

March 11, 2009

Mr. Chuck Bowman
Buyer Supervisor
West Virginia Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, West Virginia 25305

RECEIVED

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WV PURCHASING
DIVISION

Subject: DEP 14601 Request For Quote
Leaking Underground Storage Tank Removal and Assessment Oversight
Various Sites throughout West Virginia

Dear Mr. Bowman:

Triad Engineering, inc. is pleased to submit this quote to conduct oversight of contractors during the removal of underground storage tanks (UST) and assessments of leaking underground storage tanks (LUST) throughout the entire state of West Virginia. We understand that the West Virginia Department of Environmental Protection is responsible for oversight of the removal and assessment process and will separately retain a contractor to implement such work. Our role in this contract would be to oversee that contractor and to assure that UST and LUST sites are assessed and closed in compliance with the appropriate State regulations, and according to accepted industry standards.

The Request for Quotation specifies minimum qualifications to be considered for this contract, in addition to being the lowest cost provider. Triad Engineering is a West Virginia based firm, specializing in environmental consulting and engineering services for over 30 years. Triad has successfully completed hundreds of projects throughout the state of West Virginia involving:

- UST and LUST site assessments and permanent closures,
- West Virginia Voluntary Remediation Program assessments (including 22 Certificates of Completion),
- Phase I and Phase II Environmental Site Assessments,
- Superfund Preliminary Site Inspections,
- Superfund Site Inspection Reassessments,
- EPA Brownfield Site Assessments,
- Assessment and remediation of petroleum contaminated sites, and

- Installation of groundwater monitoring and recovery wells and groundwater treatment systems.

Triad will staff projects under this contract with personnel from three offices that will provide thorough statewide coverage: St. Albans, West Virginia, Morgantown, West Virginia and Winchester, Virginia. Triad personnel from each of these offices possess the requisite qualifications and experience to successfully oversee these projects. Using staff from three offices affords us the ability to manage multiple concurrent projects in geographically different areas of the state.

Mr. Walter C. Showen, III, LRS, Manager of Environmental Services for our St. Albans, West Virginia office, will be responsible and accountable for Triad's overall operations and will be the primary point of contact for the WV DEP. Triad personnel selected for this project have vast experience dealing with UST, LUST and petroleum contaminated sites and include Licensed Remediation Specialists, Geologists, Licensed Monitoring Well Drillers, Chemists, Environmental Scientists and Project Managers. Resumes for individuals who will provide services under this contract are enclosed for your review, in accordance with the RFQ.

Also included with this submittal are the mandatory Vendor Bid Submission Checklist and the Bid Schedule showing our flat hourly rate to provide the oversight services, inclusive of labor, travel and materials consumed during the course of the contract. We understand that the contract will be awarded to up to three vendors, based on qualifications and cost and that individual projects will be awarded based on cost and availability of personnel.

We appreciate the opportunity to submit this quotation and look forward to working with the WV DEP if we are selected as one of the vendors. Please feel free to contact us should you have any questions or need additional information.

Sincerely,

Triad Engineering, Inc.



Walter C. Showen, III, LRS
Environmental Services Manager



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 DEP14601

PAGE
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ADDRESS CORRESPONDENCE TO ATTENTION OF
 CHUCK BOWMAN
 304-558-2157

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
 Triad Engineering, Inc.
 4980 Teays Valley Road
 Scott Depot, WV 25560

SHIP TO

ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 ENVIRONMENTAL REMEDIATION
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

| DATE PRINTED | TERMS OF SALE | SHIP VIA | FOB | FREIGHT TERMS |
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| 0001 | 1 | EA | | 946-20 | | |
| <p>OVERSIGHT/QAQC SERVICES</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WV DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING BIDS FROM QUALIFIED CONTRACTORS FOR A CONTRACT TO PROVIDE OVERSIGHT/QAQC SERVICES FOR THE REMOVAL OF UNDERGROUND STORAGE TANKS (UST) AND ASSESSMENTS AT VARIOUS LOCATIONS IN WEST VIRGINIA PER THE FOLLOWING SPECIFICATIONS, BID REQUIREMENTS, TERMS & CONDITIONS, AND THE ATTACHED BID SCHEDULE.</p> <p>DUE TO THE EXPEDITIOUS MANNER IN WHICH THIS CONTRACT MUST BE EVALUATED, AWARDED, AND ADMINISTERED, THE AGENCY MUST REQUIRE THAT ALL SUBMISSIONS OF KEY PERSONNEL RESUMES BE INCLUDED WITH THE BID SUBMISSION. PLEASE REFER TO THE ATTACHED VENDOR CHECKLIST.</p> <p>FURTHERMORE; IT IS PREFERRED THAT ALL CERTIFICATES OF INSURANCE, LICENSES, ETC., REQUIRED PRIOR TO THE ISSUANCE OF THE PURCHASE ORDER/CONTRACT BE SUBMITTED BY THE SUCCESSFUL VENDOR(S) WITHIN 48 HOURS OF THE INITIAL REQUEST.</p> <p>A FORMAL QUESTION/COMMENT PERIOD WILL EXTEND UNTIL 4:00 PM, FRIDAY, FEBRUARY 28, 2009. ALL REQUESTS MUST BE DIRECTED TO THE BUYER IN WRITING PRIOR TO THE DEADLINE NOTED ABOVE. PLEASE SEE THE THE ATTACHED SPECIFICATIONS FOR DETAILED INSTRUCTIONS FOR QUESTION & COMMENT SUBMISSIONS.</p> | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: 304-755-0721 DATE: 3-12-09
 TITLE: Vice President FIRM: 55-0592364 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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| <p>PLEASE THOROUGHLY REVIEW THE FOLLOWING SPECIFICATIONS AND BID REQUIREMENTS AS WELL AS THE ATTACHED AGENCY RFQ SPECIFICATIONS WITH REGARD TO THE VENDOR BID SUBMISSION CHECKLIST.</p> <p>EXHIBIT 3:</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE UPON AWARD AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> | | | | | | |

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| <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK.)</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.</p> <p>WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL.</p> <p>APPLICABLE LAW</p> <p>THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULES AND REGULATIONS, AND THE INFORMATION PROVIDED IN</p> | | | | | | |

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| <p>THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING DIVISION IS THE SOLE AUTHORITY GOVERNING THIS PROCUREMENT.</p> <p>ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO EFFECT.</p> <p>ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:</p> <p>(XX) INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF COMMERCIAL GENERAL LIABILITY INSURANCE PRIOR TO ISSUANCE OF CONTRACT. UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS, THE MINIMUM AMOUNT OF INSURANCE COVERAGE REQUIRED IS \$250,000.</p> <p>EXHIBIT 10</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NOS.:</p> <p>NO. 1 <input checked="" type="checkbox"/></p> <p>NO. 2 <input type="checkbox"/></p> <p>NO. 3 <input type="checkbox"/></p> | | | | | | |

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TITLE: Vice President FEEIN: 55-0592364 ADDRESS CHANGES TO BE NOTED ABOVE

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| NO. 5 | | | | | | |
| <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p>.....SIGNATURE</p> <p>Triad Engineering, Inc.COMPANY</p> <p>3-12-09DATE</p> <p>REV. 11/96</p> <p>CONTRACTORS LICENSE</p> <p>WEST VIRGINIA STATE CODE 21-11-2 REQUIRES THAT ALL PERSONS DESIRING TO PERFORM CONTRACTING WORK IN THIS STATE MUST BE LICENSED. THE WEST VIRGINIA CONTRACTORS LICENSING BOARD IS EMPOWERED TO ISSUE THE CONTRACTORS LICENSE. APPLICATIONS FOR A CONTRACTORS LICENSE MAY BE MADE BY CONTACTING THE WEST VIRGINIA DIVISION OF LABOR CAPITOL COMPLEX, BUILDING 3, ROOM 319, CHARLESTON, WV 25305. TELEPHONE: (304) 558-7890.</p> <p>WEST VIRGINIA STATE CODE 21-11-11 REQUIRES ANY</p> | | | | | | |
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| <p>PROSPECTIVE BIDDER TO INCLUDE THE CONTRACTORS LICENSE NUMBER ON THEIR BID.</p> <p>BIDDER TO COMPLETE:</p> <p>CONTRACTORS NAME: Triad Engineering, Inc.</p> <p>CONTRACTORS LICENSE NO.: WV006875</p> <p>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: CB-23</p> <p>RFQ. NO.: DEP14601</p> | | | | | | |

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| | 304-755-0721 | 3-12-09 |
| TITLE Vice President | FERN 95-0592364 | ADDRESS CHANGES TO BE NOTED ABOVE |

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| PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: | | | | | | |
| ----- 304-755-1880 ----- | | | | | | |
| CONTACT PERSON (PLEASE PRINT CLEARLY): | | | | | | |
| ----- Walter Showen ----- | | | | | | |
| ***** THIS IS THE END OF RFQ DEP14601 ***** TOTAL: | | | | | | 35,000 |

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DEP14601
RFQ SPECIFICATIONS

The West Virginia Department of Environmental Protection (DEP) is releasing this request for quotations (RFQ) to qualified vendors to conduct oversight of contractors during implementation of the removal of underground storage tanks (USTs) and assessments of leaking underground storage tanks (LUST) throughout the entire state of West Virginia. Contracts will be issued to up to three (3) vendors.

As part of this RFQ, a question and comment period will extend until 4pm on Friday, February 27, 2009. All questions or requests for clarification are to be sent in writing to the State Purchasing Division Buyer responsible for the advertisement of this Request for Quotation. **Vendors shall not contact the agency at any time during this advertisement.** Any new or clarifying information concerning the RFQ will result in an addendum being issued by the Buyer.

Please send all inquiries to: Chuck Bowman, Buyer Supervisor
West Virginia Purchasing Division
2019 Washington Street, East
PO Box 50130
Charleston, WV 25305
FAX: 304.558.4115
e-mail: charles.a.bowmanjr@wv.gov

Background of the Program

The West Virginia Department of Environmental Protection (WVDEP), Division of Land Restoration (DLR), Office of Environmental Remediation (OER) is responsible for oversight of Corrective Action at Leaking Underground Storage Tank (LUST) facilities. Under certain conditions WVDEP may use funds from the U.S. EPA to take action to protect human health and the environment when no owner or operator can be found or the owner/operator is not willing or able to take action. Sites that pose the greatest threat to health and the environment will be addressed to protect the citizens of West Virginia from the potential environmental harm caused by leaking underground storage tanks. It is the intent of this contract to have vendor to oversee limited site assessments and proper closure of abandoned petroleum leaking underground storage tank sites.

Scope of Work

On-site contractor is a contractor hired by WVDEP to perform tank removals and limited site assessment work. Vendor shall receive a copy of the on-site contractor assigned work directive and notice to proceed.

The vendor shall oversee the implementation of the removal of USTs and limited assessments performed by on-site contractors in accordance with their assigned work directives.

- A. Observe UST removal activities being performed by on-site contractor which include and may not be limited to:
- The removal and proper disposal of petroleum contaminated water, rinsate and / or product.
 - The transportation of petroleum contaminated water, rinsate and / or product to a disposal facility.
 - Purging vapors from the UST's to < 10% LEL.
 - Excavation and extraction of UST / piping from the ground.
 - Cutting openings and cleaning sludges from the UST.
 - Disposing / scrap cleaned UST's, disposal of tank cleaning sludges.
 - The proper stockpiling and confinement of petroleum contaminated soils.
 - Properly disposing of non-hazardous materials.
 - Backfilling excavations.
- B. Observe the collection and proper preservation of soil and water samples from the UST pit.
- C. Observe direct push activities and other assessment activities conducted by the on-site contractor.
- D. Observe all other activities by the on-site contractor according to their assigned work directives.
- E. Keep record of daily field activities which include but not limited to: field notes, site sketches, digital pictures, record of quantities used, and time sheets.
- F. Confirm by using a DEP provided sworn statement form that all work has been performed and that the job has been completed according to the specifications and time frames as stated in the on-site contractor's assigned work directive.
- G. Complete and submit a DEP provided on-site contractor evaluation form.

Requirements

The vendor shall furnish all necessary and appropriate personnel, materials, and services needed for, or incidental to, overseeing the UST removals and assessments.

The vendor selected to carry out this contract will:

- Have all field personnel complete the mandatory 40 hour health and safety training course, with annual refresher, in accordance with the requirements of the Occupational Safety and Health Administration 29 CFR 1910.120.
- ***Submit with bid the names and qualifications/resume of key personnel (actual personnel performing the oversight) that will be assigned to work on this project.***

Also submit the name and contact information for who is responsible and accountable for the vendor's overall operations shall be designated as a contact for WVDEP.

