Project Contact Information

John E. Nock, Environmental Services Manager
CTL Engineering of WV
733 Fairmont Road
Morgantown, WV 26501

- (o) 304-292-1135
- © 304-376-2536
- (f) 304-296-9302





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DATE PRINTED

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

TERMS OF SALE

Request for Quotation

RFO NUMBER DEP14601

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CHUCK BOWMAN 304-558-2157

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CHUCK BOWMAN 304-558-2157

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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.
- <u>Submit with bid</u> 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. <u>Initially, DEP expects a high volume of projects to be performed in a limited amount of time.</u>

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.
V	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.
<u> </u>	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>V</i>	I have entered my flat hourly billing rate inclusive of labor, travel, & materials in the space provided on the attached bid schedule.
Comp Signa	ture: Date: 3/10/09

DEP14601 Bid Schedule

Company Name: <u>CTL Engineering</u> of WV

Address: 733 Fairment Read

Morgantown WV 26501

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	\$ 70.00	\$ 35,000
ł				
		TOTAL		\$ 337,000

Quantities listed above are for bid evaluation purposes only.

State of West Virginia

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.
require against or dedu	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the ments for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency octed from any unpaid balance on the contract or purchase order.
authorized	mission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and test the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid uired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information d by the Tax Commissioner to be confidential.
and ac	penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true curate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate as during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
Bidder	CTL Engineering signed:
Date:_	3/10/09 me president
*Check a	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:	L'Enstre	ering of	WV		
Authorized Signature:			Date:	3/10/09	
Purchasing Affidavit (Revised 0)	1/01/09)			•	
(

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in case of discrepancy.
- 5. All quotations are considered F.O.B: destination unless alternate shipping terms are clearly identified in the quotation.
- **6. BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

Project Contact Information

John E. Nock, Environmental Services Manager
CTL Engineering of WV
733 Fairmont Road
Morgantown, WV 26501

- (o) 304-292-1135
- © 304-376-2536
- (f) 304-296-9302



Expertise

Mr. John Nock manages the Environmental Department for CTL WV and has 19 years of environmental experience, which includes performing remediation planning and oversight, environmental audits, solid waste management, tank closures and removal, storm water management, permitting, Phase II site investigations, management of personnel and maintaining operational budgets. Mr. Nock is a WV certified asbestos inspector and a WV certified UST remover.

Education

B.S., Environmental Sciences Frostburg State University, Frostburg, Maryland, 1988

Professional Registrations / Certifications

Health and Safety Officers Training

Certified WV Tank remover

OSHA 40-Hour Training, Hazardous Waste Operations

Troxler training

WV Asbestos Inspector

Hazardous Materials Incident Response Operations

USACOE Wetland Delineation Certified

7 Years Service with CTL Engineering, Inc.

Experience

A partial listing of Mr. Nock's relevant project experience includes:

CTL Engineering of WV Department Manager of Environmental Services

Responsible for coordinating all WV projects and professional staff with CTL offices to cost effectively deliver all environmental services. Projects varied from soil and groundwater investigations to wetland impact studies.

Marcellus Shale Natural Gas Well Drilling Permitting, Susquehanna County, Pa.

Project Manager for wetland and stream crossing permits for 110 miles of pipeline connected to 70 wells. Coordinated all permits through ACOE, PADEP and Susquehanna County River Basin Commission to ensure compliance for disturbance activities.

Gen Power - Longview Power Plant Permitting

Project Manager for wetland and stream impact permitting for this new 1.9 billion dollar clean coal power generation plant construction in Monongalia County, WV.



Ms4 Phase II Storm Water Program, Star City and Westover, WV

Mr. Nock is currently the project manager for two municipalities for implementation of the Phase II Storm Water permitting process. This permit will ensure storm water quality compliance to the National Program and administer storm water control of all development within each community.

The Woods Resort Wetland Mitigation Project

Mr. Nock oversaw the delineation, permitting, and mitigation efforts for the creation of 3 acres of wetlands habitat for this private community. This project involved permitting and coordination of several agencies including the ACOE, WVDEP, US Fish & Wildlife, WVDNR, and local planning commission.

EA Development Wetland Mitigation Plan

Mr. Nock served as project manager for the mitigation efforts of 2 acres of wetland along Pompano Run, including the Alternatives Analysis and Mitigation Plan necessary for the ACOE 404 Individual Permit and the WVDEP 401 Water Quality Permit.

