COMPETITIVE BID SOLICITATION FOR SITE CHARACTERIZATION ACTIVITIES

Craig's Sunoco
517 West Broad Street, Hazelton, PA 18201
City of Hazelton, Luzerne County, PA

PaDEP FACILITY ID #40-25887; USTIF CLAIM #2009-0028(F)

September 16, 2010

A petroleum release was discovered at the Craig's Sunoco (Site) during a Phase II Environmental Site Assessment conducted in December 2008. A Site Characterization Report (SCR) was submitted on September 15, 2009 and was disapproved by the PA Department of Environmental Protection (PaDEP) on January 7, 2010. The Scope of Work for this RFB Solicitation is to perform additional site characterization activities and submit a Supplemental Site Characterization Report. The Solicitor, (Neal A. Craig), has an open claim (claim number referenced above) with the Pennsylvania Underground Storage Tank Indemnification Fund (USTIF) and the corrective action work will be completed under this claim. Reimbursement of Solicitor-approved, reasonable, necessary, and appropriate costs up to claim limits for the corrective action work described in this RFB will be provided by USTIF.

The corrective action work for this solicitation will generally include the following components (additional details provided later in this solicitation):

- Conduct a PaDEP file review and write appropriate plans;
- Abandon one bedrock monitoring well (MW-2);
- Conduct a geophysical survey of the property;
- Perform a survey of the sanitary sewers, storm sewers and other subsurface utilities;
- Install soil monitoring wells;
- Conduct a professional land survey of Site;
- Conduct a soil boring investigation;
- Conduct a vapor intrusion assessment;
- Conduct a groundwater elevation survey;
- Perform a receptor survey;
- Conduct aquifer testing (slug test) and groundwater sampling; and
- Complete and submit a Supplemental Site Characterization Report.

Should your company elect to respond to this RFB Solicitation, one copy of the signed bid package must be provided directly to the ICF International (ICF) Claims Handler at the address indicated below. In addition to this hard copy submittal, the bid package must also be submitted in electronic format (Adobe PDF format) on a CD to be included with the hard copy bid package to the ICF Claims Handler. The outside package must be clearly labeled with "Bid – Claim #2009-028(F)". The ICF Claims Handler and the Technical Contact will assist[1] the Solicitor in evaluating the competitive bids received; however, it is the Solicitor who will ultimately select the successful bidder with whom it will negotiate a mutually agreeable contract.

[1] This assistance is being provided on behalf of ICF International (ICF) who is the USTIF claims administrator.

The signed response to this RFB (one hard copy and electronic copy) must be provided as directed above no later than close of business (5 p.m. EST) on October 22, 2010. Bid evaluation will consider, among other factors, estimated total cost, unit costs, schedule, discussion of technical approach, qualifications, and contract terms and conditions. The total cost will be the most heavily weighted evaluation criterion.

A. SOLICITOR, SITE OWNER'S REPRESENTATIVE, ICF CLAIMS HANDLER, AND TECHNICAL CONTACT INFORMATION

Solicitor

Neal A. Craig
Craig's Sunoco
63 Railroad Drive
Weatherly, PA 18255
570-427-4474
4mywife@pa.metrocast.net

Technical Contact[2]

Lawrence F. Roach, P.G.
Groundwater Sciences Corporation
2601 Market Place Street
Suite 310
Harrisburg, PA 17110
Phone: 717.901.8184
Fax: 717.657.1611
lroach@groundwatersciences.com

ICF Claims Handler

Bethany Smith
ICF International, Inc.
4000 Vine Street
Middletown, PA 17057
Phone: 800-888-7843
Fax: 717-948-1767
bsmith@icfi.com

NOTE: All questions regarding this RFB Solicitation and the subject site conditions must be directed via e-mail to the Technical Contact identified above with the understanding that all questions and answers will be provided to all bidders. The e-mail subject line must be "Craig's Sunoco 2009-0028 – RFB QUESTION". Bidders must neither contact nor discuss this RFB Solicitation with the Solicitor, USTIF, PADEP, or ICF unless approved by the Technical Contact. Bidders may discuss this RFB Solicitation with subcontractors and vendors to the extent required for preparing the bid response. **All questions must be received by close of business on October 13, 2010.**

[2] Subcontractor to ICF.

