

COMPETITIVE FIXED-PRICE BID SOLICITATION

SITE CLOSURE VIA STATEWIDE HEALTH STANDARDS (Residential, Used-Aquifer)

HARRISON SENIOR LIVING
300 STRODE AVENUE
COATESVILLE, CHESTER COUNTY,
PENNSYLVANIA 19320

PADEP FACILITY ID #15-41092
USTIF CLAIM #2008-0016(M)

November 22, 2011

This Request for Bid (RFB) has been issued by the Pennsylvania Underground Storage Tank Indemnification Fund (USTIF or "Fund") for USTIF Claim #2008-0016(M) on behalf of the Claimant, Mr. Chris Richetti (CFO - Harrison Senior Living), who hereafter is referred to as the Solicitor. This RFB seeks competitive bids from qualified contractors (consultants) to perform cleanup activities for a fixed-price with the goal of attaining site closure under The Pennsylvania Land Recycling and Environmental Remediation Standards Act of 1995 (Act 2) and securing an associated relief of liability from the Pennsylvania Department of Environmental Protection (PADEP). The work described in this RFB addresses a heating oil (Fuel Oil No. 2) release, at the Harrison Senior Living site located at 300 Strode Avenue in Coatesville, Pennsylvania (Site). The Solicitor seeks bids and written approaches to achieve the project goal in accordance with the work milestones presented in this RFB, which will be incorporated into an associated Fixed-Price Agreement (Attachment 1).

Although not a party to the agreement, USTIF will, subject to the claim limit cap, reimburse 100 percent of the reasonable, necessary, and appropriate costs associated with the Milestone Payment Schedule specified in Section 4 below and as incorporated into the associated Fixed-Price Agreement.

The following Milestones are provided below to facilitate the preparation of a bid and to maintain consistency among the bids for bid evaluation:

Task / Milestone A.	Submittal of Required Notices
Task / Milestone B.	Limited Additional Site Characterization Activities
Task / Milestone C.	Final Design and Initiate Implementation of Fuel Oil Separate Phase Liquid (SPL) Recovery Approach
Task / Milestone D.	Fuel Oil Recovery Operations, Maintenance & Monitoring (OM&M), and Adequate Recovery Demonstration
Task / Milestone E.	SPL Fate & Transport Modeling
Task / Milestone F.	Groundwater SPL Rebound Monitoring
Task / Milestone G.	Vapor Intrusion Attainment Demonstration
Task / Milestone H.	Soil Attainment Demonstration
Task / Milestone I.	Preparation, Submission, and PADEP Approval of a Final Report
Task / Milestone J.	Site Restoration and Well Abandonment.

By submitting a bid in response to this RFB, the bidder has accepted the contractual terms (Attachment 1) and Milestone requirements of this project, including schedule deadlines, unless explicitly stated to the contrary in the bid response.

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 (ICF)**, 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 copy (a single PDF file) of the complete bid response must be submitted to ICF 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 #2008-0016(M).”**

Please note that **the bid response (hard copy and digital version) is to be sent only to ICF** 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. Submitted bid responses are subject to Pennsylvania Right-to-Know Law.

The signed bid package (hard copy and electronic copy) sent to ICF must arrive **no later than close of business (5 p.m.) on December 22, 2011**. Please note that if your bid response is not received by ICF 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.insurance.pa.gov). While the Technical Contact will assist ICF, 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. ICF, SOLICITOR, AND TECHNICAL CONTACT INFORMATION

ICF International	Solicitor	Technical Contact
Mr. Ronald Moore ICF International 4000 Vine Street Middletown, PA 17057	Mr. Christopher J. Richetti C.F.O Harrison Senior Living 300 Strode Avenue Coatesville, PA 19320	Mr. Joseph Ozog, Jr., P.G. Excalibur Group, LLC 91 Park Avenue Windber, PA 15963 joezog@excaliburgrpllc.com

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 ICF 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 Harrison Senior Living site is an assisted living facility located in a mixed commercial, residential, industrial area of Coatesville, Chester County, Pennsylvania. The site physical address is 300 Strode Avenue, and bounded to the north and west by an industrial complex, to the south by mixture of vacant land followed by a mixture of residences and commercial, and to the east by the right-of-way for Strode Avenue followed by residences (see Figure 1).

Petroleum Releases

Release Associated With PAUSTIF Claim

On January 9, 2008, PADEP responded to a complaint made by a neighboring property owner (industrial complex) located north of the site, regarding oil observed entering Sucker Run, a natural drainage tributary located approximately 700 feet north of the site. The investigation traced the source of the oil back to a buried roof leader at the subject site that discharges rain water to the surface storm water drainage system on the subject site. Storm water from the site discharges to an off-site storm water drainage channel along Strode Avenue, which directs runoff to the Sucker Run outfall north of the Site. At the time of this investigation, the subject site operated two 6,000-gallon heating oil USTs (Fuel Oil No. 2) reportedly installed in the early 1960's, located along the north side of the subject building near the loading dock. Later site improvements included a bridged multi-story building addition that also created a covered loading dock / parking area encompassing the USTs (see Figure 2).

