Interest check Budget schedules & Supporting documentation 2) Review work assignment (WA) progress <ul style="list-style-type: none"> Conduct progress reviews Prepare monthly progress schedule Update WA progress schedule Prepare M/WBE Utilization Report 3) Contractor Application for Payment (CAP) <ul style="list-style-type: none"> Oversee and prepare monthly CAP | 4) Program Management <ul style="list-style-type: none"> Prepare monthly cost control report Cost control report Staffing plans Manage Subcontracts NSPE list update Equipment inventory 5) Miscellaneous <ul style="list-style-type: none"> Conduct Health and Safety Reviews Work processing and graphic artists Report editing |
|--|--|

Contract/Project administrations hours would **not** include:

- 1) QA/QC reviews
- 2) Technical oversight by management
- 3) Develop subcontracts
- 4) Work plan development
- 5) Review of deliverables

Engineer/Contract#:	D006132
Project Name:	1305 S. Strong Ave
Work Assignment No.:	D006132-20

SCHEDULE 2.11(c)

Printed: 04/11/11

Direct Non-Salary Costs

Item	Estimated Cost (\$)	Max. Reimbursement Rate	Units	Est. No of Units	Total
A) <i>Sample Analysis Rates (In-House Costs Only, for Subcontracts see Schedule 2.10(f) and 2.11 (f))*</i>					
NOT APPLICABLE - Intentionally left blank					
B) <i>Miscellaneous (Travel - Lodging, Meals, Transportation see Schedule 2.10(d) for rates)</i>					
1	Personal Protective Equipment (Level D)	\$15.00	Man-day	2	\$30.00
2	Personal Protective Equipment (Level C)	\$30.00	Man-day		\$0.00
3	Personal Protective Equipment (Level B)	\$70.00	Man-day		\$0.00
4	LVE	\$0.80	per person field hr	20	\$16.00
5	Tolls	\$25.00	per trip	2	\$50.00
6	Mileage	\$0.510	mile	403	\$205.53
7	Parking	\$1.00	Hr	4	\$4.00
Task 1 Total:					\$305.53
1	Personal Protective Equipment (Level D)	\$15.00	Man-day	12	\$180.00
2	Personal Protective Equipment (Level C)	\$30.00	Man-day		\$0.00
3	Personal Protective Equipment (Level B)	\$70.00	Man-day		\$0.00
4	LVE	\$0.80	per person field hr	120	\$96.00
6	Tolls	\$25.00	per trip	3	\$75.00
7	Mileage	\$0.510	mile	1209	\$616.59
8	Hotel	\$114.00	night	12	\$1,368.00
9	Breakfast	\$14.00	day	12	\$168.00
10	Dinner	\$57.00	day	12	\$684.00
Task 2 Total:					\$3,187.59
1	Personal Protective Equipment (Level D)	\$15.00	Man-day	10	\$150.00
2	Personal Protective Equipment (Level C)	\$30.00	Man-day		\$0.00
3	Personal Protective Equipment (Level B)	\$70.00	Man-day		\$0.00
4	LVE	\$0.80	per person field hr	100	\$80.00
6	Mileage	\$0.510	mile	1209	\$616.59
7	Tolls	\$25.00	per trip	3	\$75.00
8	Hotel	\$137.00	night	10	\$1,370.00
9	Breakfast	\$14.00	day	10	\$140.00
10	Dinner	\$57.00	day	10	\$570.00
Task 3 Total:					\$3,001.59

Engineer/Contract#:
Project Name:
Work Assignment No.:

D006132
1305 S. Strong Ave
D006132-20

SCHEDULE 2.11(c)

Printed: 04/11/11

Direct Non-Salary Costs

Item	Estimated Cost (\$)	Max. Reimbursement Rate	Units	Est. No of Units	Total
C) Printing/Plotting or Reproduction Costs					
1	Black and White - 8.5 x 11	\$0.03	copy	150	\$4.50
2	Black and White - 11 x 17	\$0.07	copy		\$0.00
3	Color - 8.5 x 11	\$0.50	copy	10	\$5.00
4	Color - 11 x 17	\$1.00	copy		\$0.00
5	Drawings black & white	\$0.35	per sq ft or approx.		\$0.00
		\$2.40	drawing		\$0.00
6	Color Plots	\$2.25	per sq ft or approx.		\$0.00
		\$13.50	drawing		\$0.00
Task 1 Total:					\$9.50
1	Black and White - 8.5 x 11	\$0.03	copy	350	\$10.50
2	Black and White - 11 x 17	\$0.07	copy	65	\$4.55
3	Color - 8.5 x 11	\$0.50	copy	30	\$15.00
4	Color - 11 x 17	\$1.00	copy	48	\$48.00
5	Drawings black & white	\$0.35	per sq ft or approx.		\$0.00
		\$2.40	drawing		\$0.00
6	Color Plots	\$2.25	per sq ft or approx.		\$0.00
		\$13.50	drawing	23	\$310.50
Task 4 Total:					\$388.55
Total Direct Non-Salary Costs					\$6,892.76