B. ATTACHMENTS TO THIS RFB SOLICITATION

Attachment 1 Previous Environmental Reports and Supporting Documents
Attachment 2 Standard Bid Format
Attachment 3 Standard Remediation Agreement

C. SITE LOCATION / BACKGROUND

The following figures have been prepared by the Technical Contact based on information generated by Quad 3. (The information has not been independently verified).

Figure 1 – Proposed monitoring well, soil boring, and soil vapor sampling location map
Figure 2 – Postulated Bedrock Monitoring Well MW-1 log
Figure 3 – Postulated Bedrock Monitoring Well MW-2 log

Environmental site characterization activities have been conducted at this site in response to a confirmed release at the site in December 2008. Specific site background information can be found in the documents provided in Attachment 1. The following information summarizes (and in some cases paraphrases) relevant information provided in the previous environmental reports that are included as Attachment 1. If there is any conflict between the summary provided herein and the source documents, the bidder should differ to the source documents.

Site Name / Address:
Craig's Sunoco / 517 West Broad Street, City of Hazelton, Luzerne County, PA.

Site Use Description:
The Site is an active retail petroleum facility and convenience store.

Nature of Confirmed Release and Subsequent Activities:

As part of a Phase II Environmental Site Assessment, Quad 3 advanced four soil borings at the Site and collected one sample from each boring. Soil borings B-001 through B-004 were advanced at the Site on December 31, 2008 (GSC Figure 1). Samples collected from the soil borings were analyzed for the new short list of PaDEP unleaded gasoline substances. A concentration of benzene was detected above the Statewide Health Standard (SHS) in B-002 at a depth of 7.5 feet below ground surface (fbgs). Concentrations of benzene and MTBE were detected above the SHS in B-004 at a depth of 16.0 fbgs. The sample collected from B-003 was collected from a relatively shallow depth of 3 fbgs. The laboratory analytical reports for the soil samples are included in Attachment 1.

As part of site characterization, Quad 3 installed two monitoring wells and advanced eight soil borings at the Site. Monitoring wells MW-1 and MW-2 (GSC Figure 1) were installed in June 2009 using air rotary drilling techniques to depths of 175 fbgs. Monitoring well logs, generated by the driller, were submitted with the September 2009 SCR, and are included in Attachment 1. GSC has created postulated monitoring well logs for MW-1 and MW-2 based on the driller's field notes (included in Attachment 1) and working knowledge of the area geology. GSC's postulated monitoring well logs for MW-1 and MW-2 are included as Figures 2 and 3, respectively. Soil borings B-005 through B-012 were advanced on July 30, 2009 (GSC Figure 1).

Soil samples were collected from soil borings B-005 through B-010 and soil boring B-012. Soil samples were analyzed for the new short list of PaDEP unleaded gasoline substances. Concentrations of benzene, MTBE, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzne were detected above the SHS in B-010 at a depth of 9.5 fbgs. The laboratory analytical reports for the soil samples are included in Attachment 1. Three of the seven soil samples (samples from borings B-007, B-009, and B-012) were collected from relatively shallow depths (5.0 feet below grade or shallower).

Two rounds of groundwater samples were collected from the Site as part of the site characterization. Samples collected from the monitoring wells were analyzed for the new short list of PaDEP unleaded gasoline substances. Although all analyzed substances were below SHSs, the samples collected from MW-1 and MW-2 may not be representative of groundwater conditions at the Site. The laboratory analytical reports for the groundwater samples are included in Attachment 1.

Current and Historical Constituents of Concern:

The constituents of concern (COCs) at this site are the substances on the new PaDEP short list for unleaded gasoline substances (benzene, cumene, ethylbenzene, MTBE, naphthalene, toluene, total xylenes, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene).

