

# COMPETITIVE FIXED-PRICE BID SOLICITATION

## REVISED REMEDIAL ACTION PLAN PREPARATION, SOIL AND GROUNDWATER ATTAINMENT, AND SITE CLOSURE ACTIVITIES

FORMER BARNESBORO BEST  
ROUTE 219 (Crawford Avenue)  
NORTHERN CAMBRIA,  
CAMBRIA COUNTY, PENNSYLVANIA 15714

PADEP FACILITY ID #11-11384  
PAUSTIF CLAIM #1997-0125(F)

*August 9, 2010*

This Request for Bid (RFB) Solicitation has been issued by the Pennsylvania Underground Storage Tank Indemnification Fund (PAUSTIF or "Fund") on behalf of the Claimant, Mr. Chris Davidson of Ebensburg Oil & Gas Company (Ebensburg Oil & Gas), who hereafter is referred to as "Client" or "Solicitor". In general, this RFB references a scope of work (SOW) for preparing a Revised Remedial Action Plan (RRAP), soil and groundwater attainment, and site closure activities at a recently redeveloped site now occupied by a Sheetz retail fuel sales / convenience store facility. The subject "Site" is the former Barnesboro Best facility located at 4025 Crawford Avenue (Route 219) in Northern Cambria, Cambria County, PA.

The Solicitor has elected to pursue Site environmental closure under Pennsylvania's storage tank regulations based on demonstrating attainment of the Pennsylvania Department of Environmental Protection (PADEP) Act 2 used aquifer Statewide Health Standard (SHS) Medium-Specific Concentrations (MSCs) for soil and groundwater in a residential setting. Implementation of the RFB SOW is expected to yield data sufficient to identify a rational and cost effective remedial solution that will achieve site closure and a relief of liability under PADEP Act 2 regulations. SOW (Tasks 1 through 10) described below will be subject to a Fixed-Price Agreement (see Attachment 2) to be executed by Solicitor and the selected consultant.

Solicitor requests a written approach, schedule, and firm fixed-price bid to complete the SOW tasks to be completed in accordance with all applicable PADEP rules and regulations. Although not a party to this Agreement, the Fund will reimburse 100 percent of the reasonable, necessary, and appropriate costs referenced in the Milestone Payment Schedule specified in Section 4 below and as incorporated into the signed Fixed-Price Agreement.

- Task 1. Site Professional Survey
- Task 2. Geophysical Survey
- Task 3. Soil Attainment Sampling
- Task 4. Installation of Overburden Groundwater Monitoring Wells
- Task 5. Groundwater Monitoring and Sampling
- Task 6. Soil Vapor Study
- Task 7. Prepare a Draft and Final RRAP (including Attainment Demonstration)
- Task 8. Groundwater Attainment
- Task 9. Prepare a Draft and Final Remedial Action Completion Report (RACR)
- Task 10. Site Closure / Restoration Activities

Please note that a **bidder's response to this RFB Solicitation Package means it has accepted all the contractual terms and SOW requirements (for example, but not limited to, any report submittal**

**deadlines) unless explicitly stated to the contrary in the bid response.** However, bidders are still expected to describe their approach to completing the SOW in full and in detail.

Should your company elect to respond to this RFB Solicitation, **one hard copy of the signed bid package must be provided directly to the Funds' third-party administrator, ICF International (ICFI),** at the address and to the attention of the person identified in Section 1 below. In addition to this one hard copy submittal, **one electronic (PDF) copy of the complete bid response must be submitted to ICFI on a compact disk (CD)** to be included with the hard copy bid response. The outside of the shipping package containing the bid response **must be clearly marked and labeled with "Bid – Claim #1997-0125(F)."**

Please note that **the bid response (hard copy or digital version) is to be sent only to ICFI** who will be responsible for opening the bids and providing copies to the Technical Contact and the Solicitor. No bid responses will be opened for review until the due date and time elapses. No portion or element of any bid response will be distributed by ICFI to any party other than the Solicitor, the Technical Contact, and PAUSTIF.

The signed bid package (hard copy and electronic copy) sent to ICFI must arrive **no later than close of business (5 p.m.) on September 24, 2010.** Please note that if your bid response is not received by ICFI by this due date and time, it will not be considered, i.e., only those bid responses received by the specified due date and time from those bidders who also attended the mandatory pre-bid site visit (see Section 6) will be considered.

Each bid response will be considered individually and consistent with the evaluation process described in the PAUSTIF Competitive Bidding Fact Sheet, which can be downloaded from the PAUSTIF web site (see [www.ins.state.pa.us](http://www.ins.state.pa.us)). While the Technical Contact will assist ICFI, PAUSTIF, and the Solicitor in evaluating the bid responses, the Solicitor will select his consultant from those bid responses deemed acceptable to PAUSTIF as reasonable, necessary, and appropriate. The Technical Contact will assist the Solicitor in communicating its choice of the successful bidder, which is anticipated to occur within six (6) weeks after receiving the bid responses.

#### 1. ICFI, SOLICITOR, AND TECHNICAL CONTACT INFORMATION

ICF International	Solicitor	Technical Contact
Ms. Jennifer Goodyear ICF International 4000 Vine Street Middletown, PA 17057	Mr. Chris Davidson Ebensburg Oil & Gas Company PO Box 87 Ebensburg, PA 15931	Mr. Joseph Ozog, Jr., P.G. Excalibur Group, LLC 91 Park Avenue Windber, PA 15963 <a href="mailto:joezog@excaliburgpllc.com">joezog@excaliburgpllc.com</a>

Please note that **there is a single point of contact regarding this RFB Solicitation.** All questions regarding this RFB Solicitation and the site conditions must be directed in **written form only** to the **Technical Contact** and must be received no later than seven (7) calendar days prior to the due date for the bid response. To help ensure that all bidders are basing their bids on the same information, bidders must neither contact nor discuss this RFB Solicitation with the Solicitors, PAUSTIF, or ICFI unless agreed to in writing by the Technical Contact. This RFB Solicitation may be discussed with subcontractors and vendors to the extent required for preparing the bid response. If a bidder has specific questions it wishes to discuss with the PADEP, these questions should be provided to the Technical Contact who will forward them to the PADEP recognizing that the PADEP is not under any obligation and may elect not to reply to any questions it receives.