Engineer/Contract#:	D006132	Date Prepared:	4/11/2011 10:39
Project Name:	1305 S. Strong Ave		
Work Assignment No.:	D006132-20		

Schedule 2.11(d) 3

Maximum Reimbursement Rate for Vendor Rented Equipment

Item	Max. Reimbursement	Units	Est. Usage (units of Time)	Est. Rental Cost (\$ (Col 2 x3)
MiniRae 2000	75	day		\$0.00
MiniRae 2000	200	week	2	\$400.00
DataRamTM pDR-1000	75	day		\$0.00
DataRamTM pDR-1000	190	week		\$0.00
YSI w/ turbidity meter	100	day		\$0.00
YSI w/ turbidity meter	300	week		\$0.00
O/W Interface Probe	45	day		\$0.00
O/W Interface Probe	140	week	2	\$280.00
Peristaltic Pump	25	day	2	\$50.00
Trimble Unit	200	day		\$0.00
Hand Auger Kit	80	day		\$0.00
Hertz Truck	400	LS		\$0.00
Excavator	2178.36	LS		\$0.00
Task 2 Total:				\$730.00
MiniRae 2000	75	day		\$0.00
MiniRae 2000	200	week	1	\$200.00
DataRamTM pDR-1000	75	day		\$0.00
DataRamTM pDR-1000	190	week		\$0.00
YSI w/ turbidity meter	100	day		\$0.00
YSI w/ turbidity meter	300	week	1	\$300.00
O/W Interface Probe	45	day		\$0.00
O/W Interface Probe	140	week	1	\$140.00
Peristaltic Pump	25	day		\$0.00
Trimble Unit	200	day		\$0.00
Hertz Truck	400	LS		\$0.00
Task 3 Total				\$640.00
TOTAL:				\$1,370.00

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

Engineer/Contract#: D006132 Date Prepared: 4/11/2011 10:39
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20

Schedule 2.11(d) 5

Consumable Supplies

Item	Estimated Quantity	Units	Unit Cost (\$)	Total Budgeted Cost (Col 2 x3) (\$)
Gloves	4	box	\$15.00	\$60.00
Tubing	150	feet	\$3.50	\$525.00
Misc	2	each	\$100.00	\$200.00
			Task 2 Total:	\$785.00
Gloves	1	box	\$15.00	\$15.00
Tubing		feet	\$3.50	\$0.00
Misc	1	each	\$100.00	\$100.00
			Task 3 Total:	\$115.00
			TOTAL	\$900.00

Engineer/Contract#: D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20

Date Prepared: 4/11/2011 10:39

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Zebra Environmental	Test Pits, Direct Push & Hollow Stem Auger Drilling	\$32,488.13	\$1,547.05

Item	Max. Reimbursement Rate (\$)*	Units	Est. No. of Units	Total Est. Cost
Hand clear each location to 5 ft bgs	\$1,500.00	Day	1	\$1,500.00
Town/City Permits		LS		\$0.00
State Permits		LS		\$0.00
Mobilization/Demobilization	\$425.00	LS	1	\$425.00
Daily Rig / Crew Rate (Direct Push)	\$1,575.00	Day	2	\$3,150.00
Soil samples (2 per location, 25 locations)	\$10.00	Each	50	\$500.00
Well Sand	\$10.00	Bag	5	\$50.00
Granular Bentonite	\$25.00	Bag	2	\$50.00
Portland Cement	\$10.00	Bag	5	\$50.00
Steam cleaner rental w/water tank	\$175.00	Day	2	\$350.00
decon drill rig, toos and other equi btwn borings	\$100.00	Hr	2	\$200.00
55-gallon DOT drum	\$60.00	Each	1	\$60.00
Drum staging/management	\$100.00	Hr	1	\$100.00
Mobilization/Demobilization (work to be combined w/	\$1,050.00	LS	1	\$1,050.00
Daily Rig / Crew Rate (Direct Push)	\$1,575.00	Day	5	\$7,875.00
Well Sand	\$10.00	Bag	9	\$90.00
Granular Bentonite	\$25.00	Bag	4	\$100.00
Portland Cement	\$10.00	Bag	5	\$50.00
55-gallon DOT drum	\$60.00	Each	2	\$120.00
Groundwater Grab Samples	\$2.00	Each	63	\$126.00
GW Sample Tubing (poly)	\$0.25	ft	2430	\$607.50
Drum staging/management	\$100.00	Hr	1	\$100.00
Mobilization/Demobilization	\$425.00	LS	1	\$425.00
Hydraulic Backhoe & operator	\$1,500.00	Day	2	\$3,000.00
Tax 8.625&	\$1,724.14	ls	1	\$1,724.14

