

**COMPETITIVE BID SOLICITATION FOR
COMPLETION OF SITE CHARACTERIZATION PLUS ACTIVITIES**

ATLANTIC MOTORS

**52 SOUTH LEHIGH STREET, FRACKVILLE, SCHUYLKILL COUNTY,
PENNSYLVANIA**

PADEP FACILITY ID #54-50468 -- PAUSTIF CLAIM # 2006-0048(M)

July 31, 2009

This Request for Bid (RFB) Solicitation is to prepare and submit a **Cost Not-To-Exceed Time and Materials Competitive Bid** to complete a Site Characterization Plus for the subject site.

A petroleum release from the on-site Underground Storage Tank System (UST) was confirmed at the subject site and some site characterizations have been conducted. As a result of those actions, groundwater (both perched and within the bedrock) has been found to have been impacted by petroleum Constituents at Concentrations (COCs) above the Residential Statewide Health Standard (RSHS). Additionally, soil impacts above the RSHS also have been documented. Site Characterization efforts that have been completed to date have not been sufficient to define the extent of contamination associated with the release and the Pennsylvania Department of Environmental Protection (PaDEP) has not approved the previously submitted Site Characterization Report. Therefore, additional site investigations and remedial technology evaluations appropriate to this site are being sought in order to fully characterize the release and fully evaluate appropriate technologies capable of remediating the release and obtaining a release of liability. The successful bidder will complete the necessary investigations and submit a Site Characterization Plus Report (SCPR) which shall include sufficiently detailed remedial technology evaluations to permit PaDEP's review and approval those technologies which are determined to be viable.

The Solicitor has an open claim (Claim # 2006-0048(M)) with the Pennsylvania Underground Storage Tank Indemnification Fund (PaUSTIF or 'Fund'), and the work outlined in this RFB will be completed under this aforementioned claim. Reimbursement of Solicitor-approved reasonable, necessary and appropriate costs up to claim limits for the work described in this RFB will be provided by PaUSTIF and the Solicitor.

The work to be completed under this RFB will generally include the following components (additional details are provided later within this solicitation):

1. Component I activities including: records reviews, interviews, documentation of release and site history, site reconnaissance, etc;
2. Component II Activities including: installing, surveying, gauging and sampling wells, aquifer testing, vapor intrusion testing, etc; and,

3. Component III preparing a Site Characterization Plus Report (SCPR) and remedial alternative evaluations for Solicitor to review prior to PaDEP submittal.¹

Not-to-exceed costs for individual tasks proposed by the bidder shall be based on the scope of work provided in the RFB. Expenses for individual tasks in excess of the quoted price for the individual tasks shall be the bidder's responsibility. The scope and budget for any identified out of scope activities must be pre-approved to be eligible for payment. Any costs associated with deviations from the scope that did not receive prior approval by PaUSTIF or its representatives will not be reimbursed.

Should your company elect to respond to this RFB Solicitation, one (1) hard copy and one (1) electronic copy on a CD of the signed bid package must be provided to the identified ICFI Representative. **The signed response (both electronic and hard copy) to this RFB must be provided to the ICFI Representative no later than close of business (5:00 PM EDST) on September 8, 2009.**

On behalf of ICFI and PaUSTIF, the Technical Contact will assist the Solicitor in evaluating the bid, but the Solicitor will ultimately choose to negotiate the mutually agreeable contract. The Bid evaluation will consider, among other factors, total bid cost, unit costs, schedule, qualifications and contract terms and conditions (no priority or relative weighting is implied by the order of these factors). The Solicitor anticipates informing the bidder with an approval to proceed within six (6) weeks of the bid response deadline.

A. SOLICITOR AND TECHNICAL CONTACT INFORMATION

<u>Solicitor</u>	<u>ICFI Representative</u>	<u>Technical Contact</u>
Mr. John Grazel Atlantic Motors, Inc. 51 State Road Barnesville, PA 18214-2402	Mr. Chad Ames ICF International 4000 Vine Street Middletown, PA 17057-3565	Mr. Eric J. Slavin, MS, CPGS, RPG President/Senior Consultant Earth Resource Associates, Inc. 544 Hemlock Lane Lebanon, PA 17042-6094 Email: Eric.J.Slavin@gmail.com

NOTE: All questions regarding this RFB Solicitation and the subject site conditions must be directed to the Technical Contact and submitted in writing with the understanding that all questions and answers will be provided to all bidders. Bidders must neither contact nor discuss

¹ For clarity, this RFB does not include the preparation or implementation of a Remedial Action Plan (RAP). However, as a Site Characterization Plus, the bidder is required to thoroughly evaluate viable remedial alternatives capable achieving the selected remedial standard.

this RFB Solicitation with the Solicitor, PaUSTIF, or ICFI unless approved by the Technical Contact. This RFB Solicitation may be discussed with subcontractors/vendors to the extent required for preparing the bid response. **There will be no site visits allowed except as provided in Section F.**

B. SITE LOCATION / BACKGROUND

Site Name/Address

Atlantic Motors, Inc.
52 South Lehigh Avenue
Frackville, PA 17931

(Property is located on the northwest corner of the intersection of South Lehigh Avenue (State Route 924) and West Oak Street (State Route 61))

Municipality /County/ Latitude and Longitude

Borough of Frackville
Schuylkill County

40° 47' 01.69" north latitude
-76° 13' 51.02" west longitude

Site Use Description:

The Atlantic Motors, Inc. site is a currently unoccupied property which had been used as a retail gasoline dispensing station from 1969 through 2001 and then as a used truck sales lot. Underground storage tanks associated with the former gasoline station use along with the associated pumps and lines were removed from the site in 2006. No replacement tankage was installed. A single story structure that was used to house the former office space for the gasoline dispensing operations and truck sales remains on the site.