D. OBJECTIVE / SCOPE OF WORK AND PADEP DISAPPROVAL LETTER CROSS REFERENCE

This RFB seeks competitive bids from qualified contractors to perform the additional characterization activities scoped below to investigate a confirmed petroleum release and submit a Supplemental SCR to the PaDEP. The following Scope of Work has been

developed by the Technical Contact based on the §245.309 Regulations and specific comments from the PaDEP case manager.

1. **Project Plans:** The bidder must conduct a PaDEP file review. The bidder must also prepare a Health and Safety Plan; Waste Management Plan; Field Sampling and Analysis Plan; PA One Call Notification Plan and/or other plans that may be required by regulations or that may be necessary and appropriate.[3]
2. **Engineering Evaluation of Utilities:** Conduct an engineering evaluation of underground storm sewers, sanitary sewers, water lines, natural gas lines, etc. beneath West Broad Street and West Green Street. The survey should extend to a distance of 50 feet beyond the property line in all directions. The evaluation should include any on-site laterals to these utilities which may have served or currently serve as preferential migration pathways for petroleum impacted water, potential separate phase liquid (SPL), or vapors. This evaluation should include a review of available municipal and authority plans of the utilities beneath West Broad Street and West Green Street and the subject site.
3. **Geophysical Survey:** A geophysical survey of the Site should be performed. The purpose of this survey is to help identify and locate the UST excavations, previous areas of soil excavation, potential unknown USTs, conveyance lines, and other underground utilities and features prior to the invasive characterization activities described in this work plan. Specifically, the log for soil boring B-010 (GSC Figure 1) (installed by Quad 3) indicated pea gravel to a depth of at least 12 fbgs. The lateral extent of this pea gravel should be explored. It is anticipated that both electromagnetic (EM) and ground-penetrating radar (GPR) technologies would be employed. This is an active facility and this activity will need to be coordinated with the Solicitor such that the work is done at a time when the facility is closed or generally not busy.
4. **Bedrock Monitoring Well Abandonment:** Quad 3 installed and sampled two bedrock monitoring wells (MW-1 and MW-2, GSC Figure 1) at the Site. The monitoring well logs included in the September 2009 Site Characterization Report consisted solely of the drillers notes. GSC has prepared postulated monitoring well logs based on the driller's notes and working knowledge of the area geology. GSC's postulated monitoring well logs for MW-1 and MW-2 are included as Figure 2 and 3, respectively. Although these monitoring wells have provided geologic and hydrogeologic information, monitoring well MW-2 is completed such that the screened interval spans a void created by deep mining the Buck Mountain coal vein, and therefore, the water level is likely water in the sump below the mine void. Monitoring well MW-2 should be abandoned by placing a plug in the two-inch riser to a depth just above the top of the screened interval and filling the riser with grout using a tremie tube. Monitoring well MW-1 is cased and grouted through the lost circulation zone interpreted to be associated with the void from the deep-mined Buck Mountain coal vein and the confined water bearing zone in this interval. Monitoring well MW-1 should remain as a deep well for the purpose of measuring water levels.
5. **Monitoring Well Installation:** The log for soil borings B-010, located to the west of the dispenser island, indicated that the pea gravel was "saturated" from 8 to 12 feet below grade (fbgs). The logs for soil borings B-001, located to the north of the dispenser island, and B-002, located to the east of the dispenser island, indicated that wet

[3] In accordance with 25 PA Code §245.309. Successful bidder shall be responsible for contacting Pennsylvania One Call prior to conducting any invasive field work.

conditions were present at an interval similar to soil boring B-010. Soil boring logs are provided in the SCR included in Attachment 1. Saturated and wet subsurface conditions at the Site indicate that shallow groundwater is present, and therefore, require characterization. Please assume for this RFB that five overburden groundwater monitoring wells are required. Approximate locations depending on utilities for MW-101 through MW-105 are shown on GSC Figure 1. For the purpose of this RFB assume that the monitoring wells shall be installed with the following characteristics:

a. Conduct continuous geological characterization (boring logs) and screening of soil from borings using a photoionization detector (PID) (using headspace measurements). Continuous geological logs should be prepared by a Professional Geologist licensed in the Commonwealth for each boring using standard and consistent classification system procedures (e.g., Modified Burmister or USCS);

b. Wells shall be constructed of two-inch PVC material;

c. The well screen shall straddle the water table;

d. The well screen shall be entirely in soil; and

a. Each monitoring well will be completed at the surface with a securable manhole, set in concrete flush with the ground surface.