Task 2 Total \$21,702.64

Mobilization/Demobilization	\$425.00	LS	1	\$425.00
Daily Rig / Crew Rate (HSA)	\$1,575.00	Day	2	\$3,150.00
Monitoring Well - 2 inch sch. 40 PVC riser	\$5.00	Feet	30	\$150.00
Monitoring Well - 2 inch sch. "pre-packed" 40 PVC	\$30.00	Feet	60	\$1,800.00
Well Sand	\$10.00	Bag	24	\$240.00
Granular Bentonite	\$25.00	Bag	3	\$75.00
Portland Cement	\$10.00	Bag	6	\$60.00
4-inch Protective Steel Casing (w/ locking cap	\$190.00	Each	6	\$1,140.00
Groundwater Grab Samples	\$12.00	Each	6	\$72.00
GW Sample Tubing (poly)	\$0.25	ft	90	\$22.50
Steam cleaner rental w/water tank	\$175.00	Day	2	\$350.00
decon drill rig, tools and other equip btwn borings	\$100.00	Hr	2	\$200.00
55-gallon DOT drum	\$60.00	Each	2	\$120.00
Development	\$100.00	Hr	6	\$600.00
Drum staging/management	\$100.00	Hr	1	\$100.00
Tax 8.625&	\$733.94	ls	1	\$733.94

Task 3 Total \$9,238.44

Subcontract Management Fee: \$1,547.05

TOTAL: \$32,488.13

Engineer/Contract#:
Project Name:
Work Assignment No.:

D006132
1305 S. Strong Ave
D006132-20

Date Prepared: 4/11/2011 10:39

Schedule 2.11(f)

Unit Price Subcontracts

<i>Name of Subcontractor</i>	<i>Services to be Performed</i>	<i>Subcontract Price</i>	<i>Management Fee</i>
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Chemtech	Soil and GW Analytical	\$52,285.00	\$2,614.25
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Max. Reimbursement Rate				
Item	(\$)*	Units	Est. No. of Units	Total Est. Cost
Soil Samples for VOCs	\$80.00	each	70	\$5,600.00
Soil Samples for SVOCs	\$180.00	each	70	\$12,600.00
Soil Samples for Metals	\$110.00	each	70	\$7,700.00
Soil Samples for PCBs	\$65.00	each	70	\$4,550.00
Groundwater Samples for VOCs	\$80.00	each	75	\$6,000.00
Groundwater Samples for PCBs	\$65.00	each	71	\$4,615.00
Groundwater Samples for Metals filtered	\$110.00	each	71	\$7,810.00
Groundwater Samples for Metals unfiltere	\$110.00	each	31	\$3,410.00

Task 2 Total: \$52,285.00

Subcontract Total: \$52,285.00

Subcontract Management Fee: \$2,614.25

TOTAL: \$54,899.25

Engineer/Contract#:
 Project Name:
 Work Assignment No.:

D006132
 1305 S. Strong Ave
 D006132-20

Date Prepared: 4/11/2011 10:39

Schedule 2.11(f)

Unit Price Subcontracts

<i>Name of Subcontractor</i>	<i>Services to be Performed</i>	<i>Subcontract Price</i>	<i>Management Fee</i>
Centek (WBE)	Air Analysis	\$2,100.00	\$100.00

<i>Item</i>	<i>Max. Reimbursement Rate (\$)*</i>	<i>Units</i>	<i>Est. No. of Units</i>	<i>Total Est. Cost</i>
TO-15 (volatiles)	\$250.00	each	8	\$2,000.00