Monongalia County Schools Horse Park Project

Mr. Nock preformed a jurisdictional Wetland Delineation for 7 acres of wetlands associated with the construction of a 32 acre Horse Park in Monongalia County, Morgantown, WV. Mr. Nock has preformed over 15 wetland delineation projects as Environmental Manager at CTL Engineering.

Remediation of a Groundwater Treatment Facility, Allegheny Ballistics Laboratory, Mineral County, West Virginia

Project manager for the capture and treatment of 68,000 gallons per day of PCB-contaminated groundwater before its migration into the North Branch of the Potomac River. On call 24 hours for this new, \$5million facility. Constructed a recycling well field designed to last 30 years with 42 pumping wells. Water was treated through a series of holding tanks, air strippers, carbon vessels and UV oxidation lamps, then circulated to a boiler to heat the facility.

Remediation of 12-acre National Forge Steel Corporation Site in Warren, Pennsylvania

Project manager for the construction of a 200-foot diameter slurry wall to encapsulate a lagoon and surrounding area severely contaminated with industrial cutting oil.

WVDEP Landfill Closure Assistance Program, Various Locales West Virginia

Project manager for the decommissioning of a 17-acre landfill for the regrading over 96,800 SY of earth and trash for the \$3 million project. Utilized on-site materials for all components of erosion controls, leachate collection, road construction, diversion berms, and pond construction. Directed the construction of a 233 thousand-gallon leachate collection tank.

12 Cell Expansion for Waste Management, BFI & USA Waste Projects, Pennsylvania

CQA manager for this project involving managing and documenting all phases of construction, liner placement, geotextile deployment, sampling, and seam testing.



Assistant Plant Operator for the Upper Potomac River Commission, an industrial/municipal waste water treatment plant for Westvaco Paper Corporation. Involved in all areas of operating this facility treating thousands of gallons of water and by-products daily. Supervised the reclamation of several ALM projects where solid by-products were used to reclaim blighted areas.

Phase I Environmental Site Assessments – Project Manager for assessments of vacant land with previous structural development, agricultural properties, commercial, industrial, and multi-residential sites. Conducted site inspections, agency record review, database reviews, aerial photograph reviews, historical research and prepared technical reports. Also conducted limited asbestos surveys, radon screening, lead based paint testing, lead in drinking water, and indoor air quality surveys when required.

Phase II Environmental Site Assessment - Project Manager for Phase II Environmental Site Assessments (ESAs) on properties with USTs, petroleum hydrocarbons, volatile organic compounds and other environmental concerns. Performed test borings, soil vapor surveys, exploratory excavations, groundwater monitoring, hand sampling, specification of chemical analysis and delineation of contaminated soils and groundwater. Prepared technical reports.

Asbestos Surveys - Performed comprehensive AHERA surveys on facilities for remodel and demolition and limited asbestos surveys as part of Phase I ESA protocol. Involvement included client contact, sampling, and report preparation.

LUST: Project Manager during removal of USTs, delineation of soil and groundwater contamination, design, and operation and maintenance of air sparge and vapor extraction system (VES) utilizing a catalytic oxidizer. Involvement included client contact, interaction with regulatory agencies, proposal writing, report preparation, soil and groundwater sampling, and air monitoring of the VES

LUST Projects – Project Manager for compliance inspections of underground storage tanks, site characterization investigations, agency reporting including site characterization reports, corrective action plans, and LUST closure.

Geotechnical Subsurface Investigation – Performed several drilling activities over abandoned mines that affected hillside stability for perimeter properties of South Hills Landfill (Waste Management). The boreholes where then filled with grout and sealed.

Operations Management – Performed all managerial duties for two waste management companies. Created and maintained budgets of \$3 million. Hired, supervised, and scheduled 16 employees, evaluation performance regularly. Ensure compliance on all permit issues and remained violation-free during my tenure. Oversaw contract negotiations in excess of \$3 million and ensure proper management. Designed a residual waste stream program that was duplicated at all Waste Systems International landfills in Pennsylvania.



Expertise

Ms. Jennifer Selfridge has 12 years of environmental experience, which includes performing remediation planning and oversight, groundwater and geochemical modeling, creating and maintaining GIS maps and databases, environmental audits, permitting, site investigations, management of personnel, environmental remediation system performance analysis, and environmental laboratory sample analysis.

