



March 1, 2011

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

**Subject: Executive Summary for Work Assignment D006132-18
Warrensburg Laundry and Dry Cleaning - Site Characterization**

Dear Ms. Indelicato:

Shaw Environmental and Infrastructure Engineering of New York, P.C (Shaw) is submitting the attached 2.11 budget summary and checklist for tasks one through four of the Warrensburg Laundry and Dry Cleaning Site (Site Number 5-57-022). This scope of services discussed herein is based upon Work Assignment (WA) D006132-18 provided to Shaw on December 7, 2010 and subsequent meetings, electronic mail and conference calls with the New York State Department of Environmental Conservation (NYSDEC). As detailed, the intent of this investigation at the Warrensburg Laundry and Dry Cleaning located at 11 Richards Avenue, Warrensburg, Warren County, New York (site), is to collect additional subsurface data to determine the need for long term groundwater and/or soil vapor intrusion monitoring. This will be accomplished by completing an investigation that includes soil, groundwater and soil vapor sampling to identify and quantify the extent of impacts at the site.

Project activities will be completed in accordance with this February 2011 cost estimate/work scope. Shaw assumes that the initial phase of field work will be completed prior to March 31, 2011. Subsequent to the completion of the field activities and the site survey a Site Characterization Report (SCR) will be completed prior to July 31, 2011.

Please note that Shaw Labor Costs included herein includes direct costs (using average reimbursement rates supplied to Shaw from the NYSDEC for 2011), indirect costs and fixed fee items. Shaw solicited bids from all five of our standby hollow stem auger (HSA) drilling companies (Parratt-Wolff, Natures Way, Geologic, Aztech and Buffalo Drilling); Aztech submitted the lowest price. One of the drilling companies, Geologic was not responsive in providing a cost for this work. The electronic mail documenting this is included in the attached 2.11 package.

Shaw awarded the soil, groundwater and air analysis to Upstate Laboratories, Inc. (Upstate) as they were the next vendor in Shaw's standby laboratory rotation. Shaw has included costs for the analysis of up to 18 soil samples, 22

groundwater samples and 7 air samples. It is anticipated that one soil sample will be collected from each soil boring in addition to a duplicate sample, matrix spike (MS) and matrix spike duplicate (MSD). Also included is the cost for 22 groundwater samples from the 12 proposed sample locations/well locations, 7 existing well locations and the appropriate number of quality assurance/quality control (QA/QC) samples. The costs for five soil gas, one soil gas duplicate and one ambient air sample are also included as detailed in the work authorization received from the NYSDEC. The cost of the 18 soil samples, 22 groundwater samples and 7 air samples is \$23,364.60 (\$22,252 plus a \$1,112.60 subcontractor management fee).

Site-specific cost estimates were solicited from six qualified data validation companies (Validata, Environmental Data Validation (EDV), Data Validation Services (DVS), EcoChem, Stone Environmental and Environmental Quality Associates (EQA)). Validata submitted the lowest price. The award is for \$3,392.00.

Five qualified surveyors provided site-specific cost estimates (CT Male, YEC, Stantec, Shumaker and Santo) to survey the sample locations and provide a base map of the site. Shaw received three responses (Santo, YEC and Shumaker) and Santo submitted the lowest bid. The electronic mail documenting these bids is included in the attached 2.11 package.

Shaw used an engineer's estimate to select the waste removal company required to complete Task 2 of this WA. Shaw awarded the work to Clean Harbors. The award is for \$4,027.32 which is less than 5% of the total Work Assignment. This estimate assumes one site visit to pick up drums containing drill cuttings, development water and groundwater obtained during installation of the five permanent monitoring wells and delivery to an approved disposal facility. The electronic mail documenting these bids is included in the attached 2.11 package.

Task 1 – Preliminary Activities

This task includes a scoping meeting to discuss this project, complete the initial site visit with the NYSDEC Project Manager (PM) as well as the time to complete a file review (i.e. EDR Report review), develop the 2.11s, progress schedule, site - specific HASP, and prepare this executive summary.

This task includes the following items and assumptions:

- Scoping Meeting (1 meeting);
- Trip to the site (1 day);
- File review (2 days);
- Preparation of Site Specific HASP;
- 2.11s, progress schedule, and preparation of this executive summary.

Shaw Labor	\$ 9,828
Subcontractor	\$ 550
Travel/Materials	<u>\$ 102</u>
TOTAL	\$ 10,480

Task 2 – Investigative Tasks

This task includes the time and materials required for the completion of site assessment activities that includes soil vapor, soil and groundwater sampling, and monitoring well installation.