Task 2 Total: **\$2,000.00**

Subcontract Total: **\$2,000.00**

Subcontract Management Fee: **\$100.00**

TOTAL: **\$2,100.00**

Engineer/Contract#:	<u>D006132</u>	Date Prepared:	<u>4/11/2011 10:39</u>
Project Name:	<u>1305 S. Strong Ave</u>		
Work Assignment No.:	<u>D006132-20</u>		

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
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Validata	Validation Services (DUSR)	\$7,373.50	\$0.00
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Max. Reimbursement Rate		Units	Est. No. of Units	Total Est. Cost
Item	(\$)*			
8260 VOC - Soil	\$14.00	each	70	\$980.00
8270 SVOCs - Soil	\$15.50	each	70	\$1,085.00
8082 PCBs - Soil	\$10.50	each	70	\$735.00
6010/7471 Metals - Soils (+titanium)	\$15.50	each	70	\$1,085.00
8260 VOCs - Water	\$14.00	each	75	\$1,050.00
8082 PCBs - Water	\$10.50	each	71	\$745.50
6010/7471 Metals filtered - Water	\$15.50	each	71	\$1,100.50
6010/7471 Metals unfiltered - Water	\$15.50	each	31	\$480.50
TO-15 Air	\$14.00	each	8	\$112.00

Task 3 Total: \$7,373.50

Subcontract Total: \$7,373.50

Subcontract Management Fee:

TOTAL: \$7,373.50

Engineer/Contract#:	<u>D006132</u>	Date Prepared:	<u>4/11/2011 10:39</u>
Project Name:	<u>1305 S. Strong Ave</u>		
Work Assignment No.:	<u>D006132-20</u>		

Schedule 2.11(f)

Unit Price Subcontracts

<i>Name of Subcontractor</i>	<i>Services to be Performed</i>	<i>Subcontract Price</i>	<i>Management Fee</i>
CT Male	Site Survey	\$4,700.00	\$0.00

<i>Item</i>	<i>Max. Reimbursement Rate (\$)*</i>	<i>Units</i>	<i>Est. No. of Units</i>	<i>Total Est. Cost</i>
Site Survey	\$4,700.00	each	1	\$4,700.00
Task 3 Total:				\$4,700.00
Subcontract Total:				\$4,700.00
Subcontract Management Fee:				\$0.00
TOTAL:				\$4,700.00

Engineer/Contract#:
Project Name:
Work Assignment No.:

D006132
1305 S. Strong Ave
D006132-20

Date Prepared: 4/11/2011 10:39

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
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AWT	Waste Removal	\$4,642.50	\$0.00
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Item	Max. Reimbursement Rate (\$)*	Units	Est. No. of Units	Total Est. Cost
Field Identification	\$525.00	day	1	\$525.00
Analysis - Water/Soil	\$410.00	Waste	2	\$820.00
Analysis - Solvent	\$165.00	Waste	3	\$495.00
Packaging for 1 lab pack	\$85.00	drum	1	\$85.00
Transportation	\$550.00	pickup	1	\$550.00
Fuel Surcharge	\$192.50	pickup	1	\$192.50
Disposal - Drill cuttings, PPE & purge	\$90.00	drum	6	\$540.00
Disposal - Haz drums	\$395.00	drum	3	\$1,185.00
Solvent/Paint Lab pack	\$250.00	drum	1	\$250.00

Task 3 Total: \$4,642.50

Subcontract Total: \$4,642.50

Subcontract Management Fee: \$0.00

TOTAL: \$4,642.50

Engineer/Contract#:
Project Name:
Work Assignment No.:

D006132
1305 S. Strong Ave
D006132-20

Date Prepared: 4/11/2011 10:39

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Naeva	Geophysical	\$4,845.00	\$0.00

Item	Max. Reimbursement Rate (\$)*	Units	Est. No. of Units	Total Est. Cost
Mobilization/Demobilization	\$1,000.00	each	1	\$1,000.00
Standby		hour	0	\$0.00
GPR survey of 4 test pits	\$645.00	ls	1	\$645.00
Magnetometer survey of 4 test pits		ls	1	\$0.00
GPR survey of 34 locations &	\$2,055.00	ls	1	\$2,055.00
Magnetometer survey of 34 locations &		ls	1	\$0.00
Mobilization/Demobilization	\$500.00	each	1	\$500.00
Standby		hour	1	\$0.00
GPR survey of 6 locations &	\$645.00	LS	1	\$645.00
Magnetometer survey of 6 locations &		LS	1	