Please note that unless a question can be successfully demonstrated to be proprietary in nature, all submitted questions and responses submitted during and after the pre-bid site visit will be shared with all bidders on a non-attributable basis. A bidder shall specify any questions it regards as proprietary upon submitting these questions to the Technical Contact. If said question(s) is (are) determined to be non-proprietary by the Solicitor and the Technical Contact, the bidder will be given the option of withdrawing its question(s) before it is answered and a response distributed.

## **2. GENERAL SITE BACKGROUND AND DESCRIPTION**

The Barnesboro Best facility was formerly located at 4013 Crawford Avenue (Route 219) within the town of Northern Cambria, PA (See Figure 1). The former Barnesboro Best facility occupied the site for approximately 25 to 30 years, then in early 2008 the solicitor sold the property to Sheetz, Inc. In the spring of 2008, Sheetz began redevelopment of the subject site (along with adjoining properties) such that it could be occupied by a larger Sheetz retail fuel / convenience store facility. Under the redeveloped condition today, the Site is only a portion of the larger Sheetz facility. The approximate boundaries of the site after redevelopment are shown on Figures 2 & 4. The Site is currently bordered to the northwest by the right-of-way for Route 219 (Crawford Avenue); to the north/northeast and southeast by other portions of the Sheetz facility; and to the southwest by an apartment building. Below-grade utilities in the area of the subject property consist of public water, sanitary sewer, storm sewer and electric service, but the locations of these utilities (and the fuel dispensing piping) are not known with certainty.

The release (basis for this USTIF claim) occurred in April 1997 during the removal of four underground storage tanks (USTs) and associated product piping. The release is claimed to have occurred at the former tank cavity, where holes were discovered at two of the four removed USTs and from spills at the dispenser island<sup>1</sup>. During the UST closure activities, approximately 700 tons of gasoline impacted soils were removed for disposal. Following UST closure activities, three new USTs were installed at the same location as the four removed USTs. Site characterization and interim remedial activities were performed by Chamber's Environmental Group, Inc. (CEG) from February 1998 to April 2001, and included the advancement of 20 soil borings (SB-1 through SB-15, MW-5R, MW-6R, MW-7R, MW-8, and MW-9); installation of nine on-site (MW-1 through MW-9) and one off-site (MW-10) shallow groundwater monitoring wells; installation of three on-site (BMW-12, BMW-13, and BMW-14) and one off-site (BMW-10) bedrock groundwater monitoring wells; installation of a groundwater recovery trench along with five recovery wells; soil and groundwater sampling / analysis; aquifer testing; and remedial feasibility testing. During excavation of the recovery trench, approximately 300 tons of impacted soils were removed for disposal. Monitoring wells MW-5R, MW-6R, and MW-7R were replacement wells to the original wells (MW-5, MW-6, and MW-7) destroyed during installation of the recovery trench.

Site remedial activities were conducted from April 2001 through to January 2008 and consisted of operating a groundwater pump and treat system coupled with soil vapor extraction and air sparge (SVE/AS) systems. Quarterly groundwater monitoring and reporting was conducted from initial well installations in 1998 through to the 3<sup>rd</sup> quarter 2007. During remedial and quarterly monitoring activities, ATC Associates, Inc (ATC) replaced the original consultant of record, CEG in October 2004.

In November 2007, two fuel oil above-ground tanks (ASTs) along with two gasoline USTs (one 8,000-gallon and one 6,000-gallon, installed in 1997) including associated piping and a dispenser island were removed from the site due to the closing of the facility and sale of the property to Sheetz. Piping and tanks associated with the gasoline UST system were in "excellent condition"; however, contaminated soils and groundwater were encountered during the UST closure activities, which is believed to be from

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<sup>1</sup> Underground Storage Tank System Closure Report Form, prepared by Ryan Environmental, Inc., dated May 15, 1997.

a prior release under remediation.<sup>2</sup> Following the November 2007 UST closure activities, ATC performed a soil boring investigation around the former dispenser island to determine the extent of gasoline impacted soils for a planned removal and disposal of excessively contaminated soils. These activities included advancing six soil borings and collecting and analyzing 10 soil samples. Sample results were either “non-detect” or gasoline constituent concentrations were well below PADEP Statewide Health Standards (SHS). ATC reported they had sufficiently delineated the site soil contamination.

In January 2008, ATC performed source soil removal activities in the area of the former gasoline dispenser island which consisted of the removal and off-site disposal of ~785 tons of excessively contaminated soils. However, none of the post excavation soil sampling information has been produced in any written document for the purposes of validation and demonstration of attainment to PADEP<sup>3</sup>.

In early March 2008, during site redevelopment activities for the new Sheetz facility, an abandoned 3,000-gallon UST was discovered near the southwest corner of the former site building, which was reportedly used for either waste oil or heating oil and last used in the 1980's.<sup>4</sup> Once the waste oil or heating oil tank was exhumed, the soil surrounding the abandoned tank was found to be stained black and there was an oily product on groundwater.<sup>5</sup> The former location of this abandoned waste oil or heating oil tank is shown on Figures 3 & 4. Following the March 2008 discovery and removal of the abandoned waste oil or heating oil tank, ATC supervised the excavation / removal of impacted soils, which included an additional ~1,520 tons of soil being removed from the site for off-site disposal. According to ATC, the analysis from confirmation soil samples indicated that the “remediation was successful”.<sup>67</sup> Due to the combination of site reconstruction and soil excavation activities, the entire on-site groundwater monitoring well network (MW-1 through MW-4, MW-5R, MW-6R, MW-7R, MW-8, MW-9, BMW-12, BMW-13, and BMW-14) was destroyed. The only monitoring wells remaining (currently existing) are MW-10 and BMW-10, located off-property to the northwest, across S.R. Route 219.

Bidders should refer to the accompanying electronic files for additional background information on this site (see Attachment 1 for a list of these documents).<sup>8</sup> No reports have been submitted to PADEP since the 4<sup>th</sup> quarter Remedial Action Progress Report (RAPR), and PADEP has requested either a up-to-date RAPR, new or modified RAP; or Remedial Action Completion Report (RACR) be submitted.<sup>9</sup> In light of the recent remedial activities and site redevelopment that have occurred at the site, and to move this project forward to site closure, it is necessary to prepare / submit a RRAP and bidders should carefully consider what information, analyses, and interpretations contained in Attachment 1 can be used to formulate and submit the RRAP.