Education

M.S., Engineering (Environmental)
West Virginia University, Morgantown, West Virginia, 2005

M.S., Geology Rensselaer Polytechnic Institute, Troy, New York, 1996

B.S., Geology Rensselaer Polytechnic Institute, Troy, New York, 1993

Professional Registrations / Certifications

OSHA 40-Hour Training, Hazardous Waste Operations
OSHA Hazardous Waste Supervisor
Advanced Municipal Separate Storm Water Sewer Systems (MS-4) Issues
Groundwater Modeling Using Visual Modflow
Regulatory Training in Underground Storage Tanks
Various ESRI GIS Technology courses for ArcGIS

Professional Affiliations

American Society of Civil Engineers

ASTM: Member of D18 – Soil & Rock and E50 – Environmental Assessment Committees
West Virginia Association of Geospatial Professionals: Charter Member, Education and
Outreach Committee Member, Conference Committee Member
Association for Women Geoscientists: Elected Southeastern Delegate
Geological Society of America
Geospatial Information and Technology Association
Sigma Gamma Epsilon

4 Years Service with CTL Engineering, Inc.

Experience

A partial listing of Ms. Selfridge's relevant project experience includes:



MS-4 Phase II Storm Water Program, Star City and Westover, WV – Ms. Selfridge is currently the project manager for two municipalities for implementation of the Phase II Storm Water permitting process. This permit will ensure storm water quality compliance to the National Program and administer storm water control of all development within each community.

Source Water Assessment and Protection Program (SWAP), Logan, Mingo, Preston Counties, West Virginia – Staff Geologist for the resource characterization, delineation and mapping of the source water protection area, and the susceptibility analysis for surface and ground water.

Phase I Environmental Site Assessments — Project Manager and Project Engineer for assessments of vacant land with previous structural development, agricultural properties, commercial, and multi-residential sites. Conducted site inspections, agency record review, database reviews, aerial photograph reviews, historical research and prepared technical reports.

Phase II, III, V, and VI Environmental Site Assessments – Project manager and Staff Engineer for Phase II, III, V, and VI Environmental Site Assessments on properties with chlorinated hydrocarbons, petroleum hydrocarbons, volatile organic compounds, metals and other environmental concerns. Performed test borings, soil vapor surveys, geotechnical subsurface investigations, groundwater monitoring, hand sampling, specification of chemical analysis, and delineation of contaminated soils and groundwater. Activities included performing groundwater flow rate and direction modeling, contaminant fate and transport modeling, the operation, maintenance and monitoring of active remedial systems, compliance testing, and preparing technical reports.

Permitting – Project Engineer for Air Quality permitting for coal preparation and handling plants and for groundwater remediation systems on industrial sites. Prepared NPDES and NJPDES permits and compliance reports. Prepared Nationwide 404 and State 401 permits, well permit applications, and other miscellaneous state permits.

Geochemical Analysis and Interpretation – Staff Geologist responsible for soil, sludge, and water sampling and analysis using federal and state protocols. Geochemical modeling of analytical results to evaluate current conditions and predict future condition with application of remedial technology. Extracted and analyzed sediment and water samples for petroleum hydrocarbons, polychlorinated biphenyls (PCBs), heavy metals and pesticides. Calculated concentration and toxicity as well as fingerprinted dioxins and dibenzofurans from sediment samples. Characterized, identified, aged dated and fingerprinted petroleum products in environmental samples.

Woodland Route 72 and Route 532 Dump Sites (NPL sites), New Jersey — Staff Engineer responsible for geologic reinterpretation of subsurface data which resulted in a redesign of remediation system which saved PRPs \$20 million in remediation costs. Responsible for drilling and cone-penetration boring layout, drilling inspection, and borehole logging. Performed data analysis and interpretation. Delineated vertical and horizontal contaminant plumes. Groundwater observation and monitor well installation oversight. Sampled soil and groundwater. Aided in design and layout of air sparging — soil vapor extraction system to be augmented by biostimulation.



Publications

Bopp, Richard F., Jennifer A. Butler (Selfridge), Damon A. Chaky, Edward L. Shuster, Steve N. Chillrud, and Fred D. Estabrooks. "Geographical and Temporal Distribution of Particle-Associated Contaminants in Sediments of the Hudson River Basin." Presented at SETAC Annual Meeting, Washington, DC, 1996.

McDonald, Louis M., Jeffrey G. Skousen, Jennifer A. Selfridge, Paul F. Ziemkiewicz, and Kathy A. Lenter. "Effects of Chemical and Sulfate on Floc Characteristics for Treating AMD." Presented at the 23rd West Virginia Surface Mine Drainage Task Force Symposium, Morgantown, West Virginia, April 2002.