6. **Monitoring Well Sampling and Analysis:** The five new monitoring wells and one existing well (MW-1) at the Site shall be sampled twice (at least thirty days apart) if they have no measureable separate phase liquid (SPL) and analyzed for the substance on the PaDEP new short list for unleaded gasoline substances (benzene, cumene, ethylbenzene, MTBE, naphthalene, toluene, total xylenes, 1,2,4-trimethylbenzene, and 1,3,5- trimethylbenzene). The samples shall be analyzed by EPA Method 8260 by a PADEP-certified laboratory. QA/QC for this task shall include analyzing one trip blank (to be provided by the laboratory) and one blind duplicate QA/QC groundwater sample per sampling event.

   During each sampling event, static water levels and SPL thickness shall be measured in each of the monitoring wells. Wells shall be purged prior to sampling in accordance with standard industry practices and applicable laws, regulations, guidance and Department directives (one of the documents to be considered is the PaDEP Groundwater Monitoring Guidance Manual, Document No. 383-3000-001 dated December 1, 2001) and applicable regulations and guidance.

   If SPL is encountered during the monitoring well sampling activities, the SPL thickness shall be measured before it is removed and properly containerized / stored and the Technical Contact shall be notified immediately.

7. **Soil Boring Drilling:** Soil borings installed by Quad 3 at the site revealed concentrations of target substances in soil above SHS MSCs (B-002, B-004, and B-010, GSC Figure 1). Please assume for the purposes of this RFB that ten soil borings (SB-A through SB-J) will be drilled at the Site. The soil borings will be installed following the installation of the monitoring wells (see Item 5) so that the depth-to-water at the Site can be determined prior to soil sampling. Eight of these borings (SB-A through SB-H) will investigate the soil quality in areas identified by Quad 3 as areas of SHS soil exceedances. Soil boring SB-A will be installed immediately adjacent to historical soil boring B-010. Soil borings SB-B through SB-E will be installed around B-010 to define soil impacts laterally. Soil boring SB-F will be installed between borings B-002 and B-

004 to evaluate the target substance concentrations in samples collected from them borings B-002 and B-004. Soil borings SB-G and SB-H will be installed to the east of SB-6 to define soil impacts to the east of B-002 and B-004. One soil boring (SB-I) will investigate the area north of the repaired spill bucket, an area not previously investigated. The placement of one optional soil boring (SB-J, GSC Figure 1) will be left to the discretion of the successful bidder for additional delineation and/or data evaluation based on field observations. The locations of the proposed soil borings are shown on GSC Figure 1.

The soil borings should be advanced to the bedrock surface or direct-push refusal. If direct push refusal is encountered at a depth reasonably interpreted to be well above bedrock, a second attempt to reach bedrock will be made. Continuous geological logs should be prepared by a Professional Geologist licensed in the Commonwealth for each boring using standard and consistent classification system procedures (e.g., Modified Burmister or USCS). Soil samples should be screened at two-foot intervals with a PID (using Headspace measurements).

For each soil boring, two discrete soil samples should be collected from:

A depth interval with a PID response significantly greater than the typical reading for that boring and that has a PID response greater than 100 ppm (if present), and/or

A depth coincident with the water table, and/or

The soil/bedrock interface.