Pre-Field Work Site Reconnaissance

As mentioned previously, the intent of this Site Characterization investigation is to further delineate the extent of impacts to the soil, groundwater and soil vapor at the site, to determine the need for long term groundwater and/or soil vapor intrusion monitoring. The primary objectives of this task are to coordinate site investigation activities with the current property owner/tenant (if necessary) and to verify the locations for all proposed soil gas, groundwater grab and monitoring well locations. Prior to mobilization, Shaw will coordinate with the Underground Facilities Protection Organization (UFPO) and current project location personnel 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.

NYSDEC personnel will be responsible for the initial notification and contact with the property owner to establish access.

Soil/Groundwater Sampling

Prior to the beginning of investigative activities, Shaw's drilling subcontractor will obtain all necessary and required permits (State, County, Town, etc) to complete the drilling activities.

The generalized scope of work is to advance twelve (12) borings, five (5) of which will be completed as monitoring wells. Seven of the 12 borings will be completed as groundwater "grab" locations at a depth of approximately 50 feet below the ground surface (ft bgs) which is assumed to be the top of bedrock. The remaining five borings will be completed as permanent monitoring wells at an average depth of 35 ft bgs (which assumes that screens are set approximately 10 feet into the water table). Monitoring wells are expected to be constructed using 2-inch polyvinyl chloride (PVC) slotted screen (0.010-inch) and riser. The screen length is proposed to be 10 feet in length. The exact well construction details will be finalized following review of the current site conditions, actual field conditions and consultation with the NYSDEC PM. All five monitoring wells will be completed at grade with a locking curb box and secured in place with a concrete apron. These sampling locations may be modified or changed in the field in consultation with the NYSDEC PM. Locations will be continuously screened for Volatile

Organic Compounds (VOCs) with a calibrated photoionization detector (PID) and characterized using the USCS classification scheme to their determined depth.

One soil samples will be collected per soil boring location for laboratory analysis. Samples will be collected at the depth exhibiting the highest PID instrument response or visible staining or the soil/groundwater interface as detailed in Shaw's Field Activities Plan (FAP, submitted earlier to the NYSDEC under separate cover). Additionally, quality control samples will be collected using the ratio of 1 per 20 as detailed in Shaw's FAP. All soil samples will be analyzed for VOCs according to United States Environmental Protection Agency (US EPA) method 8260, semi-volatile organic compounds (SVOCs) using US EPA method 8270C, total metals by US EPA method 6010A and polychlorinated biphenyls (PCBs) using US EPA method 8082.

The newly installed monitoring wells will be developed no sooner than 24 hours after installation and allowed to stabilize for two weeks. Development of each monitoring well will include a combination of surging the well and pumping to remove groundwater from the well and will be considered complete when either the turbidity is below 50 NTUs, ten calculated well volumes have been removed or if the groundwater parameters (pH, specific conductivity, dissolved oxygen, turbidity, ORP, and temperature) have stabilized, whichever occurs first.

After the two week "rest" period, Shaw will collect a groundwater sample from each of the five newly installed monitoring wells and other select locations as determined in consultation with the NYSDEC. All groundwater samples, including the seven groundwater grab samples, will be collected via low-flow techniques until the parameters stabilize and at least one well volume has been removed. In addition, quality control samples (MS/MSD, duplicate, rinse blank and a trip blank, 1 per 20) will be collected for analysis. All groundwater samples will be analyzed for VOCs, SVOCs and total metals by US EPA methods 8260, 8270C and 7000/6010A, respectively. All groundwater samples will be entered onto a chain-of-custody (COC), placed into a properly packaged cooler and sent to Upstate, an approved ELAP certified laboratory, for analysis.

Soil Gas Sampling

Soil gas samples will be collected to assess the potential for vapor intrusion in this area. Seven air samples will be collected as part of this investigation (five soil gas, one ambient air and one soil gas duplicate). These locations will be determined in consultation with the NYSDEC PM.

The five borings will be advanced to approximately 10 feet below ground surface to evaluate soil vapor conditions at the offsite property. The borings will be completed as "permanent" soil vapor points to facilitate the collection of soil vapor samples. A helium leak detection test will be performed to ensure 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 6-liter summa canister with an 8-hour regulator (both batch certified) will be attached to the tubing. All soil vapor samples will be collected concurrently. One duplicate sample and one ambient air sample will be collected during the same time as the soil gas samples.