Selfridge, Jennifer A. and Louis M. McDonald. "Effect of iron coatings on limestone and surface area on dissolution rates." GSA Abstracts with Programs Vol. 34, No. 6, September 2002. Presented at GSA Annual Meeting, Denver, Colorado, October, 2002.

Selfridge, Jennifer A. and Louis M. McDonald. "Armoring processes in passive mine drainage systems." Presented at ASA-CSSA-SSSA Annual Meeting, Indianapolis, Indiana, November, 2002.

Selfridge, Jennifer A., Louis M. McDonald, Jeffrey G. Skousen, and Paul F. Ziemkiewicz. "Effect of iron coatings on limestone surface area and dissolution rates." Presented at the 24th West Virginia Surface Mine Drainage Task Force Symposium, Morgantown, West Virginia, April 2003.



Expertise

Mr. Hill serves as Geotechnical Services Supervisor for the Morgantown, WV office. He is experienced with operating a skid mount, ATV, truck and track mounted rigs. He has performed geotechnical subsurface investigations for foundation analysis, mine subsidence, and Abandoned Mine Land design. He has drilled and installed monitoring wells, piezometer and inclinometers and installed 2 feet, 4 feet, and 6 feet wells for the purpose of chemical analysis, recovery, injection and ground water direction, as well as 2 inch, 4 inch, and 6-inch wells, double case, triple case wells, stainless steel, Teflon, nitryl wells, and both soil and rock wells.

Mr. Hill is a certified monitoring well installer, a Level B, C & D for Hazardous Material and is skilled in installing wells for analysis of PCBs, hydrocarbons, along with specialty contaminants, heavy metals, organic and explosive elements; for example, buried bombs and torpedoes. Mr. Hill has also performed flow rate and pressure testing with down hole packers and experienced with fluid and air rotary systems.

Projects that Mr. Hill has experience with includes drilling in various locations, Armed Forces Installations, Garbage or Landfills, Wood Pressure Treatment facilities, Fuel Tank Farms, Metal Plating Facility, both gold and chrome, Chemical plants, and 2 sites for the United States Navy under unknown situations.

Education

Graduate of Philip Barbour High School

Professional Certifications

WV Certified Monitoring Well Installer and Well Abandonment

OSHA Article 29CFR 1910.12 Hazardous Waste Operations and Emergency Response Stnd. 40 hour training course

OSHA-40 Hour Training Course 8-Hour Refresher Course

Experience

A partial listing of Mr. Hill's relevant project experience includes:

West Virginia Department of Environmental Protection

Geotechnical Driller responsible for geotechnical investigations and drilling for numerous projects throughout West Virginia; projects include inclinometers, subsidence review, piezometers, burning refuse, mine subsidence investigation, slope stability.



Geotechnical Services Supervisor

EDWARD HILL

Ohio Department of Natural Resources

Geotechnical Driller responsible for geotechnical investigations and drilling for numerous projects throughout West Virginia; projects include inclinometers, subsidence review, piezometers, burning refuse, mine subsidence investigation, slope stability.

Maryland Bureau of Mines

Geotechnical Driller responsible for geotechnical investigations and drilling for numerous projects throughout West Virginia; projects include inclinometers, subsidence review, piezometers, burning refuse, mine subsidence investigation, slope stability.

Star City Bridge, Star City, WV

Senior Driller performing the proof drilling for the caissons during construction of the Star City Bridge.

WVDOH Open-End Contract

Senior Driller providing geotechnical drilling support to 40 separate projects including new roads and landslides.

North Fork Hughes River Water Tank and Dam Project

Senior Driller responsible for the rock coring for pre-grouting for the dam at North Fork Hughes River.

West Virginia University

Senior Driller performing geotechnical investigations for the new West Virginia University football scoreboard.

Lost Run Bridge

Senior Driller responsible for the geology and classification of rock at this project.

Hughes River Bypass Road

Senior Driller responsible for the geology and classification of soils and rock at this project.

Morgantown Airport

Inspector performing classification of rock and verification of grouting.





