S12081

PROJECT NAME: Sharon Cleaners (OU#1), Site #546052	WA #: D004437-22

TO: Dale A. Desnoyers

The attached Work Plan is submitted for your approval. It has been checked and approved by:

	Name	*Initials*	*Date*
Project Manager (scope, level-of-effort, subcontracting).	Brian Jankauskas	BFJ	2/21/08
Contract Manager/Cost Reviewer (conformance with contract, protocols, and cost reasonableness).	Andrea Indelicato	AI	3/6/08
M/WBE Officer	Tom Christian	mg	3/10/08
Chief, Contracts and Payments Section	Mike Cruden	MJ	3/11/08
T. Wolosen, Fiscal Management Section	Tim Wolosen	TMW	3/12/08
Bureau Director	Donna Weigel	DJ for Donna	3/13/08
Assistant Division Director	Sal Ervolina	SEV	3/13/08

PLEASE CALL THERESA SPAIN AT 2-9764 AFTER SIGN-OFF

BFS 2/21/08

AI 3/6/08

☑ APPROVED

FINAL WORK PLAN
REMEDIAL INVESTIGATION
SHARON CLEANERS OU#1
(Site No.:5-46-052)

Prepared for

New York State Department of Environmental Conservation
Investigation and Design Engineering Services
Standby Contract No. D004437
Work Assignment No. D004437-22

Prepared by

Camp Dresser & McKee
One General Motors Drive
Syracuse, New York

~~February~~ March 2008

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March 4, 2008

Ms. Andrea Indelicato
Contract Manager
NYSDEC
Division of Environmental Remediation
Bureau of Program Management
625 Broadway
Albany, New York 12233-7013

Re: Work Assignment #D004437-22
Final Work Plan - Sharon Cleaners Site
Saratoga Springs, New York
Site ID No. 5-46-052

Dear Ms. Indelicato:

Camp Dresser & McKee (CDM) is pleased to present this final letter work plan for the above referenced site. The tasks and information outlined below were included in NYSDEC's scope of work presented within the work assignment authorization dated December 11, 2007. The *Standby Contract Work Assignment, Type of Contract: Cost Plus Fixed Fee, Project: Remedial Investigation & Remedy Selection at Sharon Cleaners (Site No.: 5-46-052)* was referenced to complete this work plan.

Site Description

The Sharon Cleaners site (herein identified as the site) is located at 48 Lincoln Avenue in Saratoga Springs, Saratoga County, New York (see Figure 1 for location map). The main building on the site is a single story wood frame structure situated above a slab on grade. The site is currently occupied by AJ's Wash & Dry Cleaners facility. It covers approximately 0.2 acres at the southeastern corner of the intersection of Lincoln Avenue and Whitney Place in a commercial/residential area. An alley known as Gurtler Lane is located along the western portion of the site and utilized by site operations to access the parking lot.

Operational/Disposal History

The site has been used as a dry cleaning business for approximately 50 years. In conducting a site audit for use in selling the property, the site owner discovered chlorinated compounds, perchloroethylene (PCE) and trichloroethene (TCE), in the soil and groundwater in February 2000. PCE is a known solvent associated with dry

cleaning business; therefore, it is believed that an unknown quantity of PCE was released from the site to the environment during past operations. The presence of TCE at the site is anticipated to be from the natural degradation of PCE.

Remedial History

Subsequent to the site audit, the owner entered into a Voluntary Cleanup Agreement (VCA) in 2000 to investigate and remediate the site. Five shallow monitoring wells were installed and sampled under the VCA. Based on the preliminary investigations a soil vapor extraction system (SVE) was installed without DEC approval. Two extraction points were located between the building and Lincoln Avenue. The investigation did not locate the source and did not adequately delineate the extent of contamination. The volunteer was financially unable to complete the investigation and the VCA was terminated.

In December 2001, New York State Department of Environmental Conservation (NYSDEC) sampled two monitoring wells, identified as MW-4 and MW-5, which indicated the concentrations of PCE to be non-detect and 100 micrograms per liter (ug/L), respectively. The remaining three monitoring wells, identified as MW-1 through MW-3, were not located. The field operatives indicated that during the initial site visit the SVE system seemed to be operating. However, during the sampling event, the field operatives indicated that the SVE system seemed to be shutdown.

Site characterization activities were conducted by CDM in September 2006 to evaluate current conditions. The full results from the characterization are in *Final Investigation Report: Site Characterization at Sharon Cleaners (Site No.: 5-46-052)*. This remedial investigation will try to fill in some of the unknowns stemming from the characterization. As part of the characterization, a public repository search was conducted for the Sharon Cleaners site; however, no pertinent information was found. PCE was the primarily constituent detected in the media at the site. PCE was detected in five of the eleven groundwater monitoring wells ranging from 5.1 ug/L (MW-8) to 10.0 ug/L (MW-5). The horizontal extent of the PCE plume appears to start at the AJ's Dry Cleaning facility and extend downgradient (northeast), consistent with the previous investigation results.

Soil vapor results detected PCE in all six temporary soil vapor samples, ranging from 1,476 micrograms per cubic meter (ug/m^3) at SV-3S to 69,320 ug/m^3 at SV-2D. The single sub-slab soil vapor sample detected PCE at 32,061 ug/m^3. TCE concentrations in the six temporary soil vapor samples ranged from non-detect in SV-3S to 6.1 ug/m^3 in SV-3D. TCE was also detected in the sub-slab vapor sample at 230 ug/ m^3. The highest shallow and deep PCE concentrations for soil vapor were noted at SV-2S and SV-2D (located south of the building). These elevated concentrations are potentially due to the

source of contamination from dry cleaning equipment or mishandling of materials. PCE concentrations in the deep soil vapor samples are higher than in the shallow soil vapor samples, it is likely that vapors are migrating upward from the PCE-contaminated groundwater plume. PCE concentrations in soil vapor associated with SV-3S/D (located north of the building) are less than those associated for SV2-S/D and SV-4D. It is possible that historical operation of the Soil Vapor Extraction system, consisting of two wells connected to an active vacuum blower, removed some PCE-contaminate soil vapors in the vicinity of SV-3S/D.

PCE was detected above the TAGM 4046 Cleanup Objective (1.4 milligrams per kilogram [mg/kg]) in only one soil sample (SV-1A; 1.6 mg/kg), which was located beneath the on-site structure. Soil samples were also analyzed for semi-volatile compounds and metals. The results were compared to TAGM 4046, which indicated that chrysene and various metals (i.e. arsenic, beryllium, chromium, copper, iron, mercury, nickel, selenium and zinc) were above cleanup objectives. When the results are compared to Part 375 Unrestricted Use Soil Cleanup Objectives, constituents with significant concentrations above cleanup objective were chromium (285 mg/kg at SV-3D 10-14 ft bgs, 175 mg/kg at SV-1B), lead (261 mg/kg at SV-2Ddup 0-3 in bgs, 219 mg/kg at SV-1A), mercury (0.599 mg/kg at SV-1A beneath building), and zinc (497 mg/kg at SV-2Ddup 0-3 bgs). Hex chromium analysis will be performed on samples as part of the investigation to better define the chromium concentrations detected in the characterization.

Site Geology and Hydrogeology

Previous reports indicate that subsurface materials at the site consist of approximately 20 feet of brown, fine sandy loam overlying a clay layer that extended to depth of approximately 29 feet bgs at MW-4. Field observations encountered brown medium sand from ground surface to a depth of approximately 27 feet during the site characterization. The clay layer was not observed during the site characterization activities. Based on documented groundwater measurements, the depth to groundwater was approximately 16 feet bgs and the groundwater flow direction is towards the northeast.

Scope of Work

TASK 1 – Work Plan Development

Task 1 involves the development of the work plan based on the work assignment supplied by the NYSDEC. Included with this work plan letter is a site specific Heath and Safety Plan (HASP), Quality Assurance Project Plan (QAPP) and Community Air Monitoring Plan (CAMP). An Analytical Methods/Quality Assurance Summary Table

and site plan figure are included at the end of this letter. Permits necessary for completion of the work detailed in the subsequent sections will be acquired by CDM.

CDM's Generic QAPP and Corporate Health and Safety Plan have been provided to NYSDEC under separate cover. The QAPP provides detailed means and methods for remedial investigation and remedy selection activities. Soil vapor point installation and sample collection will be in accordance with the "***Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006***". CDM's site specific health and safety plan can be found in Attachment A and the CAMP can be found in Attachment D.

One CD with a PDF file of the work plan, as well as one hard copy, will be provided to the Contract Administrator. All others will receive a PDF file by email.

TASK 2 – Environmental Sampling

The activities to be performed under this task involve the collection of supplemental environmental samples to evaluate conditions in the project area. Figure 1 illustrates the proposed sample locations. In order to avoid utilities located in the project area, air knifing or an approved equivalent method will be performed at each boring/soil vapor point down to six feet below ground surface (bgs). All sample locations will be confirmed in the field by the NYSDEC PM and the CDM field representative. All samples will be analyzed by an ELAP certified laboratory. A NYSDEC ASP Category B data deliverable will be provided for these analyses. The following sections provide details related to the environmental sampling subtasks.

Soil Sampling

Soil sampling activities will be conducted to identify if a source of VOCs is present in the southern portion of the site, as well as to evaluate metal concentrations in the surface soils at the southern portion of the site and in the deeper soils within the northern portion of the site.

Ten geoprobe boring installations will be completed in the southern portion of the site to determine if a source of VOCs is present in the vadose zone. Three geoprobe boring installations will be completed in the northern portion of the site to determine if elevated metals are present. The proposed locations of the borings are shown in Figure 1. Soil samples will be collected using 2-inch diameter, 4-foot macro core samplers with 1 ½ inch acetate liners. The borings will extend 16 feet bgs (the assumed groundwater elevation) and will be visually classified and screened with a photo-ionization detector (PID). One soil sample will be collected from each boring in the southern portion of the site and will be submitted for VOC analysis by EPA Method 8260. Two samples will be collected from each boring in the northern portion of the site and submitted for metals

(including Hex-Chromium) and VOC analyses. Analytical details are presented in Table 1. The soil intervals selected to be sampled will be biased towards areas of visual contamination. It is assumed that all any residual sample collected will be placed in a drum for proper disposal and the remaining space will be filled with sand/clean fill. Asphalt and concrete surfaces will be repaired with cold patch and concrete, respectively.

Five surface soil samples will be collected from the southern portion of the site to assess surficial soils. Proposed sample locations are shown in Figure 1. Samples will be collected from 0 to 12 inches bgs and will be submitted for metals and VOC analyses. Soil for VOC analysis shall be collected from the lower 6 inches. Analytical details are presented in Table 1.

Five soil samples will be collected at the building site to assess soil conditions beneath the concrete slab. The location of these samples will be field directed in an area towards the southern portion of the building where the dry cleaning equipment was located and elevated soil vapor concentrations were detected in the previously completed site characterization. Soil samples will be collected within 24 inches of the base of the concrete slab and will be submitted for metals (including Hex-Chromium) and VOC analyses.

Background soil samples for metals will be collected approximately 2-3 feet bgs in accordance with Section 3.6 of DER-10. The proposed sample locations are shown in Figure 1. The samples collected will be submitted for metals (including Hex-Chromium) analysis.

Groundwater Sampling

Nine groundwater samples will be collected from seven of the existing monitoring wells, including MW-4, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-10, and the two former SVE points, SVE-1 and SVE-2. See Figure 1 for locations of the existing wells and SVE points. Two temporary piezometers will be installed and sampled at two of the boring locations where soil samples were collected in the southern portion of the site. The piezometers will be constructed using a 1 ½ inch PVC screen and riser pipe. Each well will be developed to near clear conditions, if possible, prior to sampling. Once the well has recovered, a sample will be collected. The samples will be submitted for VOC and metals (including Hex-Chromium) analyses. If the turbidity from the temporary wells is greater than 50 NTU's, a filtered metals and hex-chromium sample shall be collected. The full groundwater sampling procedures are provided in CDM's QAPP; low flow sampling procedures will be utilized. An analytical summary is presented in Table 1. The depth to water in the existing monitoring wells and temporary piezometer wells will be gauged to provide information on groundwater flow in the vicinity of the site.

Groundwater measurements will be recorded to the nearest 0.01 of a foot. Based on field measurements and an established survey datum, a groundwater flow contour map will be provided for the sampling event. It is assumed that all tubing, PVC and sampling PPE will be disposed of as normal trash by CDM.

Soil Vapor Sampling

Soil vapor samples will be collected in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York dated October 2006 (SVI Guidance) in order to define the extent of soil vapor contamination. Five permanent soil vapor points will be installed to facilitate soil vapor sample collection and evaluation of soil vapor extraction systems. Figure 1 shows the proposed locations of the soil vapor points. The intakes will be located ten feet bgs. Soil vapor samples will be collected utilizing individually certified (to the reporting limits of EPA Method TO-15), 6L Summa canisters equipped with a one hour regulator and be submitted for VOC analysis. During soil vapor collection, an ambient air sample will be taken. Soil vapor samples will be constructed in accordance with NYSDOH SVI guidance. This is accomplished by advancing a 2-inch diameter hollow rod into the soil for macro-core (1 ½" inch diameter) soil sampling, to the desired depth (ten feet bgs). A six inch stainless steel screen tip attached to a dedicated section of ¼ inch ID, 3/8" OD Teflon tubing identified as laboratory or food grade (100% Teflon, not Teflon lined) will be placed within the borehole and then backfilled with a total of 1 to 2 feet of glass beads. The top of the screened interval shall be covered with a minimum of six inches of glass beads. Granular bentonite shall then be placed above the glass beads, up to the surface, in 6-12 inch lifts. Each lift shall be watered to allow proper hydration before moving onto the next lift in order to provide a good seal for soil vapor sampling. A minimum of twenty-four hours between soil vapor point installation and purging/soil vapor sample collection is required to allow full bentonite hydration. A helium tracer test will be completed before purging. An 8 inch painted flushmount type protective cover shall be installed on the permanent soil vapor point.

Survey Sampling Locations

The existing site map will be updated/extended based on the planned sampling program. The sample locations, groundwater, soil and soil vapor, will be documented using a GPS unit to show the location of each point. Any horizontal positions recorded will be tied in to the North American Datum 1983 and UTM Zone 18N coordinate system. A CDM representative will utilize a GPS unit to complete this task.