Individuals working for the vendor must have background work and experience in the following areas (must submit this information in their qualifications/resume along with their bid):

- 1) At least 5 years of experience in UST removals according to West Virginia State regulations and Federal regulations.
- 2) At least 5 years of petroleum environmental site assessments.
- 3) Knowledge of proper UST closure procedures in accordance with WVDEP closure policies, state and federal regulations.
- 4) Knowledge of 47CSR59 "Monitoring Well Regulations" and 47CSR60 "Monitoring Well Design Standards".

Bidding

Oversight Activities – A flat rate per hour will be the total charge to the state and will cover the full cost of all work hours including labor, travel and materials. The vendor will be contracted to provide "oversight" services on an "as needed" basis only.

Invoicing

The vendor will invoice DEP on a monthly basis. All invoices must be accompanied by a sworn statement detailing actual hours worked.

Vendor Registration

The apparent successful vendor must be registered prior to the award of an actual contract. To become a registered vendor you can call 304-558-2311 and obtain a Vendor registration and Disclosure Statement, Form WV-1.

Oversight

Work and services to be performed under this contract shall be subject to continuous monitoring and inspection by the State's authorized representatives.

Additional Information

Vendor shall be expected to oversee more than one project at a time. The contractor shall have sufficient staff to cover several work projects going on at the same time. Initially, DEP expects a high volume of projects to be performed in a limited amount of time.

Vendor/individual may not oversee a project in which their company is performing work as "on site primary or sub-contractor".

In accomplishing services to fulfill the requirements of this RFQ, the vendor/individual shall not create any adverse environmental effects, and shall be responsible for compliance with all

applicable local, state and federal environmental and occupational health and safety laws and regulations pertinent to the work.

WVDEP shall hold vendor harmless due to any negligence on part of the on-site contractor.

Ordering Procedure

- A. This is an indefinite quantity contract for QAQC services as specified in this RFQ for the period set forth herein. Delivery or performance shall be made in accordance with the provisions of this contract.
- B. Work will be ordered by WVDEP by issuance of a Work Directive which shall include the location of the project site and any and all other pertinent project information.
- C. A Work Directive may contain work directives for more than one site if the sites are in close proximity of each other.
- D. The Work Directive shall be awarded in the following manner:
 - To the first lowest awarded vendor.
 - The work directive will include an acceptance/refusal form that must be completed, signed and returned to the WVDEP by email or fax within specified time frames.
 - If the vendor accepts the work directive, then a work shall begin upon notice to proceed from DEP.
 - If the vendor refuses or does not return the acceptance/refusal form, the work directive will be offered to the 2nd awarded vendor and then to the next vendor in consecutive order of lowest bid until it is accepted and work is started.

Life of Contract

This contract becomes effective upon award and extends for a period of one (1) year or until such "reasonable time" thereafter as is necessary to obtain a new contract or renew the original contract. The "reasonable time" period shall not exceed twelve (12) months. During this "reasonable time" the vendor may terminate this contract for any reason upon giving the Director of Purchasing 30 days written notice.

This contract may be renewed upon the mutual written consent of the spending unit and vendor, submitted to the Director of Purchasing thirty (30) days prior to the expiration date. Such renewal shall be in accordance with the terms and conditions of the original contract and shall be limited to two (2) one (1) year periods.

Vendor Bid Submission CHECKLIST

RFQ# DEP14601

QA/QC & Assessment of Underground Storage Tanks (UST) and Leaking Underground Storage Tank (LUST) Removal

In an effort to aid the Department of Environmental Protection during the expedited evaluation and award period, the West Virginia Purchasing Division has developed the following vendor checklist for this advertisement. Please check-off the items below indicating your compliance.

Vendors MUST complete this checklist, sign, and date it for inclusion with their bid submittal. Failure to include this checklist and the additional requirements noted herein may result in disqualification of the vendor's bid.

- I have read & understand the scope of work as specified herein.
- I understand I may be required to oversee multiple project sites concurrently.
- I understand the method in which work directives will be issued as stated in the specifications.
- I have read & understand the mandatory requirements of the bid submission as specified herein.
- I have included the names and qualifications/resumes of key personnel who will be assigned to this project in accordance with the required criteria specified herein.
- I have or will have all field personnel complete the mandatory 40 hour health & safety training course in accordance with the requirements of OSHA 29 CFR 1910.120, prior to commencement of any issued work directive.
- I have entered my flat hourly billing rate inclusive of labor, travel, & materials in the space provided on the attached bid schedule.

Company Name: Triad Engineering, Inc.

Signature: 

Date: 3-12-09

**DEP14601
Bid Schedule**

Company Name: Triad Engineering, Inc.
Address: 4980 Teays Valley Road
Scott Depot, WV 25560

The DEP reserves the right to request additional information and supporting documentation regarding unit prices when the unit price appears to be unreasonable.

| ITEM NO. | QUANTITY | DESCRIPTION | UNIT PRICE | AMOUNT |
|--------------|-----------|-------------------------|------------|------------------|
| 1.0 | 500 hours | Oversight/QAQC Services | 70 | \$ 35,000 |
| | | | | |
| | | | | |
| TOTAL | | | | \$ 35,000 |

Quantities listed above are for bid evaluation purposes only.

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

- 1. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Triad Engineering, Inc.

Signed: [Signature] Title: Vice President

Date: 3-12-09

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: Triad Engineering, Inc.

Authorized Signature:  Date: 3-12-09



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER: DEP14601

PAGE: 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 CHUCK BOWMAN
 304-558-2157

RFQ COPY
 TYPE NAME/ADDRESS HERE

ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 ENVIRONMENTAL REMEDIATION
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

| DATE PRINTED | TERMS OF SALE | SHIP VIA | FOB | FREIGHT TERMS |
|--------------|---------------|----------|-----|---------------|
| 03/04/2009 | | | | |

BID OPENING DATE: 03/12/2009 BID OPENING TIME: 01:30PM

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|-------------|------------|--------|
| ***** ADDENDUM NO. 01 ***** | | | | | | |
| ADDENDUM ISSUED FOR THE OVERSIGHT, ASSESSMENT, AND QA/QC OF UST REMOVAL AT VARIOUS LOCATIONS IN THE STATE OF WV, TO DISTRIBUTE THE Q/A RESULTING FROM THE FORMAL QUESTION/ANSWER PERIOD EXPIRING AT 4:00 PM 02/28/09. | | | | | | |
| PLEASE SEE THE ATTACHED. | | | | | | |
| BID OPENING DATE & TIME REMAIN UNCHANGED AS 03/12/09 AT 1:30 PM. | | | | | | |
| ***** NO OTHER CHANGES ***** | | | | | | |
| 0001 | 1 | EA | | 946-20 | | |
| OVERSIGHT/QAQC SERVICES | | | | | | |
| ***** THIS IS THE END OF RFQ DEP14601 ***** TOTAL: | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: 304-755-0721 DATE: 3/12/09
 TITLE: VICE PRESIDENT FEIN: 55-0592364 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

DEP14601

Addendum #1

Question #1:

"With respect to billing for this project, the RFQ states that "A flat hour rate per hour will be the total charge to the state and will cover the full cost of work hours including labor, travel, and materials." Will we be able to bill travel time and follow-up documentation time on this project or only time spent on site during removal activities?"

Answer:

Vendor will be paid only for work performed as per the terms, conditions and unit prices established in the contract. See RFQ specifications.

Question #2:

"How are we to handle overnight stays if there are any?"

Answer:

Vendor will be paid only for work performed as per the terms, conditions and unit prices established in the contract.

Question #3:

"Is this prevailing wage for the personnel other than the equipment operators and labors such as the Tech people?"

Answer:

As per the WV Division of Labor, prevailing wage rates do not apply to the oversight/QAQC services as detailed in this RFQ.

WALTER C. SHOWEN, III, LRS
Environmental Services Manager

EDUCATION

BS, Biology

University of Charleston, Charleston, WV,
1984

Graduate Courses in Environmental Science

West Virginia College of Graduate
Studies, Institute, WV, 1991-1993

REGISTRATIONS AND LICENSES

Licensed Remediation Specialist

No. 135, West Virginia

WV Licensed Asbestos Inspector

No. AI004551

OSHA 40 Hour Hazardous Workers

Operations Certification

OSHA 8 Hour Supervisor Certification

OSHA Confined Space Training

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc.

Scott Depot, WV

Environmental Services Manager/Senior
Scientist

2009 to present

Base Environmental Group, LLC

Nitro, WV

Managing Member/CEO

2005 to 2009

Triad Engineering, Inc.

St. Albans, WV

Project Manager/Senior Scientist

2003 - 2005

NiSource, Inc.

Charleston, WV

Manager of Facility Sales

2000 - 2003

Columbia Gas Transmission Corporation

Charleston, WV

Remediation Project Manager

1994-2000

Columbia Gas Transmission Corporation

Charleston, WV

Environmental Coordinator

1994-2000

Columbia Gas Transmission Corporation

Charleston, WV

Environmental Assurance Specialist

1990-1994

SUMMARY OF QUALIFICATIONS

As the Environmental Services Manager, Mr. Showen is responsible for the overall financial and technical performance of the Environmental Services Group. He manages a group of environmental professionals and technicians, including geologists, engineers, scientists, and administrative staff. During his 20-year career, he provided environmental remediation, consulting and construction services to the oil and gas, manufacturing and chemical industries, as well as government and private sector clients in the areas of Phase I and Phase II site assessments, Underground and Aboveground Storage Tank assessments and removals, CERCLA/Superfund investigations, West Virginia Voluntary Remediation Program, state and federal Brownfields programs, remediation oversight and design, regulatory compliance, waste management and real estate acquisition and divestiture due diligence reviews.

PROJECT EXPERIENCE SUMMARY

Base Environmental Group, Nitro, WV

As a founding Member/Manager, CEO, Business Development Manager and Project Manager

- Procuring and managing environmental and construction projects throughout the Mid-Atlantic area
- Negotiating contracts
- Managing field personnel
- Managing client relationship
- Preparing technical reports
- Managing day-to-day company business
- Reporting to and participating on board of directors

As Project Manager -

- Underground Storage Tank removal and assessment projects for private clients in Clarksburg, Logan and Charleston areas – Base Environmental was on the state-wide UST contractor list for the WV DEP.
- Completed tank replacement project for a large natural gas exploration and production company involving more than 70 oilfield tanks.

Triad Engineering, Inc., St. Albans, WV

As Project Manager:

Teaming with CSI of WV, managing preparation of over 5,000 Spill Prevention Control and Countermeasure Plans for Equitable Production Company natural gas well locations in Kentucky, Ohio, Pennsylvania, Virginia and West Virginia. The scope included:

- Collaborated with CSI of WV to design SPCC data collection
- Managed design and development of Microsoft Access Database to store and generate individual SPCC plans.
- Managed team of engineers and IT professionals to maintain work flow.
- Assured quality of performance.
- Provided client liaison for technical consulting and ad hoc program changes.
- Provided monthly project status report to client.

NiSource Corporate Services Company, Columbus, OH

As Project Manager:

Managed environmental assessment and remediation design and oversight program for NiSource Corporate Services Company involving 140 former mercury measuring stations in Southeastern Kentucky. The scope included work plan preparation, site assessment, remedial design and remediation oversight, agency negotiation, third party liaison and final report preparation.

Columbia Gas Transmission Corporation, Charleston, WV

As Manager:

Responsible for evaluating and marketing under-utilized and under-performing pipeline assets and real estate, including approximately 3,000 miles of natural gas transmission pipelines and 72 office locations in seven states

- Managed professional staff of six people
- Negotiated and managed multi-million dollar sales transactions
- Developed and managed sales processes
- Managed and analyzed economic evaluations
- Developed and communicated objectives

Columbia Gas Transmission Corporation, Charleston, WV

As Project Manager:

Managed \$15 million environmental assessment and remediation program involving over 7,000 sites in seven states. The scope included assessment, remedial design and remediation oversight of sites contaminated with mercury, PCBs, PAHs, petroleum hydrocarbons and arsenic.

- Estimated total remediation program costs for inclusion in rate case development and for presentation to various members of management.
- Participated on team established to settle environmental phase of customer rate case.
- Managed multiple environmental contractors and consultants, including contract negotiations.
- Negotiated technical agreements and work plans with Federal and State environmental agencies, as well as the Baltimore and Huntington Branch United States Army Corps of Engineers.
- Managed risk communications among Columbia personnel, contractors, legal counsel, regulatory agencies and landowners.