### **3. SCOPE OF WORK OBJECTIVES**

This Solicitor seeks competitive, fixed-price bids to complete the 10 tasks outlined below. Bidders should note that Site has been redeveloped and now belongs to a larger parcel owned, developed and operated by Sheetz, and the SOW outlined below is relevant only to the parcel of land once occupied by the Barnesboro Best facility (i.e., Site). **To be deemed responsive, each bid must respond in detail to**

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<sup>2</sup> Aboveground Storage Tank and Underground Storage Tank System Closure Report, prepared by DMS Environmental Services, LLC, dated November 2007.

<sup>3</sup> Bidders are to assume that soil attainment sampling as described in this RFB SOW will be necessary.

<sup>4</sup> Former use of the abandoned UST has yet to be determined.

<sup>5</sup> Pictures taken during the uncovering of the abandoned tank provided by ATC.

<sup>6</sup> Letter titled “Request for Invoice Review”, prepared by ATC, dated September 27, 2009.

<sup>7</sup> PADEP does not concur with the conclusion drawn by ATC. The confirmation soil sampling information has not been provided to PADEP.

<sup>8</sup> The best scanned-in version of each document available to the Technical Contact has been provided.

<sup>9</sup> PADEP Notice of Violation dated October 20, 2009.

**each of the SOW tasks**, including describing the bidder's understanding of the conceptual site model and how that model relates to the bidder's proposed approach to executing the SOW. In other words, bidders shall respond to the SOW as stated herein to enable as much of an "apples-to-apples" comparison of the bids as possible. Recommendations for changes to the SOW should be discussed and quantified separately. **Failure to bid the SOW as is may result in a bid not being considered.**

Once the contract is signed, any modification to the selected consultant's SOW for Tasks 1 through 10 will require prior written approval by the Solicitor **and PAUSTIF** through its third-party administrator, and may require PADEP pre-approval.

The selected consultant's approach to completing the SOW shall be in accordance with generally accepted industry standards / practices and all applicable federal, state, and local rules, guidance, directives, and regulations, including (but not limited to) satisfying the requirements of the Storage Tank and Spill Prevention Act (Act 32 of 1989, as amended), Pa. Code, Title 25, Chapter 245, and meeting and demonstrating attainment of the standards established under the Land Recycling and Environmental Remediation Standards Act (Act 2 of 1995) and Pa. Code, Chapter 250 (Administration of Land Recycling Program).

Per the Solicitor's request, the SOW covered by Tasks 1 through 7, including submitting a RRAP to the PADEP for review, must be completed within **5 months** following contract award. **Each bidder's proposed project schedule for Tasks 1 through 7 must meet this requirement clearly and unambiguously.** The project schedule must also specify no less than two (2) weeks for the Solicitor and PAUSTIF to review and comment on the draft RRAP before it is finalized and submitted to the PADEP for its review and comment. Tasks 8 through 10 would be performed following PADEP review and approval of the RRAP (Task 7). Therefore, the bid shall also include time to address any PADEP comments received on the RRAP.

In addition to the SOW tasks specified below, the selected consultant shall also:

- Complete necessary, reasonable, and appropriate project planning and management activities until the SOW specified in the executed contract has been completed. Such activities would be expected to include client communications/updates, meetings, record keeping, subcontracting, personnel and subcontractor management, quality assurance/quality control, scheduling, and other activities (e.g., utility location, etc.). Project planning and management activities will also include preparing and implementing plans for Health and Safety, Waste Management, Field Sampling/Analysis, and/or other plans that may be required by regulations or that may be necessary and appropriate to complete the SOW. Project management costs shall be included in the fixed-price quoted for Tasks 1 through 10, as appropriate.
- 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 quoted for Tasks 1 through 10, as appropriate.
- Be responsible for providing the Solicitor with adequate advance notice prior to each visit to the property. The purpose of this notification is to coordinate with the Solicitor to ensure that appropriate areas of the property are accessible. Return visits to the site prompted by a failure to make the necessary logistical arrangements in advance will **not** constitute a change in the selected consultant's SOW or total project cost for Tasks 1 through 10.

- Be responsible for keeping all wells in good condition, with each well properly sealed and locked in-between each monitoring/sampling event. The selected consultant is responsible for repairing any seals or locks that become defective during the period of this contract at its expense; however, should a well become damaged or destroyed through no fault of the contractor, the Solicitor may request that the selected consultant repair or replace the well as an amendment to this SOW subject to the rate schedule provided in the selected consultant's bid response. Any request for Fund reimbursement of the reasonable costs to repair or replace a well will be considered on a case-by-case basis.
- Be responsible for securing access agreements with Sheetz, Inc. (current owner of the subject site) and with the separate owner of the property occupied by Giant Eagle, located to the northwest, across Route 219 (Crawford Avenue) prior to beginning any of the SOW task described below. Sheetz is not a party to this claim; however, it is our understanding that Sheetz is cooperative with the claimant and ICFI/PAUSTIF and is interested in environmental closure for the site it now owns. It is our understanding Sheetz will review and consider the successful bidder's template access agreement. Access to the off-site monitoring wells MW-10 and BMW-10 on the Giant Eagle property is to be acquired for the purpose of routine groundwater monitoring and sampling and well abandonment activities. It is our understanding that the property owner has been cooperative with allowing access to these wells with the previous consultants. Bids shall anticipate and include the level of effort / costs involved with all elements of securing access to both properties. The costs associated with site access shall be included in the fixed-price quoted for Task 1 below.

**Task 1 – Developed Updated Site Map.** The Site and surrounding properties have been completely redeveloped, and none of the former on-site features and groundwater monitoring wells currently exists. Therefore, under this task, bidders shall provide a firm, fixed-price quote for developing a new site map based on the Sheetz site plan accompanying this RFB and ground truth measurements on-site. Work under this task should include, but is not necessarily limited to including the following:

- Confirming mapped property boundaries, roadway right-of-ways, site features (e.g. buildings, fueling islands, etc.), and above and below grade utilities<sup>10</sup>;
- Mapping / surveying locations and ground surface elevations for the two existing off-property groundwater monitoring wells, soil borings completed under Task 3, and monitoring wells to be completed under Task 4; and
- Surveying top-of-casing (PVC riser pipe) elevations for the two existing off-property monitoring wells and the additional monitoring wells that are to be installed (Task 4).

Surveyed monitoring well locations should include northing and easting coordinates. All elevations should be based on the nearest USGS benchmark and recorded to the nearest 0.01 foot. Results of the mapping and professional survey should be displayed on an appropriately scaled site plan to be included in the RRAP. The site map shall overlay the Former Barnesboro's Best site features and boundaries within the Sheetz facility.