Decontamination Procedures

All non-dedicated equipment and tools used to collect samples for laboratory analysis will be decontaminated prior to and between each sample interval using an alconox rise

and portable water rinse prior to reuse. It is assumed at this time that decontamination fluids will be discharged to the ground surface.

TASK 3 – Structure Sampling

This task involves the collection of air samples at eleven structures surrounding the Sharon Cleaners site to evaluate the soil vapor intrusion pathway. See Figure 1 for structures to be sampled. All structure sample locations will be confirmed in the field by the NYSDEC PM and CDM field personnel.

Structure Survey

A pre-sampling inspection of general site conditions will be completed for each property location. This includes the completion of the NYSDOH Indoor Air Quality Questionnaire and Building Inventory, referenced in the SVI Guidance, documentation of weather conditions outside and the temperature inside, ambient air screening using a PID and selection of air sampling locations.

Sub-Slab Soil Vapor & Indoor Air Sampling

Two air samples will be collected at each structure being evaluated in accordance with the SVI Guidance. This includes one sub-slab soil vapor sample and one sub-level air sample (if present) or one first floor air sample (if there is no sub-level). In structures where there is more than one first floor tenant, only one tenant's space has to be sampled. Air samples will be collected utilizing individually certified (to the reporting limits of EPA Method TO-15), 6L Summa canisters, equipped with a 24-hour regulator and submitted for VOC analysis. Samples will be taken from the breathing zone (approximately four feet above the floor/ground surface), if possible.

Permanent sub-slab soil vapor sample points will be constructed utilizing a stainless steel sample port with a Swagelok screw on cap that is flush with the floor. The approximate thickness of the concrete slab will be recorded. Points will be constructed with hydraulic cement having a setup time of approximately ten minutes. Prior to sampling sub-slab points, a maximum of three volumes (minimum of one volume) shall be purged at a rate less than 200 ml/min. The purged air will be checked for VOC's using a PID and the concentration recorded. Purged air will be released outside the building. A tracer test using helium will be completed at each point for the initial seal; pressure will not need to be maintained. Indoor air samples will be collected from the sub-level and from the first floor. One ambient air sample (taken up wind of the site) will be collected during structure sampling to evaluate site conditions.

Decontamination Procedures

All non-dedicated equipment and tools used to collect samples for laboratory analysis will be decontaminated prior to and between each sample interval using an alconox

rinse and portable water rinse prior to use. It is assumed at this time that decontamination fluids will be discharged to the ground surface.

TASK 4 – Supplemental Structure Sampling

Based on preliminary air sampling results from Task 3, up to eight supplemental structure evaluations may be necessary to determine the extent of soil vapor impacts on structures located near the Sharon Cleaners site. The activities performed under this task will be conducted as described under Task 3. These structures will be agreed upon by the NYSDEC PM and a representative from CDM.

TASK 5 – Mitigation System Evaluation

Activities performed under this task will involve preliminary evaluations of remedial alternatives to address site contamination. Elevated soil vapor concentrations were detected during the site characterization phase and it is anticipated that remedial actions are necessary to address potential impacts on structures surrounding the Sharon Cleaners site. CDM will complete option 1 for the budget prepared in the 2.11 tables. If option 2 is recommended by the NYSDEC and CDM, a change in scope and budget will be agreed upon.

Mitigation Evaluation

Based on the preliminary analytical results, an initial evaluation to determine the appropriate alternative (i.e. a sub-slab depressurization system or a soil vapor extraction system) to limit soil vapors from impacting the indoor air quality. Based on the extent of soil vapors from the site, one of the following activities will be completed as discussed below:

Option 1: If the analytical results indicate that soil vapors are determined to be limited to the site, an active sub-slab depressurization system will be designed in accordance with Radon Mitigation Standards (EPA 402-R-93-078, revised April 1994) and SVI Guidance. Emissions from they system shall be evaluated in accordance with Division of Air Resources Air Guide 1 model. A bidding package for the system will be prepared.

Option 2 (not included with in this scope): If the analytical results indicate that the soil vapors have impacted the indoor air quality at the site and the adjacent structures, a short duration soil vapor extraction (SVE) system pilot scale test will be conducted to evaluate the radius of influence and provide design recommendations pertaining to the number and spacing of extraction wells, the depth of screen(s), the size of blower(s), the operating vacuum, and anticipated contaminate removal rates.

The pilot test would consist of a 4 inch diameter extraction well equipped with a minimum 1.5 horsepower blower and approximately three 4 inch diameter monitoring

points shall be installed to evaluate the radius of influence during the pilot scale test. The blower would be operated at three different rates, identified as high (maximum) medium (80%) and low (50%), until steady state is obtained at the monitoring points. Vacuum pressure readings would be obtained from the monitoring points, soil vapor points, and sub-slab points every 15 minutes until steady state is reached, which shall be defined as consecutive readings of =/- 20%. During the pilot scale test, the following measurements would be documented: vacuum at extraction well and at the blower, air temperature at the blower inlet & outlet, air flow rate, VOC measurements during each measurement interval. VOC samples would be collected from the SVE system exhaust for TO-15 analysis after each pilot test to properly anticipate the volatile organic contaminate levels that may be observed during full scale operation of the system.

Decontamination Procedures

All non-dedicated equipment and tools used to collect samples for chemical analysis will be decontaminated prior to and between each sample interval using an alconox rinse and portable water rinse prior to use. It is assumed at this time that decontamination fluids will be discharged to the ground surface.

TASK 6 – Investigative Derived Waste

Soil cuttings from all sampling areas within the Sharon Cleaners project will be contained in 55 gallon drums and analyzed to determine the appropriate hazard classification. It is assumed that all decontamination fluids may be placed on site. Any purge water collected during sampling that has visible contamination or elevated PID readings will also be contained in 55 gallon drums. The necessary paperwork for NYSDEC representative approval, as well as the paperwork and coordination necessary for the transportation and disposal of the investigative derived waste to a NYSDEC approved facility, will be completed by CDM.

TASK 7 – Field Documentation and Reporting

Field Documentation Procedures

Field notebooks/logs will be used during all on-site work. A dedicated field notebook/log will be maintained by the field technician overseeing the site activities. In addition to the notebook, any and all original chain of custodies, sampling forms, and purge forms used during the field activities, shall be submitted to the NYSDEC as part of the final report. Field and sampling procedures, including installation of soil vapor points, structure samples, etc., will be photo-documented.

All samples collected will be validated in accordance with NYSDEC Data Usability Summary Report (DUSR) guidance by a party that is independent of the laboratory that performed the analyses and CDM. A usability analysis will be conducted by a qualified

data validator and a DUSR will be submitted as part of the environmental sampling report to the NYSDEC.

Reporting

A focused remedial investigation and remedy selection report will be prepared in accordance with DER-10 Section 3.14 and Section 4. Three copies of the draft remedial investigation report and remedy selection will be submitted for review and one set of comments by NYSDEC and NYSDOH. Upon receipt of the comments, the draft report will be revised and up to ten final copies will be provided to the NYSDOH/NYSDEC. One copy of the final report; text, table, maps, photos, etc., will be submitted as a single "bookmarked" PDF file. All electronic files should be submitted to NYSDEC on a compact disc. The site investigation data shall be submitted in the most recent version of the NYSDEC Electronic Data Deliverable (EDD) with the final report submission. Currently this is the USEPA Region 2 EDD dated December 2003.

Project Schedule

The following tabulation provides the proposed project schedule and key milestones for this work assignment. As currently planned, field activities will be initiated within three weeks of written receipt of NTP. Field activity durations are estimated in the following table, assuming no delays are experienced due to inclement weather, site access problems, or for other unforeseen reason. Indoor air sampling for Task 3 must be completed by March 31, 2008 due to the end of the heating season.

The scheduled submittal dates for deliverables are based on standard laboratory turnaround times of four weeks, and turnaround for data validation of four weeks.

Project Milestone	Date
Issue Work Assignment (WA)	---
Acknowledge Receipt of WA	7 days after issuance
Work plan development session at the site	14 days after issuance
Submit Task 1 (Draft Work Plan) Deliverable	21 days after development session
Review Draft Work Plan	21 days after submittal
Submit Task 1 (Final Work Plan) Deliverable	21 days after receipt of comments
Notice to Proceed (NTP)	7 days after submission of final work plan
Commence Tasks 2 & 3 Field Work	21 days after receipt of notice to proceed
Tasks 2 & 3 Field Work Completed	10 days
Commence Task 4 Field Work (if directed)	30 days after completion of Task 3
Tasks 2 & 3 Field work Completed	10 days

Project Milestone	Date
Commence Task 5 Mitigation Evaluation	60 days after completion of field work
Task 5 Completed	30 days
Commence Task 6 IDW	60 days after completion of field work
Task 6 completed	30 days
Task 7 Submit Draft Report	90 days after completion of Task 5
Approve Draft Report	30 days after Draft Report Submitted
Task 7 Submit Final Report	30 Days after Approval of Draft Report

Budget Estimates

Below is CDM's proposed budget summary table and cost assumptions. Attachment B presents the detailed costs by task and subtask on the NYSDEC Schedule 2.11 tables.

Estimated Budget and Level of Effort (LOE) Summary
Sharon Cleaners Site
Saratoga Springs, New York
Site No. 5-46-052

Task Items	Description/Cost	Dollars
1	Work Plan Development	$16,258
2	Environmental Sampling	$39,796
3	Structure Sampling	$24,181
4	Supplemental Structure Sampling	$22,392
5	Mitigation System Evaluation	$16,373
6	Investigative Derived Waste	$3,594
7	Field Documentation and Reporting	$44,376
	Total Estimate Budget (Tasks 1 – 7)	**$166,970**

General Assumptions:

- All costs are based upon the scope and schedule provided in this Work Plan. Costs associated with project delays or expedited schedules beyond CDM's control are not assumed.

Task 1 - Work Plan Development:

- CDM will address one set of consolidated comments to the draft work plan and submit a final work plan for NYSDEC approval.
- Project management, subcontractor procurement, scheduling, budgeting, and administrative activities are included in this task.
- CDM has previously prepared and submitted a Generic QAPP and Corporate Health and Safety Plan to the NYSDEC under separate cover. A site specific Health and Safety Plan is attached.
- NYSDEC will prepare the Citizen Participation Plan.

Task 2 - Environmental Sampling:

- NYSDEC will obtain access (by contacting the property owners by letter/phone/in person if necessary) to the Sharon Cleaners site, all private property where samples will be collected and existing groundwater monitoring wells for sampling and/or gauging. CDM will obtain a street cutting permit from the City of Saratoga Springs and obtain authorization to conduct work in the right-of-ways as necessary.
- Permanent soil vapor point installation and sampling will be conducted in accordance with NYSDOH *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York - October 2006.*
- No schedule delays are assumed due to inclement weather, equipment failure or issues with property owners.
- Only one mobilization/demobilization is assumed to be required for the geoprobe/drilling subcontractor.
- Drilling, analytical and validation services will be subcontracted.
- CDM will locate the new points via GPS (horizontally only) and tie them into the existing site survey from Phase 1 which was prepared by a NYS-licensed surveyor.
- CDM will provide oversight during all field activities and collect all field samples by a two person team.

- It is assumed that the site-markout completed by the driller will be able to determine utility lines in the public streets/right of way near the proposed borings/sample locations. Costs are not included for site-specific/private property markout. However, due to uncertainty of utility locations on private property, all soil borings will be hand augered/air knifed to a depth of 6 feet bgs.

- Decontamination fluids will be placed on the ground surface. Other fluids (purge water, etc,) will not be required to be containerized unless there is visible contamination or elevated PID readings; then the water will be placed in 55 gallon drums. Soil cuttings from all sampled areas will be placed in 55 gallon drums. It is assumed that one composite TCLP for soil will be performed

Task 3 – Structure Sampling

- Delays due to the property owners are not assumed.

- Two CDM personnel will complete the building survey/questionnaire, three air samples, ambient air sample and QA/QC samples, provided access agreements are received.

- One mobilization/demobilization is anticipated.

- It is assumed that all properties will be entered as part of the project; if properties are not able to be entered, summa canister return fees will still be charged.

- Purge air will not be monitored for O_2, CO_2 and CH_4, only VOC's using a PID.

- Lab or residential grade helium will be used for the tracer test.

Task 4 – Supplemental Structure Sampling

- Delays due to the property owners are not assumed.

- It is assumed that all eight properties will be entered as part of the project; if properties are not able to be entered, summa canister return fees will still be charged.

- Structures to be sampled will be chosen by the NYSDEC PM and a representative from CDM, after results have been received for Task 3.

- This task may require sampling during the non-heating season.
- Purge air will not be monitored for O_2, CO_2 and CH_4, only VOC's using a PID.
- Lab or residential grade helium will be used for the tracer test.

Task 5 – Mitigation System Evaluation

- It is assumed that option one will be completed under this work assignment and is budgeted in Table 2.11. If option two is deemed necessary, a change in scope and budget will need to be agreed upon by CDM and the NYSDEC.

Task 6 – Investigative Derived Waste

- It is assumed that one composite soil sample will be submitted for TCLP analysis. At this time, it is assumed that no water samples will be submitted for TCLP analysis.
- It is assumed that all decontamination water will be disposed of in the project area.
- It is assumed that all soil cuttings from samples within the project area will be contained in 55 gallon drums that will be stored on the Sharon Cleaners site.
- At this time, a maximum of three drums will be provided for all investigative derived waste.

Task 7 – Field Documentation and Reporting

- CDM will prepare a draft report and submit three copies to NYSDEC for review and comments.
- CDM will address one set of consolidated comments to the draft report.
- CDM will submit 1 compact disc and up to ten bound copies of the final report to the NYSDOH/NYSDEC.

Subcontracting

The Schedule 2.11s for each subcontractor are provided in Attachment B. CDM proposes to engage subcontractors to provide the services outlined in the following subsections.

Geoprobe/Driller – Aztech Technologies (WBE)

CDM is proposing to use Aztech Technologies (Aztech) as the geoprobe/drilling subcontractor. They are located at 5 McCrea Hill Road, Ballston Spa, NY. Aztech is a WBE subcontractor.