Shaw will record the serial number of each canister and associated regulator on the COC form and field notebook/sample form. The assigned sample identification will be placed on the canister identification tag and

recorded on the COC and field notebook/sample form. Additionally, the gauge pressure and sample start time will also be recorded. Pursuant to the approved sampling methodology and guidance, the vacuum gauge pressure must read -25 inches mercury (Hg) or less, or the canister cannot be used and will be replaced. A digital photograph of each canister setup and surrounding area will be taken for the project files to document the set-up.

Sampling will continue until approximately 5 inches Hg remains in the canister. Once sampling is complete, Shaw will install the plug on the canister inlet fitting, place the sample container in the original box and complete the sample collection log with the appropriate information and log each sample on the COC form.

Soil vapor samples will be shipped under proper chain of custody to Upstate, an approved ELAP certified laboratory, for analysis of volatile organic compounds (VOCs) by EPA method TO-15 to an accuracy of 1 µg/m³ and 0.25 µg/m³ for Trichloroethene (TCE).

An inspection of general site conditions will also be performed at the Site or sampling locations during soil gas sample collection and include the following activities:

- Documentation of exterior weather conditions and inside temperature.
- Ambient air (indoor and outdoor) screening using field equipment (i.e. ppb PID or similar)

This task (Task 2) includes the following assumptions:

- Monitoring well installation: 14 days with Shaw oversight
- Soil vapor point installation: 1 day with Shaw oversight
- Well Development: 1 day
- Groundwater sampling via low-flow techniques: 3 days

Shaw Labor	\$ 9,670
Subcontractor Costs	\$ 61,715
Travel/Materials	<u>\$ 6,888</u>
TOTAL	\$ 78,273

Task 3 – Site Survey

Upon completion of the field work all newly installed monitoring well locations, pre-existing monitoring well locations, soil vapor sample locations and off-site building edges, road edges, etc. will be established by a New York State Licensed Surveyor. A detailed base map of the project site/off-site and immediate vicinity will be developed. The property lines of the site/off-site parcel will also be placed on the base map.

Shaw Labor	\$ 926
Subcontractor Costs	\$ 1,900
Travel/Materials	<u>\$ 233</u>
TOTAL	\$ 3,059

Task 4 – Investigation Summary Report

Once the validated data has been received, a Site Characterization Report (SCR) will be prepared. The report will include file review data, analytical data and field investigative activities. The report will include tabulated data, figures, boring logs, sample location maps, local groundwater flow direction, and “spider” maps for detections of compounds above their applicable guidance criteria. The report will be issued to the NYSDEC for review no later than 30 days after receiving all validated site sampling data.

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, analyte detections for each media, etc), photographs, 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 custodies, any related sampling and inspection forms as well as a copy of any data usability reports to the NYSDEC.

Shaw Labor	\$ 6,160
Travel/Materials	<u>\$ 389</u>
TOTAL	\$ 6,549

WORK ASSIGNMENT TOTAL \$98,361

Schedule

Field work will be scheduled within 30 days of submission and approval of this Executive Summary/Scope of Work to the NYSDEC. Upon approval of the scope of work and approval of site access by the NYSDEC, Shaw will schedule the field work with the approved geoprobe contractor. The following schedule is proposed:

- Shaw will include information from the earlier investigations in the final report.
- Shaw will schedule a site visit within 2 weeks of the 2.11 approval.
- Shaw anticipates that the site survey, monitoring well installation, soil vapor point installation, development and sampling efforts (Task 2 and 3) can be completed in approximately 19 days.

- Shaw will coordinate the drilling subcontractor contractor's schedule to minimize the impact to site operations and expedite the sampling effort. The work start time will be determined by the Shaw site supervisor and may vary depending on weather and site conditions.
- Analytical results will be received in a Category B deliverable format from the ELAP-approved laboratory within 28 days of sample receipt.
- 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 SCR discussing all historical data summary, site survey information, analytical data and field investigative activities. The report will include tabulated data, figures, boring logs, sample location maps, local groundwater flow direction, and "spider" maps for detection of compounds above their applicable guidance criteria. 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,

DRAFT

Heather A. Fariello, CHMM

Project Manager

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

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E-Mail Address: Marc.Flanagan@shawgrp.com

DRAFT

David C. Stoll, P.G.

Program Manager

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

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Warrensburg Laundry & Dry Cleaning, Inc.
Work Assignment Cost Schedule 2.11

**New York State Department of Environmental Conservation
Superfund Standby Contract**

Work Assignment #: D006132-18

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 Final Report (Task 4).