Columbia Gas Transmission Corporation, Charleston, WV

As Environmental Coordinator:

- Managed environmental consultants and remediation contractors on various assessment and remediation projects throughout Columbia's operating area, including leaking underground storage tanks.
- Negotiated with Federal and State environmental agencies on technical agreements and work plans.
- Prepared and tracked budgets and work schedules.

Paul A. Ludwig, L.R.S
Project Geologist

EDUCATION

| | |
|----------------------------|--|
| B.S. Geology | West Virginia University, 1982 |
| M.S. Environmental Science | Marshall University Graduate College (in progress) |

REGISTRATIONS AND LICENSES

| | |
|---|-----------------------------|
| Licensed Remediation Specialist | No. 133, West Virginia |
| Licensed Asbestos Inspector | No. AI005016, West Virginia |
| Monitoring Well Driller Certification | No. WV00358, West Virginia |
| OSHA HAZWOPER 40 Hour Training | |
| OSHA HAZWOPER 8 Hour Update (Current) | |
| WV Class B UST Remover Application in process | |

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

| | |
|--|--|
| Triad Engineering, Inc., St. Albans, WV | Project Geologist 2002 - Present |
| Roy F. Weston, Inc., Charleston, WV | Project Leader 1995 - 2002 |
| Environmental Solutions, Inc., Cross Lanes, WV | Project Geologist 1994 - 1995 |
| Chemical Waste Management, Inc., Cross Lanes, WV | Project Manager 1990 - 1994 |
| C.C. Johnson & Malhotra, P.C., Wheeling, WV | Staff Geologist 1987 - 1990 |
| WV Dept. of Natural Resources, Wheeling, WV | Water Resources Inspector 1986 - 1987 |

CURRENT POSITION RESPONSIBILITIES

Mr. Ludwig is currently a Project Geologist with TRIAD's Scott Depot, West Virginia office. In this capacity, he is responsible for designing and implementing technical investigations, which include Phase I and II environmental site assessments, Brownfields and Voluntary Remediation Program sites, and Superfund sites. Assessment activities include installation of Geoprobe® direct-push and auger drill rig borings and monitoring wells, as well as collection of soil, groundwater, surface water, and sediment samples. In addition, Mr. Ludwig develops sampling and analysis plans, evaluates environmental data, and prepares reports and documents. In addition, Mr. Ludwig is responsible for performing asbestos inspections.

PROJECT EXPERIENCE SUMMARY

Ashland Branded Marketing, Inc., Ohio and WV sites

As Project Manager, supervised underground storage tank (UST) system removals and closure activities at seven sites. Removed and cleaned USTs at each site. Excavated and disposed of any contaminated soils and completed site restoration activities.

American Electric Power, John Amos Plant, WV

As Project Geologist, performed quarterly sampling of groundwater monitoring wells and surface water as part of the permitting for a proposed fly ash industrial landfill.

Chemical Waste Management, Inc., Model City, NY

Project Manager for removal of liquid and sludge from a buried 20,000 gallon oil/water separator at their Model City hazardous waste landfill. Coordinated all site activities and served as site safety officer.

Columbia Gas Transmission Corp., Charleston, West Virginia

Project Coordinator on a natural gas pipeline project that characterized and remediated several thousand sites contaminated by mercury, PCBs, and/or pipeline liquids. Also served as field activities coordinator, remediation site manager and characterization team member. Additional duties included client relations, field cost accounting, and management of motor pool, field equipment/supplies, site health and safety and QA/QC of final reports.

CSX Hotels, Inc., d.b.a. The Greenbrier, White Sulphur Springs, WV

As Project Geologist at this site entered into the West Virginia Voluntary Remediation Program, assisted with statistical analysis of arsenic in soil analytical results in order to determine a site-specific background range. In addition, performed oversight of a remediation contractor during removal of soil contaminated with arsenic at a residential location and collected confirmation samples.

CSX Real Property, Inc., Benwood, WV

As Project Geologist at this site entered into the West Virginia Voluntary Remediation Program, conducted sampling of groundwater monitoring wells.

CSX Real Property, Inc., Columbus, OH

As Project Geologist at this site, assisted the project manager with an extensive geophysical survey and environmental site assessment at this former industrial landfill in preparation for future site development.

Dominion Transmission, Inc., Lewis Co., West Virginia

As Project Environmental Geologist, assisted the project manager by performing an environmental site assessment at an operating natural gas compressor station.

Flowers Bakery, WV and KY sites

Project Manager for UST removals and/or assessments at four sites. Services provided include UST removal and management of contaminated soils, completion of closure reporting. Completed LUST investigations at two sites, supervised all site activities and completion of final reports.

Hope Gas, Various WV sites

Project Manager for remediation activities at approximately 40 mercury contaminated sites for this natural gas pipeline company. Responsible for site safety, confirmation soil sampling, waste management, site rehabilitation, and final report preparation.

Kentucky Power, Ashland, KY

Project Manager and geologist for assessment of an electrical substation. Conducted soil and concrete sampling based on statistical grids and collected over 400 samples. Completed extensive mapping and prepared the final report.

Midwest Steel, Nitro, WV

Project Manager and geologist for site assessment of a metal scrap yard. Developed and implemented soil and groundwater sampling plan for this 23 acre site. Supervised installation of five groundwater monitoring wells and prepared the final report.

NiSource Corporate Services Company, Columbus, Ohio

Field Operations Manager on a natural gas pipeline project providing characterization, and remediation oversight for 141 former mercury measuring stations in Southeastern Kentucky. Responsibilities include contractor oversight, assuring compliance with approved work plans, assuring remediation objectives are met, client/public relations, field cost accounting, managing waste disposal, assuring compliance with

project health and safety plan, coordinating and interpreting environmental laboratory analyses, and preparation and QA/QC of final reports.

Norwest Questa, Mt. Vernon, IL

As Project Geologist, collected coal bed samples on-site during exploratory drilling of a 1,400-deep coal bed methane production well. After sample collection, performed regular monitoring of the samples as part of a 6-month methane desorption study.

RSD, Inc., Various locations, WV

As Project Geologist, responsible for LUST assessment and remediation at three operating retail gasoline facilities. Tasks include quarterly groundwater sampling, LNAPL collection, conducting environmental site assessments and contaminant delineation studies at two of the facilities, and evaluating the potential to complete the remediation activities under the Voluntary Remediation Program. Finally, prepared scopes of work and cost estimates and prepared various reports for submittal to the WVDEP.

SGS Environmental, Charleston, WV

AS Project Geologist, implemented a Phase II environmental site assessment at this former environmental analytical laboratory. Prepared the scope of work and cost estimate, implemented the field investigations, and prepared the final report.

Simpkins Lumber, Red Jacket, West Virginia

Project Manager for the preparation of an NPDES permit application for a CCA wood treatment facility. In addition, served as the geologist to install the groundwater monitoring wells. Prepared lithologic maps for the facility, interpreted and compiled the necessary soil, groundwater, and hydrogeologic data for the permit application.

United States Environmental Protection Agency, Greenwood, VA

Site lead for removal of chemicals from an abandoned laboratory at this Superfund emergency removal site. Developed site safety plan for remote opening of potentially explosive chemicals. Coordinated on-site chemical treatment and lab packing. Conducted tap water sampling of local residences. Completed final report.

United States Environmental Protection Agency, Floreffe, PA

Served as Staff Scientist and conducted sampling and monitoring of affected downstream water treatment plants in response to a major spill from Ashland Petroleum into the Monongahela River. Assisted with contractor monitoring and tracking of downstream spill progress through aerial observation. Developed sampling plan and conducted sampling of site monitoring wells. Received letter of commendation from the USEPA.

United States Environmental Protection Agency, Nitro, WV

Served as Staff Geologist during the initial assessment and periodic site lead during subsequent removal action at this Artel/Fike Chemical Site. Assisted with magnetometer survey and data interpretation; managed drum and tank databases, monitored contractor removal activities, performed air monitoring and report writing.

United States Environmental Protection Agency, Atwell, WV

Directed team of three professionals during emergency response and removal of leaking drums of cyanide at the Atwell Mountain Drum Dump site. Duties included technical support, site safety protocol development, hazard assessment, air monitoring, QA soil sampling, contractor monitoring and drafting of funding documents and final report.

United States Environmental Protection Agency, Clendenin, WV

Served as Site Lead for site assessment for the Elk Refinery CERCLA Assessment, which included extensive air and water sampling for asbestos. Devised methods for continuous air sampling in remote locations. Developed and implemented sampling plan and safety plan, completed final report.

West Virginia Department of Environmental Protection, Buckhannon, WV

As Project Geologist, developed the scope of work, implemented the field investigations at a former tire repair and service station facility on behalf of the WVDEP at this LUST site to be entered into the Voluntary Remediation Program, and prepared the final report. Contaminants of concern include LNAPL and petroleum hydrocarbons in soil and groundwater.

West Virginia Division of Highways, Huntington, WV

As Licensed Remediation Specialist, responsible for developing sampling and analysis plans and report preparation for this site entered into the West Virginia Voluntary Remediation Program. Responsible for directing and participating in field site characterization investigations. In addition, performed LNAPL remedial activities, including oversight of the remedial contractor, at this operating highway maintenance facility.

West Virginia Division of Highways, Clarksburg, WV

As Project Geologist at this site entered into the West Virginia Voluntary Remediation Program, performed environmental sampling activities at this former District Headquarters facility. Project tasks included aquifer testing and sampling of groundwater monitoring wells.

UST Closure Experience

Chemical Waste Management (1990-1994) – During my 5 year employment with this firm, I oversaw UST closures for the following clients: Ashland Branded Marketing, Inc. – 4 sites in Ohio; Union Carbide – 1 site in Institute, WV; Calsicatt, Inc. – 1 site in Erie, PA; Kanawha Development Corp – 1 site in Cedar Grove, WV; Flowers Bakery – 2 sites in Bluefield, WV; Consolidated Coal Co. – 1 site in Bradshaw, WV; Liquid Carbonic – 1 site in Marmet, WV

William G. Morrison, L.R.S.
Senior Environmental Scientist

EDUCATION

BS, Biology

West Virginia University, Morgantown, WV, 1977

REGISTRATIONS AND LICENCES

Licensed Remediation Specialist No. 98, West Virginia
Licensed Asbestos Inspector No. A1001110, West Virginia
OSHA HAZWOPER 40 Hour and 8 Hour Refresher Training

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc., Project Environmental Scientist
Scott Depot, WV 1999 - Present

Environmental Solutions, Inc., Operations Manager
Charleston, WV 1995 - 1999

Chemical Waste Management, Project Specialist
Charleston, WV 1993 - 1995

Waste-Tron, Inc., Project Manager
Belpre, OH 1992 - 1993

Weavertown Env. Group, Project Manager
Marietta, OH 1992

Belpar Environmental, Technical Supervisor
South Charleston, WV 1988 - 1992

West Virginia DNR Hazardous Waste Inspector
Waste Management Section, 1984 - 1988
Parkersburg, WV

PROJECT EXPERIENCE SUMMARY

Dominion Resources Services, Inc., Clarksburg, WV

As a contract Environmental Compliance Coordinator was responsible for conducting multidisciplinary environmental inspections including hazardous and non-hazardous waste management, SPCC, NPDES, and lead and asbestos surveys at natural gas compressor stations and other facilities. Also prepared and reviewed SPCC plans and prepared over 30 groundwater protection plans.

West Virginia Division of Highways, Clarksburg, WV

As Licensed Remediation Specialist, performing Site Characterization, Human Health Risk Assessment, Remedy Selection, and preparing Final Report for a former maintenance facility and headquarters under the West Virginia Voluntary Remediation Program. Remedy selection will include Monitored Natural Attenuation of dissolved phase contamination in groundwater with significant residual soil contamination left in-place.

West Virginia Division of Highways, Huntington, WV

As Licensed Remediation Specialist, performing extensive soil, sediment, surface water, and groundwater characterization, Human Health Risk Assessment, Remedial Workplan, and preparing Final Report for an operating maintenance facility under the West Virginia Voluntary Remediation Program. Implementing LNAPL remediation, and then Monitored Natural Attenuation to address dissolved phase contamination.

Union Carbide Corporation (Dow Chemical), Marietta, OH

As Site Superintendent and Assistant QA/QC Officer at the UCC superfund site in Marietta, Ohio, supervised excavation and stabilization of dioxin and phenolic tar contaminated soils and construction of two waste disposal cells. As superintendent, responsibilities included overseeing all aspects of the project. As the assistant QA/QC Officer, responsibilities included ensuring that all materials met design specifications and that all construction elements were in accordance with the engineering design.