Nature of Confirmed Release:

In March of 2006, 5 underground storage tanks (USTs) were removed from the Atlantic Motors site. At the time of closure, holes were observed in 1 of the tanks, petroleum impacted soil and groundwater was observed in 1 of the 2 tank pits and approximately 10 tons of impacted soils were removed. Post closure samples collected from the tank excavations confirmed that several petroleum COCs were present in the soil and shallow groundwater at concentrations that exceeded the RSHS.

Site Characterization Actions Conducted To Date:

Site characterization activities were initiated by AGLO Environmental Consulting Services in March of 2006 as part of the closure of the USTs, with 21 post excavation soil samples being collected from the 2 tank excavations in which the 5 USTs had been located, along with a sample of water that was ponded in 1 of the UST excavations. The UST Closure Report, attached hereto, documented soil contamination above the RSHS beneath 2 of the tanks and contamination above the RSHS in the sample of the ponded water.

In September of 2006, Sigma Environmental Services, Inc. under contract to ANCO Environmental Services, Inc. completed 12 additional soil borings, from which 28 soil samples were collected, and installed 4 bedrock groundwater monitoring wells. Those wells were subsequently sampled in November of 2006 and the results reported in Sigma Environmental's January 2007 Site Characterization Report (SCR). The Sigma SCR, attached hereto, reported that only 1 of the 28 soil samples contained COCs above the RSHS.

On September 24, 2007, PaDEP responded to the SCR and determined that further work was necessary to adequately characterize the site and the extent of the contamination. (PaDEP Review Letter Attached).

Additional groundwater sampling was conducted on November 20, 2007; May 28, 2008; September 5, 2008; December 10, 2008; and, March 3, 2009. Groundwater sampling results are summarized by the following table.

Summary Table of Groundwater Sampling Results From Site Samplings
All Values Reported as Micrograms Per Liter µg/l

		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Cumene	1,2-Dibromoethane	1,2-Dichloroethane	Naphthalene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	Lead
MW-1													
	11/14/06	45.8	15.6	13.6	58.4	124	6.96	ns	ns	13.9	nd	nd	ns
	11/20/07	129	6.25	56.7	50.2	149	23.8	ns	ns	43.9	nd	nd	4.9
	05/28/08	8.15	nd	1.1	1.48	70.9	0.97	ns	ns	5.44	nd	nd	nd
	09/05/08	630	113	339	780	169	34.8	ns	ns	110	79.8	354	nd
	12/10/08	42.8	1.33	15.1	35.56	63.1	4.35	ns	ns	8.97	15.1	41.8	11.1
	03/02/09	13.1	<1.0	<1.0	<1.0	205	<1.0	<0.02	<1.0	1.97	ns	ns	<2
PaDEP Residential Statewide Health Standard		5	1,000	700	10,000	20	1,100	0.05	5	100	16	16	5

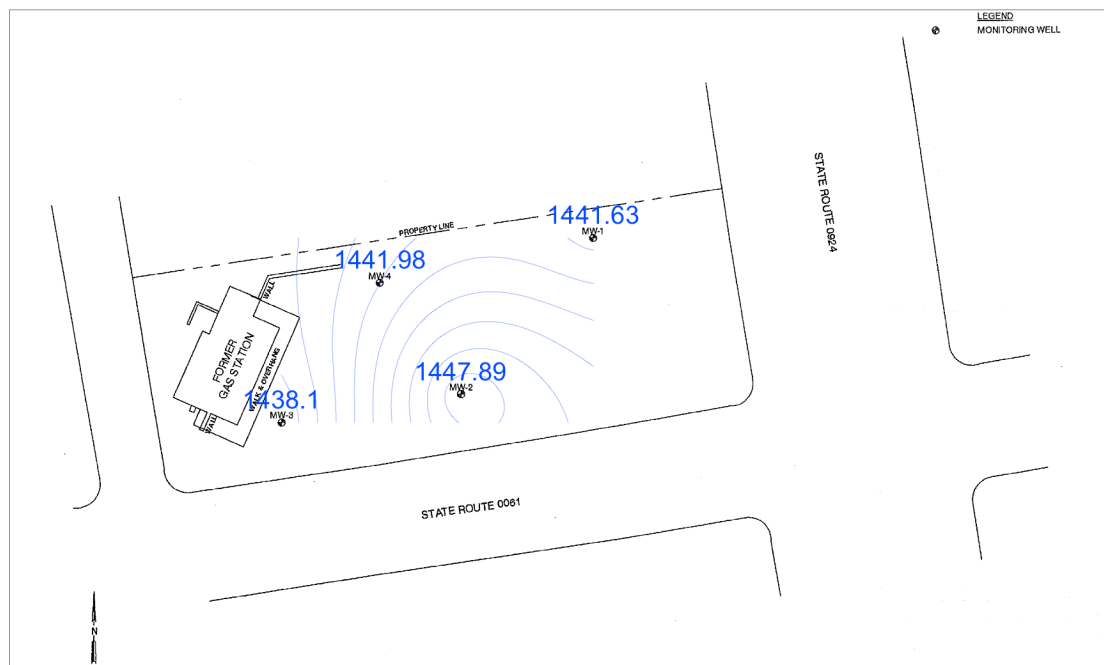
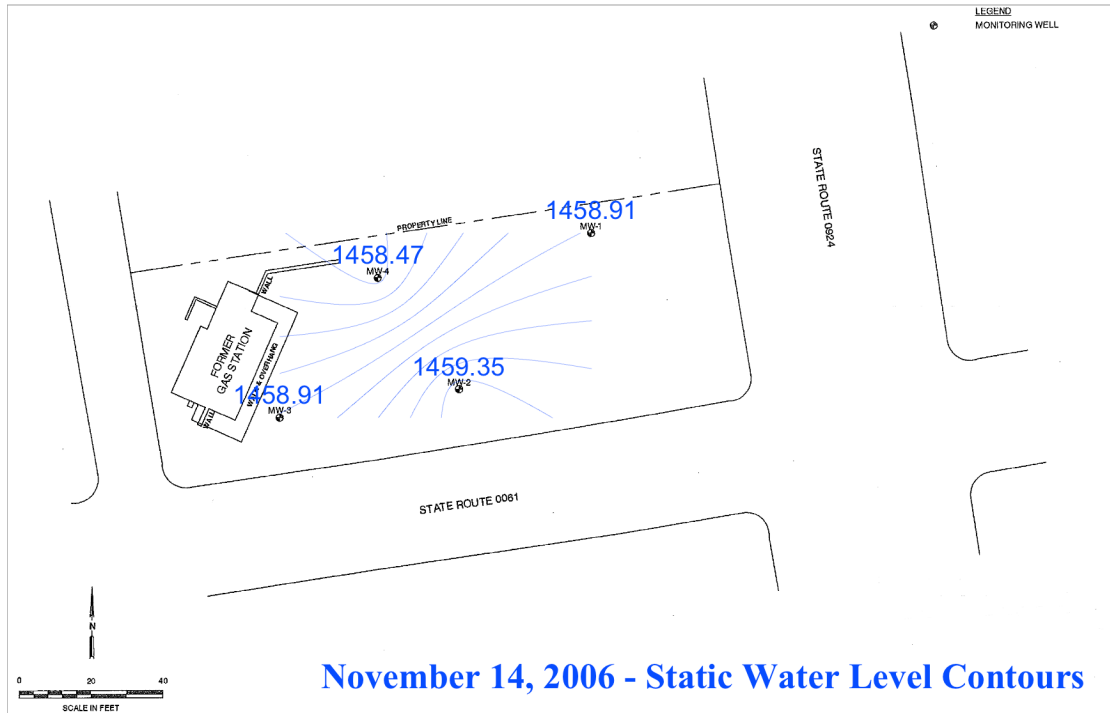
Summary Table of Groundwater Sampling Results From Site Samplings
All Values Reported as Micrograms Per Liter µg/l (continued)