Immediate mitigation actions included installing absorbent booms and pads within the on- and off-site storm water systems and inspecting the UST system. The UST system inspection identified leaks in the oil lines from the USTs at the tops of the tanks.¹ After inspection, the UST system was reportedly immediately removed from service and was scheduled for closure. In February 2008, a total of 18 soil borings were advanced in the area of the fuel oil USTs and along the buried roof leader. Only one soil sample (HSL-SB-4A) collected near the UST pit had exceeded PADEP SHS for a concentration of naphthalene. No free phase fuel oil was encountered in any of the borings.² During UST closure activities in May 2008, it was determined that the USTs needed to be abandoned in-place due to the close proximity of structural column supports for the multi-story building bridge addition over the USTs and loading dock area. Observations made during the closure activities were that the tanks and associated piping were in poor condition with corrosion holes in the piping and along the top of the tanks and on the bottom of one tank.³ The abandoned tanks are believed to be resting within bedrock, bedded in the original crushed stone backfill. Approximately 165 tons of accessible impacted soils and weathered bedrock around the USTs were removed for off-site disposal. A total of 10 confirmatory soil samples were collected prior to backfilling around tanks. One sample, HSG PE 9, which was reportedly comprised of "...rock powder scrapings..."⁴ collected between the USTs (not a soil sample) exceeded PADEP's SHS established for soil due to the naphthalene concentration.

The buried roof leader, which apparently initially provided a preferential flow pathway for the released heating oil to move with stormwater runoff and eventually discharging into Sucker Run, is located approximately 20 feet east of the closed in-place heating oil USTs (see Figure 3). During a video inspection of this buried roof leader in February 2008, "oil globules" were reportedly observed in the buried

¹ Backup information provided with the Notice of Reportable Release / Notice of Contamination Form.

² Preliminary Site Assessment and Interim Remedial Action Summary Report, prepared by MARCOR Remediation, Inc., dated March 2008, page 9.

³ Underground Storage Tank System Closure Report Form, prepared by MARCOR Remediation, Inc., dated January 19, 2009.

⁴ "Monthly Progress Report #1 (6 May – 18 June 2008)", prepared by MARCOR Remediation, Inc., dated July 30, 2008, page 2.

pipe in the vicinity of the loading dock.⁵ It is believed that the fuel oil product migrated along the building foundation before intercepting the buried roof leader backfill and entering the roof drain through breaches in the piping.⁶ Soil data collected from the site characterization and UST closure activities indicate that the soil impacts from the release were limited to the UST pit and fuel conveyance lines (only one soil sample contained impacts above SHS). All the soil was reportedly removed from around the USTs to the bedrock surface in order to fully mitigate these soil impacts as an interim remedial measure during the UST closure.

Other Prior Releases

In August 2005, there was a release from a failed oil filter in the boiler room where ~25 to 50 gallons of heating oil was released to the floor drain. The heating oil was conveyed to the same buried roof leader and traveled to Sucker Run via the below grade and above-grade on-site, and above-grade off-site storm water drainage system. This floor drain was sealed with concrete in August 2005 following this release. The intersection of the boiler room floor drain pipe and the buried roof leader was observed during the February 2008 video inspection. This video appeared to show the floor drain piping to be crushed. There apparently were no other releases between the August 2005 incident and the UST release discovered in January 2008.

Contaminants of Concern (COCs)

The COC for soils, groundwater, and vapors are the pre-March 2008 short list for Fuel Oil No. 2, which consist of benzene, toluene, ethylbenzene, cumene, naphthalene, fluorene, and phenanthrene. Only naphthalene was detected above SHS. Naphthalene was detected above SHS in one soil sample (HSL-SB-4A) collected near the UST pit during characterization activities, and in one ground-up bedrock sample (HSG PE 9) collected from UST pit following tank closure and excavation of soil to the bedrock surface (interim remedial measure).

COC have never been detected in groundwater above SHS, and the presence of fuel oil separate phase liquid (SPL) on groundwater is the only issue with respect to groundwater attainment. Monitoring wells, MW-1, MW-2, MW-3 and MW-5, out of the twelve existing groundwater monitoring wells have routinely had measurable amounts of SPL (no groundwater samples have been collected from these four wells). An Act 2, Chapter 250, site closure to SHS requires that this SPL be recovered to the "maximum extent practicable" if present at the point of compliance (POC), or if the SPL could be present in POC in the future.