Consolidated Natural Gas, Clarksburg, WV

- As Project Manager, performed mercury remediation at over 30 commercial natural gas metering stations in central and southern New York, and at over 200 production natural gas metering stations in West Virginia. Responsibilities included coordination of work with area superintendents, field sampling for residual contamination, confirmation sample collection, waste transportation and disposal, and preparation of final report.
- Conducted multi-media compliance site audits for RCRA, DOT, OSHA and corporate health and safety policies at district offices, compressor stations, and field facilities.

East Ohio Gas, Canton, OH

As Operations Manager, managed mercury remediation at over 200 production and commercial natural gas metering stations in eastern Ohio. Responsible for client coordination, supervision and scheduling of five work crews, waste transportation and disposal, analytical data management and reporting.

Columbia Gas Transmission, Charleston, WV

- As Operations Manager, coordinated mercury and petroleum hydrocarbon remediation activities at natural gas metering stations, production well-heads, pipeline drips, and compressor stations, under a USEPA consent order agreement. Responsibilities included assigning work crews and equipment, arranging waste transportation and disposal, and conducting remediation activities.
- As Project Manager, conducted PCB and petroleum hydrocarbon remediation due to a pipeline blow down accident in Pennsylvania. Performed extent of contamination study, excavated diversion ditches, placed and monitored containment boom in the Youghiogheny River, removed seven-acres of contaminated vegetation and excavated 800 tons of soil. Arranged for transportation and disposal for all contaminated media. Performed confirmation sampling on seven-acres, and prepared final remediation report.

Cabot Oil & Gas Corporation, Charleston, WV

As Operations Manager, coordinated mercury and petroleum hydrocarbon remediation at over 300 production natural gas metering stations and compressor stations. Responsibilities included assigning work crews and equipment, arranging waste transportation and disposal, performing initial site reconnaissances, conducting remediation activities, and reporting.

Peoples Gas, Indiana, PA

As Project Manager, conducted mercury remediation at 25 sites for lease transfer. Responsibilities included coordination of work with area superintendents, field sampling for residual contamination, confirmation sample collection, waste transportation and disposal, and preparation of final report.

Special Metals (Formerly Inco Alloys), Burnaugh, KY

Performed a RCRA facility investigation that included finalizing a sampling and investigation plan, completion of 63 soil borings, sediment and surface water sampling. Prepared final report including evaluation of remedial options.

American Electric Power, Huntington WV

As Project Manager, remediated a PCB contaminated site under a USEPA consent order. Project included packaging 180 capacitors, draining 45 transformers and arranging transportation and disposal, soil and concrete excavation, and performed an extent of contamination study.

Matthew C. Wright
Project Geologist

EDUCATION

B.S. Geology Morehead State University, 1986

REGISTRATIONS AND LICENSES

Monitoring Well Driller Certification No. WV00405, West Virginia
Well Driller Certification No. 0331-0380-00, Kentucky
OSHA HAZWOPER 40 Hour Training
OSHA HAZWOPER 8 Hour Update (Current)

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

| | |
|---|-------------------------------------|
| Triad Engineering, Inc., St. Albans, WV | Project Geologist 2008 - Present |
| Subsurface, Inc., Gauley Bridge, WV | President 1995 - 2008 |
| Omega Environmental Cross Lanes, WV | Project Geologist 1994 - 1995 |
| Rucker & Associates Cross Lanes, WV | Project Manager 1993 - 1994 |
| Foppe Thelen Group Wheeling, WV | Project Manager 1992 - 1993 |
| Groundwater Technology, Inc. Wheeling, WV | Project Manager 1990 - 1992 |

CURRENT POSITION RESPONSIBILITIES

Mr. Wright is currently a Project Geologist with TRIAD's Scott Depot, West Virginia office. In this capacity, he is responsible for designing and implementing technical investigations, which include Phase I and II environmental site assessments, Brownfields and Voluntary Remediation Program sites, and Superfund sites. Assessment activities include installation of Geoprobe® direct-push and auger drill rig borings and monitoring wells, as well as collection of soil, groundwater, surface water, and sediment samples. In addition, Mr. Wright develops sampling and analysis plans, evaluates environmental data, and prepares reports and documents.

PROJECT EXPERIENCE SUMMARY

Ashland Branded Marketing, Inc., Ohio, Kentucky and West Virginia sites

As Project Manager, supervised underground storage tank (UST) system removals and closure activities at 10-20 sites. Removed and cleaned USTs at each site. Excavated and disposed of any contaminated soils and completed site restoration activities.

American Electric Power, Cabin Creek Substation, WV

As Project Geologist, performed quarterly sampling of groundwater monitoring wells as part of the ongoing remediation of the property.

Columbia Gas Transmission Corp., Various States

Project Manager on a natural gas transmission project that characterized and remediated several sites contaminated by PCBs, and/or pipeline liquids. Also served as field activities coordinator and characterization team member. Additional duties included client relations, field cost accounting, field equipment/supplies management, site health and safety and QA/QC of final reports.

Chevron USA, Inc., KY and WV

As Project Manager, responsible for LUST assessment and remediation at 10-20 operating retail and bulk petroleum facilities. Tasks included installation of groundwater monitoring wells, quarterly groundwater sampling, LNAPL collection, conducting environmental site assessments, installation of remediation systems. Finally, prepared scopes of work and cost estimates and prepared various reports for submittal to the proper state regulatory agency.

CSX Real Property, Inc., Wheeling, WV

As Project Geologist at this site, conducted an environmental site assessment at this former commercial facility in preparation for future site development.

Dow Chemical Corporation, Charleston, West Virginia

As a direct push technology rig operator, collected soil, groundwater and soil vapor samples during performance of environmental site assessments.

GE Aircraft Engines, Cincinnati, OH

As Project Geologist at this site, conducted an environmental site assessment which included monitoring well installation, soil and groundwater sampling.

Super America/Speedway, Inc., Various states

As a direct push technology rig operator collected soil, groundwater and vapor sampling during performance of environmental site assessments. As Project Manager, responsible for LUST assessment and remediation at 10-20 operating retail and bulk petroleum facilities. Tasks included installation of groundwater monitoring wells, quarterly groundwater sampling, LNAPL collection, conducting environmental site assessments, installation of remediation systems. Finally, prepared scopes of work and cost estimates and prepared various reports for submittal to the proper state regulatory agency.

West Virginia Division of Highways, Huntington, WV

As a direct push technology rig operator collected soil, groundwater and vapor sampling during performance of environmental site assessments.

Shannon L. Cox
Project Environmental Scientist

EDUCATION

BS, Environmental Science

Marshall University, Huntington, WV, 2002

CERTIFICATIONS

OSHA HAZWOPER 40 Hour Training
OSHA 8 Hour Supervisor Certification
Certified Monitoring Well Driller

No. WV00399, West Virginia

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc.,
St. Albans, WV

Environmental Scientist
2004 - Present

KEMRON Environmental Services, Inc.,
Poca, WV

Environmental Scientist
2002 - 2004

CURRENT POSITION RESPONSIBILITIES

Miss Cox is currently an Environmental Scientist at the St. Albans office of TRIAD. In this capacity, Miss Cox has assisted the WVDEP, OER by performing site assessment tasks at USEPA Superfund sites in West Virginia. Tasks have included performing Site Inspections (SI) under CERCLA. Specific tasks have included performing file reviews, site reconnaissance, and report preparation. Miss Cox has also performed Phase I and Phase II environmental site assessment (ESA) investigations at commercial facilities. These tasks have included performing Geoprobe® investigations, subsurface soil and groundwater sampling, data analysis, and report generation. Miss Cox has also assisted on West Virginia Voluntary Remediation Program (VRP) Sites by providing assistance in report generation. In addition, Miss Cox provides regulatory compliance assistance with the preparation of air and water quality permits.

PROJECT EXPERIENCE SUMMARY

American Electric Power, Cheylan, WV

As Field Scientist, provided oversight for the installation of a groundwater treatment system, which included trenching, recovery well installation, and plumbing from well to treatment system. Currently, performing ongoing groundwater treatment system operation and maintenance (O&M) at their former Cabin Creek Plant Site, which has been impacted by dissolved phase LUST petroleum hydrocarbon contamination. Tasks included providing oversight for installation of the dual phase extraction system, collection of groundwater and remediation system discharge samples to comply with NPDES permit, performance of regular system maintenance and trouble shooting, and preparation of remediation system and groundwater monitoring reports. In addition, prepared the NPDES permit for the effluent discharge to the Kanawha River from the treatment system.

American Electric Power, Charleston, WV

As Field Scientist, performing monthly groundwater monitoring of DNAPL contamination at a former Manufactured Gas Plant (MGP) site in downtown Charleston, West Virginia. Tasks included measuring the depth to groundwater, depth to and thickness of DNAPL, performing DNAPL recovery, and preparing regular reports.

Cabell-Huntington Hospital, Huntington, WV

As Environmental Scientist, performed a Phase I environmental site assessment (ESA) at this operating hospital as part of the development of the Comprehensive Cancer Center. No recognized environmental conditions were identified.

CSX Hotels, Inc. d.b.a. The Greenbrier, White Sulphur Springs, WV

As Field Scientist, assisted the Licensed Remediation Specialist by performing site characterization investigations, including performing an Extent of LNAPL contamination survey using Geoprobe® direct-push technology to collect subsurface soil and groundwater samples. In addition, performed various remedial action activities including oversight of excavation of petroleum contaminated soil and recovery of LNAPL using vacuum extraction techniques.

CSX Real Property, Inc., Benwood, WV

As Field Environmental Scientist, developed the Sampling and Analysis Plan, performed a LNAPL extent of contamination survey, collected environmental samples under the VRP, developed the groundwater potentiometric surface map, performed data analysis, and prepared the Site Characterization Report. In addition, responsible for performing the monthly LNAPL recovery, which included performing oversight of the vacuum extraction activities, measuring depth to groundwater and/or LNAPL, measuring thickness of LNAPL, evaluating data, and preparing the LNAPL Recovery and Groundwater Monitoring reports under the VRP.

Environmental Maintenance Company, Inc., Ghent, WV

As Field Scientist, performing ongoing monthly groundwater treatment system operation and maintenance (O&M) at an operating retail fuel facility, which has been impacted by dissolved phase groundwater LUST petroleum hydrocarbon contamination. Tasks included collecting groundwater and remediation system discharge samples, and performance of regular system maintenance and trouble shooting. As a Certified Monitoring Well Driller, provided assistance in monitoring well installation and abandonment at the site.

Hibner & Associates, Inc., Huntington, WV

As Environmental Scientist, performed a Phase I environmental site assessment (ESA) at a former warehouse facility. No on-site recognized environmental conditions were identified; however, a potential recognized environmental condition was identified relative to off-site groundwater migration of chlorinated solvents, metals, and petroleum hydrocarbons from an adjoining, former glass manufacturing plant being assessed and remediated under the VRP. Therefore, work tasks also included a FOIA review of applicable documents in WVDEP files pertaining to the VRP work.

Roaring River Proposed Development, Fayette County, WV

As Field Scientist, assisted the Soil Scientist to evaluate general soil conditions across the 4,300-acre property as they apply to potential future land-use. As Field Scientist, assisted the Licensed Remediation Specialist in performing groundwater investigations at the former Fayette County municipal landfill.

RSD, Inc., various locations, WV

As Field Scientist, performed groundwater monitoring activities on a quarterly basis under the West Virginia LUST program at four sites. One of the sites has been closed under the LUST program and two will be closed under the VRP.

Shaffer's Super Stop, Inc., Clendenin, WV

As Field Scientist, performed Phase II environmental site assessment (ESA) investigations at an operating LUST site. Collected subsurface soil and groundwater samples using the Geoprobe® direct-push technology. Assisted with data analysis and report preparation.

SGS Environmental Services, Inc., Charleston, WV

As Field Scientist, performed Geoprobe direct-push investigations to collect subsurface soil and groundwater samples at a closed environmental laboratory. In addition, collected surface soil and sediment samples. Performed data evaluation and assisted with preparation of the final report.

West Virginia Army National Guard, Buckhannon, WV

As Field Scientist, performed groundwater monitoring at a LUST site at an operating facility, measuring depth to groundwater, evaluating data, and preparing the Groundwater Monitoring reports on a quarterly basis.

West Virginia Department of Environmental Protection, Buckhannon, WV

As Field Scientist, assisted the Licensed Remediation Specialist by performing Site Characterization investigations at this former tire repair/LUST site being investigated by the WVDEP under their Brownfields Targeted Site Assessment program. Tasks included collecting subsurface soil and groundwater samples utilizing Geoprobe® direct-push technology.