Assume for the purpose of this RFB that two soil samples will be collected from each of the ten soil borings. Soil samples will be collected in laboratory-provided containers in accordance with EPA Method 5035 and analyzed for the substances on the new short list for unleaded gasoline (benzene, cumene, ethylbenzene, MTBE, naphthalene, toluene, total xylenes, 1,2,4-trimethylbenzene and 1,3,5,- trimethylbenzene) by Method SW846 8260 by a PADEP-certified laboratory.

In addition to the petroleum analytical samples, representative discrete soil samples should be collected and conveyed to a laboratory for grain size analysis including quantification of silt and clay content and fraction organic carbon. Assume for the purpose of this RFB, that four soil samples will be collected and analyzed based on the stratigraphy and soil types observed during the soil sampling.

8. **Vapor Intrusion Investigation:** Four soil vapor sampling points (SVP-1 through SVP-4) shall be installed. The locations of the proposed oil vapor points SVP-1 and SVP-2 will be located along the front of the Craig's Food Mart building to evaluate vapor intrusion into the Site building. Soil vapor points SVP-3 and SVP-4 will be located on the west and east side of the pump islands to evaluate soil vapor in the vicinity of known soil impacts. Approximate locations depending on utilities for SVP-1 through SVP-4 are shown on GSC Figure 1.

   Each SVP shall be installed in a two-inch diameter soil boring installed to a depth greater than three feet below grade but above the water table. The SVP assembly (which consists of Teflon tubing, connected to a six-inch long stainless steel mesh screen by a barbed or compression-type fitting, and an anchor that is threaded onto the bottom of the screen) should be lowered into the borehole until the anchor is set in a six-inch deep sand sump placed at the bottom of the borehole. Sand is then poured into the boring to no more than six inches above the top of the screen. Bentonite chips are then poured

on top of the sand and hydrated to a depth of about six inches below grade. Flush-mounted manhole is then installed to protect the points from damage. An alternative may also be proposed to this assembly that will allow for the collection of discrete samples.

Two rounds of samples shall be collected from each soil vapor sampling point. The samples should be collected at least 30 days apart. Soil vapor samples shall be collected in 6-liter laboratory-provided stainless steel evacuated cylinders connected to laboratory-calibrated flow controllers set to a maximum flow rate of 200 ml/min. QA/QC will consist of an ambient air sample. All samples shall be analyzed for the substances on the new shortlist of PaDEP unleaded gasoline substances (benzene, cumene, ethylbenzene, MTBE, naphthalene, toluene, total xylenes, 1,2,4-trimethylbenzene and 1,3,5,- trimethylbenzene) by EPA Method TO-15 by a NELAP-certified laboratory.

Soil vapor sampling results will be compared to the soil vapor guidance values. The soil vapor guidance values represent an attenuation factor of 100 times the Residential Indoor Air Medium-Specific Concentrations (MSCs) referenced in Table 3 (Appendix D) of the *Land Recycling Program Technical Guidance Manual – Section IV.A.4 – Vapor Intrusion in Buildings from Groundwater and Soil under the Act 2 Statewide Health Standard).*

9. **Licensed Professional Land Survey of Site / Base Map Preparation:** After all investigation activities, conduct a professional survey of the site by a Pennsylvania-licensed land surveyor. Survey should include all principal site features (e.g., buildings, property boundaries, dispensers, paved areas, gravel and or concrete areas, conveyance lines (if known), soil borings, SVPs, and groundwater monitoring wells, etc.) and features identified in the engineering evaluation (Item 3). The base map shall show uses of adjoining properties and include the locations and elevations of soil borings and the tops of casing of the monitoring wells.

10. **Single Well Aquifer Test:** Single well hydraulic testing ("slug tests") should be performed on the five monitoring wells. Both rising head and falling head tests should be performed in accordance with standard industry practices and applicable guidance. The aquifer test data should be analyzed by a Professional Geologist licensed in the Commonwealth of Pennsylvania using standard industry practices and applicable guidance.