Subsurface Conditions

Site characterization and remedial feasibility testing activities following the fuel oil release in January 2008 and prior to and following in-place closure of the USTs was performed by MARCOR Remediation, Inc. (MARCOR) from February 2008 through to September 2008, and the current consultant, Center Point Tank Services, Inc. (CPTS) since January 2010. The activities performed by MARCOR included a geophysical utility investigation, storm water discharge sampling, advancement / sampling of 18 soil borings (SB-1 through SB-18); video camera inspection of buried roof leading piping, installation of 9 groundwater monitoring wells (MW-1 through MW-9), and groundwater monitoring / sampling. The activities performed by CPTS included quarterly groundwater monitoring and sampling, installation of three groundwater monitoring wells (MW-10, MW-11, and MW-12), and product recovery testing. Existing monitoring well locations and soil boring locations are provided on Figures 2 and 3, respectively

The unconsolidated overburden material, outside the perimeter of the UST pit and any below grade utilities, is a very thin layer (generally ~1 to 4 feet but thicker in certain areas with highly weathered bedrock) and consists of a natural gravelly silty-sand and sandy-silt residuum or fill material. Underlying the native soil

⁵ Preliminary Site Assessment and Interim Remedial Action Summary Report, prepared by MARCOR Remediation, Inc., dated March 2008, page 10 and Figure 2-1.

⁶ Preliminary Site Assessment and Interim Remedial Action Summary Report, prepared by MARCOR Remediation, Inc., dated March 2008, page 17.

and fill is a highly weathered Schist which becomes competent Schist bedrock at depths of ~3 to 20 feet below grade. The bottom of the closed-in-place USTs (~12 feet) are resting on competent bedrock.

No groundwater was encountered in the unconsolidated overburden or weathered Schist. Groundwater levels vary between ~20 to 37 feet within the competent bedrock, with a flow direction to the north/northeast.

SPL has routinely been observed in wells MW-1, MW-2, MW-3, and MW-5 located within and immediately downgradient of the UST pit ranging in thickness from ~0.5 foot to 3 feet. More recent data (September 2011) indicates that measurable SPL was only observed in MW-5 at 0.03-foot, with only a sheen observed in wells MW-1, MW-2, and MW-3. A SPL sheen has also periodically been observed in side gradient well MW-9. SPL removal activities have consisted of manually bailing product from wells in August 2008, a short term pump test in May 2010, and routine SPL removal activities in 2011. Following product removal activities in August 2011, which removed ~2 gallons of SPL, product absorbent socks were installed in wells MW-1, MW-2, MW-3, MW-5, and MW-9 on August 24, 2011. In early September 2011, the absorbent socks were found to be saturated with SPL and replaced. The absorbent socks were later removed to allow for routine measuring and calculating the thickness of the SPL that accumulates in each of the site wells, and SPL recovery is continuing via hand bailing. SPL gauging information is provided in the quarterly reports and other historical documents provided in Attachment 2.⁷

Bidders should refer to the accompanying electronic files for additional background information on this site (see Attachment 2 for a list of these documents).⁸ To the extent there is any discrepancy between the summary of site conditions provided above and the source documents, bidders shall rely on the source document information. Bidders should carefully consider what information, analyses, and interpretations contained in Attachment 2 can be used in developing their scope of work (SOW) for their bid in response to this RFB.

3. PROJECT MILESTONES AND OBJECTIVES

This solicitation requests a fixed price bid (a) for several specific tasks defined in this RFB and (b) for achieving the SHS goal by completing the site characterization and remediation by the bidder's recommended course of action with the project goal to "close" the Harrison Senior Living site under Pennsylvania Act 2, Chapter 250, and obtain an associated release of liability from PADEP by demonstrating attainment of residential used-aquifer SHS for soils and groundwater. Because this RFB includes a remediation results-oriented fixed price task, bids must contain a higher level of project-specific details, which will allow the Solicitor and USTIF to accurately assess each bid and differentiate among them. In reviewing responses to this RFB, the bid review committee will use the following criteria (questions) to assess whether bids are technically sound:

- Does the bid demonstrate that the bidder has an understanding of existing Site conditions and the associated Site-specific regulatory issues?
- Does the bid demonstrate that the bidder has an understanding of individual milestone objectives as well as the overall project goal?
- Does the bid present an appropriate remedial solution that uses quantitative physical and laboratory data to document and confirm remedial progress?
- Is the remedial solution presented reasonably capable of achieving Site closure in conformance with PADEP guidance and PA Code, Title 25, Chapter 250 within a reasonable timeframe?

The Solicitor and USTIF recognize that each bidder may provide a unique path forward at the Harrison Senior Living site. Bids, therefore, **must be well reasoned, well organized, and detailed** as they

⁷ Additional SPL gauging data will be made available to the bidders during the bidding process.

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

describe how the interested bidder plans to address each of the ten (10) tasks / milestones, and move the Site from its existing conditions (both from a technical prospective and a regulatory prospective) to the conditions required by PADEP to close the Site under Act 2 and provide the Solicitor with an associated release of liability. Each bid shall describe the bidder's understanding of the conceptual site model and how that model relates to the bidder's proposed approach to executing each of the tasks / milestones. Also, each bidder should carefully review the existing Site information provided in the attachments to this RFB and seek out other appropriate sources of information to develop their response to this RFB. Nothing stated or implied within this RFB shall be construed as an endorsement by the Solicitor or by USTIF of a particular remedial technology or remedial solution.