NYSDEC Project Manager: Kuldeep Gupta

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 #: D006132-18

Printed: 03/01/11

1	Direct Salary Costs (Schedules 2.10(a) and 2.11 (b))	<u>\$11,080</u>
2	Indirect Costs (Schedule 2.10(g))	<u>\$12,742</u>
3	Direct Non-Salary Costs (Schedules 2.10(b)(c)(d) and 2.11(c)(d))	<u>\$7,611</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>
			<u>\$0</u>

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.)	Aztech (WBE)	Drilling Services	<u>\$29,899</u>
ii.)	Upstate	Analytical Laboratory	<u>\$22,252</u>
iii.)	Validata	DUSR	<u>\$3,392</u>
iv)	Clean Harbors	Waste Disposal	<u>\$3,564</u>
v)	Santo	Survey	<u>\$1,900</u>
iv)	Environmental Data Resources	Database review	<u>\$550</u>

B)	Total Unit Price Subcontracts	<u>\$61,557</u>
5	Subcontract Management Fee	<u>\$2,608</u>
6	Total Subcontract Costs (lines 4A + 4B + 5)	<u>\$64,165</u>
7	Fixed Fee (Schedule 2.10(h))	<u>\$2,763</u>
8	Total Work Assignment Price (1+2+3+6+7)	<u>\$98,361</u>

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

D006132
Warrensburg Laundry & Dry Cleaning
D006132-18

Date Prepared: 3/1/2011 15:03

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: 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	2	\$114.04		\$0.00		\$0.00	4	\$150.12		\$0.00	80	\$2,400.00	40	\$1,029.20	20	\$402.60		\$0.00	146	\$4,095.96
Task 2	3	\$171.06		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	150	\$3,859.50		\$0.00		\$0.00	153	\$4,030.56
Task 3		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	15	\$385.95		\$0.00		\$0.00	15	\$385.95
Task 4	3	\$171.06		\$0.00		\$0.00	4	\$150.12		\$0.00	10	\$300.00	60	\$1,543.80	20	\$402.60		\$0.00	97	\$2,567.58
Total Hours	8		0		0		8		0		90		265		40		0		411	
Total Direct Labor Cost		\$456.16		\$0.00		\$0.00		\$300.24		\$0.00		\$2,700.00		\$6,818.45		\$805.20		\$0.00		\$11,080.05

Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Direct Labor Hours	
Task 1	\$58.73		\$49.38		\$44.87		\$38.66		\$34.48		\$30.90		\$26.50		\$20.73		\$15.15			
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
Total Hours	8		0		0		8		0		90		265		40		0		411	
Total Direct Labor Cost Years: 2011		\$456.16		\$0.00		\$0.00		\$300.24		\$0.00		\$2,700.00		\$6,818.45		\$805.20		\$0.00		\$11,080.05

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

Engineer/Contract#: D006132
 Project Name: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18

Date Prepared: 3/1/2011 15:03

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	1			3		1		2		7
Task 2										0
Task 3							2			2
Task 4	2					3		2		7
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	3	0	0	3	0	4	2	4	0	16

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

- 1) Work Plan Budget Development
 - Conflict of Interest check
- 2) Review work assignment (WA) progress
 - Supporting documentation
- 2) Review work assignment (WA) progress
 - Conduct progress reviews
 - Prepare monthly progress schedule
 - Update WA progress schedule
 - Prepare M/WBE Utilization Report
- 3) Contractor Application for Payment (CAP)
 - Oversee and prepare monthly CAP

- 4) Program Management
 - Prepare monthly cost control report
 - Cost control report
 - Staffing plans
 - Manage Subcontracts
 - NSPE list update
 - Equipment inventory
- 5) Miscellaneous
 - 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#:
Project Name:
Work Assignment No.:

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Warrensburg Laundry & Dry Cleaning
D006132-18

SCHEDULE 2.11(c)