11. **Receptor Survey:** For potential future remedial actions, a receptor survey is required. The following tasks must be completed:

    a. Review the PA Groundwater Information System (PAGWIS) records available from the PA Topographic and Geologic Survey website. This task shall include plotting all recorded wells within a ½-mile radius of the Site on a map and including a copy of the database records for that search distance in an appendix to the Supplemental SCR.

    b. Local water authority records (if any) should be searched to determine whether all properties within 500 feet of the site are connected to and using public water.

    A door-to-door survey of the adjoining and downgradient properties (for a distance of 500 feet from the downgradient property line) shall be performed to investigate whether there are private water supply wells present on the property. One attempt should be made to contact each property owner to interview or schedule an interview. If contact can not be made, visual reconnaissance of the property should be conducted from public rights-of-way to determine if any obvious signs of a water supply well are evident.

12. **Waste Management and Disposal:** The Bidder shall properly handle groundwater (and SPL if necessary) produced by well development and purging activities and soil produced by soil boring and monitoring well installation activities in accordance with industry standard practices and practices accepted by the Regional PaDEP office and applicable laws and regulations. Bidder is also responsible for sampling and analyzing the waste to determine proper means of disposal as necessary and then coordinating the proper disposal of the waste in a timely fashion. For this solicitation, please provide unit prices for disposal and assume that five soil drums (non-hazardous) and three groundwater drums (non-hazardous) will be generated as part of the activities described in this scope of work.

    Additionally, there is one unmarked drum from the previous characterization work located at the Site. For purposes of this RFB, the bidder shall assume the drum contains soil cuttings or purge water and will handle this drum using the unit costs above

13. **Reporting:** The Bidder shall prepare a Supplemental SCR documenting the results of the successful bidder's site characterization work. The format and content of the report shall be generally consistent with 25 PA Code §245.309 and shall include, as applicable, recommended follow-up site characterization activities along with rationale. The report shall include groundwater potentiometric surface maps of the soil groundwater system superimposed on a map showing utility elevations (e.g., catch basin inverts, manhole inverts, base of the drainage vault, etc.). The report shall also include plume maps of all constituents above the residential SHS, as well as posted soil results maps. The Supplemental SCR shall be sealed by a Professional Geologist licensed in the Commonwealth of Pennsylvania. A draft Supplemental SCR shall be submitted electronically (in Adobe PDF format) and in hard copy to the Solicitor and ICF Claims Handler for review / comment prior to finalizing the Supplemental SCR. Once the successful bidder has addressed comments on the draft, the successful bidder shall finalize and issue the report to PaDEP. All AutoCAD maps / plans included in the report (e.g., site plan / base map, groundwater elevation maps, dissolved plume maps, and soil contaminant distribution maps) shall also be submitted electronically (in AutoCAD format) on CD to the Solicitor and ICF Claims Handler. Additionally, electronic copies of all data tables shall be submitted in the format of the application used to create them (e.g., MS Excel) on CD to the Solicitor and ICF Claims Handler.

14. **PaDEP Disapproval Letter Cross Reference:** The bidder must address all of the PaDEP's comments in the Supplemental SCR. This SOW has been reviewed by the PaDEP and should provide the necessary data and information. The appropriate item of the SOW is noted below as a cross reference.

"1. Soil Boring [SB-10], which is located near the upgradient gasoline pump, indicates several gasoline constituents present in soil in concentrations exceeding the Statewide Health Standard.
2. Another soil boring should be installed as close as possible to [SB-10], since odors were observed at depth and [SB-9] met shallow refusal."

Refer to SOW 7.

"3. At least one additional well should be installed to the south of the pump island to better define the contaminated area in question.

"4. Well construction and depths are suspect, since the water level in monitoring well [MW-1] (~119 feet bgs) was above the screened interval (~150 feet bgs)." here is a significant thickness of soil also needs to be considered.""

Refer to SOW 4, 5, and 6.

"5. According to "The Geology of Pennsylvania", the bedrock geology in this area is noted as the Llewellyn Formation and not the Pottsville formation."

A section in the Supplemental SCR (Refer to SOW 13) should discuss regional and site geology.