**Task 2 – Geophysical Survey.** Under this task, bidders shall conduct a geophysical survey encompassing the areas shown on Figure 4 in order to position the soil borings to address soil attainment (Task 3), and proposed location(s) for the groundwater monitoring wells (Task 4) outside of these areas. The bidder shall select the appropriate geophysical method(s) to locate and map the now hidden and undocumented boundaries for the previous soil excavation activities associated with the former dispenser

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<sup>10</sup> Focusing only on the portion of the Sheetz property once occupied by the former Barnesboro Best facility.

island, associated gasoline UST cavity and Sheetz stormwater management system. For the purposes of avoiding subsurface engineered features and other previously excavated / disturbed areas during soil attainment sampling, the geophysical survey shall also locate / delineate Sheetz' below-grade stormwater management system (installed in the area of the former dispenser island), buried utilities, and the waste oil tank excavation boundaries. Existing Sheetz storm water catch basins associated with this features should be useful in locating the buried piping components. The findings from the geophysical survey will be used to appropriately position the systematic random soil sampling grid and soil borings outside the excavated area as described in Task 3. Additionally, the results of the geophysical survey shall be used by the successful bidder to adjust the location of depicted current and historical site features on the scaled site map and to avoid encountering buried utilities during drilling activities<sup>11</sup>. The conduct and results of the geophysical survey shall be described in the RRAP (Task 7).

**Task 3 – Soil Attainment.** Under this task, bidders shall develop and implement a soil boring program for systematic random soil sampling to establish attainment of the soil SHS. Since late 2007, there have been at least three separate soil excavations in the area of the unleaded gasoline release – 1) remedial excavation to remove impacted soils in the area surrounding the former dispenser island and UST field in early 2008; 2) remedial excavation to impacted soils associated with the former abandoned waste oil UST; and 3) a soil excavation for the installation of a storm water management system. The approximate boundaries of the remedial excavations along with the location of the storm water management system are shown on Figure 4. Given the extensive area of soil removed from the former unleaded gasoline source area through the unsaturated zone, the systematic random soil sampling attainment program shall be completed around the perimeter of the composite excavation area (comprising the dispenser island excavation, former gasoline UST cavity, and existing storm water management system, see Figure 4. Each bid shall assume advancing twelve (12) soil borings along the perimeter shown on Figure 4, taking in consideration the results of the geophysical survey (Task 2). The intent is to collect soil samples at randomly selected locations / depths along the perimeter from borings completed in native material as close to the former excavations as can be accomplished safely and without risking damage to the below grade storm water management system and other utilities in this area.

Soil samples from each boring shall be collected from the unsaturated and periodically saturated soils. Given that historical water levels from the former monitoring wells ranged 2 to 9 feet, bidders shall assume the systematic random sampling grid would be extended to a 9-foot depth of permanent saturation. Bidders shall assume some borings may need to be completed to 9 feet but others will be much shallower depending on the randomly selected locations on the grid.

In addition to contacting PA One Call and completing the Task 2 geophysical survey, bidders shall assume clearing and sampling each boring location using a hand auger. Once cleared, each soil boring shall be advanced using direct-push drilling and sampling methods.

The location / depth of the soil samples shall be determined using PADEP's systematic random sampling procedures, assuming one soil sample per boring shall be submitted for laboratory analysis (12 total). Soil samples shall be analyzed for the **pre**-March 2008 PADEP short list of leaded and unleaded gasoline parameters (excluding 1,2,4- and 1,3,5-trimethylbenzenes).<sup>12</sup> Appropriate quality assurance/quality control (QA/QC) samples shall also be obtained for laboratory analysis. The soil sampling results shall be

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<sup>11</sup> Geophysical used in combination with other utility clearance activities such as the PA One Call notification and the use of location-specific borehole clearance methods.

<sup>12</sup> Given that the abandoned waste oil or heating oil UST was not qualified for PAUSTIF coverage, soil sampling will not include the PADEP waste oil or heating oil parameters. At this time PADEP is not requesting the sampling of these waste oil or heating oil parameters.

analyzed using PADEP's 75%/10x Ad Hoc Rule, which shall be discussed in detail in the RRAP (Task 7)<sup>13</sup>

Activities under Task 3 shall also include: (i) contacting the PA One Call System, Inc.; (ii) professional surveying of the soil boring locations and elevations for inclusion on the site plan; (iii) sealing each boring with bentonite and an asphalt or concrete surface patch after completion; and (iv) managing the drilling and personal protective equipment wastes in accordance with applicable regulations, guidance, and directives. The soil boring program methods and results shall be detailed in the RRAP to be prepared under Task 7.

**Task 4 – Installation of Overburden Groundwater Monitoring Wells.** Under this task, bidders shall provide a firm fixed-price cost for installing five shallow overburden groundwater monitoring wells on the subject property.<sup>14</sup> Locations for these five monitoring wells shall include one upgradient of the former gasoline UST field, one within the former unleaded gasoline source area (former dispenser island), and three (point-of-compliance [POC] wells) in the grassy area along the downgradient property line adjacent to the former remedial excavation for the unleaded gasoline release, but each bidder shall independently consider final locations relative to utilities, bidder's own interpretation of historical groundwater flow variations and configuration of the dissolved-phase plumes. If a bidder believes the five wells should be placed elsewhere, the bidder shall identify the alternative location(s) and provide rationale. The objectives for installing the overburden wells at the Site are to: (a) establish the current status of the dissolved-phase contaminants in the overburden groundwater within the unleaded gasoline source area and at the downgradient property line following the extensive source soil removal activities; and (b) provide points of compliance for groundwater attainment demonstration. Should additional wells be needed to accomplish horizontal delineation of the dissolved-phase plume, demonstrate attainment or for other purposes such work will be considered an out-of-scope task under the Fixed-Price Agreement, which will require Solicitor and PAUSTIF approval of a work plan and cost estimate before beginning the work.

Borings for the five shallow monitoring wells shall be advanced to intersect the shallow water-bearing zone intercepted by the former on-property monitoring wells. This interval is expected to be present at depths between 2 to 9 feet below grade based on the existing water level data. For cost estimating purposes, bidders shall assume that each shallow well borings will attain a depth of 15 feet below grade, although the total depth is likely to vary based on actual field conditions encountered. In the event that more or less drilling footage is required, bidders shall provide unit costs per foot inclusive of borehole advancement, logging, screening, and well installation.