Analytical Laboratory (Air) - Air Toxics (WBE)

CDM is proposing to use Air Toxics (WBE) as the analytical laboratory subcontractor for the Sharon Cleaners site environmental air sampling. They are located at 180 Blue Ravine Road, Suite B, Folsom, CA 95630.

Analytical Laboratory (Water) - Chemtech (MBE)

CDM is proposing to use Chemtech (MBE) as the analytical laboratory subcontractor for the Sharon Cleaners site environmental water sampling. They are located at 284 Sheffield Street, Mountainside, New Jersey 07092.

Data Validation - Environmental Data Validation, Inc. (WBE)

CDM is proposing to use Environmental Data Validation Inc. (WBE) as the data validation subcontractor. They are located at 1326 Orangewood Avenue, Pittsburgh, PA 15216.

M/WBE Reporting – Kenneth Shider (MBE)

At this time, CDM is proposing to utilize Ken Shider (M/WBE consultant) to prepare the quarterly M/WBE reports that are required by NYSDEC. Mr. Shider will prepare up to 3 quarterly M/WBE reports under this work assignment.

MBE/WBE Utilization Plan

To meet the requirements of the MBE/WBE program, CDM has prepared the following utilization plan. An M/WBE work plan is provided in Attachment C.

Total Dollar Value of the work assignment	**$166,970**
MBE Percentage Goal	15%
MBE Dollar Value Goal	$25,046
MBE Dollar Value Proposed	$10,823
MBE Percentage Proposed	6.5%
WBE Percentage Goal	5%
WBE Dollar Value Goal	$8,349
WBE Dollar Value Proposed	$29,158
WBE Percentage Proposed	17.5%

Combined M/WBE Percentage Goal	20%
Combined M/WBE Dollar Value Goal	$33,394
Combined M/WBE Dollar Value Proposed	$39,981
Combined MBE/WBE Percentage Proposed	23.9%

Minority and woman-owned firms are expected to participate as follows:

Services to be Provided	Subcontractor Name and Contact Information	M/WBE	Proposed Subcontract Price
Geoprobe/Drilling	Aztech Technologies 5 McCrea Hill Ballston Spa, NY 12020 Matt Darcangelo (518) 885-5383	WBE	$9,180
Laboratory Analysis	Air Toxics 180 Blue Ravine Road, Suite B Folsom, CA 95630 Alicia Sullivan (800) 985-5955	WBE	$16,060
Laboratory Analysis	Chemtech 284 Sheffield Street, Mountainside, New Jersey 07092 Joe Dockery (908) 789-8900	MBE	$10,473
Data Validation	Environmental Data Validation 1326 Orangewood Avenue, Pittsburgh, PA 15216 Maxine Walters (412) 341-5281	WBE	$3,918
M/WBE Quarterly Reports	Kenneth Schider (518) 269-2207	MBE	$350

CDM is available to meet with you to review the work plan and address NYSDEC comments. If you have and questions, please call me at (315) 434-3256.

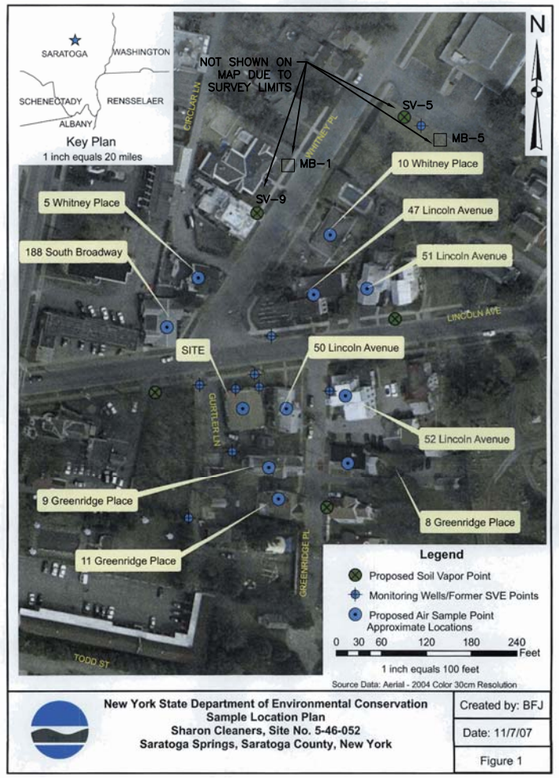
Very truly yours,

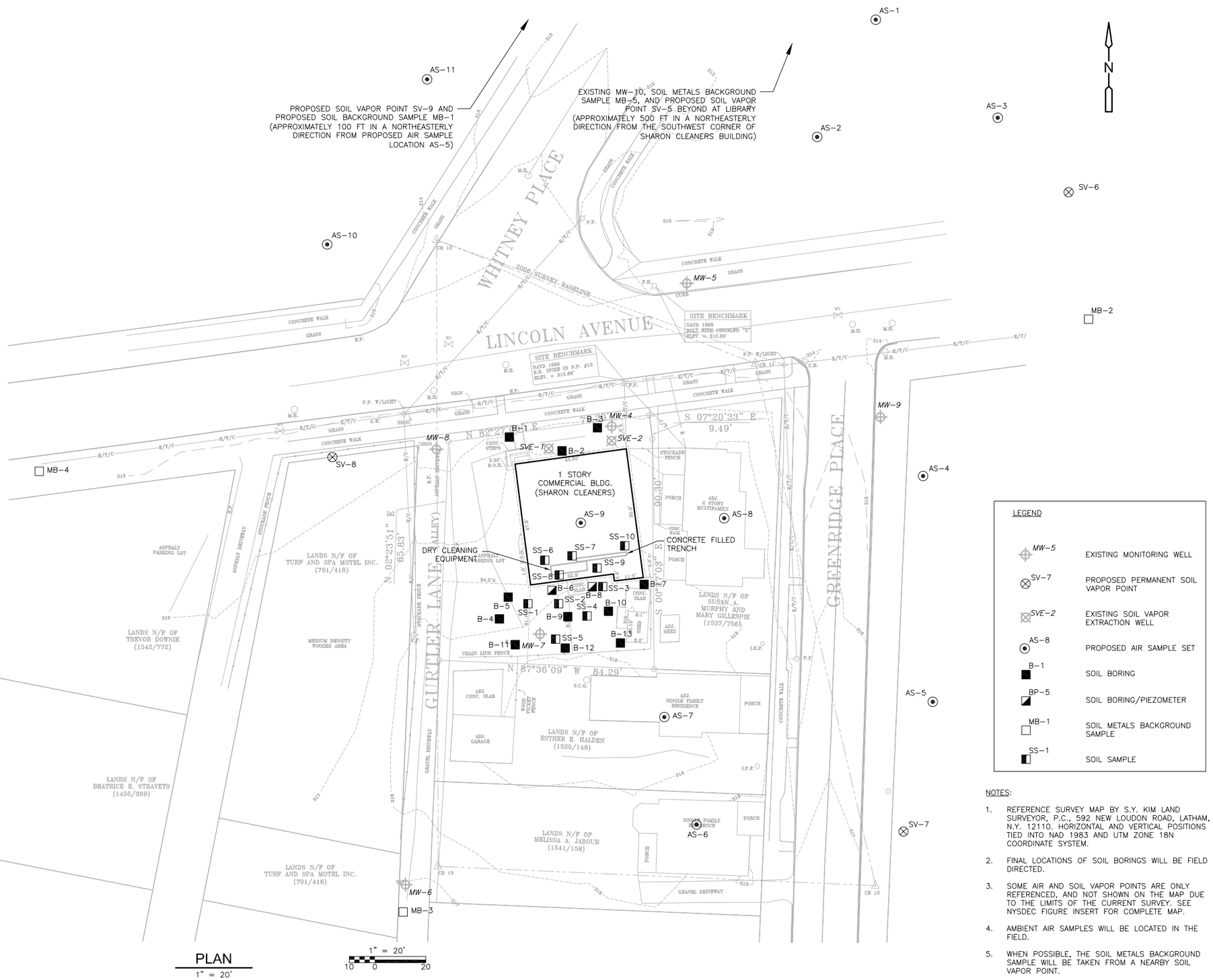
Matthew Millias, P.E.
Project Manager
Camp Dresser & McKee

Cc: Brian Jankauskas – NYSDEC
Dan Durfee – CDM
Mike Memoli – CDM

Attachments:

Figure 1 – Site Map/Proposed Sample Location Map
Table 1 - Analytical Program Summary
Attachment A – Site Specific Health and Safety Plan
Attachment B – Schedule 2.11 Cost Tables
Attachment C - M/WBE-EEO Work Plan
Attachment D – Community Air Monitoring Plan
Attachment E – Subcontractor Certifications





PLAN
1" = 20'

1" = 20'
10 0 20

NOTES:

1. REFERENCE SURVEY MAP BY S.Y. KIM LAND SURVEYOR, P.C., 592 NEW LOUDON ROAD, LATHAM, N.Y. 12110. HORIZONTAL AND VERTICAL POSITIONS TIED INTO NAD 1983 AND UTM ZONE 18N COORDINATE SYSTEM.
2. FINAL LOCATIONS OF SOIL BORINGS WILL BE FIELD DIRECTED.
3. SOME AIR AND SOIL VAPOR POINTS ARE ONLY REFERENCED, AND NOT SHOWN ON THE MAP DUE TO THE LIMITS OF THE CURRENT SURVEY. SEE NYSDEC FIGURE INSERT FOR COMPLETE MAP.
4. AMBIENT AIR SAMPLES WILL BE LOCATED IN THE FIELD.
5. WHEN POSSIBLE, THE SOIL METALS BACKGROUND SAMPLE WILL BE TAKEN FROM A NEARBY SOIL VAPOR POINT.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: L CROCKER
DRAWN BY: M KOSKI
SHEET CHK'D BY: L CROCKER
CROSS CHK'D BY: M MILLIAS
APPROVED BY:
DATE: JANUARY 2008

CDM
Camp Dresser & McKee
Salina Industrial Powerpark
One General Motors Drive
Syracuse, NY 13206
Tel: (315) 434-3200
consulting • engineering • construction • operations

NYSDEC

SHARON CLEANERS SITE NO. 5-46-052

SITE PLAN

PROJECT NO. 0897-62894
FILE NAME: FIG 1.DWG
SHEET NO. 1

Table 1

Analytical Program Summary
Sharon Cleaners - Site No. 5-46-052
Saratoga Springs, New York