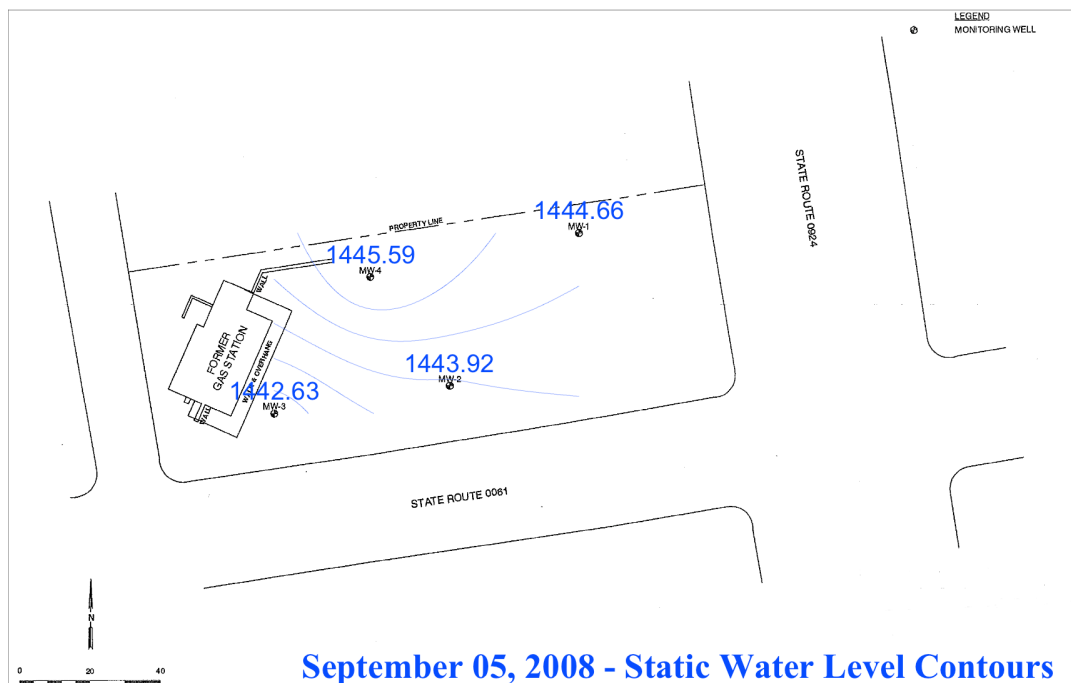
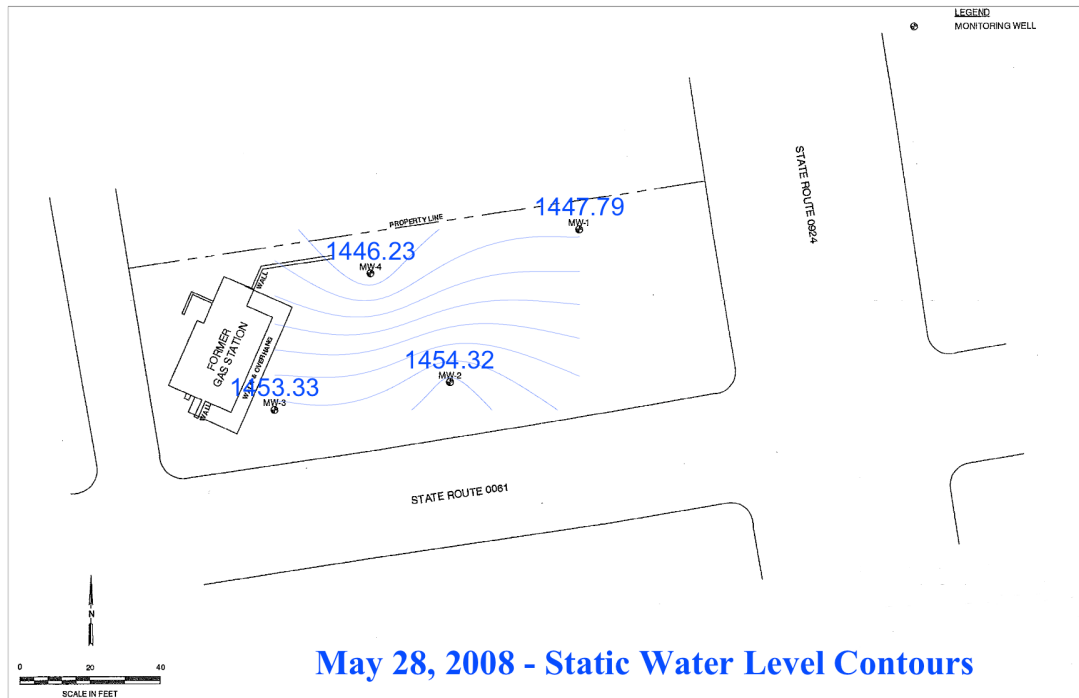
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Cumene	1,2-Dibromoethane	1,2-Dichloroethane	Naphthalene	1,2,5-Trimethylbenzene	1,2,4-Trimethylbenzene	Lead
MW-2													
	11/14/06	441	40.8	409	780.1	284	85	ns	ns	191	nd	nd	ns
	11/20/07	286	21.7	194	353.2	130	58.3	ns	ns	129	nd	nd	nd
	05/28/08	366	44.8	196	347.1	128	45.9	ns	ns	91.6	nd	nd	nd
	09/05/08	551	112	391	969	143	42.6	ns	ns	168	120	475	nd
	12/10/08	353	41.5	220	403.1	61.6	36.4	ns	ns	69.1	55.7	263	nd
	03/02/09	102	3.1	65.6	94.3	83.2	33.2	<0.02	<2	62.8	ns	ns	<0.2
MW-3													
	11/14/06	264	19.1	138	299.2	98	53.2	ns	ns	88.3	nd	nd	ns
	11/20/07	54.5	nd	23.4	10.8	27.2	21.7	ns	ns	17.8	nd	nd	nd
	05/28/08	108	7.45	40.8	52.95	45.8	12.2	ns	ns	30.4	nd	nd	nd
	09/05/08	330	21.2	221	357.6	351	56.2	ns	ns	180	153	579	nd
	12/10/08	224	11.8	183	222.8	113	45.1	ns	ns	91.9	82	435	nd
	03/02/09	64.2	4.17	57.6	56	14.5	23	<0.02	<2	43.2	ns	ns	<2
MW-4													
	11/14/06	385	948	443	1779	420	52.9	ns	ns	170	nd	nd	ns
	11/20/07	109	5.3	127	120	142	40.8	ns	ns	98.4	nd	nd	nd
	05/28/08	220	7.4	119	134.8	254	49.6	ns	ns	98.8	nd	nd	nd
	09/05/08	330	21.2	221	357.6	351	56.2	ns	ns	180	153	579	nd
	12/10/08	104	7.51	52.3	51.98	13.6	18.5	ns	ns	13.6	11	78.3	nd
	03/02/09	471	16	339	471	521	110	<0.02	<2	306	ns	ns	<2
PaDEP Residential Statewide Health Standard		5	1,000	700	10,000	20	1,100	0.05	5	100	16	16	5