Bidders shall assume advancing all monitoring well borings using standard hollow stem auger and continuous split-spoon sampling drilling methods. Continuous soil samples shall be examined in the field and described for lithology, groundwater occurrence, and potential staining / odor indicative of hydrocarbon contamination. Although the bid shall assume no soil samples will be collected from the monitoring well boreholes for laboratory analysis, the soil samples shall be screened in the field with a photoionization detector (PID). Should field screening and/or visual or olfactory observations suggest petroleum impacts to soil in these monitoring well locations, bidders shall quote a unit cost for sample collection and laboratory analysis as an option. If any soil samples are collected for laboratory analysis,

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<sup>13</sup> If the sampling data does not allow for attainment of the selected standards, and additional investigation work is required to delineate the horizontal and vertical extend of impacted soils, such work will be considered an out-of-scope task under the Fixed-Price Agreement, which will require Solicitor and PAUSTIF approval of a work plan and cost estimate before beginning the work.

<sup>14</sup> COC were historically "non-detect" in the former bedrock monitoring wells. Therefore, bedrock groundwater monitoring wells will not be replaced at this time. Should site data suggest additional vertical monitoring or delineation of the contaminant plume become necessary, this need will be considered as an out-of-scope task under the Fixed-Price Agreement, which will require Solicitor and PAUSTIF approval of a work plan and cost estimate before beginning the work.



these samples shall be analyzed for the pre-March 2008 PADEP short list of leaded and unleaded gasoline parameters, excluding 1,2,4- and 1,3,5-trimethylbenzenes.

The groundwater monitoring wells will be constructed in accordance with the PADEP Groundwater Monitoring Guidance Manual. Bidders shall assume constructing each well of 2-inch diameter Schedule 40 PVC casing and well screen. Final construction must ensure that the screened interval intersects the water table surface and accounts for seasonal groundwater fluctuations. For cost comparison purposes, bidders shall assume 10 feet of well screen (0.010-inch slot). Should any the wells be installed with a submerged screen, this newly installed well will be replaced at the selected consultant's sole expense.

Annulus materials shall consist of a filter-pack of silica sand extending to a height of approximately one to two feet above the top of the screen section overlain by a minimum 2.0 feet of hydrated bentonite pellets as a well seal. The remaining annulus shall be filled with a cement / bentonite slurry to within approximately one-foot below grade. Considering the suggested locations of the four monitoring wells, bidders shall assume surface finishing consisting of an expandable locking cap fitted to the top of the PVC riser and a flush-mounted traffic-rated manhole with a bolt-on lid. The flush-mounted manholes shall be set into a 2 ft by 2 ft concrete pad.

In addition to the new well installations, bidders shall include the fixed-price cost for abandoning the existing off-property bedrock well BMW-10. The well abandoning activities shall be conducted in accordance with the PADEP Groundwater Monitoring Guidance Manual.

Each bidder's fixed-price cost for this task shall account for: (i) identifying subsurface utilities and other buried features of concern including, but not necessarily limited to, contacting PA One Call and clearing each borehole location to a minimum depth of 5 feet using vacuum excavation; (ii) well development activities; (iii) management of investigation-derived wastes; and (iv) professional surveying of the new well locations and top-of-casing elevations. Well drilling / installation and development, and well abandoning activities along with supporting documentation (e.g., waste manifests, boring logs and construction details, well abandoning forms, etc.) shall be documented in the RRAP. Bidders shall manage groundwater generated by the well development activities in accordance with standard industry practices and applicable laws, regulations, guidance, and PADEP directives.

**Task 5 – Groundwater Monitoring and Sampling.** Under this task, bidders shall provide a firm fixed-price to complete two (2) groundwater monitoring and sampling events (an initial and a confirmatory monitoring and sampling event). Both groundwater monitoring and sampling events will include the newly installed on-site monitoring wells installed under Task 4, as well as the existing off-property overburden monitoring well MW-10. The conduct and results of these two events shall be documented in the RRAP.

The initial groundwater monitoring and sampling event shall be performed no later than two weeks, but no sooner than one week after installing and developing the four monitoring wells discussed under Task 4. The confirmatory monitoring and sampling event shall be conducted no less than four (4) and no more than six (6) weeks after the initial event. During each event, the depth to groundwater and any potential separate-phase hydrocarbons (SPH) shall be gauged in all available monitoring wells prior to purging any of the wells for sampling. Groundwater level measurements obtained from the monitoring wells during both events shall be converted to groundwater elevations for assessing groundwater flow direction and hydraulic gradient.

Each of the monitoring wells designated for sample collection during each event shall be purged and sampled in accordance with the PADEP Groundwater Monitoring Guidance Manual and standard industry practices. Any well exhibiting more than a sheen of SPH shall not be purged and sampled (no SPH is expected to be encountered). Bidders shall manage equipment decontamination fluids and groundwater generated by the well purging and sampling activities in accordance with standard industry practices and applicable laws, regulations, guidance, and PADEP directives.

Groundwater samples collected during these two events shall be analyzed for the **pre**-March 2008 PADEP short-list of leaded and unleaded gasoline parameters<sup>15</sup> by a PADEP-accredited laboratory using appropriate analytical methods and detection levels. Appropriate QA/QC samples shall also be collected during each event and analyzed for the same parameters.<sup>16</sup>

In addition, each event shall include field measurements for these natural attenuation parameters: pH, temperature, specific conductance, dissolved oxygen (measured in-situ), and oxidation/reduction potential. Laboratory analysis of the following suggested natural attenuation parameters shall be conducted on three well samples during the confirmatory sampling event only: dissolved manganese, ferrous iron, methane, nitrate nitrogen, sulfate, alkalinity, and microbial plate counts (heterotrophic and gasoline degraders). Bidders shall assume analyzing samples for these parameters from the well located upgradient, well installed within the former unleaded gasoline source area, and one of the three downgradient (POC) wells. However, bidders shall quote a per-well cost should more or fewer wells be selected for natural attenuation parameters sampling and analysis. The natural attenuation data shall be evaluated and included in the RRAP.

**Task 6 – Soil Vapor Study.** Under this task, bidders shall provide a fixed-price cost for conducting a soil vapor study *if* warranted after applying the decision matrices in the *Land Recycling Program Technical Guidance Manual – Section IV.A.4, Vapor Intrusion into Buildings from Soil and Groundwater*, and as dictated by factors such as the presence of SPH and/or the location / depth of any identified preferential pathways. Consequently, should a soil vapor study prove unnecessary at this site, the fixed-price quote for this task will be deducted from the Total Fixed Price referenced in the Fixed-Price Agreement; however, evaluation of the application of the decision matrices shall be included in the RRAP.