West Virginia Department of Environmental Protection, Cross Lanes, WV

As Field Scientist, performed ongoing monthly groundwater treatment system operation and maintenance (O&M) at an operating retail fuel facility, which has been impacted by dissolved phase groundwater LUST petroleum hydrocarbon contamination. Tasks included collecting groundwater and remediation system discharge samples, and performance of regular system maintenance and trouble shooting.

West Virginia Department of Environmental Protection, Huntington, WV

As Field Scientist, performing semi-annual surface water and groundwater sampling at a site closed under the WV Voluntary Remediation Program.

West Virginia Department of Environmental Protection, Nitro, WV

As Field Scientist, assisted the Licensed Remediation Specialist to perform Supplemental Site Assessment activities at this Site being assessed under the WVDEP Brownfields Targeted Site Assessment Program. Tasks included collecting additional waste characterization data for materials disposed at the Nitro Sanitation Landfill and further evaluate the extent of waste materials along the perimeter of the Nitro Sanitation Landfill by utilizing Geoprobe® direct-push technology.

West Virginia Department of Environmental Protection, various locations, WV

As Environmental Scientist, performed multiple assessment tasks at approximately six USEPA Superfund sites in West Virginia. Tasks have included performing USEPA and WVDEP file reviews, obtaining right-of-entry, performing site reconnaissance, evaluating historic assessment and remediation reports and information, and preparing final reports for submittal to the USEPA and WVDEP under the Superfund program.

West Virginia Division of Highways, Buckhannon, WV

As Field Scientist, performed groundwater monitoring, LNAPL recovery, which included performing oversight of the vacuum extraction activities, measuring depth to groundwater and/or LNAPL, measuring thickness of LNAPL, evaluating data, and preparing the LNAPL Recovery and Groundwater Monitoring reports on a quarterly basis.

West Virginia Division of Highways, Grafton, WV

As Field Scientist, performed subsurface soil and groundwater site characterizations at the site. Tasks included performing Geoprobe® direct-push investigations, collecting both soil and groundwater samples, performing field screening using a photoionization detector (PID), collecting groundwater from monitoring wells, and assisting in evaluating laboratory analytical data and preparing the Site Characterization report. In addition, conducted groundwater monitoring, LNAPL recovery, which included performing oversight of the vacuum extraction activities, measuring depth to groundwater and/or LNAPL, measuring thickness of LNAPL, evaluating data, and preparing the LNAPL Recovery and Groundwater Monitoring reports on a quarterly basis.

West Virginia Division of Highways, Huntington, WV

As Field Scientist, performed subsurface and surface soil site characterizations. Tasks included performing Geoprobe direct-push investigations, collecting subsurface and surface soil samples, performing field screening using a PID, and assisting in evaluating laboratory analytical data and preparing the Site Characterization report.

Heather A. Napier
Project Environmental Scientist/Project Manager

EDUCATION

BS, Environmental Science Marshall University, Huntington, WV, 2001

CERTIFICATIONS

Monitoring Well Driller Certification No. WV00400, West Virginia
OSHA HAZWOPER 40 Hour Training
OSHA 8 Hour Supervisor Certification

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc., Project Environmental Scientist
St. Albans, WV 2001 - Present

U.S. Army Corps of Engineers, Engineering Aide
Huntington, WV 1999 - 2001

CURRENT POSITION RESPONSIBILITIES

Ms. Napier is currently a Project Environmental Scientist at the Scott Depot office of Triad. In this capacity, Ms. Napier has assisted the WVDEP, OER by performing various site assessment tasks at multiple USEPA Superfund sites in West Virginia. Tasks have included performing Preliminary Assessments (PA), Site Inspections (SI), combined Preliminary Assessment Site Inspections (PA/SI), Expanded Site Inspections (ESI), and Site Inspection Reassessments (SIR) under CERCLA. Specific tasks have included performing regulatory file reviews, site reconnaissance's, Hazard Ranking System (HRS) site scoring using USEPA software, USEPA Contract Laboratory Program (CLP) data management using USEPA software, providing electronic laboratory data deliverables for the WVDEP in EQUIS® data management format, Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) generation, field sampling, and report preparation. Ms. Napier has also performed multiple Phase I and Phase II environmental site assessment (ESA) investigations at commercial facilities and operating manufacturing plants. These tasks have included performing Geoprobe investigations, subsurface soil and groundwater sampling, data analysis, and report generation. Ms. Napier also performs a variety of tasks for sites in the West Virginia Voluntary Remediation Program (VRP). Tasks have included preparation of VRP Applications, Agreements, Sampling and Analysis Plans, extensive site characterization activities, and report preparation.

PROJECT EXPERIENCE SUMMARY

Alcon Laboratories, Inc., Huntington, WV

As Field Environmental Scientist, performed a Phase II environmental site assessment (ESA) at an operating medical device manufacturing facility, which included subsurface soil and groundwater investigations, data evaluation, and final report preparation.

Branch, Banking & Trust (BB&T), multiple locations, WV

As Project Manager and Project Environmental Scientist, performed multiple Phase I environmental site assessment (ESA) and Transaction Screen investigations at multiple commercial facilities in West Virginia.

CAMC Hospitals, Inc., Charleston, WV

As Staff Environmental Scientist, performed an extensive Phase I environmental site assessment (ESA) for three operating urban hospitals, which included an operating medical waste incinerator facility. Reviewed current WVDEP and WVDHHR waste management permits, LUST closure and remediation reports under a FOIA request through WVDEP, and evaluated historic fire insurance mapping. Prepared the Final Report and provided day to day coordination with CAMC's E&H Manager.

CSX Hotels, Inc., d.b.a. The Greenbrier, White Sulphur Springs, WV

As Field Scientist, assisted the Licensed Remediation Specialist by performing extensive site characterization investigations at a former golf course maintenance facility entered into the WV VRP. Tasks included performing an Extent of LNAPL contamination survey using the Geoprobe® direct-push technology to collect subsurface soil and groundwater samples.

Former Rich Oil Station, Huntington, WV

As Project Manager and Project Environmental Scientist, performed Geoprobe subsurface soil and groundwater investigations, installed groundwater monitoring wells using the auger drilling technique, and prepared the VRP Application and Agreement at this former LUST site.

Harbinger Development, multiple locations, WV

As Project Manager and Project Environmental Scientist, performed multiple Phase I environmental site assessment (ESA) investigations at multi-unit residential facilities in West Virginia. These reports were prepared as per the U.S. Department of Housing and Urban Development (HUD) requirements.

Hercules Manufacturing, Inc., Huntington, WV

As Field Environmental Scientist, performed both Phase I and II ESA investigations at a closed metal forging facility. Performed site reconnaissance, evaluated extensive MSDS information, performed deed research, and identified multiple areas of potential environmental concern. Assisted in developing the Sampling and Analysis Plan, performed soil, groundwater, and surface water investigations and preparation of the Final Report.

Huntington Alloys Corporation, Huntington, WV

As Field Scientist, assisted in performing a metal translator study as part of a variance request before the WV Environmental Quality Board. Tasks included collecting samples during storm events directly downstream of the culvert portion of Pats Branch below the Outfall 001 discharge. Additionally, assisted in performing a water effects ratio (WER) study. Tasks included collecting samples during storm events from receiving waters of Pats Branch and from Outfall 001 and collecting water chemistry and flow measurements.

Huntington Urban Renewal Authority, Huntington, WV

As Field Scientist, performed subsurface soil and groundwater site characterizations at a site under the West Virginia Voluntary Remediation Program. Tasks included performing Geoprobe® direct-push investigations, collecting both soil and groundwater samples, performing field screening using a photoionization detector (PID), installation of groundwater monitoring wells, and evaluating laboratory analytical data and preparing the Site Characterization report. In addition, provided oversight during underground storage tank removal activities at the Site.

As Project Manager and Project Environmental Scientist, responsible for performing semi-annual groundwater monitoring and reporting to document compliance with the monitored natural attenuation (MNA) remedial option for the Site under the WV Voluntary Remediation Program.

Marshall University, Joan C. Edwards School of Medicine, Huntington, WV

As Project Manager and Project Environmental Scientist, performed various tasks at the VRP site that included preparation of the Sampling and Analysis Plan, performing Geoprobe subsurface soil and groundwater investigations, data analysis, and report preparation. In addition, researched, designed, and implemented a soil gas vapor field investigation to investigate potential migration of VOCs, methane, and hydrogen sulfide from an abandoned, former MSW landfill underlying a portion of the Site.

NiSource, Inc., various locations, eastern KY

As Staff Environmental Scientist, prepared seven Remediation Completion Reports for NiSource summarizing the results of the characterization and remediation activities at 141 mercury meter sites located in eastern Kentucky. Responsible for interpreting field and laboratory data, nonhazardous and hazardous waste disposal manifests, and reporting.

Service Wire Company, Culloden, WV

As an Environmental Scientist, performed both a Phase I environmental site assessment (ESA) and Phase II ESA subsurface soil and groundwater investigations at an operating manufacturing facility to assess potential industrial and residual UST contamination.

Special Metals, Inc., Burnaugh, KY

As Project Environmental Scientist, prepared and implemented the sampling and analysis plan, which was approved by the Kentucky DEP, for the investigation of a Solid Waste Management Unit being investigated under a RCRA Facility Inspection for Special Metals located in Burnaugh, Kentucky. Work tasks included preparing the SAP, performing the field investigation which consisted of surface and subsurface soil, groundwater, surface water, and surface water sediment sampling, installation of monitoring wells, and preparation of final report.

Turnpike Ford, Huntington, WV

As Project Manager and Project Environmental Scientist, performed subsurface soil and groundwater site characterizations at a LUST site under the West Virginia Voluntary Remediation Program. Tasks have included performing Geoprobe® direct-push investigations, collecting both soil and groundwater samples, performing field screening, and evaluating laboratory analytical data, preparation of reports, and LNAPL recovery.

West Virginia Department of Environmental Protection, multiple locations, WV

As Project Environmental Scientist, assisted the West Virginia Department of Environmental Protection (WVDEP), Office of Environmental Remediation (OER) by performing various assessment tasks at USEPA Superfund sites in West Virginia. Tasks have included performing Preliminary Assessments, Site Inspections, Combined Preliminary Assessment/Site Inspections, Expanded Site Inspection, and Site Inspection Reassessments under CERCLA. Specific tasks have included performing regulatory file reviews, site reconnaissance's, Hazard Ranking System (HRS) site scoring using USEPA software, USEPA Contract Laboratory Program (CLP) data management using USEPA software, providing electronic laboratory data deliverables for the WVDEP in EQulS® data management format, Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) generation, field sampling, and report preparation. Tasks have been completed at approximately 60 Superfund Sites throughout West Virginia.

West Virginia Division of Highways, Grafton, WV

As Field Scientist, assisted the Licensed Remediation Specialist by performing subsurface soil and groundwater site characterization investigations at this former district headquarters and vehicle maintenance and fueling facility. Tasks included performing Geoprobe® direct-push investigations, collecting both soil and groundwater samples, performing field screening using a photoionization detector (PID), collecting groundwater from monitoring wells, and assisting in evaluating laboratory analytical data and preparing the Site Characterization report. Contaminants of concern have included petroleum hydrocarbons associated with a former LUST system and tar above ground storage tank (AST).

West Virginia Division of Highways, Equipment Division, Buckhannon, WV

As a Staff Environmental Scientist, assisted the LRS in performing extensive site investigations at the WVDOH Equipment Division facility. Work tasks included using Geoprobe direct push technology to determine the extent of environmental contamination, installation of groundwater monitoring wells and groundwater recovery wells, and quarterly groundwater monitoring.