Task Number		Sample Matrix	Location	Tentative Sample #	Sample Depth/Level	TLCP Test[1]	VOC Test	PCB Test	Metals Test	Hex Chromium Test	General Chemistry Test
Task 2	1	Soil	Southern Portion of Site	B-4	Biased Towards Contamination 0-16 feet		X				
	2	Soil	Southern Portion of Site	B-5	Biased Towards Contamination 0-16 feet		X				
	3	Soil	Southern Portion of Site	B-6	Biased Towards Contamination 0-16 feet		X				
	4	Soil	Southern Portion of Site	B-7	Biased Towards Contamination 0-16 feet		X FD				
	5	Soil	Southern Portion of Site	B-8	Biased Towards Contamination 0-16 feet		X				
	6	Soil	Southern Portion of Site	B-9	Biased Towards Contamination 0-16 feet		X				
	7	Soil	Southern Portion of Site	B-10	Biased Towards Contamination 0-16 feet		X				
	8	Soil	Southern Portion of Site	B-11	Biased Towards Contamination 0-16 feet		X				
	9	Soil	Southern Portion of Site	B-12	Biased Towards Contamination 0-16 feet		X				
	10	Soil	Southern Portion of Site	B-13	Biased Towards Contamination 0-16 feet		X				
	11	Soil	Southern Portion of Site TBD	SS-1	6"-12" bgs		X		X		
	12	Soil	Southern Portion of Site TBD	SS-2	6"-12" bgs		X		X		
	13	Soil	Southern Portion of Site TBD	SS-3	6"-12" bgs		X MS/MSD		X		
	14	Soil	Southern Portion of Site TBD	SS-4	6"-12" bgs		X		X		
	15	Soil	Southern Portion of Site TBD	SS-5	6"-12" bgs		X		X		
	16	Soil	Northern Portion of Site (B-1 Sample 1)	B-1A	Biased Towards Contamination 0-16 feet		X MS/MSD		X MS/MSD	X MS/MSD	
	17	Soil	Northern Portion of Site (B-1 Sample 2)	B-1B	Biased Towards Contamination 0-16 feet		X		X	X	
	18	Soil	Northern Portion of Site (B-2 Sample 1)	B-2A	Biased Towards Contamination 0-16 feet		X		X	X	
	19	Soil	Northern Portion of Site (B-2 Sample 2)	B-2B	Biased Towards Contamination 0-16 feet		X		X	X	
	20	Soil	Northern Portion of Site (B-3 Sample 1)	B-3A	Biased Towards Contamination 0-16 feet		X		X	X	
	21	Soil	Northern Portion of Site (B-3 Sample 2)	B-3B	Biased Towards Contamination 0-16 feet		X		X	X	
	22	Soil	Site Building (Southern Section)	SS-6	0"-12" Below Concrete Slab		X		X	X	
	23	Soil	Site Building (Southern Section)	SS-7	0"-12" Below Concrete Slab		X FD		X FD	X FD	
	24	Soil	Site Building (Southern Section)	SS-8	0"-12" Below Concrete Slab		X		X	X	
	25	Soil	Site Building (Southern Section)	SS-9	0"-12" Below Concrete Slab		X		X	X	
	26	Soil	Site Building (Southern Section)	SS-10	0"-12" Below Concrete Slab		X		X	X	
	27	Soil	Project Area North	MB-1	0-4 feet bgs				X	X	
	28	Soil	Project Area East	MB-2	0-4 feet bgs				X	X	
	29	Soil	Project Area South	MB-3	0-4 feet bgs				X	X	
	30	Soil	Project Area West	MB-4	0-4 feet bgs				X	X	
	31	Soil	Project Area Northwest	MB-5	0-4 feet bgs				X	X	
	32	Water	MW-4	MW-4	Water Table		X		X	X	
	33	Water	MW-5	MW-5	Water Table		X		X	X	
	34	Water	MW-6	MW-6	Water Table		X		X	X	
	35	Water	MW-7	MW-7	Water Table		X FD		X FD	X FD	
	36	Water	MW-8	MW-8	Water Table		X MS/MSD		X MS/MSD	X MS/MSD	
	37	Water	MW-9	MW-9	Water Table		X		X	X	
	38	Water	MW-10	MW-10	Water Table		X		X	X	
	39	Water	SVE-1	SVE-1	Water Table		X		X	X	
	40	Water	SVE-2	SVE-2	Water Table		X		X	X	
	41	Water	Southern Portion Temp. Well (B-6)	BP-1	Water Table		X		X	X	
	42	Water	Southern Portion Temp. Well (B-8)	BP-2	Water Table		X		X	X	
	43	Water	Trip Blank	TB-1	NA		X				
	44	Water	Field Blank	FD-1	Field Equipment		X				
	45	Water	Field Blank	FD-2	Field Equipment		X				
	46	Air	Library Lot Permanent SVP	SV-5	10 feet bgs		X				
	47	Air	Lincoln Ave East Permanent SVP	SV-6	10 feet bgs		X				
	48	Air	Greenridge Place Permanent SVP	SV-7	10 feet bgs		X FD				
	49	Air	Lincoln Ave West Permanent SVP	SV-8	10 feet bgs		X				
	50	Air	Whitney Place Permanent SVP	SV-9	10 feet bgs		X				
	51	Air	Ambient Air Sample	TBD	Ambient		X				
Task 3	1	Air	188 South Broadway (Structure 10)	AS-10S	Sub Slab		X				
	2	Air	188 South Broadway (Structure 10)	AS-10L	Sub Level/First Floor		X				
	3	Air	5 Whitney Place (Structure 11)	AS-11S	Sub Slab		X				
	4	Air	5 Whitney Place (Structure 11)	AS-11L	Sub Level/First Floor		X				
	5	Air	10 Whitney Place (Structure 1)	AS-1S	Sub Slab		X				
	6	Air	10 Whitney Place (Structure 1)	AS-1L	Sub Level/First Floor		X				
	7	Air	47 Lincoln Avenue (Structure 2)	AS-2S	Sub Slab		X FD				
	8	Air	47 Lincoln Avenue (Structure 2)	AS-2L	Sub Level/First Floor		X				
	9	Air	51 Lincoln Avenue (Structure 3)	AS-3S	Sub Slab		X				
	10	Air	51 Lincoln Avenue (Structure 3)	AS-3L	Sub Level/First Floor		X				
	11	Air	52 Lincoln Avenue (Structure 4)	AS-4S	Sub Slab		X				
	12	Air	52 Lincoln Avenue (Structure 4)	AS-4L	Sub Level/First Floor		X				
	13	Air	8 Greenridge Place (Structure 5)	AS-5S	Sub Slab		X				
	14	Air	8 Greenridge Place (Structure 5)	AS-5L	Sub Level/First Floor		X				
	15	Air	11 Greenridge Place (Structure 6)	AS-6S	Sub Slab		X				
	16	Air	11 Greenridge Place (Structure 6)	AS-6L	Sub Level/First Floor		X				
	17	Air	9 Greenridge Place (Structure 7)	AS-7S	Sub Slab		X				
	18	Air	9 Greenridge Place (Structure 7)	AS-7L	Sub Level/First Floor		X				
	19	Air	50 Lincoln Avenue (Structure 8)	AS-8S	Sub Slab		X				
	20	Air	50 Lincoln Avenue (Structure 8)	AS-8L	Sub Level/First Floor		X				
	21	Air	48 Lincoln Avenue (Site) (Structure 9)	AS-9S	Sub Slab		X				
	22	Air	48 Lincoln Avenue (Site) (Structure 9)	AS-9L	Sub Level/First Floor		X				
	23	Air	Ambient Air	TBD	Ambient Air		X				
Task 4	1	Air	Additional Structure 1	TBD	Sub Slab		X				
	2	Air	Additional Structure 1	TBD	Sub Level/First Floor		X				
	3	Air	Additional Structure 2	TBD	Sub Slab		X				
	4	Air	Additional Structure 2	TBD	Sub Level/First Floor		X FD				
	5	Air	Additional Structure 3	TBD	Sub Slab		X				
	6	Air	Additional Structure 3	TBD	Sub Level/First Floor		X				
	7	Air	Additional Structure 4	TBD	Sub Slab		X				
	8	Air	Additional Structure 4	TBD	Sub Level/First Floor		X				
	9	Air	Additional Structure 5	TBD	Sub Slab		X				
	10	Air	Additional Structure 5	TBD	Sub Level/First Floor		X				
	11	Air	Additional Structure 6	TBD	Sub Slab		X				
	12	Air	Additional Structure 6	TBD	Sub Level/First Floor		X				
	13	Air	Additional Structure 7	TBD	Sub Slab		X				
	14	Air	Additional Structure 7	TBD	Sub Level/First Floor		X				
	15	Air	Additional Structure 8	TBD	Sub Slab		X				
	16	Air	Additional Structure 8	TBD	Sub Level/First Floor		X				
	17	Air	Ambient Air	TBD	Ambient Air		X				
	18	Air	Ambient Air	TBD	Ambient Air		X				
	19	Air	Ambient Air	TBD	Ambient Air		X				
	20	Air	Ambient Air	TBD	Ambient Air		X				
	21	Air	Ambient Air	TBD	Ambient Air		X				
Task 6	1	Soil	Waste Drums	IDW-1	Drum Composite	X				X	X

Notes:
[1] Full TCLP includes TCLP lists for Volatiles,Semivolatiles, Pesticides, PCB's, and Metals
C - Celsius
FD - Field Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate
SVP - Soil Vapor Point
TBD - To be determined

Attachment A

HISTORY:

The site has been used as a dry cleaning business for approximately 50 years. In conducting a site audit for use in selling the property, the site owner discovered chlorinated compounds, perchloroethylene (PCE) and trichloroethene (TCE), in the soil and groundwater in February 2000. PCE is a known solvent associated with the dry cleaning business; therefore, it is believed that an unknown quantity of PCE was released from the site to the environment during past operations. The presence of TCE at the site is anticipated to be from the natural degradation of PCE. In 2006, a site characterization was completed through the NYSDEC.

WASTE TYPES: ( ) Liquid ( ) Solid ( ) Sludge ( ) Gas ( ) Unknown (X) Other, specify: contaminated soil

Check as many as applicable.

( ) Corrosive	( ) Flammable	( ) Radioactive
( ) Toxic	( ) Volatile	( ) Reactive
( ) Inert Gas	( ) Unknown	(X) Other, specify: TCE and PCE in soil

WORK ZONES: *Describe the Exclusion, Contamination Reduction, and Support Zones in terms on-site personnel will recognize*

Exclusion Zone: Perimeter area approximately 10 feet from sampling.

Contamination Reduction: 1Ten feet from well.

Support Zone: 20 feet from well.

HAZARDS OF CONCERN:

(X) Heat Stress	( ) Noise
(X) Cold Stress	( ) Inorganic Chemicals
( ) Explosive/Flammable	(X) Organic Chemicals
( ) Oxygen Deficient	(X) Motorized Traffic
( ) Radiological	(X) Heavy Machinery
( ) Biological	(X) Slips, Trips, & Falls
( ) Other	

FACILITY'S PAST AND PRESENT DISPOSAL METHODS AND PRACTICES:

Drill cuttings will be drummed, labeled, and covered on-site prior to sampling and off-site disposal.

HEALTH AND SAFETY PLAN FORM **CDM Health and Safety Program**	*This document is for the exclusive use of CDM and its subcontractors*	**CAMP DRESSER & McKEE INC.** **PROJECT DOCUMENT #:**

PROJECT NAME	Sharon Cleaners (Site No.: 5-46-052)	**PROJECT#**	62894	**REGION**	PSG NER
JOBSITE ADDRESS	48 Lincoln Avenue Saratoga Springs, NY	**CLIENT** **CLIENT CONTACT** **CLIENT CONTACT PHONE #**		NYSDEC Mr. Brian Jankauskas, P.E. 518-402-9620	

( ) AMENDMENT TO EXISTING APPROVED H&SP
( ) H&SP AMENDMENT NUMBER? _____ **( ) DATE EXISTING APPROVED H&SP** _____

OBJECTIVES OF FIELD WORK:
(e.g. collect surface soil samples):

1) Install soil vapor points

2) Collect groundwater, soil, vapor samples

3) Manage investigative derived waste.

Ty *Check as many as applicable*

Active	(X)	Landfill	( )	Unknown	( )
Inactive	( )	Uncontrolled	( )	Military	( )
Secure	( )	Industrial	( )	Other (specify)	( )
Unsecure	(X)	Recovery	( )		
Enclosed space	( )	Well Field	( )		

All requirements described in the CDM Health and Safety Assurance Manual for Hazardous Waste Operations are incorporated in this health and safety plan by reference.

DESCRIPTION AND FEATURES: *Include principal operations and unusual features (containers, buildings, dikes, power lines, hillslopes, rivers, etc.)*

The main site is a dry cleaning business and has been utilized as such for approximately 50 years. It is located in a relatively urban area in the City of Saratoga Springs. The surrounding sites that will be entered as part of this work plan are comprised of residential and commercial buildings. General urban features are present, such as power lines, sidewalks, and curbing.

SURROUNDING POPULATION: (x) Residential ( ) Industrial (x) Commercial ( ) Rural (x) Urban OTHER:

SITE MAP:

Investigative derived waste will be stored outside, at the back of the site building. Exclusion zones are ten (10) feet around the wells/vapor points and contamination reduction zones are located 10 feet around the exclusion zone.

HEALTH AND SAFETY PLAN FORM **CDM Health and Safety Program**	*This document is for the exclusive use of CDM and its subcontractors*	**CAMP DRESSER & McKEE INC.** **PROJECT DOCUMENT #:**

HAZARDOUS MATERIAL SUMMARY: *Circle waste type and estimate amounts by category.*

CHEMICALS: *Amount/Units:*	**SOLIDS:** *Amount/Units:*	**SLUDGES:** *Amount/Units:*	**SOLVENTS:** *Amount/Units:*	**OILS:** *Amount/Units:*	**OTHER:** *Amount/Units:*
Acids	Flyash	Paints	Halogenated (chloro, bromo)	Oily Wastes	Laboratory
Pickling Liquors	Mill or Mine Tailings	Pigments	Solvents	Gasoline	Pharmaceutical
Caustics	Asbestos	Metals Sludges	Hydrocarbons	Diesel Oil	Hospital
Pesticides	Ferrous Smelter	POTW Sludge	Alcohols	Lubricants	Radiological
Dyes/Inks	Non-Ferrous Smelter	Aluminum	Ketones	PCBs	Municipal
Phenols	Metals	Distillation Bottoms	Esters	Polynuclear Aromatics	Construction
Halogens	Other	Other	Ethers	Other	Munitions
Metals	*specify:*	*specify:*	Other	*specify:*	Other
Dioxins			*specify:*		*specify:*
Other					
specify:					

OVERALL HAZARD EVALUATION: ( ) High ( ) Medium (x) Low ( ) Unknown *(Where tasks have different hazards, evaluate each.)*
JUSTIFICATION:

FIRE/EXPLOSION POTENTIAL: ( ) High ( ) Medium (x) Low ( ) Unknown

BACKGROUND REVIEW: (X) Complete ( ) Incomplete

KNOWN CONTAMINANTS	ODOR THRESHOLD *ppm*	PEL/TLV *ppm or mg/m3 (specify)*	IDLH *ppm or mg/m3 (specify)*	STEL *(in ppm)*	SYMPTOMS & EFFECTS OF ACUTE EXPOSURE	PHOTO IONIZATION POTENTIAL
TCE/PCE	None	100 ppm TWA (PEL) 25 ppm TWA (TLV)	500 PPM	100 ppm	Irritating to eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness and skin erythema (skin redness).	N/A

Chemicals which detected concentrations at estimated levels are not presented.

NA = Not Available **NE = None Established** **U = Unknown**

Attach, to this plan, an MSDS for each chemical you will use at the site.

S = Soil SW = Surface Water T = Tailings W = Waste TK = Tanks SD = Sediment
A = Air GW = Ground Water SL = Sludge D = Drums L = Lagoons OFF = Off-Site

HEALTH AND SAFETY PLAN FORM	*This document is for the exclusive*	**CAMP DRESSER & McKEE INC.**
CDM Health and Safety Program	*use of CDM and its subcontractors*	**PROJECT DOCUMENT #:**

TASK DESCRIPTION/SPECIFIC TECHNIQUE/SITE LOCATION	**Type**	**Primary**	**Contingency**	**HAZARD & SCHEDULE**
1. Soil vapor point installation, borings.	(Intrusive) / Non-intrusive	A B C (D)	A B C D	Hi Med (Low)
		Modified	(Exit Area)	Summer 2006
2. Groundwater, soil, and vapor sampling.	(Intrusive) / Non-intrusive	A B C (D)	A B C D	Hi Med (Low)
		Modified	(Exit Area)	Summer 2006
3. Investigative derived waste management.	Intrusive / (Non-intrusive)	A B C D	A B C D	Hi Med (Low)
		Modified	(Exit Area)	Summer 2006
	Intrusive / Non-intrusive	A B C D	A B C D	Hi Med Low
		Modified	Exit Area	

PERSONNEL AND RESPONSIBILITIES

NAME	**FIRM/DIVISION**	**CDM HEALTH CLEARANCE**	**RESPONSIBILITIES**	**On Site?**
Tim Beaumont	CDM/EMP	B-S	H & S Coordinator/Field Manager	(1-2-3-4-5)
Matt Millias	CDM/NSG	B-S	Alt. H & S Coordinator/PM	(1-2-3-4-5)
Chris Marlowe	CDM/EMP	C	H&S Manager	1-2-3-4-5

PROTECTIVE EQUIPMENT: *Specify by task. Indicate type and/or material, as necessary. Group tasks if possible. Use copies of this sheet if needed.*

BLOCK A - Soil Vapor Point Installation, Sampling & Materials Handling

TASKS: (1) - 2 - 3 - 4 - 5 - 6 - 7 - 8
LEVEL: A - (B) - C - D - Modified
(x) Primary ( ) Contingency

Respiratory: (x) Not needed
( ) SCBA, Airline
( ) APR
( ) Cartridge
( ) Escape Mask
( ) Other:

Head and Eye: ( ) Not needed
(x) Safety Glasses:
( ) Face Shield:
( ) Goggles:
(x) Hard Hat:
( ) Other:

Boots: ( ) Not needed
(x) Steel-Toe
( ) Rubber
( ) Overboots: Latex (optional)

Prot. Clothing: (x) Not needed
( ) Encapsulated Suit
( ) Splash Suit
( ) Apron
( ) Tyvek Coverall
( ) Saranex Coverall
( ) Cloth Coverall
( ) Other: insulated coverall

Gloves: ( ) Not needed
(x) Undergloves: latex
( ) Gloves: Cotton
( ) Overgloves: Nitrile

Other: specify below
( ) Tick Spray
( ) Flotation Device
( ) Heating Protection
( ) Sun Screen

BLOCK B

TASKS: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10
LEVEL: A - B - C - D - Modified
( ) Primary (x) Contingency

Respiratory: ( ) Not needed
( ) SCBA, Airline
( ) APR
( ) Cartridge: Combination
( ) Escape Mask
( ) Other:

Head and Eye: ( ) Not needed
( ) Safety Glasses
( ) Face Shield
( ) Goggles
( ) Hard Hat
( ) Other:

Boots: ( ) Not needed
( ) Steel-Toe ( ) Steel Shank
( ) Rubber ( ) Leather
( ) Overboots: Latex

Prot. Clothing: ( ) Not needed
( ) Encapsulated Suit
( ) Splash Suit
( ) Apron:
( ) Tyvek Coverall
( ) Saranex Coverall
( ) Cloth Coverall
( ) Other:

Gloves: ( ) Not needed
( ) Undergloves: PVC
( ) Gloves: Cotton
( ) Overgloves: Nitrile

Other: specify below
( ) Tick Spray
( ) Flotation Device
( ) Heating Protection
( ) Sun Screen

BLOCK C

TASKS: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10
LEVEL: A - B - C - D - Modified
(x) Primary ( ) Contingency

Respiratory: ( ) Not needed
( ) SCBA, Airline:
( ) APR:
( ) Cartridge:
( ) Escape Mask:
( ) Other:

Head and Eye: ( ) Not needed
( ) Safety Glasses:
( ) Face Shield:
( ) Goggles:
( ) Hard Hat:
( ) Other:

Boots: ( ) Not needed
( ) Steel-Toe ( ) Steel Shank
( ) Rubber ( ) Leather
( ) Overboots:

Prot. Clothing: ( ) Not needed
( ) Encapsulated Suit:
( ) Splash Suit
( ) Apron:
( ) Tyvek Coverall
( ) Saranex Coverall
( ) Cloth Coverall:
( ) Other:

Gloves: ( ) Not needed
( ) Undergloves:
( ) Gloves:
( ) Overgloves:

Other: specify below
( ) Tick Spray
( ) Flotation Device
( ) Heating Protection
( ) Sun Screen

BLOCK D

TASKS: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10
LEVEL: A - B - C - D - Modified
( ) Primary (x) Contingency

Respiratory: ( ) Not needed
( ) SCBA, Airline
( ) APR
( ) Cartridge
( ) Escape Mask
( ) Other:

Head and Eye: ( ) Not needed
( ) Safety Glasses
( ) Face Shield
( ) Goggles
( ) Hard Hat
( ) Other:

Boots: ( ) Not needed
( ) Steel-Toe ( ) Steel Shank
( ) Rubber ( ) Leather
( ) Overboots

Prot. Clothing: ( ) Not needed
( ) Encapsulated Suit
( ) Splash Suit
( ) Apron
( ) Tyvek Coverall
( ) Saranex Coverall
( ) Cloth Coverall
( ) Other:

Gloves: ( ) Not needed
( ) Undergloves
( ) Gloves
( ) Overgloves

Other: specify below
( ) Tick Spray
( ) Flotation Device
( ) Heating Protection
( ) Sun Screen

HEALTH AND SAFETY PLAN FORM	*This document is for the exclusive*	**CAMP DRESSER & McKEE INC.**
CDM Health and Safety Program	*use of CDM and its subcontractors*	**PROJECT DOCUMENT #:**

MONITORING EQUIPMENT: *Specify by task. Indicate type as necessary.*

INSTRUMENT	**TASK**	**ACTION GUIDELINES**		**COMMENTS**
Combustible Gas Indicator	1-2-3-4-5-6-7-8	0-10% LEL 10-25% LEL >25% LEL 21.0% O2 <21.0% O2 <19.5% O2	*No explosion hazard* *Potential explosion hazard; notify SHSC* *Explosion hazard; interrupt task/evacuate* *Oxygen normal* *Oxygen deficient; notify SHSC* *Interrupt task/evacuate*	(X) Not Needed
Radiation Survey Meter	1-2-3-4-5-6-7-8	3 x Background: >2mR/hr:	*Notify HSM* *Establish REZ*	(X) Not Needed
Photoionization Detector 10.6eV Lamp Type OVM	1-2-3-4-5-6-7-8	*Specify:* Total VOCs greater than 10 ppm - level C respirator		( ) Not Needed
Flame Ionization Detector Type_____	1-2-3-4-5-6-7-8	*Specify:*		(X) Not Needed
Detector Tubes/ Monitox Type_____	1-2-3-4-5-6-7-8	*Specify:*		(X) Not Needed
Respirable Dust Monitor Type_____	1-2-3-4-5-6-7-8	*Specify:*		(X) Not Needed
Other *Specify:*	1-2-3-4-5-6-7-8	*Specify:*		(X) Not Needed

DECONTAMINATION PROCEDURES

ATTACH SITE MAP INDICATING EXCLUSION, DECONTAMINATION, AND SUPPORT ZONES AS PAGE TWO

Personnel Decontamination	**Sampling Equipment Decontamination**	**Heavy Equipment Decontamination**
CDM will wear protective gloves during all sampling activities.	Sampling equipment will be decontaminated, or properly containerized/encapsulated, prior to leaving the site.	Decontaminate drill rig/geoprobe auger at each well location.
Containment and Disposal Method	**Containment and Disposal Method**	**Containment and Disposal Method**
Disposable protective equipment will be containerized and disposed of off site.	Sampling equipment cleaning water solutions be will containerized and disposed of off site.	Contain decontamination water, store in 55 gallon drums, and dispose off-site following sampling.

EMERGENCY CONTACTS	NAME	PHONE
Fire Department:		911
Police Department:		911
Ambulance:		911
NYSDEC Spill Number:	NYSDEC	800-457-7362
USEPA Release Report #:		800-424-8802
CDM 24-Hour Emergency #:		800-313-5593
Poison Control Center:		800-562-8736
Underground Utility:	UFPO	800-962-7962

CONTINGENCY PLANS:

If CDM work team observes hazards for which they have not prepared, they will withdraw from the area and call the NG Site Contact, Ms. Andrea Indelicato.

SHSC will designate evacuation routes. Teams will cease work if they see lightning or thunder storms in the area.

CDM may rely on instruments operated by contractor personnel only upon HSM approval. If contractor directs a higher level of protection than this plan does, CDM personnel will wear that level. CDM personnel may choose to wear more protection than directed by this plan.
Contractor will be expected to inspect its equipment and certify its suitability for the project to the CDM site health and safety coordinator.

HEALTH AND SAFETY PLAN APPROVALS

Prepared by Lauren Livermore Date 1/2/2008
DHSC Signature _____ Date _____
HSM Signature _____ Date _____

EMERGENCY CONTACTS	NAME	PHONE
CDM Health and Safety Manager	Chris Marlowe	
CDM Project Manager	Matthew Millias	cell 315-243-0728
CDM Field Manager	Tim Beaumont	cell 585-739-2368
CDM Site Safety Coordinator	Tim Beaumont	cell 585-739-2368
Client Contact	Brian Jankauskas	518-402-9620

HOSPITAL INFORMATION

Name:	Saratoga Care
Phone:	518-587-3222
Address:	211 Church St., Saratoga Springs, NY
Route:	Go west on Lincoln to Broadway (NY50NY9N). Go north to Church Street. Go west on Church Street to the intersection of Van Rensselaer

HEALTH AND SAFETY PLAN SIGNATURE FORM

CDM Health and Safety Program

All site personnel must sign this form indicating receipt of the H&SP. Keep this original on site or with the field manager. It becomes part of the permanent project files. Send a copy to the Health and Safety Manager (HSM).

SITE NAME/NUMBER: Sharon Cleaners Remedial Investigation & Remedy Selection (Site No.: 5-46-052)

DIVISION/LOCATION: Saratoga Springs, NY

CERTIFICATION:

I understand, and agree to comply with, the provisions of the above referenced H&SP for work activities on this project. I agree to report any injuries, illnesses or exposure incidents to the site Health and Safety Coordinator (SHSC). I agree to inform the SHSC about any drugs (legal and illegal) that I take within three days of site work.

PRINTED NAME	SIGNATURE	DATE

Attachment B

2/18/08 DDD ✓

01/14/08

Cost Review for Work Plan or Amendment

Contractor Name: CDM **Date:** February 7, 2008
WA # and Name: #22 Sharon Cleaners **Reviewer:**

	GENERAL COST REVIEW CHECKLIST	Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.		X	Removed d1 & d2 – no costs in the category
	For grouped work assignments, Schedule 2.11s are broken down by site.		X	Not Applicable
1.	**Schedule 2.11(b) - Direct Labor**			
	Average reimbursement rates are used for each year. For future years, an escalation factor of 3% has been used.		X	Project duration anticipated < one year
	Hours are segregated by year.		X	Project duration anticipated < one year
	Total cost for each NSPE level is shown.	X		
	Total direct labor costs match amounts on Schedule 2.11(a).	X		
	Total labor hours match hours on Schedule 2.11(h).	X		
	The Principal's (NSPE level 9) labor hours charged to WA are less than 2% of the total time.	X		
2.	**Schedule 2.11(b-1) - Direct Administrative Labor Hours**			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	X		
3.	**Schedules 2.11(c) and (d) - Direct Non-Salary Costs**			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or miscellaneous costs match contract Schedule 2.10(b).	X		
	Quotes are included for any non-contract item (<u>including</u> equipment purchases & rentals; <u>excluding</u> air fare) >$1k. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.		X	No equipment needed over $1,000; not applicable
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR. If they're not in ICR, they are included in 2.10(b) or 2.10(c). Field costs must be receipted.	X		
	Appropriate lodging/per diem/mileage rates are used.	X		
	Rates are approved for consultant-owned equipment as per Schedule 2.10(c).		X	Not Applicable
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	X		
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	X		
4.	**Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts**	Yes	No	Comments
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted for DEC review.	X		

Cost Review for Work Plan or Amendment

Contractor Name: CDM **Date:** February 7, 2008
WA # and Name: #22 Sharon Cleaners **Reviewer:**

	GENERAL COST REVIEW CHECKLIST	Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.		X	Removed d1 & d2 – no costs in the category
	For grouped work assignments, Schedule 2.11s are broken down by site.		X	Not Applicable
1.	**Schedule 2.11(b) - Direct Labor**			
	Average reimbursement rates are used for each year. For future years, an escalation factor of 3% has been used.		X	Project duration anticipated < one year
	Hours are segregated by year.		X	Project duration anticipated < one year
	Total cost for each NSPE level is shown.	X		
	Total direct labor costs match amounts on Schedule 2.11(a).	X		
	Total labor hours match hours on Schedule 2.11(h).	X		
	The Principal's (NSPE level 9) labor hours charged to WA are less than 2% of the total time.	X		
2.	**Schedule 2.11(b-1) - Direct Administrative Labor Hours**			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	X		
3.	**Schedules 2.11(c) and (d) - Direct Non-Salary Costs**			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or miscellaneous costs match contract Schedule 2.10(b).	X		
	Quotes are included for any non-contract item (<u>including</u> equipment purchases & rentals; <u>excluding</u> air fare) >$1k. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.		X	No equipment needed over $1,000; not applicable
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR. If they're not in ICR, they are included in 2.10(b) or 2.10(c). Field costs must be receipted.	X		
	Appropriate lodging/per diem/mileage rates are used.	X		
	Rates are approved for consultant-owned equipment as per Schedule 2.10(c).		X	Not Applicable
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	X		
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	X		
4.	**Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts**	Yes	No	Comments
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted for DEC review.	X		

	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.	X		
	A breakdown of direct non-salary costs in the form of additional Schedule 2.11s is attached, if appropriate.	X		
	Total subcontract cost matches amount on Schedule 2.11(a).	X		
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.	X		
	Subcontractor certification(s) have been submitted.	X		
5.	**Schedule 2.11(f) - Unit Price Subcontracts**			
	There are quotes for non-standby subcontracts >$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	X		
	Standby Drillers (Two phase process) - Costs from at least 3 standbys (or additional quotes from non-standby drillers) are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected.		X	DEC has list w/ all MSA's in place
	Standby Labs and Data Validators (Used on a rotational basis) - Unit cost per sample match unit cost in their standby contract.	X		
	M/WBE - cost reasonableness of sole/single source M/WBE contracts <$10K ~~and~~ are documented by an engineer's estimate.	X		
	Correct management fee is calculated only on non-professional unit priced subs >$10k and M/WBE firms from $1. (Management fee is not allowed on professional engineering firms, architects, or surveyors, unless the contract specifically allows it.)	X		
	Subcontractor certification(s) have been submitted.	X		
	Justification is attached for any subcontracts >$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, soil excavation, and other construction-type activities) typically must be competitively bid, unless otherwise approved by CPS.		X	Not Applicable
6.	**Schedule 2.11(g) - Cost Control Report**			
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).	X		
	PMWP or amendment development costs are within 5% of the total WA or amendment costs. Acceptable justification has been submitted if the percentage exceeds 5%.		X	Justification submitted by email to NYSDEC CA
	PMWP or amendment development costs are limited to preparing a PMWP or amendment. Additional sub-tasks, if included, have been conceptually approved.	X		
7.	**Schedule 2.11(g) Supplemental - Cost Control Report (subs)**			
	Schedules include all applicable subcontracts and management fees (for unit price only).	X		
8.	**Schedule 2.11(a)**			
	Rates for indirect and fixed fee match contract rates.	X		
	All numbers rolled up into Schedule 2.11(a) add up.	X		
9.	**Additional Cost Information/Comments**			
	None			

Schedule 2.11(a)