If a soil vapor study proves necessary, PADEP concurrence on the need for and scope of the study shall first be secured by submitting a Soil Vapor Sampling Plan for PADEP review and approval. This plan shall be consistent with the requirements, guidance, and decision matrices in the *Land Recycling Program Technical Guidance Manual – Section IV.A.4, Vapor Intrusion into Buildings from Soil and Groundwater*. Currently, absent knowing whether concentrations of the COC in the overburden groundwater exists in areas of the site, selecting proposed locations for the soil vapor monitoring points may be difficult. However, for the purpose of comparing cost quotes, bidders shall assume installing and sampling a total of two soil vapor monitoring points. In addition, bidders shall quote an all-inclusive unit price (installation and sampling) per soil vapor monitoring point should more or fewer monitoring points be needed. The installed soil vapor monitoring points shall be sampled twice with each sampling event separated by a period of at least four (4) weeks.

Each soil vapor sample shall be collected in pre-certified Summa canisters supplied by the analytical laboratory. The Summa canisters must be fitted with a properly calibrated regulator to allow an approximate 8-hour draw so that each sample represents an 8-hour time-weighted composite. All soil vapor samples shall be submitted to a PADEP-accredited laboratory for analysis of the PADEP **pre**-March 2008 unleaded gasoline parameters using appropriate analytical methods and detection levels. Soil vapor samples shall be analyzed by Method TO-15. Appropriate QA/QC samples shall also be collected and analyzed for the same unleaded gasoline compounds. The soil vapor study shall be described in the RRAP along with any recommendations regarding the necessity for an expanded vapor intrusion assessment inclusive of indoor air quality sampling, if appropriate.

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<sup>15</sup> Given that the abandoned waste oil or heating oil UST was not qualified for PAUSTIF coverage, groundwater sampling will not include the PADEP waste oil or heating oil parameters. At this time PADEP is not requesting the sampling of these waste oil or heating oil parameters.

<sup>16</sup> Each bidder's approach to implementing Task 5 shall clearly identify the number of sampling events, number of wells / samples per event, well purging and sampling method(s), QA/QC measures, analytes, and other key assumptions affecting the bid price.

**Task 7 – Prepare a Draft and Final RRAP (including Attainment Demonstration).** Upon completing Tasks 1 through 6 described above, the selected consultant will prepare a RRAP for review and comment by the Solicitor and PAUSTIF. This RRAP shall describe the change in remedial approach at the site necessitated by the Sheetz acquisition and redevelopment from the in-situ remedial approach described in the November 6, 1998 RAP (as amended April 14, 2000) to an ex-situ soil excavation approach already completed. The RRAP shall contain all necessary information required under 25 PA Code §§245.311 and be of sufficient quality and content to reasonably expect PADEP approval.

It is anticipated that the RRAP proposed next steps will be to perform up to 8 quarters of groundwater attainment demonstration monitoring activities leading into site closure (Task 8)<sup>17</sup>. The RRAP shall document, describe, and evaluate all findings provided from Tasks 1 through 6 above and incorporate information and data from the previous site documentation as the selected consultant deems appropriate. The document shall also: (a) contain all necessary figures, tabulated data, and appendices; (b) reference the selected remedial goal for soil and groundwater; (c) discuss the recommended site closure strategy and its viability for achieving the remedial goal within a reasonable time frame; (d) identify the proposed POC monitoring wells; and (e) present a detailed schedule for implementing the recommended remedial approach. The RRAP shall be signed and sealed by a Professional Geologist **and** a Professional Engineer registered in the Commonwealth of Pennsylvania.

Initially, the draft RRAP shall be submitted to the Solicitor and PAUSTIF for review and comment. Each bidder's project schedule shall provide two (2) weeks for Solicitor and PAUSTIF review of the draft document. The final RRAP shall address comments received from the Solicitor and PAUSTIF on the draft report before it is submitted to the PADEP for its review. The bidder's cost to complete this task shall also include time to address any PADEP comments on the RRAP.

**Task 8 – Groundwater Attainment.** Under this task, bidders shall provide a firm fixed-price to complete up to eight quarters of groundwater monitoring and sampling events following the completion of Task 7.<sup>18</sup> Each groundwater monitoring and sampling event shall only include the newly installed interior well installed within the former unleaded gasoline source area and the three newly installed on-site downgradient property line (presumed POC) monitoring wells (Task 4), and the downgradient off-property well MW-10. The conduct and results of each event shall be documented in quarterly Remedial Action Progress Reports (RAPRs).

During each quarterly groundwater monitoring and sampling event, the depth to groundwater shall be gauged in all existing available monitoring wells and prior to purging any of the wells for sampling. Groundwater level measurements obtained from the monitoring wells shall be converted to groundwater elevations for assessing groundwater flow direction and hydraulic gradient.

Each of the monitoring wells designated for sample collection shall be purged and sampled in accordance with the PADEP Groundwater Monitoring Guidance Manual and standard industry practices. Any well exhibiting a measurable thickness of SPH shall not be purged and sampled. Bidders shall manage equipment decontamination fluids and groundwater generated by the well purging and sampling activities

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<sup>17</sup>Fewer or additional quarters of monitoring may be needed to demonstrated attainment to PADEP satisfaction. Reimbursement will be provided for only necessary quarterly attainment monitoring events actually completed. In the event that soil analytical results do not demonstrate attainment, follow-up work will be considered an out-of-scope task under the Fixed-Price Agreement, which will require Solicitor and PAUSTIF approval of a work plan and cost estimate to complete the RRAP.

<sup>18</sup> Bidders shall include language in the bid that if groundwater data in the POC wells has been either non-detect or below SHS for four consecutive quarters, the PADEP will be petitioned to approve a reduction in the number of groundwater attainment sampling events.

in accordance with standard industry practices and applicable laws, regulations, guidance, and PADEP directives.

Groundwater samples collected during the sampling event shall be analyzed for the **pre**-March 2008 PADEP short-list of unleaded gasoline parameters by a PADEP-accredited laboratory using appropriate analytical methods and detection levels. Appropriate QA/QC samples shall also be collected during each event and analyzed for the same parameters.<sup>19</sup> In addition, each event shall include field measurements for the following parameters: pH, temperature, specific conductance, dissolved oxygen (measured in-situ), and oxidation/reduction potential.