Once the contract is signed, any modification to the selected consultant's SOW for Tasks A through J 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 each of the 10 tasks / milestones 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 Title 25, 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).

The project schedule must specify no less than two (2) weeks for the Solicitor and PAUSTIF to review and comment on the draft Final Report (Task / Milestone I) before it is finalized and submitted to the PADEP for its review and comment. Task / Milestone J would be performed following PADEP review and approval of the Final Report. Therefore, the bid shall also include time to address any PADEP comments received on the Final Report.

In addition to the 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 all tasks.
- 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 all tasks.
- 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 any task.
- Be responsible for keeping all Site monitoring 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 Fixed-Price Agreement at its expense. Any request for Fund reimbursement of the reasonable costs to repair or replace a well will be considered on a case-by-case basis.

Task / Milestone A – Submittal of Required Notices. Bidders shall attain this milestone by preparing and submitting the Notice of Intent to Remediate (NIR). The NIR shall be prepared and provided to PADEP, local municipality, and public (i.e. newspaper) as per the Act 2 guidance. Each bid shall detail the bidder's approach and firm fixed-price bid to prepare, submit and advertise the NIR in accordance with PADEP requirements. As per the Act 2 guidance, the NIR shall include a description of the site and site usage, site characterization information, and proposed remedial approach. For the purposes of the Act 2 closure and Relief of Liability sought by Solicitor, the "Site", consists of the former heating UST pit, loading dock / parking area, access roads to loading dock / parking area, and access driveway and stormwater drainage swale from MW-6 to Strode Avenue (i.e. the area depicted in Figure 2).

Task / Milestone B – Limited Additional Site Characterization Activities. Following review of the Site-related documents incorporated into this RFB (i.e., Site-specific documents, posted with this RFB on the USTIF website) and participation in the mandatory pre-bid Site meeting, bidders shall propose and provide details on and associated fixed-price costs for additional site characterization, SPL recovery testing or other pilot testing activities and such additional activities and their associated bid pricing shall be included under Milestones B1, B2, etc.

The additional site characterization activities (and the scope thereof) that may be conducted under this milestone will vary by bid according to each bidder's vision for remediation of the Site (Site Conceptual Model). Milestone B shall be used by bidders to verify previously collected data or to address any perceived gaps in the existing characterization data relevant to bidder's approach to completing the site remediation. The additional site characterization work proposed and conducted under this milestone (if any), as well as the fixed- or unit-price(s) associated therewith shall be formulated independently by each bidder at their sole discretion. The work breakdowns (if any) for all discretionary Milestone B work (Milestones B1, B2, etc.) will vary by bid.

Should a bidder elect not to propose conducting any additional characterization activities, a fixed-price of \$0.00 shall be entered into the appropriate locations (B1, B2, etc.) of the Standardized Bid Form (Attachment 3). Bidders that elect not to propose additional site characterization activities **must** provide the technical rationale (basis) for this decision within their bid, along with supporting examples (as appropriate). In addition, bidders that do not believe that discretionary site characterization activities are necessary to efficiently close the Site under Act 2 **must** explicitly state within their bid that they accept the inherent risk in relying almost entirely or exclusively on data collected by others.

The scope, purpose, and results of additional site characterization activities that are conducted under Milestone B shall be documented in the Final Design for the SPL recovery approach (Milestone C) along with the Final Report (Milestone I). The pricing for Milestone B (i.e., Milestones B1, B2, etc., as applicable) on the Standardized Bid Form (Attachment 3) shall incorporate all costs associated for performing this work.

Task / Milestone C – Final Design and Initiate Implementation of Fuel Oil SPL Recovery Approach. To address this task / milestone in the bid response, bidders shall describe and provide a firm fixed-price for the final design, and as applicable, final equipment selection and procurement, permitting, installation, and start-up of the bidder's SPL recovery remedial approach. The SPL recovery approach shall concurrently address all four wells with consistent SPL impacts (MW-1, MW-2, MW-3, and MW-5). It may be based entirely on the skimmer system proposed by MARCOR in the 2008 Remedial Action Work Plan, some variation on MARCOR's plan or some different approach. Bidders shall consider and present a technical discussion concerning the skimmer system outlined by MARCOR and whether it is likely to be able to accomplish removal of the product within reasonable amount of time and, if not, the rationale for proposed augmentations or other alternatives (e.g. additional skimmer extractions wells, imposing a vacuum

gradient, etc.).

Each bidder's approach and fixed price bid shall include the level of effort for preparing and delivering a Final Design document. The successful bidders shall provide this document to the Solicitor and USTIF for review and comment before equipment is purchased and installed / implemented. Also, each bid shall explicitly acknowledge that successful achievement of this milestone includes a demonstration to the Solicitor and USTIF (or USTIF's agents) through on-site inspection that the remedial approach has been installed / implemented and is properly functioning consistent with the bid and as described in the bidder's final design document and associated Fixed-Price Agreement.