Printed: 03/01/11

Direct Non-Salary Costs

Item	Estimated Cost (\$)	Max. Reimbursement Rate	Units	Est. No of Units	Total
A) Sample Analysis Rates (In-House Costs Only, for Subcontracts see Schedule 2.10(f) and 2.11 (f))*					
NOT APPLICABLE - Intentionally left blank					
B) Miscellaneous (Travel - Lodging, Meals, Transportation see Schedule 2.10(d) for rates)					
1	Personal Protective Equipment (Level D)	\$15.00	Man-day	1	\$15.00
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	\$0.00	per trip	1	\$0.00
6	Mileage	\$0.510	mile	118	\$60.18
7	Parking	\$1.00	Hr	1	\$1.00
Task 1 Total:					\$92.18
1	Personal Protective Equipment (Level D)	\$15.00	Man-day	19	\$285.00
4	LVE	\$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		\$0.00
5	Cell Phone Usage	\$30.00	Week		\$0.00
6	Tolls	\$0.00	per trip		\$0.00
7	Mileage	\$0.510	mile	354	\$180.54
8	Hotel	\$92.00	night	19	\$1,748.00
9	Breakfast	\$11.00	day	19	\$209.00
10	Dinner	\$55.00	day	19	\$1,045.00
Task 2 Total:					\$3,467.54
1	Personal Protective Equipment (Level D)	\$15.00	Man-day	1	\$15.00
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		\$0.00
5	Cell Phone Usage	\$30.00	Week		\$0.00
6	Mileage	\$0.510	mile	118	\$60.18
7	Tolls	\$0.00	per trip		\$0.00
8	Hotel	\$92.00	night	1	\$92.00
9	Breakfast	\$11.00	day	1	\$11.00
10	Dinner	\$55.00	day	1	\$55.00
Task 3 Total:					\$233.18

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

D006132
 Warrensburg Laundry & Dry Cleaning
 D006132-18

SCHEDULE 2.11(c)

Printed: 03/01/11

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. drawing		\$0.00
		\$2.40			\$0.00
6	Color Plots	\$2.25	per sq ft or approx. drawing		\$0.00
		\$13.50			\$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. drawing		\$0.00
		\$2.40			\$0.00
6	Color Plots	\$2.25	per sq ft or approx. drawing		\$0.00
		\$13.50		23	\$310.50
				Task 4 Total:	\$388.55
Total Direct Non-Salary Costs					\$4,190.95

Engineer/Contract#: D006132 Date Prepared: 3/1/2011 15:03
 Project Name: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18

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	3	\$600.00
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	3	\$900.00
O/W Interface Probe	45	day		\$0.00
O/W Interface Probe	140	week	3	\$420.00
Peristaltic Pump	25	day	3	\$75.00
Trimble Unit	200	day		\$0.00
Hand Auger Kit	80	day	2	\$160.00
Hertz Truck	400	LS		\$0.00
Excavator	2178.36	LS		\$0.00
Task 2 Total:				\$2,155.00
DataRamTM pDR-1000	75	day		\$0.00
MiniRae 2000	200	week		\$0.00
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		\$0.00
Peristaltic Pump	75	week		\$0.00
Trimble Unit	200	day		\$0.00
Hertz Truck	400	LS		\$0.00
Task 3 Total:				\$0.00
TOTAL:				\$2,155.00

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

Engineer/Contract#: D006132 Date Prepared: 3/1/2011 15:03
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(d) 5

Consumable Supplies

Item	Estimated Quantity	Units	Unit Cost (\$)	Total Budgeted Cost (Col 2 x3) (\$)
Gloves	6	box	\$15.00	\$90.00
Tubing	250	feet	\$3.50	\$875.00
Misc	3	each	\$100.00	\$300.00
Task 2 Total:				\$1,265.00
TOTAL				<u>\$1,265.00</u>

Engineer/Contract#: D006132
 Project Name: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18

Date Prepared: 3/1/2011 15:03

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
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Aztech (WBE)	Direct Push Drilling	\$31,393.93	\$1,494.95
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	Max. Reimbursement Rate				
Item		(\$)*	Units	Est. No. of Units	Total Est. Cost
Mobilization/Demobilization	\$	2,300.00	each	2	\$ 4,600.00
Utility Clearance	\$	300.00	each	12	\$ 3,600.00
At seven well locations, provision to drill with 2-1/2 I.D. HSA to est. 35 feet, grab water sample at completion.	\$	727.55	each	7	\$ 5,092.85
At five well locations, provision to drill with 4-1/4 I.D. HSA to est. 35 feet.	\$	1,140.00	each	5	\$ 5,700.00
Installation of 2-inch I.D. 25 foot PVC 0.010 slot well screen with attached riser, bentonite seal and sand, and capped with locking j-plug.	\$	700.00	each	5	\$ 3,500.00
At each well location, installation of protective steel casing with concrete pad (flush)	\$	135.00	each	5	\$ 675.00
Install and complete 5 permanent soil vapor monitoring points to 10' BGS with manhead	\$	321.75	each	5	\$ 1,608.75
Provision for well development	\$	1,650.00	LS	1	\$ 1,650.00
Decontamination	\$	675.00	LS	1	\$ 675.00
Containerize drill materials in 55 gallon drum	\$	48.50	each	20	\$ 970.00
Drum Management	\$	220.00	LS	1	\$ 220.00
Sales Tax (8%)	\$	1,607.38	LS	1	\$ 1,607.38