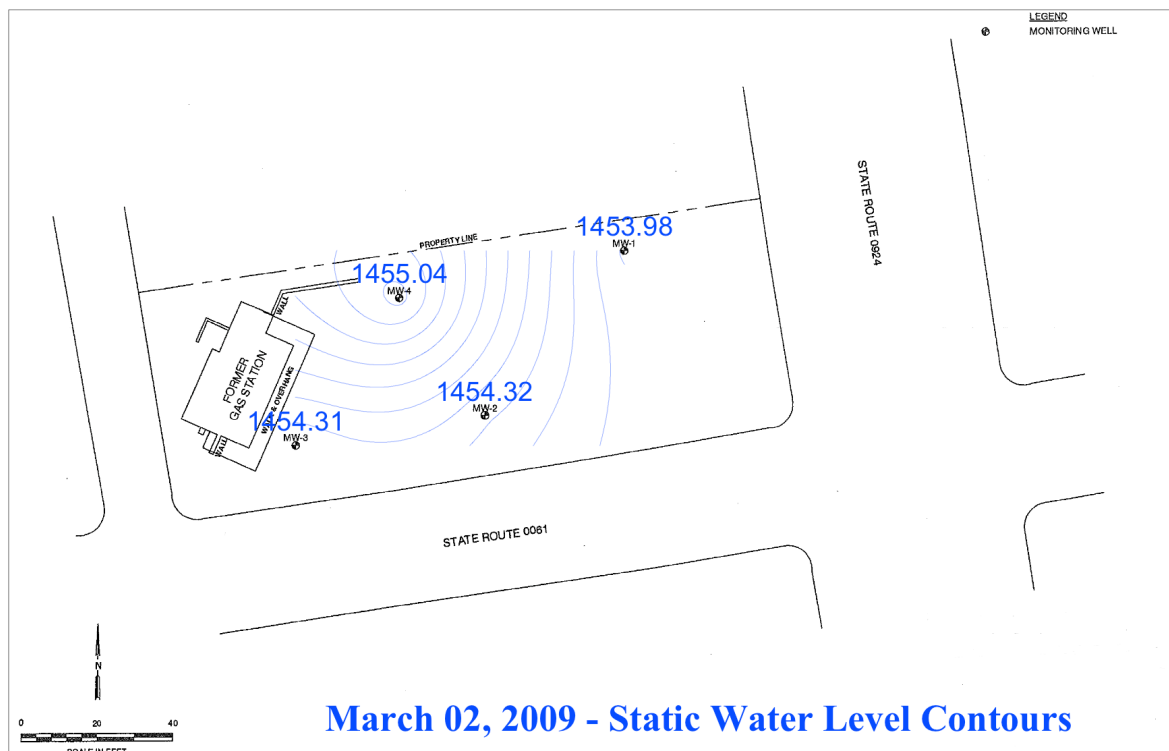
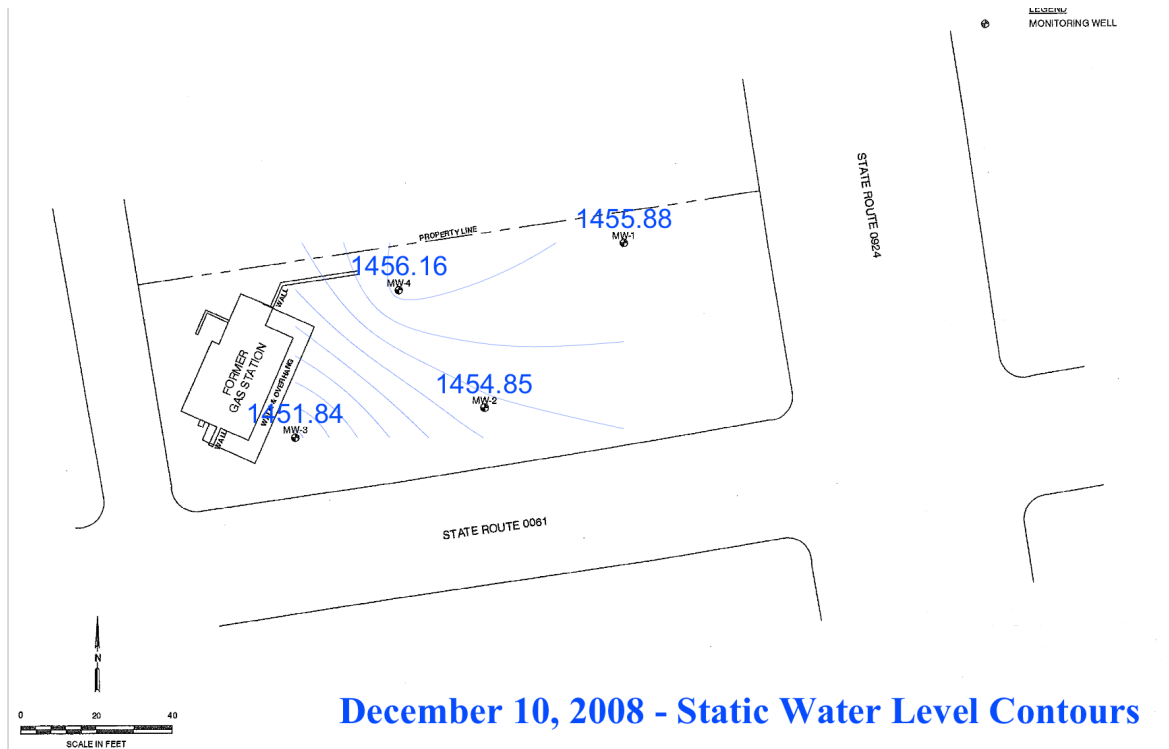
During each of the 6 groundwater sampling event, static water level measurements were taken from each of the 4 monitoring wells. Groundwater elevations are summarized by the following table and contours of those data and indicate groundwater flow in a generally northerly direction during the first 3 sampling events, but in a generally southerly direction during the last 3 events.