TYPE NAME/ADDRESS HERE

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

DEP14601

ADDRESS:CORRESPONDENCE TO ATTENTION OF CHUCK BOWMAN B04-558-2157

ENVIRONMENTAL PROTECTION DEPARTMENT OF ENVIRONMENTAL REMEDIATION 601 57TH STREET SE

CHARLESTON, WV

25304

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

Request for Quotation

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CHUCK BOWMAN
304-558-2157

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ENVIRONMENTAL PROTECTION
DEPARTMENT OF
ENVIRONMENTAL REMEDIATION
601 57TH STREET SE
CHARLESTON, WV

25304

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Request for Quotation

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DEP14601

PAGE 3

CHUCK BOWMAN
304-558-2157

ENVIRONMENTAL PROTECTION DEPARTMENT OF ENVIRONMENTAL REMEDIATION 601 57TH STREET SE CHARLESTON, WV

25304

DATE PRINTED	<u> </u>	MS OF SALE	SHIPVIA	FO.8.	FREIGHTTERMS
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State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

DEP14601

PAGE

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

Request for

DEP14601

ADDRESS CORRESPONDENCE TO ATTENTION OF CHUCK BOWMAN B04-558-2157

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

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CHUCK BOWMAN

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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.bowmanir@wy.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.
- <u>Submit with bid</u> 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. <u>Initially, DEP expects a high volume of projects to be performed in a limited amount of time.</u>

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.

Signature: Date: 3/10/09

DEP14601 Bid Schedule

Company Name:_	CTL	Engineer	ing	of WV	
Address:		Fairmont		oad	
	Mora	gartoun	w٧	26501	

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	\$ 70.00	\$ 35,000

		*TOTAL		\$ 35,000

Quantities listed above are for bid evaluation purposes only.

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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: Bldder 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.
require against or dedu	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the ments for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency cted from any unpaid balance on the contract or purchase order.
authoriz the requ deemed	mission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and res the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid uired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information d by the Tax Commissioner to be confidential.
and ac	penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true curate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate as during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
Bidder:	CTL Engineering signed:
Date:_	3/10/09 The president
*Check a	nry combination of preference consideration(s) indicated above, which you are entitled to receive.

RFQ No.	DEP	14601
	CHESTON RECORDS &	015

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: CTL Engine.	ering of	WV	
Authorized Signature:	 	Date: 3/10/09	
Purchasing Affidavit (Revised 0/1/01/89)			

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in case of discrepancy.
- 5. All quotations are considered F.O.B: destination unless alternate shipping terms are clearly identified in the quotation.
- **6. BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

Project Contact Information

John E. Nock, Environmental Services Manager
CTL Engineering of WV
733 Fairmont Road
Morgantown, WV 26501

- (o) 304-292-1135
- © 304-376-2536
- (f) 304-296-9302



Expertise

Mr. John Nock manages the Environmental Department for CTL WV and has 19 years of environmental experience, which includes performing remediation planning and oversight, environmental audits, solid waste management, tank closures and removal, storm water management, permitting, Phase II site investigations, management of personnel and maintaining operational budgets. Mr. Nock is a WV certified asbestos inspector and a WV certified UST remover.

Education

B.S., Environmental Sciences Frostburg State University, Frostburg, Maryland, 1988

Professional Registrations / Certifications

Health and Safety Officers Training

Certified WV Tank remover

OSHA 40-Hour Training, Hazardous Waste Operations

Troxler training

WV Asbestos Inspector

Hazardous Materials Incident Response Operations

USACOE Wetland Delineation Certified

7 Years Service with CTL Engineering, Inc.

Experience

A partial listing of Mr. Nock's relevant project experience includes:

CTL Engineering of WV Department Manager of Environmental Services

Responsible for coordinating all WV projects and professional staff with CTL offices to cost effectively deliver all environmental services. Projects varied from soil and groundwater investigations to wetland impact studies.

Marcellus Shale Natural Gas Well Drilling Permitting, Susquehanna County, Pa.

Project Manager for wetland and stream crossing permits for 110 miles of pipeline connected to 70 wells. Coordinated all permits through ACOE, PADEP and Susquehanna County River Basin Commission to ensure compliance for disturbance activities.

Gen Power - Longview Power Plant Permitting

Project Manager for wetland and stream impact permitting for this new 1.9 billion dollar clean coal power generation plant construction in Monongalia County, WV.



Ms4 Phase II Storm Water Program, Star City and Westover, WV

Mr. Nock is currently the project manager for two municipalities for implementation of the Phase II Storm Water permitting process. This permit will ensure storm water quality compliance to the National Program and administer storm water control of all development within each community.