Task 2 Total	\$29,898.98
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Subcontract Management Fee:	\$1,494.95
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TOTAL:	\$31,393.93
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Engineer/Contract#:
Project Name:
Work Assignment No.:

D006132
Warrensburg Laundry & Dry Cleaning
D006132-18

Date Prepared: 3/1/2011 15:03

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Upstate	Soil and GW Analytical	\$22,252.00	\$1,112.60

Item	Max. Reimbursement Rate	Units	Est. No. of Units	Total Est. Cost
	(\$)*			
TO-15 (volatiles)	\$225.00	each	7	\$1,575.00
Soil Samples - VOCs plus MTBE by EPA Method 8260	\$85.50	each	18	\$1,539.00
Soil Samples - SVOCs by EPA Method 8270C	\$180.00	each	18	\$3,240.00
Soil Samples - Pesticides/PCBs by EPA Method 8081A/8082	\$80.00	each	18	\$1,440.00
Soil Samples - Metals (TAL metals including mercury and cyanide)	\$153.50	each	18	\$2,763.00
Soil Sample - Full TCLP	\$546.00	each	1	\$546.00
GW Samples - VOCs plus MTBE by EPA Method 8260	\$85.50	each	24	\$2,052.00
GW Samples - SVOCs by EPA Method 8270C	\$180.00	each	22	\$3,960.00
GW Samples - Pesticides/PCBs by EPA Method 8081A/8082	\$80.00	each	22	\$1,760.00
GW Samples - Metals (TAL metals including mercury and cyanide)	\$153.50	each	22	\$3,377.00

Task 2 Total: \$22,252.00

Subcontract Management Fee: \$1,112.60

TOTAL: \$23,364.60

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

D006132
 Warrensburg Laundry & Dry Cleaning
 D006132-18

Date Prepared: 3/1/2011 15:03

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>
Validata	Validation Services	\$3,392.00	\$0.00

<i>Item</i>	<i>Max. Reimbursement Rate (\$)*</i>	<i>Units</i>	<i>Est. No. of Units</i>	<i>Total Est. Cost</i>
TO-15 (volatiles) - DUSR	\$17.00	each	7	\$119.00
DUSR for Soil Samples - VOCs plus MTBE by EPA Method 8260	\$16.50	each	18	\$297.00
DUSR for Soil Samples - SVOCs by EPA Method 8270C	\$18.00	each	18	\$324.00
DUSR for Soil Samples - Pesticides/PCBs by EPA Method 8081A/8082	\$28.50	each	18	\$513.00
DUSR for Soil Samples - Metals	\$18.00	each	18	\$324.00
DUSR for GW Samples - VOCs plus MTBE by EPA Method 8260	\$16.50	each	24	\$396.00
DUSR for GW Samples - SVOCs by EPA Method 8270C	\$18.00	each	22	\$396.00
DUSR for GW Samples - Pesticides/PCBs by EPA Method 8081A/8082	\$28.50	each	22	\$627.00
DUSR for GW Samples - Metals	\$18.00	each	22	\$396.00
Task 2 Total				\$3,392.00
Subcontract Management Fee:				
TOTAL:				\$3,392.00

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

D006132
Warrensburg Laundry & Dry Cleaning
D006132-18

Date Prepared: 3/1/2011 15:03

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
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Santo	Site Survey	\$1,900.00	\$0.00
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	Max. Reimbursement Rate	Units	Est. No. of Units	Total Est. Cost
Item	(\$)*			
Site Survey	\$1,900.00	each	1	\$1,900.00

Task 3 Total: \$1,900.00

Subcontract Management Fee: \$0.00

TOTAL: \$1,900.00

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

D006132
Warrensburg Laundry & Dry Cleaning
D006132-18

Date Prepared: 3/1/2011 15:03

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>
Clean Harbors	Waste Disposal	\$3,564.00	\$0.00

Max. Reimbursement Rate

Item	(\$)*	Units	Est. No. of Units	Total Est. Cost
Soil Drum Disposal	\$150.00	each	12	\$1,800.00
Water Drum Disposal	\$125.00	each	6	\$750.00
Transport Fee	\$375.00	each	2	\$750.00
Tax		8%	1	\$264.00