Summary Table of Static Water Level Measurements From Site Samplings

Monitoring Well ID	Sampling Date	Reference Elevation	Depth to Water	Static Water Elevation	Sampling Company
MW-1	11/14/06	1487.53	28.62	1458.91	Sigma Environmental
	11/20/07	1487.53	45.90	1441.63	Sigma Environmental
	05/28/08	1487.53	39.74	1447.79	Sigma Environmental
	09/05/08	1487.53	42.87	1444.66	Sigma Environmental
	12/10/08	1487.53	31.65	1455.88	Sigma Environmental
	03/02/09	1487.53	33.55	1453.98	Environmental Alliance
MW-2	11/14/06	1485.19	25.84	1459.35	Sigma Environmental
	11/20/07	1485.19	37.30	1447.89	Sigma Environmental
	05/28/08	1485.19	30.87	1454.32	Sigma Environmental
	09/05/08	1485.19	41.27	1443.92	Sigma Environmental
	12/10/08	1485.19	30.34	1454.85	Sigma Environmental
	03/02/09	1485.19	30.67	1454.52	Environmental Alliance
MW-3	11/14/06	1483.90	24.99	1458.91	Sigma Environmental
	11/20/07	1483.90	45.80	1438.10	Sigma Environmental
	05/28/08	1483.90	30.57	1453.33	Sigma Environmental
	09/05/08	1483.90	41.27	1442.63	Sigma Environmental
	12/10/08	1483.90	32.15	1451.84	Sigma Environmental
	03/02/09	1483.90	29.59	1454.31	Environmental Alliance
MW-4	11/14/06	1485.38	26.09	1458.47	Sigma Environmental
	11/20/07	1485.38	43.40	1441.98	Sigma Environmental
	05/28/08	1485.38	39.15	1446.23	Sigma Environmental
	09/05/08	1485.38	39.79	1445.59	Sigma Environmental
	12/10/08	1485.38	29.22	1456.16	Sigma Environmental
	03/02/09	1485.38	30.34	1455.04	Environmental Alliance







Constituents of Concern:

The COCs for the subject site are PaDEP unleaded gasoline constituents benzene, toluene, ethylbenzene, xylenes, isopropylbenzene, MTBE, naphthalene and TMBs

C. OBJECTIVES AND SCOPE OF WORK

This RFB seeks competitive bids from qualified consultants to complete the assessment of the confirmed petroleum release by timely completion of a Site Characterization Plus to fully define the environmental concerns in accordance with PaDEP requirements. The Site Characterization Plus is to be sufficiently comprehensive and is to include a thorough evaluation of appropriate remedial technologies capable of being implemented and achieving a Release of Liability (ROL) under the RSHS for the impacted soil and groundwater. **As this solicitation is for an Site Characterization Plus rather than a standard Site Characterization, it is imperative that the evaluation of remedial technologies be sufficiently detailed to permit the PaDEP to review and approve those technologies determined to be viable, so that when the remediation of the site is competitively bid, bidders will have the opportunity to select from multiple PaDEP approved viable alternative technologies.** As a result, bidders are advised that some limited scale pilot testing may be necessary to evaluate and to assess the viability of remedial technologies. With these goals in mind, bidder's proposals shall, at a minimum, include the following work elements:

Work Task 1.0 Project Planning/Management:

Task 1.1 Records Review/Documentation - The successful bidder shall review and document the site history and details of the release via document inspection, interviews and related activities including:

- Reviewing Federal, State and local environmental and other databases for the subject property and adjacent properties, as well as searching for any environmental liens filed against the property;
- Reviewing prior SCRs and sampling reports completed for the subject property, copies of which are included in Attachment 1 of this RFB;
- Identifying potential concerns with impacts to public and private water supplies, buildings or structures, stormwater and sanitary sewers and other underground utilities;²
- Identifying potential off-site sources which may have contributed to the identified contamination.
- Identifying drinking water wells on or within a ½ mile radius of the subject site;

² Scope of work includes the notification requirements specified in 25 PA Code §245.305

- Documenting of properties within a ½ mile radius of the subject site being connected to public water supplies; and,
- Reviewing the suspected location and volume of the release and affected media (soil, groundwater, surface water and/or vapor).

The successful bidder shall document the property historical records review and interviews by preparing a written detailed summary of research findings including site and vicinity general setting, current land use and planned land use on the property, descriptions of existing and proposed structures, utilities, groundwater wells, availability and connections to public water supplies, other improvements on the site and current and past uses of adjoining properties. A written summary of findings shall be prepared and submitted to the Technical Contact and the Solicitor and shall include a detailed discussion of existing and historical underground storage tanks (USTs), any above ground storage tanks (ASTs), pump islands, canopies and underground product conveyance piping systems including diagrams and any other fuel handling, storage or distribution facilities and any potential off-site sources which may have contributed to the contamination. Documentation of this initial work phase shall include maps, sketches, photos, interview sheets, or other relevant documentation supporting the text.

Task 1.2 Preparation of Project Guidance Documents - Documents to be prepared include a Site Specific Health And Safety Plan, a Field Sampling And Analysis Plan, a Quality Assurance/Quality Control Plan, a Pennsylvania One Call Notification Plan, a PennDOT Access/Notification Plan and/or other plans that may be required by regulations or that may be necessary and appropriate.³ Where applicable, the pertinent project guidance documents should be prepared in accordance with 25 PA CODE § 245.

Task 1.3 Project Management – The successful bidder shall complete necessary, reasonable and appropriate project management activities for the duration of the contract period consistent with release investigation projects. Such activities would be expected to include client communications/updates and meetings, permitting, record keeping, subcontracting, personnel and subcontractor management, quality assurance/quality control, scheduling and other activities.

Work Task 2.0 – Work Plan Implementation Activities:

Task 2.1 Licensed Professional Survey of Site/Base Map Preparation – The successful bidder shall have a professionally survey of the site completed by a Pennsylvania-licensed

³ In accordance with 25 PA Code 245.309. Successful bidder shall be responsible for contacting Pennsylvania One Call prior to any invasive field work. In addition, successful bidder shall be responsible for obtaining all necessary permits for monitoring wells drilled in PennDOT or municipal rights-of-ways or cartways.

surveyor including all site features (i.e. - buildings, structures, property boundaries, USTs, ASTs, conveyance lines (if known), pump islands, canopies, groundwater monitoring wells and soil boring locations, supply wells, overhead and underground utilities, topography, uses of adjacent properties, rights-of-way, etc.). A professionally sealed reproducible base map shall be included in the SCPR.

Task 2.2 Soil Borings and Monitoring Wells – The successful bidder shall install a sufficient number of additional soil borings and groundwater monitoring wells at appropriate locations, both on and off the subject property, to fully define the extent of contamination. Bidders shall identify the locations and construction details of all proposed wells and borings, along with a narrative detailing the rationale for each proposed well and boring⁴.

Subsequent to installing the soil borings and wells all wells and borings shall be surveyed by a professional surveyor to identify locations on the scaled base site plan and to determine top of casing elevations (elevation above mean sea level).

Task 2.3 Groundwater Sampling - The successful bidder shall complete regular quarterly groundwater monitoring of all on-site and off-site monitoring wells until such time as continued sampling is ordered terminated by PaDEP or the solicitor⁵.

Prior to the collection of any groundwater samples, the successful bidder shall collect and record static water levels measurements for the 3 on-site wells.

Following the collection of static water levels from all wells, the successful bidder shall purge and sample the wells for the COCs (i.e. - benzene, ethylbenzene, isopropylbenzene, MTBE, naphthalene, toluene, xylene, fluorene and phenanthrene).

During each sampling event, 1 trip blank (provided by laboratory) and 1 blind duplicate QA/QC groundwater sample shall be collected and analyzed for the COCs.

Low-flow groundwater purging/sampling techniques shall be used to purge and collect groundwater samples from the monitoring wells unless this method is not viable for documented technical reasons.

All samples shall be placed in new laboratory pre-cleaned 40 milliliter (ml) glass VOC vials, acid preserved with hydrochloric acid and packed on ice and transported to an independent NELAC certified testing laboratory for analysis of the COCs via EPA Method 8260B.

⁴ In accordance with the PaDEP Groundwater Monitoring Guidance Manual, Document # 383-3000-001 dated December 1, 2001.

⁵ For bidding purposes, bidders should assume 8 quarters of quarterly monitoring.

Full chain-of-custody records shall be completed and maintained for each sampling event.

The bidder is advised that their calibration of the required Fate and Transport Model, the development of a proper site conceptual model and the subsequent demonstration of attainment relies heavily on this data.

If separate-phase liquids are encountered during the groundwater sampling, a sample of the separate-phase liquid shall be collected and properly containerized / stored and the Technical Contact shall be notified. USTIF may request (under a separate work scope) that the separate-phase liquid sample be analyzed for forensic properties.