Each bidder shall submit with their bid a conceptual remedial approach design / description, and shall provide all the narrative and graphic information necessary for the Solicitor, USTIF, and Technical Contact to fully understand the bidder's intentions. Bids shall incorporate the following Milestone activities in their remedial implementation discussions and pricing breakdown within the Standardized Bid Form (Attachment 3). Milestone C shall be presented within bids and on the associated Standardized Bid Form with a firm fixed-price

Task / Milestone D – Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration. For this task / milestone, bidders shall provide the Solicitor and USTIF with quarterly OM&M unit costs, the minimum number of site visits included in the bid, and an estimated length of time (i.e., number of quarters) that the remedial approach will need to be implemented in order to achieve the project goal of removing SPL to the "maximum extent practicable", enabling initiation of Milestone E (Groundwater SPL Rebound Monitoring). Each bid shall explicitly state bidder's understanding of the project goal and shall provide the bidder's interpretation and definition of "maximum extent practicable" for SPL removal.

Bids shall describe the specific remedial approach monitoring, permit compliance tests / reporting (as applicable), operation protocols, and maintenance procedures (as applicable) that will be used to monitor and evaluate SPL recovery performance. Bids shall also describe how their proposed remedial approach may be adjusted to address changing site conditions as the on-Site remedial effort proceeds.

Bidders shall include development of a site-specific checklist to be completed by field technicians during regular OM&M visits that will provide key information deemed necessary to evaluate remediation performance including totalized SPL recovery, permit compliance (as applicable), and maintenance on a continuing basis. Each bid response shall include an appropriate example of an OM&M checklist that identifies typical minimum data requirements to be recorded during each site visit.

This task / milestone includes quarterly groundwater monitoring and reporting events, which shall commence immediately following the execution of the associated Fixed-Price Agreement.

Site-related monitoring wells, MW-4 and MW-6 through MW-12⁹ are designated for representative monitoring, sample collection, analyses, and documentation during each quarterly groundwater monitoring events. In addition, each quarterly event shall include gauging the depth to groundwater (and separate-phase hydrocarbons) in all 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 consistent with the current (most recent) vertical datum used at the Site to assess groundwater flow direction and hydraulic gradient.

For each quarterly monitoring event, once all depth to groundwater data has been measured and recorded, each monitoring well designated for representative sample collection shall be purged then sampled in accordance with PADEP Groundwater Monitoring Guidance Manual, other applicable PADEP guidance and directives, and standard industry practices. Any well with a numerically quantifiable thickness of SPL shall not be purged or sampled. The SPL shall be removed and containerized for disposal during any quarterly monitoring events performed prior to implementation of the SPL recovery approach (Milestone C).

⁹ Wells MW-1, MW-2, MW-3, and MW-5 will not be sampled due to the presence of measureable SPL.

Bidders shall manage and dispose of equipment decontamination fluids and groundwater generated by the well purging and sampling activities as per the DEP Southeast Regional Office (SERO) guidance; check with the SERO for current requirements.

Each groundwater sample collected from monitoring wells MW-4, and MW-6 through MW-12 shall be analyzed for the pre-March 2008 PADEP short-list of fuel oil No. 2 petroleum products¹⁰, by a PADEP-accredited laboratory using USEPA Method SW-846 8260B, with method detection levels below individual SHS for each compound. Appropriate quality assurance/quality control (QA/QC) samples shall also be collected and analyzed for the same parameters as part of each event.¹¹

Each groundwater sample collected from the monitoring wells shall also be field-analyzed and recorded for the following monitored natural attenuation (MNA) parameters: temperature, pH, specific conductance, dissolved oxygen, and oxidation/reduction potential.

The results of each quarterly groundwater monitoring event shall be documented in separate quarterly Remedial Action Progress Reports (RAPRs). Each quarterly RAPR shall be prepared, completed, and submitted for the Solicitor, USTIF and PADEP. Each quarterly report shall provide the data generated during the reporting period, shall be complete and concisely organized, and shall contain at least the following elements:

- A summary of site operations and remedial progress made during the reporting period, including SPL recovery volume estimates;
- SPL recovery operations up-time / down-time estimates;
- Operational problems;
- Narrative description of the groundwater sampling procedures and results;
- Tabulated data collected from the monitored wells documenting the depth to groundwater and thickness of any SPL encountered;
- Groundwater elevation contour maps depicting groundwater flow direction;
- Tabulated historical quantitative groundwater analytical results including results from the current quarter;
- Current quarter laboratory analytical report(s);
- One site-wide iso-concentration contour map for each compound detected in any one well above the SHS during the quarter;¹²
- For each well exceeding SHS, a graphical depiction of historical key contaminant concentrations and groundwater elevations to provide an assessment of correlations between fluctuating water levels / precipitation events and contaminant concentrations;
- For each well exceeding SHS, a graphical depiction of recent key contaminant concentration trends and results of a statistical analysis;
- Discussion of the data to offer an updated assessment whether these data are consistent with a stable, shrinking, or expanding plume;
- Evaluation of remedial approach performance including SPL recovery quantification and system optimizations performed (as applicable);
- Operational time shall be logged and reported in the RAPRs; and
- Treatment and disposal documentation for waste generated during the reporting period.