Task 2 Total: **\$3,564.00**

Subcontract Management Fee: **\$0.00**

TOTAL: **\$3,564.00**

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

D006132
Warrensburg Laundry & Dry Cleaning
D006132-18

Date Prepared: 3/1/2011 15:03

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Environmental Data Resources	Database Review	\$550.00	\$0.00

Item	Max. Reimbursement Rate (\$)*	Units	Est. No. of Units	Total Est. Cost
EDR Report	\$550.00	each	1	\$550.00

Task 1 Total: \$550.00

Subcontract Total: \$550.00

Subcontract Management Fee: \$0.00

TOTAL: \$550.00

Schedule 2.11(g)

Monthly Cost Control Report Summary of Fiscal Information

PM/Engineer: David Stoll
 Contract#: D006132
 Project Name: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18
 Task No./Name: Task 1-4 Summary
 Complete: 0%

Page: 1 of 5
 Date Prepared: 3/1/2011 15:03
 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	\$11,080.05	\$0	-\$11,080
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,742.06	\$0	-\$12,742
3 Subtotal Direct Salary Costs and Indirect Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23,822.11	\$0	-\$23,822
4 Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,461.90	\$0	-\$3,462
5 Other Non-Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,149.05	\$0	-\$4,149
6 Subtotal Direct Non-Salary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,610.95	\$0	-\$7,611
7 Subcontractors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$64,164.53	\$0	-\$64,165
8 Total WA Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$95,597.59	\$0	-\$95,598
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,763.36	\$0	-\$2,763
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$98,360.95	\$0	-\$98,361

Project Manager (Engineer) _____

Date _____

Schedule 2.11(g)

Monthly Cost Control Report Summary of Fiscal Information

PM/Engineer: David Stoll
 Contract#: D006132
 Project Name: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18
 Task No./Name: 01/Preliminary Activities
 Complete 0%

Page 2 of
 Date Prepared: 3/1/2011 15:03
 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	\$4,095.96	\$0.00	-\$4,095.96
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,710.35	\$0.00	-\$4,710.35
3 Subtotal Direct Salary Costs and Indirect Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,806.31	\$0.00	-\$8,806.31
4 Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$61.18	\$0.00	-\$61.18
5 Other Non-Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.50	\$0.00	-\$40.50
6 Subtotal Direct Non-Salary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$101.68	\$0.00	-\$101.68
7 Subcontractors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$550.00	\$0.00	-\$550.00
8 Total WA Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9,457.99	\$0.00	-\$9,457.99
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,021.53	\$0.00	-\$1,021.53
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,479.53	\$0.00	-\$10,479.53

Project Manager (Engineer) _____

Date _____

Schedule 2.11(g)

Monthly Cost Control Report Summary of Fiscal Information

PM/Engineer: David Stoll
 Contract#: D006132
 Project Name: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18
 Task No./Name: Task 2 - Investigative Tasks
 Complete: 0%

Page: 3 of 5
 Date Prepared: 3/1/2011 15:03
 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	\$4,030.56	\$0.00	-\$4,030.56
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,635.14	\$0.00	-\$4,635.14
Subtotal Direct Salary Costs and Indirect Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,665.70	\$0.00	-\$8,665.70
4 Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,182.54	\$0.00	-\$3,182.54
5 Other Non-Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,705.00	\$0.00	-\$3,705.00
6 Subtotal Direct Non-Sala	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,887.54	\$0.00	-\$6,887.54
7 Subcontractors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$61,714.53	\$0.00	-\$61,714.53
8 Total WA Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$77,267.77	\$0.00	-\$77,267.77
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,005.22	\$0.00	-\$1,005.22
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$78,273.00	\$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: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18
 Task No./Name Task 3 - Site Survey
 Complete 0%

Page 4 of 5
 Date Prepared: 3/1/2011 15:03
 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	\$385.95	\$0.00	-\$385.95
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$443.84	\$0.00	-\$443.84
Subtotal Direct Salary Costs and Indirect								
3 Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$829.79	\$0.00	-\$829.79
4 Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$218.18	\$0.00	-\$218.18
5 Other Non-Salary Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.00	\$0.00	-\$15.00
6 Subtotal Direct Non-Sala	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$233.18	\$0.00	-\$233.18
7 Subcontractors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,900.00	\$0.00	-\$1,900.00
8 Total WA Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,962.97	\$0.00	-\$2,962.97
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$96.26	\$0.00	-\$96.26
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,059.23	\$0.00	-\$3,059.23

Project Manager (Engineer) _____

Date _____

Schedule 2.11(g)