The Woods Resort Wetland Mitigation Project

Mr. Nock oversaw the delineation, permitting, and mitigation efforts for the creation of 3 acres of wetlands habitat for this private community. This project involved permitting and coordination of several agencies including the ACOE, WVDEP, US Fish & Wildlife, WVDNR, and local planning commission.

EA Development Wetland Mitigation Plan

Mr. Nock served as project manager for the mitigation efforts of 2 acres of wetland along Pompano Run, including the Alternatives Analysis and Mitigation Plan necessary for the ACOE 404 Individual Permit and the WVDEP 401 Water Quality Permit.

Monongalia County Schools Horse Park Project

Mr. Nock preformed a jurisdictional Wetland Delineation for 7 acres of wetlands associated with the construction of a 32 acre Horse Park in Monongalia County, Morgantown, WV. Mr. Nock has preformed over 15 wetland delineation projects as Environmental Manager at CTL Engineering.

Remediation of a Groundwater Treatment Facility, Allegheny Ballistics Laboratory, Mineral County, West Virginia

Project manager for the capture and treatment of 68,000 gallons per day of PCB-contaminated groundwater before its migration into the North Branch of the Potomac River. On call 24 hours for this new, \$5million facility. Constructed a recycling well field designed to last 30 years with 42 pumping wells. Water was treated through a series of holding tanks, air strippers, carbon vessels and UV oxidation lamps, then circulated to a boiler to heat the facility.

Remediation of 12-acre National Forge Steel Corporation Site in Warren, Pennsylvania

Project manager for the construction of a 200-foot diameter slurry wall to encapsulate a lagoon and surrounding area severely contaminated with industrial cutting oil.

WVDEP Landfill Closure Assistance Program, Various Locales West Virginia

Project manager for the decommissioning of a 17-acre landfill for the regrading over 96,800 SY of earth and trash for the \$3 million project. Utilized on-site materials for all components of erosion controls, leachate collection, road construction, diversion berms, and pond construction. Directed the construction of a 233 thousand-gallon leachate collection tank.

12 Cell Expansion for Waste Management, BFI & USA Waste Projects, Pennsylvania

CQA manager for this project involving managing and documenting all phases of construction, liner placement, geotextile deployment, sampling, and seam testing.



Assistant Plant Operator for the Upper Potomac River Commission, an industrial/municipal waste water treatment plant for Westvaco Paper Corporation. Involved in all areas of operating this facility treating thousands of gallons of water and by-products daily. Supervised the reclamation of several ALM projects where solid by-products were used to reclaim blighted areas.

Phase I Environmental Site Assessments – Project Manager for assessments of vacant land with previous structural development, agricultural properties, commercial, industrial, and multi-residential sites. Conducted site inspections, agency record review, database reviews, aerial photograph reviews, historical research and prepared technical reports. Also conducted limited asbestos surveys, radon screening, lead based paint testing, lead in drinking water, and indoor air quality surveys when required.

Phase II Environmental Site Assessment - Project Manager for Phase II Environmental Site Assessments (ESAs) on properties with USTs, petroleum hydrocarbons, volatile organic compounds and other environmental concerns. Performed test borings, soil vapor surveys, exploratory excavations, groundwater monitoring, hand sampling, specification of chemical analysis and delineation of contaminated soils and groundwater. Prepared technical reports.

Asbestos Surveys - Performed comprehensive AHERA surveys on facilities for remodel and demolition and limited asbestos surveys as part of Phase I ESA protocol. Involvement included client contact, sampling, and report preparation.

LUST: Project Manager during removal of USTs, delineation of soil and groundwater contamination, design, and operation and maintenance of air sparge and vapor extraction system (VES) utilizing a catalytic oxidizer. Involvement included client contact, interaction with regulatory agencies, proposal writing, report preparation, soil and groundwater sampling, and air monitoring of the VES

LUST Projects – Project Manager for compliance inspections of underground storage tanks, site characterization investigations, agency reporting including site characterization reports, corrective action plans, and LUST closure.

Geotechnical Subsurface Investigation – Performed several drilling activities over abandoned mines that affected hillside stability for perimeter properties of South Hills Landfill (Waste Management). The boreholes where then filled with grout and sealed.

Operations Management — Performed all managerial duties for two waste management companies. Created and maintained budgets of \$3 million. Hired, supervised, and scheduled 16 employees, evaluation performance regularly. Ensure compliance on all permit issues and remained violation-free during my tenure. Oversaw contract negotiations in excess of \$3 million and ensure proper management. Designed a residual waste stream program that was duplicated at all Waste Systems International landfills in Pennsylvania.