USTIF will only reimburse for only necessary quarterly groundwater sampling / reporting events actually completed under this milestone (e.g., this milestone shall be considered completed with all associated

¹⁰ Parameters include – benzene, toluene, ethylbenzene, cumene, naphthalene, fluorine, and phanenthrene.

¹¹ Each bidder's approach to implementing Milestone D shall clearly identify the number of sampling events, number of wells / samples per event, well purging and sampling method(s), purge water disposal methods, QA/QC measures, analytes, and other key assumptions affecting the bid price.

¹² All figures included in each RAPR (e.g., site plan, groundwater elevation maps, dissolved plume maps, etc.) shall be available in electronic format to the Solicitor upon request.

activities terminated as soon as groundwater SPL rebound monitoring begins).¹³ Each quarterly RAPR shall be signed and sealed by a Professional Geologist and Professional Engineer registered in the Commonwealth of Pennsylvania.

OM&M under this task / milestone is to be reimbursed at the bid unit rate on a quarterly basis. To provide added incentive to the successful bidder for completing the product recovery and closure as expeditiously and cost effectively as possible, **10% of each quarterly payment will be withheld and accumulated pending either (a) successful demonstration of recovery “to the maximum extent practicable” as acknowledged by PADEP or (b) until SPL thickness has been reduced in all wells to no more than 0.1-foot and a successful demonstration (via modeling, etc.) has been made that the remaining SPL will never reach POC wells in the future to allow SHS closure under Act 2.** When either of these conditions has been met, the accumulation of 10% holdback payments will be reimbursed in one lump sum to the successful bidder.¹⁴ Fixed price costs for the quarterly OM&M events shall be included under Milestone D, and the fixed costs associated with fate and transport modeling shall be included under Milestone E.

Task / Milestone E – SPL Fate & Transport Modeling. Under this milestone, bidders shall describe in detail and provide a firm fixed-price for fate and transport modeling of the SPL following a reduction in the SPL thickness in all wells to no more than 0.1-foot (Milestone D). The fate and transport model shall be developed to calibrate to current conditions and predict future SPL distribution contaminant distribution. The fixed costs shall also include collection of SPL samples and analysis (as applicable). Additional testing activities (i.e. SPL bail down or pump testing), as applicable, shall be detailed along with the fixed cost under Milestone B. The fixed-price cost shall include documenting the modeling effort in the Final Report (Milestone I). This documentation shall describe all model input/output, provide a thorough explanation of model construction, justify all input parameters, and include a detailed discussion of the modeling results and conclusions regarding current and predicted future SPL plume stability.

Task / Milestone F – Groundwater SPL Rebound Monitoring. Under this milestone, bidders shall provide a firm fixed-price for completing four consecutive quarters of groundwater monitoring and reporting events following completion of SPL recovery (Milestone D). Each bid shall identify the proposed specific criteria for (a) completion of the remedial approach and the monitoring for SPL rebound would begin; and (b) what constitutes significant SPL rebound. For the purposes of this bid, the POC wells shall be all wells except MW-1 through MW-5 (i.e., seven wells total). However, given that concentrations of the SHS have never been detected above SHS, groundwater sampling to demonstrate attainment of the SHS is not anticipated. This task will be focused on monitoring for the re-bound in measureable SPL.

Each groundwater monitoring event shall include the gauging of all site wells (MW-1 through MW-12) to determine water levels and SPL thickness, if any. The gauging and reporting shall be initiated following successful SPL remediation of the Site, and shall continue for a total of four consecutive quarterly events (12 months).¹⁵

Each event shall include gauging the depth to groundwater and any potential SPL in all available monitoring wells. Groundwater-level measurements obtained from the monitoring wells shall be converted to groundwater elevations consistent with the current (most recent) vertical datum used at the site to assess groundwater flow direction and hydraulic gradient.

Each quarterly gauging and reporting event shall be documented in a quarterly RAPR submitted to the

¹³ If OM&M of the remedial approach would need to continue beyond the bidders specified time frame, additional 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.

¹⁴ Lump sum payment will be made prior to the on-set of initiating Milestone F.

¹⁵ If the a re- bound of measurable SPL is observed during Milestone F, additional 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.

Solicitor, USTIF, and PADEP. At a minimum, each RAPR shall contain the following:

- Narrative description of the gauging procedures and results;
- Tabulated data collected from the monitored wells documenting the depth to groundwater and thickness of any SPL encountered;
- Groundwater elevation contour maps depicting groundwater flow direction;
- A discussion of the data and an updated assessment of the SPL; and
- Treatment and disposal documentation for waste generated during the reporting period.

Each RAPR shall be sealed by a Professional Geologist or Professional Engineer registered in the Commonwealth of Pennsylvania.