Task 2.4 Quarterly Sampling Reporting - Upon completion of each quarterly sampling event, the successful bidder shall review and analyze the results of the static water level measurements and the reports of the laboratory testings and shall compile and submit a Quarterly Sampling Report (QSR). Each QSR shall include copies of the static water level elevations collected from each well, a contour map of the static water levels, copies of the laboratory reports of the sample analyses, a summary table of analytic results, including all prior sampling results, isocon mapping of COCs found above the RSHS and copies of the purging records and field notes of each sampling event. One copy of each QSR shall be provided to PaDEP, 1 copy of each QSR shall be provided to the Solicitor and 1 additional copy of each QSR shall be provided to the ICFI Representative. QSRs are to be submitted to the parties identified above within 30-days of the successful bidder's receipt of the laboratory results of the sampling event.

Task 2.5 Aquifer Testing – Slug tests shall be complete within multiple wells to identify the horizontal and vertical spatial variability in the aquifer characteristics⁶. Both rising and falling head tests shall be completed at each tested well. The evaluation of the rising and falling head test data shall be performed according to the Bouwer and Rice method for completely or partially penetrating wells in unconfined or semi-confined aquifers. Should the test data suggest confined aquifer conditions, then another method of data reduction shall be used such as the curve matching techniques developed by Cooper.

Task 2.6 Fate and Transport Modeling - Fate and Transport Modeling shall be completed using the Quick Domenico two-dimensional analytical model to predict fate and transport of COCs exceeding the RSHS in groundwater beneath the subject site. Bidders may propose the use of additional fate and transport models to be used along with the Quick Domenico model, if appropriate.

⁶ Slug test work shall be completed as per accepted industry standards and in accordance with the American Society for Testing and Materials (ASTM) standards as defined in ASTM D4104-96 (2004), ASTM D5785-95 (2000), ASTM D5881-95 (2000) and ASTM D5912-96 (2004).

Task 2.7 Vapor Intrusion Into Buildings – The successful bidder shall complete vapor intrusion investigations consistent with the Land Recycling Technical Guidance Manual – Section IV.A.4 Vapor Intrusion Into Buildings from Groundwater and Soil under the Act 2 Statewide Health Standard, Document 253-0330-100, dated January 24, 2004.

Work Task 3.0 – Waste Management and Disposal:

The successful bidder shall manage purge water from the on-site monitoring wells consistent with the guidelines set forth by PaDEP's Groundwater Monitoring Guidance Manual PaDEP Document # 383-3000-001. For cost estimation purposes, bidders shall assume that low flow purge water shall be treated on-site through granular activated carbon for surface discharge, provided PaDEP approval is secured by successful bidder.

The successful bidder shall manage soil, drill cuttings and development water from the soil boring and well installations. For cost estimation purposes, bidders shall assume that they are responsible for segregating and containerizing soil and well cuttings and purge water in DOT-approved 55-gallon drums, and transporting the drums to an on-site staging location designated by the Solicitor. Bidder is also responsible for sampling and analyzing the cuttings and purge water and to characterize them and determine appropriate means of disposal (e.g., clean fill, landfill, etc.). Disposal of the soil and well cuttings and purge water is not included in this bid.

Work Task 4.0 – Site Characterization Plus Report:

Reporting of the results of the site characterization shall be in the form of a Site Characterization Plus Report (SCPR) which shall include sufficiently detailed remedial technology evaluations to permit PaDEP's review and approval of those technologies which are determined to be viable to remediate the identified contamination at the subject site. The format and content of the report shall be generally consistent with 25 PA Code §245 309, except that a substantially more rigorous evaluation of the remedial alternatives shall be included. The SCPR shall be sealed by a Professional Geologist registered in the Commonwealth of Pennsylvania. A draft of the SCPR shall be submitted electronically (in Adobe PDF format) to the Technical Contact and a hard copy shall be submitted to both the Solicitor and Technical Contact for review/comment prior to finalizing the SCPR. Once the successful bidder has addressed comments on the draft, the successful bidder shall finalize and issue the SCPR to PaDEP. All AutoCAD maps/plans included in the report (e.g., site plan/base map, groundwater elevation maps, dissolved plume maps, soil contaminant distribution maps, etc.) shall also be submitted electronically on CD to the Technical Contact.⁷

⁷ Figures and AutoCAD drawings are to be prepared on no larger than Ledger Sized (11" x 17") paper.

The scope of work as described above shall be conducted in accordance with industry standards/practices, and consistent with the PaDEP requirements and guidelines (e.g. the current PaDEP Groundwater Monitoring Guidance Manual Document No 383-3000-0011)⁸

Each bidder should carefully review the existing site information provided in Attachment 1 to this RFB and seek out other appropriate sources of information to develop a cost estimate and schedule leading up to and including preparing the SCPR. Bids that demonstrate a command of existing site information and offer a comprehensive/complete vision for the necessary characterization of the site to fully define the environmental concerns associated with the release in accordance with PaDEP requirements and fully evaluate appropriate remedial technologies capable of being implemented to attain an ROL under the RSHS for the impacted soil and groundwater will be regarded as responsive to this solicitation.⁹

D. QUALIFICATION QUESTIONS

In order for proposals to be considered administratively complete, bidder's proposals must provide answers to the five (5) qualifications and experience questions provided below:

- Does your company employ the Pennsylvania licensed Professional Geologist (P.G.) that is designated as the proposed project manager? How many years of experience does this person have?
- How many Chapter 245 projects are your company currently consultant on record for in the Northeast region of Pennsylvania? Please List.
- How many Chapter 245 projects have your company and/or the proposed Pennsylvania licensed P.G. worked on in the Northeast region of Pennsylvania during the last five (5) years?
- How many Chapter 245 projects have your company and/or the Pennsylvania licensed P.G. lost (i.e., obtained relief from liability from the PADEP) using either the Statewide Health Standards or Site Specific Standards? Please list.
- Has your company ever walked away from a USTIF Fixed Price Contract or Pay For Performance contract without attaining all of the Milestones? If so, please explain why the contract was not fulfilled?