**Monthly Cost Control Report
Summary of Fiscal Information**

PM/Engineer: David Stoll
 Contract#: D006132
 Project Name: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18
 Task No./Name: Task 4 - Site Characterization Report
 Complete 0%

Page 5 of 5
 Date Prepared: 3/1/2011 15:03
 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	\$2,567.58	\$0.00	-\$2,567.58
2 Indirect Costs 115%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,952.72	\$0.00	-\$2,952.72
3 Subtotal Direct Salary Costs and Indirect Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,520.30	\$0.00	-\$5,520.30
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-Sala	\$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	\$5,908.85	\$0.00	-\$5,908.85
9 Fixed Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$640.35	\$0.00	-\$640.35
10 Total WA Price	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,549.20	\$0.00	-\$6,549.20

Project Manager (Engineer) _____

Date _____

Schedule 2.11(g) - Supplemental

Cost Control Report for Subcontracts

PM/Engineer: David Stoll
D006132
 Project Name: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18
 Complete 0%

Page 1 of 2
 Date Prepared: 3/1/2011 15:03
 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 Applications	Total Subcontract Costs to Date (A + B)	Subcontract Approved Budget	Management Fee Budget	Management Fee Paid	Total Costs to Date (C plus F)
1 Aztech (WBE)				\$29,898.98	\$1,490.10		\$0.00
2 Upstate				\$22,252.00	\$1,112.60		\$0.00
3 Validata				\$3,392.00			\$0.00
4 Santo				\$1,900.00			\$0.00
5 Clean Harbors				\$3,564.00			\$0.00
6 Environmental Data Resources				\$550.00			\$0.00
7							\$0.00
8							\$0.00
9							\$0.00
Total	\$0.00	\$0.00	\$0.00	\$61,557	\$2,603	\$0.00	\$0.00

Project Manager _____

Date _____

1 Costs listed in Columns A, B, C & D do not include any management fee costs.

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: Warrensburg Laundry & Dry Cleaning
 Work Assignment No.: D006132-18

Date Prepared: 3/1/2011 15:03
 Billing Period: _____
 Invoice No.: _____

NSPE Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		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		2					4				80	40	20						146
Task 2		3										150							153
Task 3												15							15
Task 4		3					4				10	60	20						97
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	8	0	0	0	0	0	8	0	0	0	90	0	265	0	40		0	411

* 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 Warrenburg Laundry

Site/Spill Number 5-57-022 Contract/WA # D006132-18

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
AZTECH DRILLING	578-885 5383	2/14/11	\$ 30168

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.

Subcontractor Name A2 TECH DRILLING

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Warrrensburg Laundry & Dry Cleaning

Site/Spill Number 5-57-022 Contract/WA # D006132-18

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
UPSTATE LABS	315-437 0255	2/14/11	\$ 22,252

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. _____ D006132-18
Contractor Name Contract/WA No.

2 of 2

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Warrersburg Laundry & Dry Cleaning

Site/Spill Number 5-57-022

Contract/WA # D006132-18

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	2/14/11	\$3392

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. _____ D006132-18
Contractor Name Contract/WA No.

2 of 2

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Willensburg Laundry & Dry Cleaning

Site/Spill Number 5-57-022 Contract/WA # D006132-18

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
Santo Assoc.	578-383 8001	2/14/11	\$1900

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.

Rand Stoll 2/14/11
Signature of Contractor's Authorized Representative Date

Shaw E and I of New York, P.C. D006132-18
Contractor Name Contract/WA No.

Santo Associates
Subcontractor Name

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Subcontract Solicitation Record and Certification for Standby Engineering Contracts

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Site/Spill Name Waldensburg Laundry & Dry Cleaner

Site/Spill Number 5-57-022

Contract/WA # D006132-18

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
CLEAN HARBORS	578-434 0149	2/14/11	\$4027

ENGINEER'S estimate
used previous bids
for similar jobs

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 2/14/11
Signature of Contractor's Authorized Representative Date

Shaw E and I of New York, P.C. D006132-18
Contractor Name Contract/WA No.

CLEAN HARBORS
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 WARRENBOUGH Laundry & Dry Cleaning

Site/Spill Number 5-57022 Contract/WA # D006132-18

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
EDR	800.265 1613	2/14/11	\$550

ONLY VENDOR TO
Provide file
REVIEW SERVICES

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.

 2/14/11
Signature of Contractor's Authorized Representative Date

Shaw E and I of New York, P.C. _____ D006132- 18
Contractor Name Contract/WA No.

EDR - DATA REVIEW / HCE REVIEW
Subcontractor Name

Rev. 02/11/10