Task / Milestone G - Vapor Intrusion Attainment Demonstration. Bidders shall provide a firm fixed-price and SOW to conduct an assessment of the indoor air exposure pathway, which 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*. Each bid shall include the installation of three soil vapor sampling points and specify the proposed locations on a drawing, provide the constructed depth of each soil vapor sample point, and describe approach for the purging and sampling, and sample analysis of the soil vapor points.¹⁶ 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.

Task / Milestone H – Soil Attainment Demonstration. Although soil excavation was completed at this site to address soil impacts found in and around the UST field, there does not appear to have been an adequate soil attainment demonstration. Under this task, bidders shall develop and implement a soil boring program for systematic random soil sampling to demonstrate attainment of the soil SHS. The location and area to demonstrate soil attainment is shown on Figure 3. Since the UST cavity was previously excavated down to bedrock and backfilled with clean material, no attainment soil sampling shall be completed within this previously excavated area. Instead, three dimensional attainment sampling shall be completed around the UST excavation perimeter and in the vicinity of the former UST vent piping where excavation to bedrock was not completed. Each bid shall describe in detail their approach at addressing soil attainment, and include the depth interval and a drawing showing the location to demonstrate soil attainment.

The location / depth of the soil samples shall be determined using PADEP's systematic random sampling (SRSS) procedures, assuming one soil sample per boring shall be submitted for laboratory analysis. Alternate SRSS points shall be selected for any primary SRSS sample locations positioned within the former UST excavation and any existing below grade utilities (i.e. public water and natural gas). Soil samples shall be analyzed for the pre-March 2008 PADEP short list for fuel oil No. 2 parameters. Appropriate quality assurance/quality control (QA/QC) samples shall also be obtained for laboratory analysis. The soil sampling results shall be analyzed using PADEP's 75%/10x Ad Hoc Rule, which shall be documented in detail in the Final Report (Task / Milestone I)¹⁷.

Task / Milestone I – Preparation, Submission, and PADEP Approval of a Final Report. Under this milestone, the bidder will prepare a fixed-price cost to prepare a draft and final Final Report following the completion of Milestone H. The Final Report shall contain all information required under 25 PA Code 250.312, PADEP Land Recycling Program Technical Guidance Manual, and other applicable statutes, regulations, and guidance including being signed and sealed by a Professional Geologist and Professional

¹⁶ Each bidder's approach to implementing Milestone G shall clearly identify the number of sampling events, number of sampling points / samples per event, purging and sampling method(s), QA/QC measures, analytes, analytical method, and other key assumptions affecting the bid price.

¹⁷ If the sampling data does not allow for attainment of the selected standard, additional 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.

Engineer registered in the Commonwealth of Pennsylvania.

Each bidder's project schedule shall provide two weeks for Solicitor and USTIF review of the draft document. The final version of the Final Report shall address comments received from the Solicitor and USTIF on the draft report before it is submitted to PADEP. The Final Report shall request relief from liability relative to soil and groundwater for the petroleum release identified in USTIF Claim #2008-0016(M) by demonstrating compliance with the residential, used-aquifer SHS for soils and groundwater without the use of any activity and use limitations, institutional controls, or engineering controls. The fixed price for this milestone shall also include addressing any PADEP comments on the Final Report.

Task / Milestone J – Site Restoration and Well Abandonment. Under this milestone, bidders shall provide a firm fixed-price for: proper abandonment of all Site-related monitoring wells and vapor monitoring points, removal and proper disposal of any remaining wastes, removal and proper disposal of the on-Site SPL recovery system, as-needed grading of all ground surface areas that have been disturbed by site characterization or remedial action activities, and in-kind restoration (pavement or vegetation) of all ground surface areas that have been disturbed by site characterization or remedial action activities (as applicable).

Work and bid pricing for this milestone shall include all associated documentation required by PADEP or the Solicitor. This includes, but is not limited to: daily photo-documentation of all site restoration and well abandonment activities, and submitting properly completed well abandonment forms to PADEP on behalf of the Solicitor. Copies of these photographs and well abandonment forms shall be provided to the Solicitor and USTIF.

Each bid shall specify the number of days for initiating Milestone J following approval of the Final Report by PADEP, and shall be conducted in accordance with standard industry practices and applicable laws, regulations, guidance, and PADEP directives. Monitor well and vapor monitoring point abandonment (as applicable) and Site restoration activities will be coordinated with the Solicitor. Prior to abandonment, all wells and vapor monitoring points shall be checked for obstructions that may interfere with any abandonment grouting protocol. If obstructions are found, they shall be removed prior to abandonment.

All groundwater monitoring wells and vapor monitoring wells (as applicable) at the site shall be properly abandoned in a manner consistent with PADEP's 2001 Groundwater Monitoring Guidance Manual. Copies of the completed Groundwater Monitoring Abandonment Forms shall be forwarded to PADEP so that PADEP may close its files on this facility.

The selected consultant shall determine whether the Solicitor wishes to maintain any components of the SPL recovery system (e.g. treatment building), as applicable, before removing it from the Site. All debris and waste materials generated during well abandonment and Site renovation activities shall be properly disposed of in accordance with all applicable laws, regulations, and PADEP guidance.