⁸ In the event that site conditions preclude adherence to industry standards/practices, and consistent with the PaDEP requirements and guidelines bidders shall proposal alternate techniques which must be preapproved by the Technical Contact and PaDEP prior to implementation.

⁹ If bidders believe additional work steps beyond work scope items identified herein are necessary to complete the SCPR, these items should be identified in the bidder's proposal. Reasonable, necessary and appropriate work that is performed outside of this scope of work due to unforeseen conditions shall be reimbursed according to the unit rate schedule.

E. TYPE OF CONTRACT/BID INSTRUCTIONS

The Solicitor wishes to execute a mutually agreeable **cost not-to-exceed time-and-materials contract** (sample attached hereto) based on unit prices for labor, equipment, materials, subcontractors/vendors and other direct costs. The total cost quoted by the successful bidder will be the maximum amount to be paid by the Solicitor unless a change in scope is authorized and determined to be reasonable, necessary and appropriate.

The bidding firm must include the following in their proposal:

- A demonstration of the bidder's understanding of the objectives of the project, the bidder's approach to achieving those objectives efficiently, and existing site information provided in this RFB; and
- A detailed **cost not-to-exceed** quotation for the completion of the scope of work;
- A detailed schedule of activities for completing the proposed scope of work inclusive of reasonable assumptions regarding the timing and duration of client and/or regulatory agency reviews (if any) need to complete the scope of work of work to complete the scope of work defined by this RFB;
- Indication of whether the bidder accepts or seeks changes in the proposed contract/terms and conditions;
- A copy of the bidder's proposed contract/terms and conditions;
- The bidder's levels of insurance;¹⁰
- The bidder's proposed unit cost rates for each expected labor category, subcontractors, other direct costs and equipment;
- The bidder's proposed markup on other direct costs and subcontractors (if any);
- Identification and detailed description of subcontractor use and involvement;
- Identification of any exceptions, assumptions or special conditions applicable to the scope of work;

¹⁰ The successful bidder agrees and shall submit evidence to Solicitor and Technical Contact before beginning work that bidder has procured and will maintain Workers Compensation: commercial general liability insurance in the amount of \$1,000,000; contractor pollution liability insurance in the amount of \$1,000,000; automobile liability insurance in the amount of \$1,000,000; and professional liability insurance in the amount of \$1,00,000 for the work to be performed.

- Costs by task and not-to-exceed costs must be defined within the proposal text and on the cost spreadsheet included in Attachment 1 and the bidder's cost by task consistent with the proposed scope of work identifying all level-of-effort and costing assumptions;
- A statement of qualifications including that of any major subcontractor(s);
- Description of the bidders approach to working with PaDEP from project inception through PaDEP approval of the SCPR. Description of how PaDEP would be involved proactively in the resolution of any technical issues and how the PaDEP case team will be kept informed of activities at the Site;
- Description of how the Solicitor and ICFI/USTIF will be kept informed as to project progress and developments and how Solicitor (or designee) will be informed of and participate in evaluating technical issues that may arise during this project;
- Answers to the qualification questions discussed in the RFB;
- Identification and resumes of the members of the proposed project team for key project staff, including the proposed Professional Geologist of Record who will be responsible for overseeing the work and applying a Pennsylvania Professional Geologist's Seal to the project deliverables.

The bidder shall provide its bid pricing using the format identified in this RFB and will provide brief descriptions of each task in the body of the bid document. Also, the bidder must complete the detailed cost sheet (in Microsoft Excel Format) included within Attachment 1 of this RFB.

The scope of work, as described within this RFB, shall be conducted in accordance with industry standards and practices, and consistent with PaDEP requirements and guidelines. The successful bidder's work to complete all work tasks associated with this RFB will be subject to ongoing review by the PaUSTIF or its representatives to assess whether the work actually completed and the associated incurred costs are reasonable, necessary and appropriate

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

The bid responses must clearly and unambiguously accept the provided contract or must clearly cross reference any requested changes.

Each bid package received will be assumed to be good for a period of up to 120 days after receipt unless otherwise noted. Please note that ICFI, PaUSTIF and Earth Resource Associates will treat

the bids as confidential, but that limited general information may be released to the Solicitor and/or Earth Resource Associates after the bid selection process is completed. In addition, for your reference, a copy of the PaUSTIF Competitive Bidding Fact Sheet is provided within Attachment 1. The aforementioned guidance document provides you with additional information relative to the bidding process.

F. MANDATORY SITE VISIT

On August 10, 2009, the Technical Contact (or his designee) will be available at the site at 10:00 AM to answer questions and conduct a site tour for a limited number of participants per firm. Prospective bidders must inform the Technical Contact, in writing, at least five (5) business days in advance of the aforementioned meeting date as to whether your firm will be in attendance, do not contact the Solicitor. **Any firm that does not attend the August 10, 2009 mandatory site visit will not be eligible to submit a bid response.**

ATTACHMENT 1

Project Documents

1. March 27, 2006 Notice of Reportable Release
2. AGLO UST Closure Report (April 10, 2006)
3. AGLO Progress Report (April 28, 2006)
4. May 10, 2006 PaDEP Closure Report Comment Letter
5. November 16, 2006 PaDEP NOV Letter
6. ANCO December 2007 Site Characterization Report
7. September 21, 2007 PaDEP Site Characterization Report Comment Letter
8. Sigma November 20, 2007 Groundwater Monitoring Report
9. May 5, 2008 PaDEP Comment Letter
10. Sigma May 28, 2008 Groundwater Monitoring Report
11. Sigma December 10, 2008 Groundwater Monitoring Report
12. Environmental Alliance March 3, 2009 Groundwater Monitoring Report (April 2009)
13. PaDEP Groundwater Monitoring Guidance Manual, Document # 383-3000-001(December 1, 2001)
14. Standardized Bid Format (Microsoft Excel)
15. PaUSTIF Competitive Bidding Fact Sheet
16. Sample Remediation Agreement (contract)