Expertise

Ms. Jennifer Selfridge has 12 years of environmental experience, which includes performing remediation planning and oversight, groundwater and geochemical modeling, creating and maintaining GIS maps and databases, environmental audits, permitting, site investigations, management of personnel, environmental remediation system performance analysis, and environmental laboratory sample analysis.

Education

M.S., Engineering (Environmental)
West Virginia University, Morgantown, West Virginia, 2005

M.S., Geology Rensselaer Polytechnic Institute, Troy, New York, 1996

B.S., Geology Rensselaer Polytechnic Institute, Troy, New York, 1993

Professional Registrations / Certifications

OSHA 40-Hour Training, Hazardous Waste Operations
OSHA Hazardous Waste Supervisor
Advanced Municipal Separate Storm Water Sewer Systems (MS-4) Issues
Groundwater Modeling Using Visual Modflow
Regulatory Training in Underground Storage Tanks
Various ESRI GIS Technology courses for ArcGIS

Professional Affiliations

American Society of Civil Engineers

ASTM: Member of D18 – Soil & Rock and E50 – Environmental Assessment Committees

West Virginia Association of Geospatial Professionals: Charter Member, Education and

Outreach Committee Member, Conference Committee Member

Association for Women Geoscientists: Elected Southeastern Delegate Geological Society of America Geospatial Information and Technology Association Sigma Gamma Epsilon

4 Years Service with CTL Engineering, Inc.

Experience

A partial listing of Ms. Selfridge's relevant project experience includes:



MS-4 Phase II Storm Water Program, Star City and Westover, WV – Ms. Selfridge is currently the project manager for two municipalities for implementation of the Phase II Storm Water permitting process. This permit will ensure storm water quality compliance to the National Program and administer storm water control of all development within each community.

Source Water Assessment and Protection Program (SWAP), Logan, Mingo, Preston Counties, West Virginia – Staff Geologist for the resource characterization, delineation and mapping of the source water protection area, and the susceptibility analysis for surface and ground water.

Phase I Environmental Site Assessments – Project Manager and Project Engineer for assessments of vacant land with previous structural development, agricultural properties, commercial, and multi-residential sites. Conducted site inspections, agency record review, database reviews, aerial photograph reviews, historical research and prepared technical reports.

Phase II, III, V, and VI Environmental Site Assessments – Project manager and Staff Engineer for Phase II, III, V, and VI Environmental Site Assessments on properties with chlorinated hydrocarbons, petroleum hydrocarbons, volatile organic compounds, metals and other environmental concerns. Performed test borings, soil vapor surveys, geotechnical subsurface investigations, groundwater monitoring, hand sampling, specification of chemical analysis, and delineation of contaminated soils and groundwater. Activities included performing groundwater flow rate and direction modeling, contaminant fate and transport modeling, the operation, maintenance and monitoring of active remedial systems, compliance testing, and preparing technical reports.

Permitting – Project Engineer for Air Quality permitting for coal preparation and handling plants and for groundwater remediation systems on industrial sites. Prepared NPDES and NJPDES permits and compliance reports. Prepared Nationwide 404 and State 401 permits, well permit applications, and other miscellaneous state permits.

Geochemical Analysis and Interpretation – Staff Geologist responsible for soil, sludge, and water sampling and analysis using federal and state protocols. Geochemical modeling of analytical results to evaluate current conditions and predict future condition with application of remedial technology. Extracted and analyzed sediment and water samples for petroleum hydrocarbons, polychlorinated biphenyls (PCBs), heavy metals and pesticides. Calculated concentration and toxicity as well as fingerprinted dioxins and dibenzofurans from sediment samples. Characterized, identified, aged dated and fingerprinted petroleum products in environmental samples.

Woodland Route 72 and Route 532 Dump Sites (NPL sites), New Jersey – Staff Engineer responsible for geologic reinterpretation of subsurface data which resulted in a redesign of remediation system which saved PRPs \$20 million in remediation costs. Responsible for drilling and cone-penetration boring layout, drilling inspection, and borehole logging. Performed data analysis and interpretation. Delineated vertical and horizontal contaminant plumes. Groundwater observation and monitor well installation oversight. Sampled soil and groundwater. Aided in design and layout of air sparging – soil vapor extraction system to be augmented by biostimulation.