Summary of Work Assignment Price

Work Assignment Number D004437-22

1) Direct Salary Costs (Schedules 2.11(a) and 2.11(b))			$39,820
2) Indirect Costs (Schedule 2.11(g))			$66,858
3) Direct Non-Salary Costs (Schedules 2.11(b)(c)(d) and 2.11(c)(d))			$9,387
4) Subcontract Costs			
Cost-Plus-Fixed-Fee Subcontracts (Schedule 2.11(e) and 2.11(e))			
Name of Subcontractor	**Services To Be Performed**		**Subcontract Price**
i) Ken Schider Consulting	W/MBE Reporting		$375
A) Total Cost-Plus-Fixed-Fee Subcontracts		$375	
Unit Price Subcontracts (Schedule 2.11 (f) and 2.11 (f))			
Name of Subcontractor	**Services To Be Performed**		**Subcontract Price**
i) Aztech Technologies	WBE Geoprobe Drilling		$9,180
ii) ChemTech	MBE Laboratory - Water & Soil		$10,473
iii) Air Toxics	WBE Laboratory - Air		$16,060
iv) Environmental Data Validation	WBE Data Validator		$3,918
v) Op Tech	IDW Disposal		$1,450
B) Total Unit Price Subcontracts		$41,081	
5) Subcontract Management Fee		$1,982	
6) Total Subcontract Costs (lines 4A + 4B + 5)			$43,437
7) Fixed Fee (Schedule 2.11(h))			$7,468
8) Total Work Assignment Price (Lines 1 + 2 + 3 + 6 + 7)			$166,970

Engineer/Contract # D004437
Project Name Sharon Cleaners
Work Assignment No. D004437-22

Date Prepared: 12/18/07

Schedule 2.11(b)
Direct Labor Hours Budgeted

Labor Classification	***IX***		***VIII***		***VII***		***VI***		***V***		***IV***		***III***		***II***		***I***		***Tech. Support***		***Admin Support***		***Total No. of Direct Labor Hours and Costs Budgeted***	
Average Salary Rate ($) Year: 2008	$65.24		$59.42		$52.09		$45.95		$38.75		$32.86		$28.62		$25.52		$21.12		$20.38		$20.38			
Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 1 - Work Plan Development																								
Task 1.1 Work Plan Development	2	$130	2	$119	32	$1,667	0	$0	0	$0	0	$0	124	$3,549	0	$0	0	$0	0	$0	2	$41	162	$5,506
Task Subtotals	**2**	**$130**	**2**	**$119**	**32**	**$1,667**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**124**	**$3,549**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**2**	**$41**	**162**	**$5,506**
Task 2 Environmental Sampling																								
Task 2.1 Field Sampling	2	$130	2	$119	8	$417	0	$0	0	$0	0	$0	110	$3,148	40	$1,021	0	$0	0	$0	2	$41	164	$4,876
Task 2.2 Survey	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	4	$114	0	$0	0	$0	0	$0	0	$0	4	$114
Task Subtotals	**2**	**$130**	**2**	**$119**	**8**	**$417**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**114**	**$3,263**	**40**	**$1,021**	**0**	**$0**	**0**	**$0**	**2**	**$41**	**168**	**$4,990**
Task 3 Structure Sampling																								
Task 3.1 Field Sampling	2	$130	2	$119	8	$417	0	$0	0	$0	0	$0	70	$2,003	70	$1,786	0	$0	0	$0	2	$41	154	$4,497
Task Subtotals	**2**	**$130**	**2**	**$119**	**8**	**$417**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**70**	**$2,003**	**70**	**$1,786**	**0**	**$0**	**0**	**$0**	**2**	**$41**	**154**	**$4,497**
Task 4 Supplemental Structure Sampling																								
Task 4.1 Field Sampling	2	$130	2	$119	8	$417	0	$0	0	$0	0	$0	70	$2,003	70	$1,786	0	$0	0	$0	2	$41	154	$4,497
Task Subtotals	**2**	**$130**	**2**	**$119**	**8**	**$417**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**70**	**$2,003**	**70**	**$1,786**	**0**	**$0**	**0**	**$0**	**2**	**$41**	**154**	**$4,497**
Task 5 Mitigation Evaluation																								
Task 5.1 Evaluation, Design, Bid	2	$130	2	$119	50	$2,605	0	$0	0	$0	0	$0	96	$2,748	0	$0	0	$0	0	$0	2	$41	152	$5,642
Task Subtotals	**2**	**$130**	**2**	**$119**	**50**	**$2,605**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**96**	**$2,748**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**2**	**$41**	**152**	**$5,642**
Task 6 Investigative Derived Waste																								
Task 6.1 Off-Site Disposal and Coordination	2	$130	2	$119	0	$0	0	$0	0	$0	0	$0	16	$458	0	$0	0	$0	0	$0	2	$41	22	$748
Task Subtotals	**2**	**$130**	**2**	**$119**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**16**	**$458**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**2**	**$41**	**22**	**$748**
Task 7 - Field Documentation and Reporting																								
Task 7.1 Draft Report	4	$261	4	$238	60	$3,125	0	$0	0	$0	0	$0	120	$3,434	0	$0	0	$0	0	$0	10	$204	198	$7,262
Task 7.2 Final Report	0	$0	2	$119	60	$3,125	0	$0	0	$0	0	$0	120	$3,434	0	$0	0	$0	0	$0	0	$0	182	$6,679
Task Subtotals	**4**	**$261**	**6**	**$357**	**120**	**$6,251**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**240**	**$6,869**	**0**	**$0**	**0**	**$0**	**0**	**$0**	**10**	**$204**	**380**	**$13,941**
Total Hours	**16**		**18**		**226**		**0**		**0**		**0**		**730**		**180**		**0**		**0**		**22**		**1192**	
Total Direct Labor Cost ($) Year 2008		**$1,044**		**$1,070**		**$11,772**		**$0**		**$0**		**$0**		**$20,893**		**$4,594**		**$0**		**$0**		**$448**		**$39,820**

Engineer/Contract # D004437
Project Name Sharon Cleaners
Work Assignment No. 22

Date Prepared: 12/18/2007

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

Labor Classification		*IX*	*VIII*	*VII*	*VI*	*V*	*IV*	*III*	*II*	*I*	*Tech. Support*	*Admin. Support*	*Total No. of Direct Labor Hrs.*
Task 1	Work Plan Development	1	2	4	0	0	0	0	0	0	0	2	9
Task 2	Environmental Sampling	0	0	2	0	0	0	0	0	0	0	2	4
Task 3	Structure Sampling	0	0	2	0	0	0	0	0	0	0	2	4
Task 4	Supplemental Structure Sampling	0	0	2	0	0	0	0	0	0	0	2	4
Task 5	Mitigation Evaluation	1	1	4	0	0	0	0	0	0	0	2	8
Task 6	Investigative Derived Waste	0	1	4	0	0	0	0	0	0	0	2	7
Task 7	Field Documentation and Reporting	1	2	4	0	0	0	0	0	0	0	2	9
TOTAL HOURS		3	6	22	0	0	0	0	0	0	0	14	45

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

1) Work Plan Budget Development
   > Conflict of Interest Check
   > Budget schedules & supporting documentation
2) Review work assignment (WA) progress
   > Conduct progress reviews
   > Prepare monthly project report
   > Update WA progress schedule
   > Prepare M/WBE Utilization Report
3) Contractor Application for Payment (CAP)
   > Oversee and prepare monthly CAP
4) Program Management
   > Prepare monthly cost control report
   > Cost control reviews
   > Staffing Plans
   > Manage subcontracts
   > NSPE list update
   > Equipment inventory
5) Miscellaneous
   > Conduct Health and Safety Reviews
   > Word processing and graphic artists
   > Report editing

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

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

Schedule 2.11 (c)

Direct Non-Salary Costs
***Work Assignment Number* D004437-22**

	Item	Max. Reimbursement Rate (Specify Unit)	Est. No. of Units	Total Estimated Cost
A)	Other			
1)	Mailings	LS	1	$2,500
2)	Outside Printing	LS	1	$600
B)	Miscellaneous			
1)	Meals (per day)	$44	10	$440
2)	Lodging (per day)	$95	10	$950
3)	Mileage (per mile)	$0.485	1000	$485
4)	LVE (per day)	$1	10	$10
5)	PPE (Level D per day)	$15	10	$150
	Total Direct Non-Salary Costs			$5,135

Work Assignment No. D004437-22

Schedule 2.11(d) 3

Maximum Reimbursement Rate for Vendor Rented Equipment

Item	Max Reimbursement Rate ($)*	Est. Usage (unit of time)	Est. Rental Cost ($) (Col. 2 x 3)
Air Sample Pump (2) (per day)	$50	10	$500
PID (per day)	$40	10	$400
Helium Detector (per day)	$65	10	$650
Low Flow Pump (per week)	$65	2	$130
Drill (per week)	$150	2	$300
GPS Unit (per day)	$500	1	$500
		TOTAL:	**$2,480**

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

Work Assignment No. D004437-22

Schedule 2.11(d) 4

Site-Dedicated Equipment

Item	Estimated Quantity	Unit Cost ($)	Total Budgeted Cost (Col. 2 x3) ($)
Stainless Steel Female Swagelok Connector (each)	30	$10	$300
Stainless Steel Male Swagelok Connector (each)	30	$6	$180
1/4" OD Stainless Steel Tubing (per foot)	40	$6	$220
Cutting of SS Tubing into 5 foot pieces (only sold in 20 foot len	6	$7	$42
1/4" Hollow Hex Plug (each)	30	$6	$180
		TOTAL	**$922**

Work Assignment No. D004437-22

Schedule 2.11(d) 5

Consumable Supplies

Item	Estimated Quantity	Unit Cost ($)	Total Budgeted Cost (Col. 2 x3) ($)
Teflon Tubing (100 ft roll)	2	$200	$400
Helium Canisters	3	$150	$450
		TOTAL	**$850**

Schedule 2.11 (e)

Cost-Plus-Fixed-Fee Subcontracts
Work Assignment Number D004437-22

Name of Subcontractor	Services to be Performed	Subcontract Price	Subcontractor Fee
Ken Schider Consulting	M/WBE Reporting	$375	$0

A) Direct Salary Costs

Professional Responsibility Level	Labor Classification	Ave. Reimbursement Rate ($/Hr.)	Max. Reimbursement Rate ($/Hr.)	Est. No. of Hours	Total Est Direct Salary Cost (Ave. Reimb. Rate x Est. # of Hrs.)
IV	Eng/Scientist 4	$32.60	$36.78	5	$163
Total Direct Salary Costs					**$163**

Footnotes:

1) The labor rate averages and maximums shall be adjusted by a rate equal to the increase in the CPI index CUURA101SAO-"All Urban Consumers-New York-Northern N.J.-Long Island" for the previous year. This index is published by the U.S. Department of Labor's Bureau of Labor Statistics. The adjustment will be calculated every January and will be effective for subsequent work assignment billing and budgeting purposes.
2) Schedule 2.11(e) may be re-negotiated after four (4) years at the request of either party. Any revision as a result of re-negotiation will be subject to the approval of the Office of the State Comptroller.
3) The maximum annual escalation is limited to 5%.
4) Reimbursement will be limited to the lesser of either the individual's actual hourly rate or the maximum rate for each labor category.
5) Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
6) Only those labor classifications indicated with an asterisk will be entitled to overtime.
7) Reimbursement for technical time of principals, owners, and officers will be limited to the maximum reimbursement rate of that category, the actual hourly labor rate paid, or the State M-6 rate, whichever is lower.
8) Maximum reimbursement rates may be exceeded for work assignment activities that are under the jurisdiction of the Schedule of Prevailing Wage Rates set by the New York State Department of Labor.

B) Indirect Costs

Indirect costs shall be paid based on a percentage of direct salary costs incurred which shall not exceed a maximum of 115 % or the actual rate calculated in accordance with 48 CFR Federal Acquisition Regulation, whichever is lower.

Amount budgeted for indirect costs is: **$187**

C) Maximum Reimbursement Rates for Direct Non-Salary Costs

Item		Max Reimbursement Rate (Specify Unit)	Est. No. of Units	Total Est. Cost
1)	Travel	See Schedule 2.10 (d) for rates		
2)	Supplies			
Total Direct Non-Salary Costs				**$0**

D) Fixed Fee

The fixed fee is: 7% **$25**
See Schedule 2.10 (h) for how the fixed fee should be claimed.