Task 2 Total: \$4,845.00

Subcontract Total: \$4,845.00

Subcontract Management Fee: \$0.00

TOTAL: \$4,845.00

Schedule 2.11(g)

Monthly Cost Control Report Summary of Fiscal Information

PM/Engineer: David Stoll
 Contract#: D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20
 Task No./Name Task 1-4 Summary
 Complete 0%

Page 1 of 5
 Date Prepared: 4/11/2011 10:39
 Billing Period
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid to Date	Total Disallowed to Date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment	Approved Budget	Estimated Under/Over (G-F)
1 Direct Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35,934.32	\$0	-\$35,934
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41,324.47	\$0	-\$41,324
3 Subtotal Direct Salary Costs and Indirect Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$77,258.79	\$0	-\$77,259
4 Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,942.71	\$0	-\$5,943
5 Other Non-Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,220.05	\$0	-\$3,220
6 Subtotal Direct Non-Salary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9,162.76	\$0	-\$9,163
7 Subcontractors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$111,048.38	\$0	-\$111,048
8 Total WA Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$197,469.93	\$0	-\$197,470
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,962.02	\$0	-\$8,962
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$206,431.95	\$0	-\$206,432

Project Manager (Engineer) _____

Date _____

Schedule 2.11(g)

Monthly Cost Control Report Summary of Fiscal Information

PM/Engineer: David Stoll
 Contract#: D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20
 Task No./Name 01/Preliminary Activities
 Complete 0%

Page 2 of 2
 Date Prepared: 4/11/2011 10:39
 Billing Period
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid to Date	Total Disallowed to Date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment	Approved Budget	Estimated Under/Over (G- F)
1 Direct Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,572.66	\$0.00	-\$5,572.66
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,408.56	\$0.00	-\$6,408.56
3 Subtotal Direct Salary Costs and Indirect Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11,981.22	\$0.00	-\$11,981.22
4 Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$259.53	\$0.00	-\$259.53
5 Other Non-Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$55.50	\$0.00	-\$55.50
6 Subtotal Direct Non-Sala	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$315.03	\$0.00	-\$315.03
7 Subcontractors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8 Total WA Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,296.25	\$0.00	-\$12,296.25
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,389.82	\$0.00	-\$1,389.82
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13,686.07	\$0.00	-\$13,686.07

Project Manager (Engineer) _____

Date _____

Schedule 2.11(g)

Monthly Cost Control Report Summary of Fiscal Information

PM/Engineer: David Stoll
 Contract#: D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20
 Task No./Name Task 2 - RI Phase I
 Complete 0%

Page 3 of 5
 Date Prepared: 4/11/2011 10:39
 Billing Period
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid to Date	Total Disallowed to Date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment	Approved Budget	Estimated Under/Over (G- F)
1 Direct Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9,913.16	\$0.00	-\$9,913.16
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11,400.13	\$0.00	-\$11,400.13
3 Subtotal Direct Salary Costs and Indirect Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21,313.29	\$0.00	-\$21,313.29
4 Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,911.59	\$0.00	-\$2,911.59
5 Other Non-Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,791.00	\$0.00	-\$1,791.00
6 Subtotal Direct Non-Salary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,702.59	\$0.00	-\$4,702.59
7 Subcontractors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$85,093.94	\$0.00	-\$85,093.94
8 Total WA Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$111,109.82	\$0.00	-\$111,109.82
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,472.34	\$0.00	-\$2,472.34
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$113,582.17	\$0.00	\$0.00

Project Manager (Engineer) _____

Date _____

Schedule 2.11(g)

Monthly Cost Control Report Summary of Fiscal Information

PM/Engineer: David Stoll
 Contract#: D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20
 Task No./Name Task 3 - Phase II Remedial Investigation
 Complete 0%