The RAPRs describing the sampling methods and results will be provided to the PADEP on a quarterly basis and within 30 days of the receipt of analytical results for each quarter. At a minimum, each RAPR shall contain the following: a) A narrative description of the sampling procedures and results; b) tabulated data from current quarterly and all historical data; c) maps depicting groundwater flow directions and groundwater analytical data; d) discussion of the data to offer an updated assessment as to whether these data are consistent with a stable, shrinking, or expanding plume; and e) shall be sealed by a Professional Geologist registered in the Commonwealth of Pennsylvania.

**Task 9 – Prepare a Draft and Final RACR.** Under this task, the bidder will prepare a fixed-price cost to prepare a draft and final RACR following the completion of Task 8. The RACR shall be prepared in accordance with Section 245.313. At a minimum, the RACR shall detail the results of RRAP implementation, discuss the selected closure criteria for the site, provide proof of soil and groundwater attainment, and request permanent closure for the site for the current release under an Act 2 Relief of Liability. The project schedule should allow two (2) weeks for Solicitor and PAUSTIF review of the draft RACR before a final version is submitted to the PADEP. The selected consultant shall then prepare and submit the final RACR to the PADEP in accordance with Section 245.313.

**Task 10 – Site Closure / Restoration Activities.** Under this task, the bidder shall describe and provide a fixed-price bid for properly closing the site, including: in-place abandonment of monitoring wells both on- and off-site consistent with PADEP guidelines; well head removals; and re-vegetation, concrete / asphalt repairs, as necessary. This task shall also include photo-documenting the site restoration work and completion of the well abandonment forms. Copies of these photographs and forms shall be provided for the Solicitor's files.

#### **4. TYPE OF CONTRACT / PRICING**

The Solicitor wishes to execute a mutually agreeable, firm, fixed-price, not-to-exceed contract for the SOW addressed by Tasks 1 through 9. A sample Fixed-Price Agreement is included as Attachment 2.<sup>20</sup> The Fund will facilitate negotiations between the Solicitor and the selected consultant towards executing this Fixed-Price Agreement.

As noted earlier, **a bidder's response to this RFB Solicitation Package means it has accepted all the contractual terms unless explicitly stated to the contrary in the bid response.** Therefore, any requested changes to the Fixed-Price Agreement should be specified in the bid response. Please note that these changes will need to be reviewed and agreed upon by both the Solicitor and the PAUSTIF.

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<sup>19</sup> Each bidder's approach to implementing Task 8 shall clearly identify the number of sampling events, number of wells / samples per event, well purging and sampling method(s), QA/QC measures, analytes, and other key assumptions affecting the bid price.

<sup>20</sup> The selected consultant will be provided an electronic copy of the sample contract in Word format to allow contract-specific information to be added.

Each bid is to clearly identify unit cost rates for labor, other direct costs, and equipment, as well as proposed mark-ups on other direct costs and subcontracted services for all SOW Tasks 1 through 10. The by-task and by-subtask quotes are to be entered into the Cost Tabulation Spreadsheet / Standardized Bid Format included as Table 1 in Attachment 3 to this RFB (Table 1 is provided with the accompanying electronic files). Please note that the total fixed-price bid must include all costs, including those cost items that the bidder may regard as "variable," i.e., these variable cost items will not be handled outside of the Total Fixed Price quoted for the SOW. Finally, please note that referencing extremely narrow or unreasonable assumptions, special conditions, and exemptions may make the bid response too difficult to evaluate and may result in the bid response being deemed "unresponsive."

**Payment Milestones:** Table 2 below illustrates the approximate timing expected for completion of respective milestone tasks and milestone payouts. Actual milestone payments will occur only after successful and documented completion of the work defined for each milestone. Payment milestones under the Fixed-Price Agreement shall be broken out as follows:

- Milestone A – Develop Updated Site Map (Task 1).
- Milestone B – Geophysical Survey (Task2)
- Milestone C – Soil Attainment (Task 3)
- Milestone D – Installation of Overburden Groundwater Monitoring Wells (Task 4).
- Milestones E1 and E2 – Groundwater Monitoring and Sampling (Task 5). Note that the schedule assumes two Milestone E payments.
- Milestones F1 and F2 – Soil Vapor Study (Task 6). Note that the schedule assumes two Milestone F payments
- Milestone G – Prepare a Draft and Final RRAP (Task 7)
- Milestones H1 through H8 – Groundwater Attainment (Task 8). Note that the schedule assumes 8 Milestone H payments.
- Milestone I – Prepare a Draft and Final RACR (Task 9).
- Milestone J – Site Closure / Restoration Activities (Task 10).

**TABLE 2 – SAMPLE MILESTONE COMPLETION / PAYMENT SCHEDULE**

Estimated Milestone Timing Month After Contract Award	SOW Activities Anticipated / Completed for that Month	Milestone <sup>1</sup>
1	Updated Site Map; Geophysical Survey; Soil Attainment; Installation of Overburden Groundwater Monitoring Wells	A, B, C, D
2	Groundwater Monitoring and Sampling; Soil Vapor Study (probe installation and initial sampling event)	E1, F1
3	Groundwater Monitoring and Sampling; Soil Vapor Study (confirmation event)	E2, F2
5	Prepare a Draft and Final RRAP <sup>(2)</sup>	G
8	Groundwater Attainment	H1
11	Groundwater Attainment	H2
14	Groundwater Attainment	H3
17	Groundwater Attainment	H4
20	Groundwater Attainment	H5
23	Groundwater Attainment	H6
26	Groundwater Attainment	H7
29	Groundwater Attainment	H8
30	Prepare Draft and Final RACR	I
33	Site Closure / Restoration Activities	J

1. Each bidder should modify this sample Milestone Completion / Payment Schedule for Tasks 1 through 10 to reflect its proposed task schedule, as long as the proposed schedule meets the deliverable deadlines specified in Section 3 of this RFB.
2. The RRAP must be submitted in final form to the PADEP within 5 months of contract award.

Please note that the selected consultant's work may be subject to ongoing review by the PAUSTIF or its representatives to assess whether the proposed and completed work and the associated costs are reasonable, necessary, and appropriate. In order to facilitate review and reimbursement of submitted invoices by PAUSTIF, project costs shall be invoiced following the task structure specified in the selected bidder's bid response. Tracking incremental and cumulative costs by task will also be required to facilitate invoice review.