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number -D004437-22

Name of Subcontractor	**Services to be Performed**	**Subcontract Price**	**Management Fee**
Environmental Data Validation	**WBE Data Validator**	**$3,918**	**$196**

Item	**Max. Reimbursement Rate (Specify Unit)**	**Est. No. of Units**	**Total Est. Cost**
DATA VALIDATION			
Soil - Full TCLP (EPA Method 1311)	$135 /Sample	1	$135
Soil - VOCs (EPA Method 8260)	$21 /Sample	32	$673
Soil - PCBs (EPA Method 8082)	$22 /Sample	1	$22
Soil - TAL Metals (EPA Method 6010B/700(	$26 /Sample	24	$618
Soil - Hex Chromium (EPA Method 7196A)	$19 /Sample	19	$365
Soil - Ignitability (EPA Method 1010)	$3 /Sample	1	$3
Soil - Reactivity (SW846 Sect 7.3)	$3 /Sample	1	$3
Soil - Corrosivity (EPA Method 9040)	$3 /Sample	1	$3
Soil - Moisture Content (ASTM D 2216)	$3 /Sample	1	$3
Water - VOCs (EPA Method 8260)	$21 /Sample	17	$357
Water - Hex Chromium (EPA Method 7196A	$19 /Sample	14	$269
Water - Metals (EPA Method 7000)	$26 /Sample	14	$361
Air - VOCs (EPA method TO-15)	$20 /Sample	55	$1,105
		Subtotal	$3,918

Subtotal-Subcontract Price	**$3,918**
Subcontract Management Fee*	**$196**
TOTAL	**$4,114**

* A subcontract management fee of 5% has been included

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number D004437-22

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Aztech Technologies	**Geoprobe Drilling**	**$9,180**	**$459**

Item	Max. Reimbursement Rate (Specify Unit)	Est. No. of Units	Total Est. Cost
MOB/DEMOB			
Senior Technician/Driller (mob rate)	$45 /hr	3	$135
Rig Mileage Rate	$1 /mi	90	$90
Support Truck Mileage Rate	$0.80 /mi	90	$72
		Subtotal	$297
DRILL RIG AND CREW			
Truck Drill Rig and Crew	$1,025 /day	3	$3,075
Overtime Rate 1 person	$135 /hour	2	$270
		Subtotal	$3,345
SOIL SAMPLING & TEMPORARY MONITORING WELLS			
5' x 2.25" Macro Core Soil Samples with Acetate Liners	$6 /each	52	$312
1" Sch40 PVC Riser	$3 /ft	20	$60
1" Sch40 PVC 010 Slot Screen w/ sand to 6" above screen	$6 /ft	10	$58
1" PVC Cap 2 each $1.00 $2.00	$1 /each	2	$2
Sand and Bentonite Hydration of 3" hole to ground surface	$2 /ft	20	$30
		Subtotal	$462
SOIL VAPOR POINT INSTALLATION			
Deep Soil Vapor Point Installation (8'-16')	$110 /each	5	$550
Glass beads	$10 /each	5	$50
100% Teflon Tubing 5 points with 10' of tubing on each.	$1 /ft	50	$63
		Subtotal	$663
MISCELLANEOUS			
55-Gallon Drum	$48 /each	3	$144
		Subtotal	$144
NON STANDBY CONTRACT ITEMS			
Technicians to Pre Clear locations (2 Techs x 2 days x 10 hr days	$55 /hr	50	$2,750
Air Compressor and Air Knife Rental	$300 /day	2	$600
50 lb Bag of Topsoil	$10 /each	4	$40
15 lb Bag of Grass Seed	$20 /each	1	$20
Technician to restore grass area after probe activity completed	$55 /hr	4	$220
8" Flush mount curb box	$98 /each	5	$490
		Subtotal	$4,120
2008 Cost Escalator on Standby Items 3%			**$150**
Subtotal-Subcontract Price			**$9,180**
TOTAL*			**$9,639**

* A subcontract management fee of 5% has been included

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number D004437-22

Name of Subcontractor **ChemTech**
Services to be Performed **MBE Laboratory**
Subcontract Price **$10,473**
Management Fee **$524**

Item	Max. Reimbursement Rate	Specify Unit	Est. No. of Units	Total Est. Cost
SAMPLING EQUIPMENT				
None				
			Subtotal	**$0**
LABORATORY ANALYSIS				
Water - VOCs (EPA Method 8260)	$89	Sample	17	$1,517
Water - Hex Chromium (EPA Method 7196A)	$37	Sample	14	$515
Water - Metals (EPA Method 7000)	$110	Sample	14	$1,544
Soil - Full TCLP** (EPA Method 1311)	$599	Sample	1	$599
Soil - VOCs (EPA Method 8260)	$89	Sample	32	$2,856
Soil - TAL Metals (EPA Method 6010B/7000)	$110	Sample	24	$2,646
Soil - Hex Chromium (EPA Method 7196A)	$37	Sample	19	$698
Soil - Ignitability	$26	Sample	1	$26
Soil - Reactivity	$47	Sample	1	$47
Soil - Corrosivity	$11	Sample	1	$11
Soil - Moisture Content (ASTM D 2216)	$15	Sample	1	$15
			Subtotal	**$10,473**
			Subtotal-Subcontract Price	**$10,473**
			Subcontract Management Fee*	**$524**
			TOTAL	**$10,997**

* A subcontract management fee of 5% has been included for M/WBE subcontracts.

** Full TCLP includes TCLP lists for Volatiles,Semivolatiles, Pesticides, PCB's, and Metals

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number D004437-22

Name of Subcontractor **Air Toxics**
Services to be Performed **WBE Laboratory**
Subcontract Price **$16,060**
Management Fee **$803**

Item	Rate	Specify Unit	Est. No. of Units	Total Est. Cost
SAMPLING EQUIPMENT				
Summa Canisters & Regulators w/ Fitting (Task 2)	$97	Sample	7	$679
Summa Canisters & Regulators w/ Fitting (Task 3)	$97	Sample	25	$2,425
Summa Canisters & Regulators w/ Fitting (Task 4)	$97	Sample	23	$2,231
			Subtotal	**$5,335**
LABORATORY ANALYSIS				
TO-15 Air (Task 2)	$195	Sample	7	$1,365
TO-15 Air (Task 3)	$195	Sample	25	$4,875
TO-15 Air (Task 4)	$195	Sample	23	$4,485
			Subtotal	**$10,725**
			Subtotal-Subcontract Price	**$16,060**
			Subcontract Management Fee*	**$803**
			TOTAL	**$16,863**

* A subcontract management fee of 5% has been included for M/WBE subcontracts.
24 hour Regulators; Individually Certified 6L Summa; Category B Deliverable; 30 day turnaround

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number D004437-22

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Op Tech	IDW Disposal	$1,450	$0

Item	Max. Reimbursement Rate (Specify Unit)	Est. No. of Units	Total Est. Cost
OFF-SITE Disposal			
Non-Hazardous Waste	$150 /drum	3	$450
Mob/Demob	$1,000 Lump Sum	1	$1,000
Subtotal-Subcontract Price		**Subtotal-Subcontract Price**	**$1,450**
		Subcontractor Management Fee	**$0**
		Total	**$1,450**

Schedule 2.11 (g) SUMMARY

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Sharon Cleaners
Work Assignment No. D004437-22
Task #/Name Summary
Complete 0%

Page
Date Prepared 12/18/07
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Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$39,820	$39,820	$39,820	$0
2. Indirect Costs - '167.9%	$0	$0	$0	$0	$66,858	$66,858	$66,858	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$106,679	$106,679	$106,679	$0
4. Travel	$0	$0	$0	$0	$1,875	$1,875	$1,875	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$7,512	$7,512	$7,512	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$9,387	$9,387	$9,387	$0
7. Subcontractors	$0	$0	$0	$0	$41,456	$41,456	$41,456	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$1,982	$1,982	$1,982	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$159,503	$159,503	$159,503	$0
9. Fixed Fee	$0	$0	$0	$0	$7,468	$7,468	$7,468	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$166,970	$166,970	$166,970	$0

Project Manager Matt Millias

Date

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Sharon Cleaners
Work Assignment No. D004437-22
Task #/Name Task 1 - Work Plan Development
Complete 0%

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Date Prepared 12/18/07
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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 Price (A+B+E)*	*Approved Budget*	*Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$5,506	$5,506	$5,506	$0
2. Indirect Costs - '167.9%	$0	$0	$0	$0	$9,244	$9,244	$9,244	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$14,750	$14,750	$14,750	$0
4. Travel	$0	$0	$0	$0	$0	$0	$0	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$100	$100	$100	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$100	$100	$100	$0
7. Subcontractors	$0	$0	$0	$0	$375	$375	$375	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$0	$0	$0	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$15,225	$15,225	$15,225	$0
9. Fixed Fee	$0	$0	$0	$0	$1,033	$1,033	$1,033	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$16,258	$16,258	$16,258	$0

Project Manager Matt Millias

Date _____

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Sharon Cleaners
Work Assignment No. D004437-22
Task #/Name Task 2 - Environmental Sampling
Complete 0%

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Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$4,990	$4,990	$4,990	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$8,379	$8,379	$8,379	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$13,369	$13,369	$13,369	$0
4. Travel	$0	$0	$0	$0	$500	$500	$500	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$2,210	$2,210	$2,210	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$2,710	$2,710	$2,710	$0
7. Subcontractors	$0	$0	$0	$0	$21,697	$21,697	$21,697	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$1,085	$1,085	$1,085	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$38,861	$38,861	$38,861	$0
9. Fixed Fee	$0	$0	$0	$0	$936	$936	$936	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$39,796	$39,796	$39,796	$0

Project Manager Matt Millias

Date

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Sharon Cleaners
Work Assignment No. D004437-22
Task #/Name Task 3 - Substructure Sampling
Complete 0%

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Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$4,497	$4,497	$4,497	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$7,550	$7,550	$7,550	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$12,046	$12,046	$12,046	$0
4. Travel	$0	$0	$0	$0	$1,000	$1,000	$1,000	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$2,626	$2,626	$2,626	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$3,626	$3,626	$3,626	$0
7. Subcontractors	$0	$0	$0	$0	$7,300	$7,300	$7,300	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$365	$365	$365	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$23,337	$23,337	$23,337	$0
9. Fixed Fee	$0	$0	$0	$0	$843	$843	$843	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$24,181	$24,181	$24,181	$0

Project Manager Matt Millias

Date

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer **Camp Dresser & McKee**
Contract No. **D004437**
Project Name **Sharon Cleaners**
Work Assignment No. **D004437-22**
Task #/Name **Task 4 - Supplemental Structure Sampling**
Complete **0%**

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Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$4,497	$4,497	$4,497	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$7,550	$7,550	$7,550	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$12,046	$12,046	$12,046	$0
4. Travel	$0	$0	$0	$0	$375	$375	$375	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$2,076	$2,076	$2,076	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$2,451	$2,451	$2,451	$0
7. Subcontractors	$0	$0	$0	$0	$6,716	$6,716	$6,716	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$336	$336	$336	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$21,549	$21,549	$21,549	$0
9. Fixed Fee	$0	$0	$0	$0	$843	$843	$843	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$22,392	$22,392	$22,392	$0

Project Manager Matt Millias **Date** ____

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer **Camp Dresser & McKee**
Contract No. **D004437**
Project Name **Sharon Cleaners**
Work Assignment No. **D004437-22**
Task #/Name **Task 5 - Mitigation Evaluation**
Complete **0%**

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Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$5,642	$5,642	$5,642	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$9,473	$9,473	$9,473	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$15,115	$15,115	$15,115	$0
4. Travel	$0	$0	$0	$0	$0	$0	$0	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$200	$200	$200	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$200	$200	$200	$0
7. Subcontractors	$0	$0	$0	$0	$0	$0	$0	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$0	$0	$0	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$15,315	$15,315	$15,315	$0
9. Fixed Fee	$0	$0	$0	$0	$1,058	$1,058	$1,058	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$16,373	$16,373	$16,373	$0

Project Manager Matt Millias **Date** ____

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer **Camp Dresser & McKee**
Contract No. **D004437**
Project Name **Sharon Cleaners**
Work Assignment No. **D004437-22**
Task #/Name **Task 6 - Investigative Derived Waste**
Complete **0%**

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Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$748	$748	$748	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$1,256	$1,256	$1,256	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$2,004	$2,004	$2,004	$0
4. Travel	$0	$0	$0	$0	$0	$0	$0	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$0	$0	$0	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$0	$0	$0	$0
7. Subcontractors	$0	$0	$0	$0	$1,450	$1,450	$1,450	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$0	$0	$0	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$3,454	$3,454	$3,454	$0
9. Fixed Fee	$0	$0	$0	$0	$140	$140	$140	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$3,594	$3,594	$3,594	$0

Project Manager Matt Millias **Date** ____

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer **Camp Dresser & McKee**
Contract No. **D004437**
Project Name **Sharon Cleaners**
Work Assignment No. **D004437-22**
Task #/Name **Task 7 - Field Documentation and Reporting**
Complete **0%**

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Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$13,941	$13,941	$13,941	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$23,407	$23,407	$23,407	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$37,348	$37,348	$37,348	$0
4. Travel	$0	$0	$0	$0	$0	$0	$0	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$300	$300	$300	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$300	$300	$300	$0
7. Subcontractors	$0	$0	$0	$0	$3,918	$3,918	$3,918	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$196	$196	$196	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$41,761	$41,761	$41,761	$0
9. Fixed Fee	$0	$0	$0	$0	$2,614	$2,614	$2,614	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$44,376	$44,376	$44,376	$0

Project Manager Matt Millias **Date** ____

Schedule 2.11 (g) - Supplemental

Cost Control Report for Subcontracts

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Sharon Cleaners
Work Assignment No. D004437-22

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Subcontract Name	*A* *Subcontract Costs Claimed this Application Inc. Resubmittals*	*B* *Subcontract Costs Approved for Payment on Previous Applications*	*C* *Total Subcontract Costs to Date (A plus B)*	*D* *Subcontract Approved Budget*	*E* *Management Fee Budget*	*F* *Management Fee Paid*	*G* *Total Costs to Date (C plus F)*
1. Aztech Technologies	$0	$0	$0	$9,180	$459	$0	$0
2. ChemTech	$0	$0	$0	$10,473	$524	$0	$0
3. Air Toxics	$0	$0	$0	$16,060	$803	$0	$0
4. Environmental Data Validation	$0	$0	$0	$3,918	$196	$0	$0
5. Ken Schider Consulting (MBE)	$0	$0	$0	$375	$0	$0	$0
6. Op Tech	$0	$0	$0	$1,450	$0	$0	$0
7. **TOTALS**	$0	$0	$0	$41,456	$1,982	$0	$0

Project Manager Matt Millias

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

Schedule 2.11(h)
Monthly Cost Control Report
Summary of Labor Hours
Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

Engineer/Contract # **Camp Dresser & McKee / D00437**
Project Name **Sharon Cleaners**
Work Assignment No. **D004437-22**

Date Prepared **12/18/07**
Billing Period
Invoice No.