John C. Hando, Ph.D.
Environmental Department Manager

EDUCATION

| | |
|----------------|--------------------------------|
| BS, Biology | Fairmont State College, 1987 |
| Ph.D. Genetics | West Virginia University, 1996 |

REGISTRATIONS AND LICENSES

| | |
|--|--------------------|
| Pro Board Hazardous Materials Technician | Certification |
| Pro Board Instructor | Certification |
| Permit to Use Explosives | License #G71640705 |
| Advanced Open Water Diver | Certification |
| Dry Suit Diver | Certification |
| Incident Safety Officer | Certification |
| OSHA 1910.120 Supervisor | Certification |
| National Incident Management | Certification |
| ICS 100, 200, 300 and 400 | Certification |
| USEPA Hazardous Material Sampling | Certification |
| USEPA Air Monitoring | Certification |
| Radiation Response for SUPERFUND | Certification |
| USEPA Groundwater Investigation | Certification |
| USEPA Treatment Technologies | Certification |
| USEPA Risk Assessment | Certification |
| Tank Car Response | Certification |
| WMD Chemical Weapons | Certification |
| WMD Improvised Explosives | Certification |
| WMD Radiation Response | Certification |
| WMD Incident Commander | Certification |
| WV Regional Response Team | Member |
| WV Radiation Response Team | Team Leader |

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

| | |
|---|--|
| Triad Engineering, Inc. Morgantown, WV | Environmental Services Manager February 2008 - Present |
| WV Department of Environ. Protection Fairmont, WV | Environmental Inspector Specialist Hazardous Material Response Coordinator 1992-2008 |
| WV Division of Natural Resources Fairmont, WV | Water Resources Inspector 1988-1992 |

CURRENT POSITION RESPONSIBILITIES

Dr. Hando is currently Environmental Services Manager of the Morgantown, West Virginia office of Triad Engineering, Inc. (TRIAD). In this capacity, Dr. Hando is responsible for managing TRIAD's environmental department staff, providing environmental contracts oversight and administration, ensuring overall quality control and technical quality assurance of projects undertaken by the environmental department, and performing technical contract work.



PROJECT EXPERIENCE SUMMARY

Dr. Hando has a long and distinguished record of environmental management and oversight work for the State of West Virginia while also performing many related adjunct professor teaching functions (as noted below) at Fairmont State and West Virginia University in the environmental area. Additionally, he has worked as a technical Advisor for the National Corrections and Law Enforcement Training and Technology Center, and the WVU Fire Service Extension.

West Virginia Department of Environmental Protection, Fairmont, WV

As part of Dr. Hando's work with WVDEP, he performed a variety of environmental oversight functions including: inspection of facilities that generate, treat, store, and/or dispose of hazardous waste; hazardous material emergency response; investigation of citizen complaints; criminal investigations; hazardous material sampling; and Superfund site emergency removal and treatment technology review. Additional duties included: OSHA 1910.120 training and OSHA 1910.1200 training; technical advisor to the United States Attorney's Office (regarding environmental crimes); work with Local Emergency Planning committees; contaminated water diving; counterterrorism response, and counterterrorism training. He was a West Virginia on site representative at Beaver Valley Nuclear Power Station during inhalation phase training and response, and a sampling team leader for ingestion phase training, and response for incidents involving radioactive materials and he was the statewide hazardous materials emergency response coordinator.

West Virginia Division of Natural Resources, Fairmont, WV

While working as a Water Resources Inspector for the WV Division of Natural Resources, Dr. Hando's duties included inspection of facilities that generate, treat, store and/or dispose of hazardous waste. This work also involved investigation of citizen complaints, criminal investigations, hazardous material emergency response, hazardous material sampling and Superfund site emergency removal oversight.

Fairmont State University, Fairmont, WV

For the past ten year Dr. Hando has taught as an Adjunct Professor at FSU in the Safety and Environmental Engineering Technology Program. Courses included: Hazardous Waste Management, Hazardous Materials Sampling, and Hazardous Waste Operations and Emergency Response (OSHA 1910.0)

National Correctons and Law Enforcement Training and Technology Center, Clarksburg, WV

For the past five years Dr. Hando has served as technical advisor for the development of full-scale exercises involving weapons of mass destruction, hazardous materials, and pandemic influenza.

West Virginia University, Morgantown, WV

Over the last ten years Dr. Hando has been a Visiting Assistant Professor for the Environmental Protection Program and Safety Management Program at WVU. Courses taught included: Fundamentals of Environmental Management, Hazardous Materials Sampling, Hazardous Waste Operations and Emergency Response (OSHA 1910.120) and, Introduction to Facility Security.

WVU Fire Extension Service, Morgantown, WV

Dr. Hando has performed as a part-time instructor, providing specialized hazardous materials awareness, operations and technician level training to law enforcement.

Lydia M. Work, LRS
Branch Manager/Senior Chemist

EDUCATION

BS, Honors, Chemistry

West Virginia Wesleyan, Buckhannon, WV, 1989

REGISTRATIONS AND LICENSES

Licensed Remediation Specialist
OSHA 40 Hour Hazardous Workers
OSHA 8 Hour Supervisor
Mine Safety and Health Administration

No. 148, West Virginia
Operations Certification
Certification
Certificate of Training

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc.
Morgantown, WV

Branch Manager
Sep 2007 – Present

Triad Engineering, Inc.
Morgantown, WV

Environmental Services Manager
June 2005 – Nov. 2007

Triad Engineering, Inc.
St. Albans, WV

Project Manager / Senior Chemist
2001 – June 2005

SGS CT&E Inc.
Charleston, WV

Quality Manager, 1998 - 2001
Project Manager, 1994 - 1998
Chemist, 1992 - 1994

Air Quality Sciences Inc.
Atlanta, GA

Indoor Air Quality Research Chemist
1989 - 1992

CURRENT POSITION RESPONSIBILITIES

Ms. Work is currently Branch Manager of the Morgantown, West Virginia office of TRIAD Engineering, Inc. In this capacity, Ms. Work is responsible for managing staff, contract administration, and overall quality control and technical quality assurance of projects undertaken by the office.

Previously Ms. Work performed technical activities as the Environmental Services Manager and Senior Chemist at the Morgantown office of TRIAD. In that capacity, she provided Project Management to industry, private developers and the WVDEP. As the point of contact for her clients, Ms. Work's tasks have included conducting meetings with clients and various regulatory agencies, managing staff in order to meet project commitments, regulatory file reviews, site reconnaissance activities, site assessment work plan development, field operations management, identifying areas of environmental concern, preliminary human health and ecological risk assessments, developing remedial action work plans, invoicing, and report preparation. These tasks have been performed across various programs, including the West Virginia Voluntary Remediation Program (VRP), Brownfields Program, Phase I Environmental Site Assessments (ESAs), Phase II ESAs, National Pollutant Discharge Elimination System (NPDES) water quality program, and the West Virginia Superfund Program.

As a Licensed Remediation Specialist (LRS), Ms. Work has been successful in achieving two Certificates of Completion for her clients and is currently providing services for seven other sites in the VRP. As Senior Chemist, Ms. Work has performed analytical data verification and validation for many West Virginia VRP and Brownfield Sites. She has also performed commercial laboratory assessments to ascertain a laboratory's ability to meet client and project requirements and audit their quality management systems. Additionally Ms. Work has provided primary consulting services to a large West Virginia manufacturer pursuing of ISO 14001 Environmental Management Systems (EMS) registration.

PROJECT EXPERIENCE SUMMARY

West Virginia Department of Environmental Protection, Charleston, WV

As Project Manager, responsible for numerous Superfund sites in West Virginia. Ms. Work has performed Preliminary Assessments, Site Inspections, and Site Inspection Reassessments under CERCLA, including sampling and analysis plan development, quality assurance plan development, selection of contaminants of concern, identifying areas of environmental concern, performing preliminary human health and ecological risk assessments, identification of potentially responsible parties, and providing recommendations to the WVDEP and the USEPA Region III. Ms. Work has provided Project Management services to the WVDEP for more than 30 Superfund Sites.

Old Standard Quarry, Charles Town, West Virginia

As Project Manager, responsible for administration of four property parcels at a former 400-acre dolomite quarry under the West Virginia Voluntary Remediation Program (VRP). Two Certificates of Completion (COCs) have been awarded. The objective is to obtain the two remaining COCs at the Site following remedial activities in order to support future residential and commercial redevelopment.

Jefferson Orchards, Jefferson County, West Virginia

As Project Manager and Licensed Remediation Specialist (LRS), responsible for administration of four property parcels at a 400-acre fruit orchard under the West Virginia VRP. One parcel was critical to a multi-million dollar state road construction contract and had to be expedited. Ms. Work was able to go from VRP application to earth moving activities in 60 days. The final objective for the client is to obtain COCs at the Site to support future residential and commercial redevelopment.

Huntington Alloys Corporation, Huntington, WV

As Project Manager and Senior Chemist, Ms. Work provided water quality consulting services in order to achieve site specific water quality criteria relief for the industry's storm water permit. These activities included litigation support, oversight of the studies (metal translator and water effects ratio), an onsite investigation to determine point sources of the contaminants; data interpretation; use attainability analysis, and water quality standards variance submittals.

Flexsys America L.P., Nitro, WV

As an onsite ISO 14001 Environmental Management Systems (EMS) consultant, Ms. Work worked with the plant managers, operating and design engineers, and hourly employees to assist with writing the industry's Environmental Management Policy, define the facility's environmental aspects and impacts, prioritize impacts that are significant in order to set facility goals, performed plant wide ISO 14001 EMS training, and assisted with writing the facility's EMS procedures.

Land Resources, Inc., Roaring River proposed development, Fayette County, WV

As Project Manager, performed Phase I and Phase II environmental site assessment (ESA) services as part of a high-end residential development encompassing approximately 4,300-acres at the New River Gorge. On going activities include management of an onsite former landfill to be entered into the WV VRP.

Alcon Manufacturing, Ltd., Huntington, WV

As Senior Chemist, Ms. Work developed a laboratory audit program to assist the industry in their selection of a contract commercial laboratory. The services included cost comparison analysis; capabilities and certification analysis; managing performance evaluation test (PET) samples, onsite laboratory audit of personnel, equipment, and procedures; PET result interpretation; and final recommendations.

Former Houze Glass, Point Marion, PA

As Environmental Services Manager/Senior Chemist, Ms. Work completed a Phase II Environmental Site Assessment (ESA) for Point Marion Development at the 16-acre former Houze Glass Plant site. The Phase II ESA was performed at the former Houze Glass Plant due to the prospective purchaser's concern about possible areas of contamination and impacts to groundwater. It is the intent of Point Marion Development to redevelop the abandoned property for commercial and/or industrial uses.

Jeffrey H. Mitchell, V.P., C.P.G., L.R.S.
Director of Environmental Services

EDUCATION

| | |
|--------------------------------|--|
| BS, Geology | West Virginia University, Morgantown, WV, 1985 |
| Post-Graduate Studies, Geology | West Virginia University, Morgantown, WV |

CERTIFICATIONS, REGISTRATIONS, LICENSES, AND TRAINING

| | |
|--|---|
| Certified Professional Geologist | Virginia |
| Licensed Remediation Specialist | West Virginia |
| Registered Professional Geologist | North Carolina, Pennsylvania, Tennessee |
| Licensed Asbestos Inspector | Maryland, Virginia, West Virginia |
| 40-Hour Hazardous Materials Site Worker | (OSHA 29 CFR Part 1910.120) |
| Environmental Site Assessments for Commercial Real Estate | ASTM International |

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

| | |
|--|--|
| Triad Engineering, Inc. Winchester, VA | Director of Environmental Services 2000 - Present |
| Triad Engineering, Inc. Winchester, VA | Senior Environmental Geologist 1998 - 2000 |
| Triad Engineering, Inc. Winchester, VA | Environmental Geologist 1990 - 1998 |
| Triad Engineering, Inc. Harrisonburg, VA | Staff/Project Geologist 1988 - 1990 |
| West Virginia University Department of Geology and Geography Morgantown, WV | Graduate Teaching Assistant 1985 - 1986 |

PROFESSIONAL ORGANIZATION/ASSOCIATIONS

Air & Waste Management Association, Member
American Institute of Professional Geologists, Member
Association of Environmental & Engineering Geologists, Member
National Ground Water Association, Member

CURRENT POSITION RESPONSIBILITIES

Mr. Mitchell is currently the Director of Environmental Services for the Eastern Operations Region of Triad Engineering, Inc. based in Winchester, Virginia and is a corporate Vice President. In this capacity, Mr. Mitchell is responsible for the management, technical quality, and report review aspects for environmental services in the Eastern Operations Region.

PROJECT EXPERIENCE SUMMARY

Veterans Administration Medical Center (VAMC), Martinsburg, WV

As a Licensed Remediation Specialist, supervised the Expanded Site Assessment to identify the source of volatiles and semi-volatile compounds, including chlorinated solvents, in the groundwater at this Formerly Used Defense Site (FUDS). The Expanded Site Assessment included a review of all available U.S. EPA and West Virginia Department of Environmental Protection file information; meetings with VAMC personnel and consultants; site reconnaissance; and preparing a Site Assessment Work Plan.