15. Other Bid Document Comments:

The Scope of Work as described above shall be conducted in accordance with industry standards and practices, and shall be consistent with PaDEP laws, regulations, guidance and Department directives. (One of the documents to be considered is the PaDEP Groundwater Monitoring Guidance Manual, Document No. 383-3000-001 dated December 1, 2001).

In addition to the SOW tasks specified above, the selected consultant shall also be responsible for coordinating, managing and completing the proper management, characterization, handling, treatment, and/or disposal of all impacted soils, water, and derivative wastes generated during the implementation of this SOW in accordance with standard industry practices and applicable laws, regulations, guidance, and PADEP directives. Waste characterization and disposal documentation (e.g., manifests) shall be maintained and provided to the Solicitor upon request. Waste disposal costs shall be included in the fixed-price quote.

Because site characterization is an iterative process with each phase of characterization being shaped by the results of the previous phase, it is anticipated that there may be deviations from and modifications to this Scope of Work during the project. These changes will be handled in accordance with Section E below.

Each bidder should carefully review the existing site information provided in Attachment 1 to this RFB and seek out other appropriate sources of information to develop a cost estimate and schedule leading up to and including preparing the Supplemental SCR. There is no prequalification process for bidding. Therefore, bids that demonstrate a command of existing site information and demonstrate an understanding of standard industry practices will be regarded as responsive to this solicitation.

E. TYPE OF CONTRACT / PRICING

The Solicitor wishes to execute a mutually agreeable Fixed Price contract (Remediation Agreement). A copy of the standard Remediation Agreement is included as Attachment 3 to this RFB solicitation. This sample agreement has been previously employed by other Solicitors on other USTIF-funded claims. The bidder must identify in the bid response document any modifications that they wish to propose to the Remediation Agreement language in Attachment 3 other than obvious modifications to fit this RFB (e.g., names and dates). The number and scope of any modifications to the standard agreement will be one

of the criteria used to evaluate the bid. **All bid responses must clearly and unambiguously state whether the bidder accepts the Remediation Agreement included in Attachment 3 "as is," or provide a cross-referenced list of requested changes to this agreement.** Any requested changes to the agreement should be specified in the bid response, however, these changes will need to be reviewed and agreed upon by both the Solicitor and the USTIF.

The Remediation Agreement costs shall be based on unit prices for labor, equipment, materials, subcontractors/vendors and other direct costs. The total cost quoted by the successful bidder will be the maximum amount to be paid by the Solicitor unless a change in scope is authorized and determined to be reasonable, necessary, and appropriate. As stated in Section D, it is anticipated that there may be deviations from and modifications to this Scope of Work during the project. The Remediation Agreement states that any significant changes to the Scope of Work will require approval by the Solicitor, USTIF, and PaDEP.

The bidder shall provide its bid using the format identified in Attachment 2 with brief descriptions provided for each task provided in the body of the bid document. In addition to Attachment 2, the bidder shall provide a unit rate schedule that will be used for any out-of-scope work on this project. An electronic version of the cost spreadsheets included in Attachment 2 (in Microsoft Excel format) have been provided.

The successful bidder's work to complete the Supplemental SCR under the USTIF claim will be subject to ongoing review by the Solicitor and USTIF or its representatives to assess whether the work has been completed and the associated incurred costs are reasonable, necessary, and appropriate.

In order to facilitate USTIF's review and reimbursement of invoices submitted under this claim, the Solicitor requires that project costs be invoiced by the tasks identified in the bid. The standard practice of tracking total cumulative costs by bid task will also be required to facilitate invoice review.

Each bid package received will be assumed to be valid for a period of up to 120 days after receipt unless otherwise noted. The costs quoted in the bid and the rate schedule will be assumed to be valid for the duration of the Supplemental Site Characterization Activities contract.

F. BID RESPONSE DOCUMENT

Each bid response document must:

1. Include a demonstration of the bidder's understanding of the existing site information provided in this RFB, standard industry practices, and the objectives of the project.