Page 4 of 5
 Date Prepared: 4/11/2011 10:39
 Billing Period
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid to Date	Total Disallowed to Date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment	Approved Budget	Estimated Under/Over (G- F)
1 Direct Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,021.34	\$0.00	-\$8,021.34
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9,224.54	\$0.00	-\$9,224.54
3 Subtotal Direct Salary Costs and Indirect Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17,245.88	\$0.00	-\$17,245.88
4 Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,771.59	\$0.00	-\$2,771.59
5 Other Non-Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$985.00	\$0.00	-\$985.00
6 Subtotal Direct Non-Salary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,756.59	\$0.00	-\$3,756.59
7 Subcontractors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25,954.44	\$0.00	-\$25,954.44
8 Total WA Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46,956.91	\$0.00	-\$46,956.91
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,000.52	\$0.00	-\$2,000.52
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48,957.43	\$0.00	-\$48,957.43

Project Manager (Engineer) _____

Date _____

Schedule 2.11(g)

Monthly Cost Control Report Summary of Fiscal Information

PM/Engineer: David Stoll
 Contract#: D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20
 Task No./Name Task 4 - Detailed Analysis of Alternatives (3rd Phase FS) and Remedy
 Complete 0%

Page 5 of 5
 Date Prepared: 4/11/2011 10:39
 Billing Period
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid to Date	Total Disallowed to Date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment	Approved Budget	Estimated Under/Over (G-F)
1 Direct Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,427.16	\$0.00	-\$12,427.16
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14,291.23	\$0.00	-\$14,291.23
3 Subtotal Direct Salary Costs and Indirect Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26,718.39	\$0.00	-\$26,718.39
4 Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5 Other Non-Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$388.55	\$0.00	-\$388.55
6 Subtotal Direct Non-Salary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$388.55	\$0.00	-\$388.55
7 Subcontractors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8 Total WA Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27,106.94	\$0.00	-\$27,106.94
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,099.33	\$0.00	-\$3,099.33
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30,206.28	\$0.00	-\$30,206.28

Project Manager (Engineer) _____

Date _____

Schedule 2.11(g) - Supplemental

Cost Control Report for Subcontracts

PM/Engineer: David Stoll
D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20
 Complete 0%

Page 1 of 2
 Date Prepared: 4/11/2011 10:39
 Billing Period
 Invoice No.

Subcontract Name	A	B	C	D	E	F	G
	Subcontracts Costs Claimed this Application Inc. Resubmittals	Costs Approved for Payment on Previous Applicatons	Total Subcontract Costs to Date (A + B)	Subcontract Approved Budget	Management Fee Budget	Management Fee Paid	Total Costs to Date (C plus F)
1 Zebra			\$0.00	\$30,941	\$1,547		\$0.00
2 Chemtech			\$0.00	\$52,285	\$2,614		\$0.00
3 Centek (WBE)			\$0.00	\$2,000	\$100		\$0.00
4 Validata			\$0.00	\$7,374			\$0.00
5 CT Male			\$0.00	\$4,700			\$0.00
6 AWT			\$0.00	\$4,643			\$0.00
7 Naeva			\$0.00	\$4,845			\$0.00
8							\$0.00
9							\$0.00
Total	\$0.00	\$0.00	\$0.00	\$106,787	\$4,261	\$0.00	\$0.00

Project Manager

Date

NOTES:

- 1 Costs listed in Columns A, B, C & D do not include any management fee costs.
- 2 Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- 3 Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(h)
Monthly Costs Control Report
Summary of Labor Hours

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

Engineer/Contract#: Dave Stoll/D006132
 Project Name: 1305 S. Strong Ave
 Work Assignment No.: D006132-20

Date Prepared: 4/11/2011 10:41
 Billing Period: _____
 Invoice No.: _____

NSPE Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Direct Labor Hours Exp/Est
	Exp/Est*		Exp/Est*		Exp/Est*		Exp/Est*		Exp/Est*		Exp/Est*		Exp/Est*		Exp/Est*		Exp/Est*		
Task 1		5							15		100		60		12				192
Task 2		6							25		200		100		8				339
Task 3		5							15		150		100		8				278
Task 4		8					40		60		200		80		20				408
Task 5																			0
Task 6																			0
Task 7																			0
Task 8																			0
Task 9																			0
Task 10																			0
Task 11																			0
Task 12																			0
Total Hours	0	24	0	0	0	0	0	40	0	115	0	650	0	340	0	48	0	0	1217

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

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Levee Property 00-1

Site/Spill Number 152201 Contract/WA # D006132-20

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

Check the appropriate box and complete the chart below:

☐ Standby cost-plus-fixed-fee subconsultant selected on rotational basis.

☐ Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

☒ Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

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

☐ Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).

☐ Total estimated costs range from \$10,000 to \$20,000; three **written** responsive quotes must be obtained and attached.