Former Shepherdstown Dump, Shepherdstown, WV

As a Licensed Remediation Specialist, supervised the Site Assessment, Risk Assessment, and Remedy Selection & Evaluation of this site as defined under the West Virginia Voluntary Remediation and Redevelopment Act Guidance Manual. Contaminants of concern included volatiles in the groundwater and soil, and heavy metals in the soil. An extensive site assessment of the soil and groundwater was required as well as both human and ecological risk assessment. The project included sampling of soils and groundwater; preparation of contaminant distribution maps; fate and transport modeling of heavy metals in soil to groundwater; and risk assessment calculations for residential and non-residential future land use scenarios using Superfund RAGS methodologies; and remedy selection and cost evaluation.

Cookman Realty Group Property, Petersburg, WV

As a Licensed Remediation Specialist, supervised the Site Assessment, Source Identification, Risk Assessment, and Remedy Selection & Evaluation of this site. Contaminants of concern included volatiles and semi-volatile compounds in the groundwater and soil. An extensive site assessment of the soil and groundwater was required as well as both human and ecological risk assessment. The project included sampling of soils and groundwater; preparation of contaminant distribution maps; fate and transport modeling of contaminant discharge to surface water; and remedy selection and cost evaluation. Based on the results of this work, provided expert witness testimony on behalf of the property owner in hearings to the West Virginia Environmental Quality Board and the Circuit Court of Grant County, West Virginia.

Browning Equipment Company, Inc., Purcellville, VA

As Senior Environmental Geologist, obtained letter of "Case Closure" from the Commonwealth of Virginia, Department of Environmental Quality in response to petroleum hydrocarbon contaminants in groundwater and soil. Project included sampling of soils and groundwater; fate and transport modeling of volatile organic vapors to on-site structures and groundwater contaminant migration to municipal water wells; risk assessment calculations; ex-situ remediation of severely contaminated soils; and design of a natural attenuation groundwater remediation plan.

Former Shenandoah Federal Savings Bank, Petersburg, WV

As Senior Environmental Geologist, obtained letter of "No Further Action" from the West Virginia Department of Environmental Protection in response to petroleum hydrocarbon contaminants in groundwater and soil. Project included sampling of soils and groundwater; fate and transport modeling of volatile organic vapors to on-site structures and groundwater contaminant discharge to surface water; risk assessment calculations; pump, treat, and discharge to the sanitary sewer of approximately 25,000 gallons of petroleum-contaminated water from seven former petroleum underground storage tanks (UST's); removal and disposal of the seven UST's; ex-situ remediation of severely contaminated soils; and design of a natural attenuation groundwater remediation plan.

Old Standard Quarry, Millville, Jefferson County, WV

As the Licensed Remediation Specialist, obtained two individual Certificates of Completion under the West Virginia Voluntary Remediation Program between 2002 and 2005. This site, which was a former quarry and cement manufacturing plant, is being re-developed for mixed residential/commercial use.

Jefferson Orchards, Inc. (Paynes Ford Station), Kearneysville, Jefferson County, WV

As the Licensed Remediation Specialist, developed and implemented Site Assessment and Remedial Action Work Plans for the re-development of a former apple orchard for residential use through the West Virginia Voluntary Remediation Program.

Bryarly Manor Orchard, Berkeley County, WV

As the Licensed Remediation Specialist, developed and implemented Site Assessment and Remedial Action Work Plans for the re-development of an apple orchard for commercial use through the West Virginia Voluntary Remediation Program.

Jefferson Cold Storage Facility, Charles Town, WV

As the Licensed Remediation Specialist, developed and implemented a Site Assessment Work Plan for the re-development of an apple orchard for residential and commercial use through the West Virginia Voluntary Remediation Program.

Hartman's Service Station, Franklin, WV

As the Licensed Remediation Specialist, developed and implemented a Site Assessment Work Plan in response to petroleum hydrocarbon contaminants in groundwater and soil through the West Virginia Voluntary Remediation Program.

William J. Mikalik, C.P.G.
Senior Environmental Geologist

EDUCATION

BS, Geology California University of Pennsylvania, California, PA, 1988
MS, Geology California University of Pennsylvania, California, PA, 1991

CERTIFICATIONS, REGISTRATIONS, LICENSES, AND TRAINING

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|---|---|
| Certified Professional Geologist | Virginia |
| Professional Geologist | Tennessee |
| Radon Measurement Provider | National Environmental Health Association, National Radon Proficiency Program |
| Licensed Radon Tester | West Virginia |
| 40-Hour Hazardous Materials Site Worker | (OSHA 29 CFR Part 1910.120) |
| Environmental Site Assessments for Commercial Real Estate | ASTM International |

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

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|--|--|
| Triad Engineering, Inc. Winchester, VA | Senior Environmental Geologist 2006 - Present |
| Hillis-Carnes Engineering Assoc., Inc. Chantilly, VA | Environmental Division Manager 2005 - 2006 |
| Applied Environmental, Inc. Reston, VA | Environmental Division Manager 1997 - 2005 |
| Land Tech Remedial, Inc Frederick, MD | Project Manager/Geologist 1996 - 1997 |
| Dames & Moore Willow Grove, PA | Geologist/Case Manager 1994 - 1996 |
| Triad Engineering, Inc. Harrisonburg, VA | Geologist 1993 - 1994 |
| PARS, Environmental Services, Inc. Hamilton Square, NJ | Field Tech/Hydrogeologist 1991 - 1993 |

PROFESSIONAL ORGANIZATION/ASSOCIATIONS

Air & Waste Management Association, Member
American Institute of Professional Geologists, Member
Association of Environmental & Engineering Geologists, Past Chair -
Baltimore/Washington/Harrisburg Section
National Ground Water Association, Member

CURRENT POSITION RESPONSIBILITIES

Mr. Mikalik is currently a Senior Environmental Geologist for the Winchester, Virginia office of Triad Engineering, Inc. In this capacity, Mr. Mikalik is responsible for technical and field management aspects of specific environmental projects in the region. This work includes UST & AST Management and Closures, Initial Abatement Measures Plans, Site Characterization Investigations, Environmental Site Assessments (ESA) & Transaction Screenings (TSP), Phase II and III Investigations, National Environmental Policy Act (NEPA) Investigations, Environmental Compliance Audits, SPCC Plans, and Radon Surveys for Government and Corporate Clients.

PROJECT EXPERIENCE SUMMARY

County Government, Leesburg, Virginia

Mr. Mikalik was Project Manager for the removal of 14 petroleum storage tanks on a large 650-acre County park property. He supervised the tank closure activities and implementation of abatement activities after petroleum-impacted soils were encountered. The project is currently in the site characterization phase. In addition, as part of the project environmental restoration activities, Mr. Mikalik supervised and managed the removal of a large volume of discovered abandoned chemicals (pesticides and herbicides), the proper abandonment of several former potable test wells on the property, and the sampling of soil surrounding a number of abandoned grain silos for past excessive pesticides and herbicide use on the property. Mr. Mikalik developed the comprehensive soil sampling plan to acquire representative soil samples from six abandoned grain silos on the property for the presence of arsenic and pesticides compounds.

Department of Defense, Washington, D.C.

Mr. Mikalik served as the Task Manager for environmental services during Applied Environmental's four-year term contract with the Department of Defense (DoD). Mr. Mikalik performed and provided oversight for environmental projects such as groundwater monitoring, UST management and remediation, environmental site investigations and compliance, monthly water sampling, hazardous materials surveys, PCB surveys, and radon surveys. Mr. Mikalik was also an instrumental team leader during the Pentagon Attack environmental investigation and was on site during the disaster cleanup and monitoring program. Mr. Mikalik was responsible for the many pre-occupancy surveys that the DoD had Applied Environmental complete before personnel could move into new and newly renovated office spaces or out-trailers at the Pentagon. Pre-occupancy surveys include direct-read measurements, illumination and sound assessments, radon survey, ventilation assessments, and relative humidity and temperature readings. Based on location, area size, specific area observations, and past use and renovation work, pre-occupancy surveys also included drinking water analyses (lead, coliforms, chlorine, copper, turbidity), formaldehyde sampling, bacteria/fungi and total spore counts, asbestos and lead in air sampling, lead wipe sampling, VOC testing, and particulate characterization.

Naturally Occurring Asbestos Plan (Confidential Client)- Fairfax, Virginia

Mr. Mikalik completed and implemented a work plan for development of a health care facility located in Fairfax, Virginia to comply with applicable OSHA and Fairfax County regulations for construction projects impacting naturally occurring Actinolite-Tremolite mineral deposits (asbestos containing deposits) near Fairfax, Virginia. Mr. Mikalik developed a plan for the developer to manage the troublesome mineral deposits and outline the safety procedures that any onsite employee should follow. The project proceeded without complications and the facility was successfully developed.

Major Oil Companies (Confidential Clients)-Mid Atlantic Region

Mr. Mikalik served as project manager for the management of over 60 corporate run gasoline stations and bulk oil terminals for three major oil clients operating sites in Pennsylvania, New Jersey, West Virginia, Maryland, Delaware, District of Columbia, and Virginia. Mr. Mikalik managed and provided environmental oversight to a group of environmental technicians that conducted soil and groundwater investigations, provided site closures, emergency response activities, remediation system design and installation, and divestment surveys.

Major University, Washington, DC

Project Manager for the development of the university's Spill Prevention Control and Countermeasures (SPCC) Plan. Mr. Mikalik successfully completed a SPCC Plan for the 144-acre facility that contained 17 petroleum storage tanks along with numerous small petroleum storage containers. Mr. Mikalik also completed a Hazardous Materials Contingency and Emergency Plan for a self-contained hazardous waste storage unit at the university.

Michael S. Showalter
Senior Environmental Technician

EDUCATION

1982 - Business Management and Economics Course Work - Emory and Henry College,
Virginia

1980 - High School Diploma - Broadway High School, Virginia

CERTIFICATIONS, REGISTRATIONS, LICENSES, AND TRAINING

40-Hour Hazardous Materials Site Worker (OSHA 29 CFR Part 1910.120)
Level "B" Site Safety Coordinator training.
First Aid and CPR training.
Shipping and Handling of Hazardous Materials training.
Troxler Nuclear Moisture Density Gauge Certification
Previously licensed as a Class II Wastewater Operator and Class III Water Works
Operator in the Commonwealth of Virginia.

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

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| Triad Engineering, Inc. Winchester, VA | Senior Environmental Technician 1998 to Present |
| CH2M HILL, INC. Herndon, VA | Senior Environmental Technologist 1988 - 1998 |
| Town of Leesburg Leesburg, VA | Water Pollution Control Facility Operator 1987 - 1988 |
| Town of Purcellville Purcellville, VA | Assistant Utilities Supervisor 1985 - 1987 |

CURRENT POSITION RESPONSIBILITIES

Mr. Showalter is currently a Senior Environmental Technician for the Winchester, Virginia office of Triad Engineering, Inc. In this capacity, Mr. Showalter is primarily responsible for the performance of field investigations, including subsurface exploration and monitoring well installation; field sampling related to landfills, leaking petroleum storage tanks, and Phase II Environmental Site Assessments; storm water monitoring and sampling; and supervision of remediation activities and operation, maintenance, and discharge sampling and analysis of petroleum-contaminated groundwater pump and treat remediation systems.

PROJECT EXPERIENCE SUMMARY

As Senior Environmental Technician for TRIAD, Mr. Showalter collects the groundwater, surface water, and gas samples for the Frederick County and Shenandoah County Sanitary Landfills.

As Senior Environmental Technician for TRIAD, Mr. Showalter performs the storm water monitoring at several industrial facilities in the Northern Shenandoah Valley of Virginia.

As Senior Environmental Technician for TRIAD, Mr. Showalter performs the on-site monitoring of the removal and remediation activities associated with petroleum storage tanks; subsurface investigations, including monitoring well installation, at leaking petroleum storage tank sites; and supervises the remediation of contaminated soils and groundwater at leaking petroleum storage tank sites.

Mr. Showalter was previously the Assistant Utilities Supervisor responsible for the daily operation of a 0.50 Million Gallons per Day activated sludge wastewater facility. He supervised all processes, including pretreatment; sludge aeration; filtration; clarification; chlorination; and sludge handling processes, including aerobic digestion, sand bed de-watering, and landfill disposal. Mr. Showalter was involved in the town water treatment operations, maintenance, sampling, and data collection.

Mr. Showalter was previously the Water Pollution Control Facility operator responsible for a 3-Million Gallons per Day secondary wastewater treatment facility in Leesburg, Virginia. He performed process control and laboratory analysis required by VPDES permits. Treatment process included pretreatment, chemical addition, primary and secondary clarification, multi-stage trickling filtration, automatic sand filtration, chlorination, dechlorination, and ultraviolet disinfection. Sludge handling facilities included thickening, multi-stage anaerobic digestion, belt filter press dewatering, and agricultural land application.