NSPE Labor Classification	*IX Exp/Est*	*VIII Exp/Est*	*VII Exp/Est*	*VI Exp/Est*	*V Exp/Est*	*IV Exp/Est*	*III Exp/Est*	*II Exp/Est*	*I Exp/Est*	*Tech Exp/Est*	*Admin.*	*Total No. of Direct Labor Hrs. Exp/Est*
Task 1	0 / 2	0 / 2	0 / 32	0 / 0	0 / 0	0 / 0	0 / 124	0 / 0	0 / 0	0 / 0	0 / 2	0 / 162
Task 2	0 / 2	0 / 2	0 / 8	0 / 0	0 / 0	0 / 0	0 / 114	0 / 40	0 / 0	0 / 0	0 / 2	0 / 168
Task 3	0 / 2	0 / 2	0 / 8	0 / 0	0 / 0	0 / 0	0 / 70	0 / 70	0 / 0	0 / 0	0 / 2	0 / 154
Task 4	0 / 2	0 / 2	0 / 8	0 / 0	0 / 0	0 / 0	0 / 70	0 / 70	0 / 0	0 / 0	0 / 2	0 / 154
Task 5	0 / 2	0 / 2	0 / 50	0 / 0	0 / 0	0 / 0	0 / 96	0 / 0	0 / 0	0 / 0	0 / 2	0 / 152
Task 6	0 / 2	0 / 2	0 / 0	0 / 0	0 / 0	0 / 0	0 / 16	0 / 0	0 / 0	0 / 0	0 / 2	0 / 22
Task 7	0 / 4	0 / 6	0 / 120	0 / 0	0 / 0	0 / 0	0 / 240	0 / 0	0 / 0	0 / 0	0 / 10	0 / 380
Total Hours	0 / 16	0 / 18	0 / 226	0 / 0	0 / 0	0 / 0	0 / 730	0 / 180	0 / 0	0 / 0	0 / 22	0 / 1192

* Expended/Estimated

Schedule 2.11(i)

Summary of Equipment Purchase

Work Assignment Number **D004437-22**

Engineer CDM ***Contract No.*** **D004437**

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

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

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

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

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

Work Assignment Number D004437-22
Subcontractor Comparison

Geoprobe Drilling	Item	Aztech Cost Per Unit	Aztech Unit	Aztech Est. Units	Aztech Total Est. Cost	Nothnagle Est. Units	Nothnagle Cost Per Unit	Nothnagle Unit	Nothnagle Total Est. Cost	Geologic Est. Units	Geologic Cost Per Unit	Geologic Unit	Geologic Total Est. Cost
MOB/DEMOB	Senior Technician/Driller (mob rate)	$45	/hr	3	$135	10	$85	/hr	$850	1	$800	/lump sum	$800
	Rig Mileage Rate	$1	/mi	90	$90	480	$1	/mi	$360				$0
	Support Truck Mileage Rate	$0.80	/mi	90	$72	480	$1	/mi	$360				$0
	Subtotal				$297				$1,570				$800
DRILL RIG AND CREW	Truck Drill Rig and Crew	$1,025	/day	3	$3,075	4	$1,300	/day	$5,200	3	$1,400	/day	$4,200
	Overtime Rate 1 person	$135	/hour	2	$270	0	$150	/hour	$0	0	$175	/hour	$0
					$3,345				$5,200				$4,200
SOIL SAMPLING & TEMPORARY MONITORING WELLS	5' x 2.25" Macro Core Soil Samples with Acetate Liners	$6	/each	52	$312	52	$3	/each	$130	0	$0	/each	$0
	1" Sch40 PVC Riser	$3	/ft	20	$60	20	$3	/ft	$60	20	$5	/ft	$100
	1" Sch40 PVC 010 Slot Screen w/ sand to 6" above scree	$6	/ft	10	$58	10	$5	/ft	$45	10	$5	/ft	$50
	1" PVC Cap 2 each $1.00 $2.00	$1	/each	2	$2	2	$1	/each	$2	2	$2	/each	$4
	Sand and Bentonite Hydration of 3" hole to ground surfa	$2	/ft	20	$30	20	$1	/ft	$20	0	$0	/ft	$0
	Subtotal				$462				$257				$154
SOIL VAPOR POINT INSTALLATION	Deep Soil Vapor Point Installation (8'-16')	$110	/each	5	$550	5	$100	/each	$500	5	$75	/each	$375
	Glass beads	$10	/each	5	$50	5	$25	/each	$125	0	$0	/each	$0
	100% Teflon Tubing 5 points with 10' of tubing on each	$1	/ft	50	$63	50	$4	/ft	$200	50	$8	/ft	$400
	Subtotal				$663				$825				$775
MISCELLANEOUS	55-Gallon Drum	$48	/each	3	$144	3	$60	/each	$180	3	$60	/each	$180
	Subtotal				$144				$180				$180
NON STANDBY CONTRACT ITEMS	Technicians to Pre Clear locations	$55	/hr	50	$2,750	32	$130	/hr	$4,160	4	$1,400	/day	$5,600
	Air Compressor and Air Knife Rental	$300	/day	2	$600	4	$500	/day	$2,000	0	$0	/hr	$0
	50 lb Bag of Topsoil	$10	/each	4	$40	30	$1	/each	$30	0	$0	/each	$0
	15 lb Bag of Grass Seed	$20	/each	1	$20	50	$1	/each	$50	0	$0	/each	$0
	Technician to restore grass area after probe activity	$55	/hr	4	$220	1	$75	/hr	$75	0	$0	/hr	$0
	8" Flush mount curb box	$98	/each	5	$490	5	$125	/each	$625	5	$150	/each	$750
	Subtotal				$4,120				$6,940				$6,350
TOTALS	2008 Cost Escalator on Standby Items 3%				**$150**				**$0**				**$0**
	Subtotal-Subcontract Price				**$9,180**				**$14,972**				**$12,459**

Investigation Derived Waste Disposal	Amount	Units	Innovative Recycling Technologies, Inc.	Op-Tech	Clean Harbors
Soil Removal in Drums- Non-Hazardous	3	drum	non-responsive	$150	$150
Mob/Demob	1	LS	non-responsive	$1,000	$1,206
		Totals:	non-responsive	$1,450	$1,656

Attachment C

M/WBE-EEO WORKPLAN
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Grantee/Consultant/Contractor			Project Number
Camp Dresser & McKee			D004437-22
Address: Salina Industrial Powerpark One General Motors Drive	City: Syracuse		Zip Code: 13206
Authorized Representative: Michael Memoli		Authorized Signature	
Address: 100 Crossways Park West	City: Woodbury	Zip Code: 11797	Phone No.: 516-496-8400
Minority Business Enterprise Officer: Ken Schider			Fax No.

Project Description (list separate contracts & estimates)

Contract No.	Description	Estimate
D004437-22	Sharon Cleaners Remedial Investigation and Remedy Selection	$165,652

PROJECTED M/WBE AND EEO CONTRACT SUMMARY

		%	Amount			%	No./Employ
1.	Total Project Dollar Value	100	$166,970	5.	Total Employees	100	9
2.	MBE Project Goal	15	$25,046	6.	Total Minority Employees/Goal	10	1
3.	WBE Project Goal	5	$8,349	7.	Total Female Employees/Goal	10	1
4.	M/WBE Totals Combined	20	$33,394	8.	EEO Total Combined	20	2

OFFICE OF MINORITY & WOMEN'S BUSINESS PROGRAMS USE ONLY

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

Number Types of Contracts	Contract Breakdown	Amount
Data Validation	WBE Subcontractor - Environmental Data Validation	$3,918
	Management Fee	$196
Laboratory	WBE Subcontractor - Air Toxics	$16,060
	Management Fee	$803
Laboratory	MBE Subcontractor - Chemtech	$10,473
	Management Fee	$524
Geoprobe/Drilling	WBE Subcontractor - Aztech Technologies	$9,180
	Management Fee	$459
M/WBE Reporting	MBE Subcontract Consultant - Ken Schider	$350
	Management Fee (Fixed Fee Subcontract)	$25
	Total (including fee)	$41,988

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

Municipality/Consultant/Contractor Name: Camp Dresser & McKee			
Contract Type/Number: D004437		Contract Award Date: February 7, 2006	
Address: One General Motors Drive	City: Latham	State: NY	Zip Code: 13206
Project Owner Name: Camp Dresser & McKee		Project/Grant No.: D004437-22	
Address: 100 Crossways Park West	City: Woodbury	State: NY	Zip Code: 11797
Authorized Representative: Micheal Memoli		Title: Partner	
Authorized Signature:			

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

M/WBE CONTRACT SUMMARY	%	Amount	EEO CONTRACT SUMMARY	%	No./Emp.	Wk./Hrs.
1. Total Dollar Value of the Project	100	$166,970	6. Total for all Employees	100	9	1192
2. Total Dollar Value of the Prime Contract			7. Total Goal for Minority Employees	10	1	119.2
3. MBE Goal/Amount	15	$25,046	8. Total Goal for Female Employees	10	1	119.2
4. WBE Goal/Amount	5	$8,349	9. EEO Combined Totals	20	2	238.4
5. MBE/WBE Combined Totals	20	$33,394				

Office of Minority & Women's Business Programs Use Only

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

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

MBE Firm	Projected MBE Contract Amount and Award Date	Description of Work MBE	Contract Schedule/Start Date(s)	Contract Payment Schedule	Project Completion Date
Name: Address: City: State/Zip Code: Telephone No.:	$_____ DATE: _____				
Name: Ken Shider Address: 8 Dauphin Drive City: Albany State/Zip Code: NY 12205 Telephone No.: 518-269-2207	$ 350 DATE: 1/7/2008	M/WBE Reporting	1/31/2008	Monthly	12/31/2008
Name: Aztech Tech. Address: 5McCrea Hill Rd City: Ballston Spa State/Zip Code: NY 12020 Telephone No.: (518) 885-5383	$ 9,180 DATE: 1/7/2008	WBE Drilling/Geoprobe	1/31/2008	Monthly	12/31/2008

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

WBE Firm	Projected WBE Contract Amount and Award Date	Description of Work WBE	Contract Schedule/Start Date(s)	Contract Payment Schedule	Project Completion Date
Name: Env. Data Validation Address: 1326 Orangewood Ave City: Pittsburgh State/Zip Code: PA, 15216 Telephone No.: 412-341-5281	$ 3,918 DATE: 1/7/2008	Data Validation	1/31/2008	Monthly	12/31/2008
Name: Chemtech Address: 284 Sheffield Street City: Mountainside State/Zip Code: NJ 07092 Telephone No.: 908-789-8900	$ 10,473 DATE: 1/7/2008	MBE Lab Analysis of Samples	1/31/2008	Monthly	12/31/2008
Name: Air Toxics Address: 180 Blue Ravine Road, Suite B City: Folsom State/Zip Code: CA 95630 Telephone No.:	$ 16,060 DATE: 1/7/2008	WBE Lab Analysis of Samples	1/31/2008	Monthly	12/31/2008

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

Job Categories	Total Work Hours of Contract	All Employees		Minority Employees			
		Male	Female	African-American	Asian	Native American	Hispanic
Officials/ Managers	34	34					
Professionals	824	226	598				
Technicians	312	312					
Sales Workers							
Office/Clerical	22		22				
Craftsman							
Laborers							
Services/ Workers							
Totals	1192	572	620				

Attachment D

Community Air Monitoring Plan
For
Sharon Cleaners WA#22
(Site No.:5-46-052)
Saratoga Springs, New York

Introduction

Sharon Cleaners is a dry cleaning business located in Saratoga Springs, New York. After a site audit was conducted on the property, perchloroethylene and trichloroethene were discovered in the soil and groundwater. Based upon the nature of these contaminants, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary.

Periodic monitoring for VOCs will be required during all work activities, whether intrusive or non-intrusive. Examples of such activities include the collection of soil and sediment samples, the collection of groundwater samples from existing monitoring wells, soil/waste excavation and handling, test pitting and the installation of soil borings or monitoring wells. Periodic monitoring during sample collection shall consist of taking a reading from a photo ionization detector (PID) upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging and taking a reading prior to leaving a sample location. Therefore, at least three readings will be taken each day.

VOC Monitoring, Response Levels, and Actions

If VOC's are found near the work activities, a sample downwind of the immediate work area (i.e., the exclusion zone) will be taken. Upwind concentrations should be measured at the start of each workday to establish background conditions. The monitoring work should be performed using equipment appropriate to measure PCE and/or TCE levels. The equipment should be calibrated at least daily for the contaminant of concern or for an appropriate surrogate. The equipment should be capable of producing instantaneous concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

All readings must be recorded and be available for New York State (DEC and DOH) personnel to review.

Attachment E

New York State
Department of Environmental Conservation
Division of Environmental Remediation

Subcontract Certification

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

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at: http://www.wadsworth.org/labservices.htm).

2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.

3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)

4. For subcontracts in excess (or anticipated to be) of $10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of $10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at http://www.osc.state.ny.us/agencies/gbull/g221.htm.)

5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).

6. The Subcontract includes the termination clause required in the prime contract.

7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.

8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: http://www.ins.state.ny.us and Best's Rating can be determined at http://www.ambest.com). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.

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

Matthew D. Millis — 2/19/08

Signature of Contractor's Authorized Representative — Date

Camp Dresser + McKee — 22

Contractor Name — Contract No. WA No.

Air Toxics

Subcontractor Name

New York State
Department of Environmental Conservation
Division of Environmental Remediation

Subcontract Certification

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5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).

6. The Subcontract includes the termination clause required in the prime contract.

7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.

8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: http://www.ins.state.ny.us and Best's Rating can be determined at http://www.ambest.com). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.

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

Matthew D. Millus — 2/19/08

Signature of Contractor's Authorized Representative — Date

Camp Dresser & McKee — 22

Contractor Name — Contract No. WA No.

Aztech Technologies

Subcontractor Name

New York State
Department of Environmental Conservation
Division of Environmental Remediation

Subcontract Certification

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

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Matthew D. Millias — 2/19/08

Signature of Contractor's Authorized Representative — Date

Camp Dresser + McKee — 22

Contractor Name — Contract No. WA No.

Chemtech

Subcontractor Name — 3/2/07

New York State
Department of Environmental Conservation
Division of Environmental Remediation

Subcontract Certification

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

Matthew D. Millis — 2/19/08

Signature of Contractor's Authorized Representative — Date

Camp Dresser & McKee — 22

Contractor Name — Contract No. WA No.

Environmental Data Validation, Inc.

Subcontractor Name

3/2/07

New York State
Department of Environmental Conservation
Division of Environmental Remediation

Subcontract Certification

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Matthew D. Millias — 2/19/08

Signature of Contractor's Authorized Representative — Date

Camp Dresser + McKee — 22

Contractor Name — Contract No. WA No.

Ken Schider Consulting

Subcontractor Name

3/2/07

New York State
Department of Environmental Conservation
Division of Environmental Remediation

Subcontract Certification

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3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)

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6. The Subcontract includes the termination clause required in the prime contract.

7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.

8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: http://www.ins.state.ny.us and Best's Rating can be determined at http://www.ambest.com). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.

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

Matthew D. Millias — 2/19/08

Signature of Contractor's Authorized Representative — Date

Camp Dresser + McKee — 22

Contractor Name — Contract No. WA No.

Op Tech

Subcontractor Name — 3/2/07