☐ Total estimated costs are over \$20,000; five **written** responsive quotes must be obtained and attached.

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

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

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
ZEBRA	576-596-6300	3/30/11	\$30,941

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

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

David Stone 3/30/11
Signature of Contractor's Authorized Representative Date

Shaw E and I of New York, P.C. D006132- 20
Contractor Name Contract/WA No.

ZEBA
Subcontractor Name

Rev. 02/11/10

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Lewey Property OV-1

Site/Spill Number 152201 Contract/WA # D006132-20

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

Check the appropriate box and complete the chart below:

☐ Standby cost-plus-fixed-fee subconsultant selected on rotational basis.

☒ Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

☐ Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

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

☐ Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).

☐ Total estimated costs range from \$10,000 to \$20,000; three **written** responsive quotes must be obtained and attached.

☐ Total estimated costs are over \$20,000; five **written** responsive quotes must be obtained and attached.

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

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

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
LAHENTECH	908-789-8900	3/30/11	\$52,285

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

Shaw E and I of New York, P.C. _____ D006132- 20
Contractor Name Contract/WA No.

Rev. 02/11/10

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Levee Property OV-1

Site/Spill Number 152201 Contract/WA # D006132-20

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

Check the appropriate box and complete the chart below:

☐ Standby cost-plus-fixed-fee subconsultant selected on rotational basis.

☒ Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

☐ Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

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

☐ Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).

☐ Total estimated costs range from \$10,000 to \$20,000; three **written** responsive quotes must be obtained and attached.

☐ Total estimated costs are over \$20,000; five **written** responsive quotes must be obtained and attached.

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

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

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
CEN TEK	315-431-9730	3/30/11	\$2000

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

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

Nand Stoll 3/30/11
Signature of Contractor's Authorized Representative Date

Shaw E and I of New York, P.C. D006132- 20
Contractor Name Contract/WA No.

CENTER LABS
Subcontractor Name

Rev. 02/11/10

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Lewey Property OV-1

Site/Spill Number 152201 Contract/WA # D006132-20

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

Check the appropriate box and complete the chart below:

☐ Standby cost-plus-fixed-fee subconsultant selected on rotational basis.

☐ Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

☐ Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

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

☒ Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).

☐ Total estimated costs range from \$10,000 to \$20,000; three **written** responsive quotes must be obtained and attached.

☐ Total estimated costs are over \$20,000; five **written** responsive quotes must be obtained and attached.

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

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

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
VALIDATA	770-232-0130	3/30/11	\$ 7,374

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

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

Nand Stoll 3/30/11
Signature of Contractor's Authorized Representative Date

Shaw E and I of New York, P.C. _____ D006132- 20
Contractor Name Contract/WA No.

Validata
Subcontractor Name

Rev. 02/11/10

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Levey Property 00-1

Site/Spill Number 152201 Contract/WA # D006132-20

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

Check the appropriate box and complete the chart below:

☐ Standby cost-plus-fixed-fee subconsultant selected on rotational basis.

☐ Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

☐ Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

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

☒ Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).

☐ Total estimated costs range from \$10,000 to \$20,000; three **written** responsive quotes must be obtained and attached.

☐ Total estimated costs are over \$20,000; five **written** responsive quotes must be obtained and attached.

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

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

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
C. T. MALE	578-786-7605	3/30/11	\$4,700

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

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

Nand Stoll 3/30/11
Signature of Contractor's Authorized Representative Date

Shaw E and I of New York, P.C. D006132- 20
Contractor Name Contract/WA No.

C. T. MALE
Subcontractor Name

Rev. 02/11/10

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Levey Property 00-1

Site/Spill Number 152201 Contract/WA # D006132-20

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

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☐ 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.)

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

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
AWT	732-613-1660	3/30/11	\$4,643

WASTE REMOVAL

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

Shaw E and I of New York, P.C. _____ D006132- 20
Contractor Name Contract/WA No.

Rev. 02/11/10

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Levey Property 00-1

Site/Spill Number 152201 Contract/WA # D006132-20

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

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
NAEVA	845-268-1800	3/30/11	\$4,845

GEORGY STACE - Utility
Clearance

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

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

Nanci Stein 3/30/11
Signature of Contractor's Authorized Representative Date

Shaw E and I of New York, P.C. _____ D006132- 20
Contractor Name Contract/WA No.

NAEVA GEOPHYSICAL - Utility Clearance
Subcontractor Name

Rev. 02/11/10