Unless otherwise noted by the bidder, each bid response received is required to be good for a period of up to 120 days after its receipt. The unit costs quoted in the bid will be assumed to be good for the duration of the period of performance cited in the Fixed-Price Agreement.

**5. ADDITIONAL BID PACKAGE REQUIREMENTS**

Each submitted bid response must include the following:

- A reasonable demonstration that the bidder (i) understands the objectives of the project, (ii) offers a reasonable approach for achieving those objectives efficiently, and (iii) has

reviewed the existing site information provided in or attached to this RFB Solicitation Package.

- Provide an answer to the following questions regarding the bidder's qualifications and experience:
  - How many Chapter 245/250 sites has your company closed (i.e., obtained a Release of Liability under Act 2) in Pennsylvania?
  - How many Chapter 245/250 sites has your company or the proposed PA-licensed Professional Geologist (P.G.) and Professional Engineer (P.E.) closed (i.e., obtained a Release of Liability from the PADEP) under either the SHS and/or the Site Specific Standard? [NOTE: The Solicitor requires the work described herein to be completed under the responsible care and directly supervised by a P.G. and P.E. consistent with applicable regulations and licensing standards.]
  - Whether there were or were not circumstances consistent with the cancellation provision of a signed contractual agreement, and has your firm ever terminated work under a fixed-price or pay-for-performance contract before attaining all of the project objectives and milestones? If yes, please list and explain the circumstances of each such occurrence.
- A complete firm fixed-price cost bid for Tasks 1 through 10 by completing the bid cost tabulation spreadsheet provided in Attachment 3 (included among the accompanying electronic files) following the SOW task structure specified herein.
- A description and discussion of all level-of-effort and costing assumptions.
- Indicate whether the bidder accepts the proposed contract / terms and conditions (see Attachment 2) or has provided a list of requested changes to the Fixed-Price Agreement.
- Provide a statement of applicable / pertinent qualifications, including the qualifications of any proposed subcontractors (relevant project descriptions are encouraged).
- Identify the proposed project team and provide resumes for the key project staff, including the proposed Professional Geologist and Professional Engineer of Record who will be responsible for endorsing work products prepared for PADEP review and approval.
- Provide a task-by-task description of the proposed technical approach. **If this task-by-task description fails to address a specific requirement of this RFB, it will be assumed that the bidder has accepted all the requirements specified herein by task.**
- Identify and sufficiently describe subcontractor involvement by task (if any).
- Provide a detailed schedule complete with specific by-month dates for completing the proposed SOW, inclusive of reasonable assumptions regarding the timing and duration of client, PAUSTIF, and PADEP reviews needed to complete the SOW. Details on such items as proposed meetings and work product submittals shall also be reflected in the schedule of activities.
- Describe your approach to working with the PADEP from project inception to site closure. Describe how the PADEP would be involved proactively in the resolution of technical issues and how the PADEP case team will be kept informed as to project status.
- Describe how the Solicitor and ICFI / PAUSTIF will be kept informed as to project progress and developments and how the Solicitors will be informed of, and participate in,

evaluating potential alternatives / tradeoffs with regard to the SOW addressed by Tasks 1 through 10.

## 6. MANDATORY PRE-BID SITE VISIT

On **Wednesday, September 8, 2010**, the Technical Contact will conduct a **mandatory pre-bid site tour** for a limited number of participants per firm at this property starting at **11 AM**. Please inform the Technical Contact at least three (3) business days in advance of this date as to the number of participants attending from your firm. Again, **any firm that does not attend this mandatory pre-bid site tour will not be eligible to submit a bid response.**

Questions will be entertained as part of the pre-bid site tour and every attempt will be made to answer questions at that time. However, all questions and the responses provided will also be distributed in writing to the attendees after the tour, as will the answers to any non-proprietary questions submitted in writing after the pre-bid site tour has been concluded. Again, please note that referencing extremely narrow or unreasonable assumptions, special conditions, and exemptions in a bid response may make the bid response too difficult to evaluate and may result in the bid response being deemed "unresponsive." Consequently, bidders are strongly encouraged to ask clarifying questions sufficient to minimize the number of assumptions, special conditions, and exemptions referenced in the submitted bid response.<sup>21</sup>

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<sup>21</sup> The list of assumptions, special conditions, or exemptions will be discussed with the Solicitor. As part of that discussion, the PAUSTIF may advise the Solicitor that certain assumptions, special conditions, or exemptions that are likely to generate change orders may be the financial responsibility of the Solicitor if the change order involves non-reimbursable activities.



## ATTACHMENT 1

<b><u>Filename:</u></b>	<b><u>Document:</u></b>
Site Prior To 2008 Development.pdf	Figure 1 – Subject Property Prior To 2008 Developments
Site After 2008 Developments.pdf	Figure 2 – Subject Property After 2008 Developments
Former Location for Waste Oil UST.pdf	Figure 3 – Former Location for Waste Oil UST
Soil Attainment Drawing_Final	Figure 4 – Estimated Area for Soil Attainment
Sheetz 55_Grading & Drainage_July 2007	Sheetz 55 Proposed Grading & Drainage Drawing
AST & UST Closure Report_Nov2007.pdf	AST & UST Closure Report, dated November 2007
PADEP NOV_091020.pdf	PADEP NOV dated 10/20/09
Dec 07 Soil Delineation Data.pdf	December 2007 Soil Sampling Analytical Data
071011_ATC_RAPR.pdf	1 <sup>st</sup> , 2 <sup>nd</sup> , and 3 <sup>rd</sup> Quarter 2007 RAPRs
RAP Addendum_000414.pdf	Addendum to RAP, dated 4/14/00
RAP_981106.pdf	RAP dated 11/6/98
Interim RA & SCR_981105.pdf	Interim Remedial Action & Site Characterization Report, dated 11/5/98
1997 Contaminated Soil Manifests.pdf	June 1997 Contaminated Soil Manifests
May 1997 UST Closure Report.pdf	UST Closure Report, dated May 1997

## **ATTACHMENT 2**

### **Fixed-Price Agreement**

(This agreement has been provided in an electronic form that does not permit the use to modify the agreement because only the selected consultant will need to complete the agreement. An electronic version of the agreement that will allow for tracking modifications to the agreement will be provided to the selected consultant at the appropriate time.)

*Request for Bid  
PAUSTIF #1997-0125(F)  
Former Barnesboro Best Facility  
Northern Cambria, PA  
August 9, 2010*

## **ATTACHMENT 3**

### **Standardized Bid Format**