2. Identify the bidder's approach to achieving project objectives (implementing the SOW) efficiently.

3. Include a cost estimate and schedule for work up to and completing the Supplemental SCR.

4. Provide Fixed Price bid pricing using the standardized format in Attachment 2 including a rate schedule for any out-of-scope work. The following information relating to the bid pricing should be included on Attachment 2 or discussed in the body of the bid document:

    a. The bidder's proposed unit cost rates for each expected labor category, subcontractors, other direct costs, and equipment;

    b. The bidder's proposed markup on other direct costs and subcontractors (if any);

    c. Estimated cost by task and total costs must be defined within the proposal text and on Attachment 2; and

    d. The bidder's estimated total cost by task consistent with the proposed Scope of Work identifying all level-of-effort and costing assumptions.

5. Include documentation of the bidder's level of insurance consistent with the levels listed in Attachment 3[4];

6. Identify the names of the proposed project team for the key project staff, including the proposed Professional Geologist and Professional Engineer (if applicable) of Record who will be responsible for overseeing the work and applying a professional geologist's seal to the project deliverables. The inclusion of brief resumes of key project team members is necessary.

7. Include answers to the following specific questions:

    a. How many Chapter 245 Corrective Action projects in the State has your company and/or the Pennsylvania licensed P.G. closed after the completion and acceptance of an SCR, RAP and RACR (i.e., obtained relief from liability from the PaDEP) using the Statewide Health or Site Specific Standards? Please list up to five.

    b. How many Chapter 250 Corrective Action projects in the State has your company and/or the Pennsylvania licensed P.G. closed (i.e., obtained relief from liability from the PaDEP) using the Statewide Health or Site Specific Standards? Please list up to five.

    c. Has your firm ever been a party to a terminated USTIF-funded Fixed-Price (FP) or Pay-for-Performance (PFP) contract without attaining all of the Milestones? If so, please explain, including whether the conditions of the FP or PFP contract were met.

8. Identify and sufficiently describe subcontractor involvement by task.

9. Provide a detailed schedule of activities for completing the proposed Scope of Work inclusive of reasonable assumptions regarding the timing and duration of client and PaDEP reviews (if any) needed to complete the Scope of Work. Details on such items

[4] The successful bidder agrees and shall submit evidence to the Solicitor before beginning work that bidder has procured and will maintain Workers Compensation; commercial general and contractual liability; commercial automobile liability; and professional liability insurance commensurate with the level stated in the Remediation Agreement and commensurate with industry standards for the work to be performed.

as proposed meetings and work product submittals shall also be reflected in the schedule.

10. Describe your approach to working with the PaDEP from project inception to submittal of the Supplemental SCR.

11. Describe how the Solicitor and ICF / USTIF will be kept informed as to project progress and developments and how the Solicitor (or designee) will be informed of, and participate in evaluating technical issues that may arise during this project.

12. Identify key assumptions made in formulating the proposed cost estimate. The use of overly narrow assumptions will negatively impact the bid.

13. Identify any exceptions or special conditions applicable to the proposed Scope of Work.

14. Include quotations from major subcontractors.

15. Identify all level-of-effort and costing assumptions.

G. MANDATORY SITE VISIT

THERE WILL BE A MANDATORY SITE MEETING ON OCTOBER 6, 2010. The Solicitor, the Technical Contact, or their designee will be at the site between 11:00 am and 1:00 pm to answer questions and conduct a site tour for one participant per firm. This meeting is mandatory for all bidders – no exceptions. This meeting will allow each bidding firm to inspect the site and evaluate site conditions. **A CONFIRMATION OF YOUR INTENT TO ATTEND THIS MEETING IS REQUESTED TO BE PROVIDED TO THE TECHNICAL CONTACT VIA E-MAIL BY OCTOBER 1, 2010 WITH THE SUBJECT "CRAIG'S SUNOCO 2009-0028 – SITE MEETING ATTENDANCE CONFIRMATION".** The name and contact information of the company participant should be included in the body of the e-mail.