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 / Milestones A through J. A sample Fixed-Price Agreement is included as Attachment 1.¹⁸ 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

¹⁸ The selected consultant will be provided an electronic copy of the sample contract in Word format to allow contract-specific information to be added.

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.

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 addressing Tasks / Milestones A through J. 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 the 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 – Submittal of Required Notices
- Milestone B – Limited Additional Site Characterization Activities
- Milestone C – Final Design and Initiate Implementation of Fuel Oil SPL Recovery Approach
- Milestone D – Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration. Note that the schedule assumes eight Milestone D payments¹⁹.
- Milestone E – SPL Fate & Transport Modeling.
- Milestone F – Groundwater SPL Rebound Monitoring. Note that the schedule assumes four Milestone F payments.
- Milestone G – Vapor Intrusion Attainment Demonstration. Note that the schedule assumes two Milestone G payments.
- Milestone H – Soil Attainment Demonstration
- Milestone I – Preparation, Submission, and PADEP Approval of a Final Report
- Milestone J – Site Restoration and Well Abandonment.

¹⁹ The number of milestone payments shall be adjusted to meet each bidders approach to addressing this task / milestone.

TABLE 2 – SAMPLE MILESTONE COMPLETION / PAYMENT SCHEDULE

Estimated Milestone Timing Month After Contract Award	SOW Activities Anticipated / Completed for that Month	Milestone ²⁰
1	Submittal of Required Notices; Limited Additional Site Characterization Activities	A, B1, B2, etc.
3	Final Design and Initiate Implementation of Fuel Oil SPL Recovery Approach	C
4	Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration	D1
7	Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration	D2
10	Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration	D3
13	Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration	D4
16	Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration	D5
19	Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration	D6
22	Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration	D7
25	Fuel Oil Recovery OM&M, and Adequate Recovery Demonstration	D8
28	Groundwater SPL Rebound Monitoring; SPL Fate & Transport Modeling	E, F1
31	Groundwater SPL Rebound Monitoring	F2
34	Groundwater SPL Rebound Monitoring; Vapor Intrusion Attainment Demonstration	F3; G1
37	Groundwater SPL Rebound Monitoring; Vapor Intrusion Attainment Demonstration; Soil Attainment Demonstration	F4; G2; H
40	Preparation, Submission, and PADEP Approval of a Final Report	I
44	Site Restoration and Well Abandonment	J

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:

²⁰ Each bidder should modify this sample Milestone Completion / Payment Schedule for Milestones A through J to reflect its proposed task schedule, as long as the proposed schedule meets the deliverable deadlines specified in Section 3 of this RFB.

- How many Chapter 250/245 sites has your company closed (i.e., obtained a Release of Liability under Act 2) in Pennsylvania (*do not include UST removals / closures*)?
 - How many Chapter 250/245 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? (*do not include UST removals / closures*) [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 A through J 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 1) 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 (Tasks A through J), 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 ICF / 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 A through J.

6. MANDATORY PRE-BID SITE VISIT

On **Tuesday, December 6, 2011**, 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.²¹

²¹ 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

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.)

ATTACHMENT 2

<u>Filename:</u>	<u>Document:</u>
HSL_2008-0016M_RFB_Figures.pdf	Figure 1 – Site Location, Figure 2 – Site Plan, & Figure 3 – Site Features/Borings
HSL_2008-0016M_3 rd Qtr 2011 Rpt.pdf	Quarterly Monitoring Report, dated October 2011
HSL_2008-0016M_2 nd Qtr 2011 Rpt.pdf	Quarterly Monitoring Report, dated June 2011
HSL_2008-0016M_1 st Qtr 2011 Rpt.pdf	Quarterly Monitoring Report, dated April 2011
08-016(M) 2 nd Quarter 2010 RAPR.pdf	Quarterly Monitoring Report, dated July 2010
HSL_2009-0016M_UST Closure Rpt_090119.pdf	UST Closure Report, dated January 19, 2009
081201_Marcor_RA Work Plan.pdf	Remedial Action Workplan, dated December 1, 2008
HSL_2008-0016M_Well Logs.pdf	Well Logs MW-1 thru MW-9
HSL_2008-0016M_Monthly Progress Rpt#2.pdf	Monthly Progress Report #2 (19 June – 31 August 2008)
080730_Marcor_RAPR #1.pdf	Monthly Progress Report #1 (6 May-18 June 2008), dated July 30, 2008
080301_Marcor_Preliminary SCR & IRAR.pdf	Preliminary Site Assessment & Interim Remedial Action Summary Report, dated March 2008
HSL_NORR NOC_Jan 2008.pdf	NORR NOC, dated January 2008
HSL_PADEP NOV_080114.pdf	PADEP NOV, dated January 14, 2008

*Request for Bid
PAUSTIF #2008-0016(M)
Harrison Senior Living
Coatsville, PA
November 22, 2011*

ATTACHMENT 3

Standardized Bid Format