As a Senior Environmental Technologist with CH2M HILL, Inc., Mr. Showalter was generally responsible for field investigations, data interpretation, and reporting. Responsibilities included estimating labor and equipment costs for project budgets, including analytical costs for short and long term sampling programs; procurement of laboratory services and other subcontract agreements; scheduling, staging, and managing project field work; client contact and relations; and reporting of sampling and investigation results.

Other tasks and project work experience includes landfill inspection, investigation, and permitting work; EPA field work oversight; construction oversight; health and safety oversight; paint chip and building material sampling for landfill disposal; assisting in the performance of land, wetland, and geophysical surveys; assisting in the performance of a two-year residential study of electromagnetic fields (EMF) across the United States; assisting in routine operation and maintenance of groundwater extraction and treatment systems; assisting in construction and operation of pilot studies and test programs; sampling of soil, sludge, water, air, gas, vapor, fish tissue, biomass, free product petroleum, and other chemicals.

Robert M. Sykes, C.P.G.
Senior Environmental Geologist

EDUCATION

BS, Geology Virginia Polytechnic Institute and State University, Blacksburg, VA, 1978

CERTIFICATIONS, REGISTRATIONS, LICENSES, AND TRAINING

| | |
|---|-----------------------------------|
| Certified Professional Geologist | Virginia |
| Authorized Onsite Soil Evaluator (AOSE) | Virginia |
| Licensed Asbestos Inspector | Maryland, Virginia, West Virginia |
| Licensed Asbestos Management Planner | Maryland, Virginia, West Virginia |
| 40-Hour Hazardous Materials Site Worker | (OSHA 29 CFR Part 1910.120) |

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

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| Triad Engineering, Inc. Winchester, Virginia | Senior Environmental Geologist 1980 - Present |
| Thompson & Litten Wise, Virginia | Staff Geologist 1978 - 1980 |

PROFESSIONAL ORGANIZATION/ASSOCIATIONS

Association of Environmental & Engineering Geologists, Member
National Ground Water Association, Member

CURRENT POSITION RESPONSIBILITIES

Mr. Sykes is currently a Senior Environmental Geologist for the Winchester, Virginia office of Triad Engineering, Inc. In this capacity, Mr. Sykes is responsible for technical and field management aspects of specific environmental projects in the region. This work includes landfill groundwater and gas monitoring design and implementation; preparation and submission of landfill monitoring reports; asbestos inspections and management plans; the planning and execution of subsurface and hydrogeologic investigations, including fracture trace analysis and pump tests; drain field evaluations; and petroleum tank release characterizations, risk assessments, remedial design, and reimbursement of costs through the Virginia Petroleum Storage Tank fund (VPSTF).

PROJECT EXPERIENCE SUMMARY

Shenandoah County Sanitary Landfill, Woodstock, VA

As Environmental Geologist/Project Manager, performs the landfill groundwater and gas monitoring design and implementation and reporting to the Virginia Department of Environmental Quality. The design of these systems was performed to differentiate between the old closed landfill, the existing operational landfill, and the new expansion area, all of which are located within the same property confines. Due to groundwater contamination from the unlined landfill area, characterization of the individual contaminant constituents was performed and corrective action plans submitted to the Virginia Department of Environmental Quality. Mr. Sykes has been performing environmental services for the landfill since 1995.

Frederick County Sanitary Landfill, Winchester, VA

As Environmental Geologist/Project Manager, performs the landfill groundwater monitoring and reporting to the Virginia Department of Environmental Quality. This reporting includes the Annual Groundwater Report, Alternate Source Demonstration Reports when certain groundwater constituents exhibit statistical exceedances, and groundwater monitoring reports. Mr. Sykes has been performing environmental services for the landfill since 1994.

Page County Sanitary Landfill, Stanley, VA

As Environmental Geologist/Project Manager, sampled groundwater monitoring wells and characterized groundwater at the old landfill site in Stanley, VA. Since 2006, Mr. Sykes has assisted Page County in reviewing laboratory analysis for waste acceptance.

War Memorial Hospital (WMC), Berkeley Springs, WV

As Environmental Geologist/Project Manager, supervised the assessment and remediation of heating oil from the groundwater surface which resulted from a leaking underground storage tank (UST). Abatement actions were performed under the supervision of U.S. EPA Region III which included removal of a 12,000-gallon heating oil UST, excavating cutoff trenches, and utilizing automatic free product skimmers and a trench drain system to remove the heating oil from the groundwater surface. After significant reduction in the quantity of oil seepage, the active collection system was converted to a passive collection system connected directly to the trench drain. In excess of 10,000 gallons of heating oil were recovered during the remediation operations and a case closure notification was obtained from the U.S. EPA Region III.

Town of Hillsboro, Hillsboro, VA

As Environmental Geologist, located potential high yield well locations by fracture trace analysis that relies primarily on the use of stereo aerial photographs to delineate the location of subsurface fractures or lineaments that may serve as conduits for groundwater flow and recharge. In addition to the fracture trace analysis, geologic research and field verification of the potential high yield well sites established by the fracture trace analysis was performed.

Former Woolen Mill, Winchester, VA

As Environmental Geologist/Licensed Asbestos Inspector, performed a Phase II Environmental Site Assessment (ESA) to identify and investigate environmental concerns related to the project site. Also, performed a complete asbestos inspection and solicited bids from asbestos abatement contractors to remove asbestos containing materials prior to demolition of the building.

Fahnestock Rental Property, Winchester, VA

As Environmental Geologist/Project Manager, worked with the Virginia Department of Environmental Quality to characterize and remediate heating oil contamination resulting from a leaking UST. Approximately 10 feet of floating free product (heating oil) was detected within the drinking water well at the project site. A site characterization was performed to determine the extent of the vapor, residual, and dissolved phase contamination phases; a risk assessment to determine potential risk to human health and the environment, and design of a corrective action plan to remove free product from the groundwater surface.

Shull's Plumbing & Heating, Dayton, VA

As Senior Environmental Geologist/Project Manager, worked with the Virginia Department of Environmental Quality to remediate gasoline impacted groundwater using a dual phase treatment system. This project site is in the vicinity of the Town of Dayton municipal well. Characterization, extraction, and treatment of the gasoline contaminated groundwater were critical to prevent migration of the contaminant to the municipal well. After long term operation of the treatment system and a detailed final risk assessment, this pollution complaint case was successfully closed.

Shenandoah Valley Flea Market, New Market, VA

As Senior Environmental Geologist/Project Manager, am working with the Virginia Department of Environmental Quality to characterize and remediate heating oil contamination resulting from a leaking 3,000-gallon aboveground storage tank. The released heating oil migrated to the flea market drinking water well resulting in an approximate 60-foot thickness of oil floating on the groundwater surface within this well. Immediate free product recovery operations were initiated and extensive groundwater characterization was performed. Based on results of the groundwater characterization, a new drinking water well was sited and drilled. Further groundwater characterization, including periodic monitoring of six proximal drinking water wells and remediation, are being performed due to potential/impacted down gradient receptors.

Frank DePreiter Property, New Market, VA

As Senior Environmental Geologist/Project Manager, am working with the Virginia Department of Environmental Quality to characterize and remediate kerosene contamination resulting from a leaking 880-gallon underground storage tank. The released kerosene impacted two drinking water wells. Immediate free product recovery and underground storage tank and contaminated soil removal operations were initiated and extensive groundwater characterization was performed. Based on results of the groundwater characterization, a new drinking water well was sited and drilled. Further groundwater characterization and remediation are being performed due to potential/impacted down gradient receptors.

State Route 9, Berkeley and Jefferson Counties, WV

As a West Virginia-licensed asbestos inspector, contracted by the West Virginia Division of Highways to perform asbestos inspections on all structures proposed for demolition as part of the State Route 9 upgrades between Martinsburg and Charles Town, West Virginia

Various Malls and Shopping Centers, Maryland and Virginia

As a Maryland-accredited and Virginia-licensed asbestos inspector, perform asbestos inspections on spaces prior to renovation for new tenants in various malls and shopping centers.

Nicholas J. Wolfe, P.G.
Environmental Geologist

EDUCATION

BS, Geology

Juniata College, Huntingdon, PA, 2003

CERTIFICATIONS, REGISTRATIONS, LICENSES, AND TRAINING

Professional Geologist

Pennsylvania

Licensed Drinking Water Sampler

Maryland

40-Hour Hazardous Materials Site Worker

(OSHA 29 CFR Part 1910.120)

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc.

Environmental Geologist

Hagerstown, Maryland

2005 - Present

Geologic Services Corporation

Project Geologist

Jessup, Maryland

2003 to 2005

Quality Environmental Solutions, Inc.

Staff Scientist

Annapolis, Maryland

May 19, 2003 to July 31, 2003

Meiser & Earl, Inc.,

Intern Hydrogeologist

State College, Pennsylvania

January 1, 2003 to May 15, 2003

PROFESSIONAL ORGANIZATION/ASSOCIATIONS

Air & Waste Management Association, Member

National Ground Water Association, Member

CURRENT POSITION RESPONSIBILITIES

Mr. Wolfe is currently an Environmental Geologist for the Hagerstown, Maryland office of Triad Engineering, Inc. In this capacity, Mr. Wolfe performs environmental risk assessments, regulatory compliance audits, underground storage tank (UST) assessments and removals, soil and groundwater assessment, Phase I and II Environmental Site Assessments, remediation system development and design, fracture trace analysis, groundwater feasibility studies, and hydrogeology. Mr. Wolfe's experience has included projects for municipal water supplies, public schools, retail petroleum fueling stations, large petrochemical bulk plants and terminals, limestone quarries, and coal mines.

PROJECT EXPERIENCE SUMMARY

Calvert Gateway Commercial Subdivision, Dunkirk, MD

Completed a Coastal Plain Aquifer Hydrogeological Investigation to create a groundwater budget for the subdivision, which included manipulating data from a 24 hr pump test, reviewing historical hydrogeologic literature of the area, completing calculations, and writing the final report.

Fairview Grocery, Manassas, VA

Project Geologist in charge of organizing and completing a site characterization and risk assessment to achieve environmental case closure. A total of eight wells were installed and four soil borings were advanced to collect water and soil samples to complete the investigation.

ExxonMobil, Reisterstown, MD

Project Geologist in charge of overseeing UST closure and removal activities, hydraulic lift removal, and remediation excavation. Mr. Wolfe supervised the describe activities, collected confirmation soil samples, screened soils using a photo ionization detector (PID), and completed the Tank Excavation Assessment Report.

Hess Terminal, Washington, D.C.

Project Geologist in charge of completing a site characterization investigation and developing remediation recommendations and costs. Thirty soil borings were advance to collect groundwater and soil samples to delineate the area of contamination. Mr. Wolfe completed the Corrective Action Plan (CAP) investigation report.

TransMontaigne Terminals, Newington, VA; Richmond, VA; Norfolk, VA

Staff Scientist in charge of quarterly groundwater monitoring and sampling of wells around the tank farms to ensure the respected client remained in environmental compliance.

Turner Oil Bulk Plant, The Plains, VA

Project Geologist in charge of overseeing the removal of 2,000 tons of impacted soil, screening the soils with a PID, collecting conformation soil samples, abandoning twenty monitoring wells, and writing the closure report.

Former Exxon, Staunton, VA

Project Geologist in charge of locating possible non-registered USTs using Ground Penetrating Radar (GPR) and a magnetometer. The project was initiated when an unknown tank was located during the installation of a water line. Mr. Wolfe analyzed the GPR and magnetometer data and developed a conclusion no non-registered USTs were located on the site.

Former Exxon, Pasadena, MD

Project Geologist assisting with installing and analyzing **Flexible Liner Underground Technology (FLUTE)** wells to determine the presences of liquid phase hydrocarbon (LPH) trapped beneath the water table.

Mobil, Bethesda, MD

Project Geologist in charge of dual-phase groundwater remediation system operating and maintenance. The remediation system was installed due to a confirmed release of an unknown amount of gasoline.

Truck Enterprises, Inc., Hagerstown, MD

Staff Geologist responsible for development and implementation of the CAP investigation report for the release of approximately 10,000-gallons of heating oil. Mr. Wolfe designed and installed a dual-phase extraction treatment system to recover the released oil and contaminated groundwater.

Willow Ridge, Berkley County, WV

Staff Geologist completed a hydrogeologic investigation and groundwater feasibility study to determine the effects of development use of the ground water resource. The investigation included a literature review and fracture trace analysis. The study determined that the development would have a minimum impact to the ground water resource.