Publications

Bopp, Richard F., Jennifer A. Butler (Selfridge), Damon A. Chaky, Edward L. Shuster, Steve N. Chillrud, and Fred D. Estabrooks. "Geographical and Temporal Distribution of Particle-Associated Contaminants in Sediments of the Hudson River Basin." Presented at SETAC Annual Meeting, Washington, DC, 1996.

McDonald, Louis M., Jeffrey G. Skousen, Jennifer A. Selfridge, Paul F. Ziemkiewicz, and Kathy A. Lenter. "Effects of Chemical and Sulfate on Floc Characteristics for Treating AMD." Presented at the 23rd West Virginia Surface Mine Drainage Task Force Symposium, Morgantown, West Virginia, April 2002.

Selfridge, Jennifer A. and Louis M. McDonald. "Effect of iron coatings on limestone and surface area on dissolution rates." GSA Abstracts with Programs Vol. 34, No. 6, September 2002. Presented at GSA Annual Meeting, Denver, Colorado, October, 2002.

Selfridge, Jennifer A. and Louis M. McDonald. "Armoring processes in passive mine drainage systems." Presented at ASA-CSSA-SSSA Annual Meeting, Indianapolis, Indiana, November, 2002.

Selfridge, Jennifer A., Louis M. McDonald, Jeffrey G. Skousen, and Paul F. Ziemkiewicz. "Effect of iron coatings on limestone surface area and dissolution rates." Presented at the 24th West Virginia Surface Mine Drainage Task Force Symposium, Morgantown, West Virginia, April 2003.



Expertise

Mr. Hill serves as Geotechnical Services Supervisor for the Morgantown, WV office. He is experienced with operating a skid mount, ATV, truck and track mounted rigs. He has performed geotechnical subsurface investigations for foundation analysis, mine subsidence, and Abandoned Mine Land design. He has drilled and installed monitoring wells, piezometer and inclinometers and installed 2 feet, 4 feet, and 6 feet wells for the purpose of chemical analysis, recovery, injection and ground water direction, as well as 2 inch, 4 inch, and 6-inch wells, double case, triple case wells, stainless steel, Teflon, nitryl wells, and both soil and rock wells.

Mr. Hill is a certified monitoring well installer, a Level B, C & D for Hazardous Material and is skilled in installing wells for analysis of PCBs, hydrocarbons, along with specialty contaminants, heavy metals, organic and explosive elements; for example, buried bombs and torpedoes. Mr. Hill has also performed flow rate and pressure testing with down hole packers and experienced with fluid and air rotary systems.

Projects that Mr. Hill has experience with includes drilling in various locations, Armed Forces Installations, Garbage or Landfills, Wood Pressure Treatment facilities, Fuel Tank Farms, Metal Plating Facility, both gold and chrome, Chemical plants, and 2 sites for the United States Navy under unknown situations.

Education

Graduate of Philip Barbour High School

Professional Certifications

WV Certified Monitoring Well Installer and Well Abandonment

OSHA Article 29CFR 1910.12 Hazardous Waste Operations and Emergency Response Stnd. 40 hour training course

OSHA-40 Hour Training Course 8-Hour Refresher Course

Experience

A partial listing of Mr. Hill's relevant project experience includes:

West Virginia Department of Environmental Protection

Geotechnical Driller responsible for geotechnical investigations and drilling for numerous projects throughout West Virginia; projects include inclinometers, subsidence review, piezometers, burning refuse, mine subsidence investigation, slope stability.



Geotechnical Services Supervisor

EDWARD HILL

Ohio Department of Natural Resources

Geotechnical Driller responsible for geotechnical investigations and drilling for numerous projects throughout West Virginia; projects include inclinometers, subsidence review, piezometers, burning refuse, mine subsidence investigation, slope stability.

Maryland Bureau of Mines

Geotechnical Driller responsible for geotechnical investigations and drilling for numerous projects throughout West Virginia; projects include inclinometers, subsidence review, piezometers, burning refuse, mine subsidence investigation, slope stability.

Star City Bridge, Star City, WV

Senior Driller performing the proof drilling for the caissons during construction of the Star City Bridge.

WVDOH Open-End Contract

Senior Driller providing geotechnical drilling support to 40 separate projects including new roads and landslides.

North Fork Hughes River Water Tank and Dam Project

Senior Driller responsible for the rock coring for pre-grouting for the dam at North Fork Hughes River.

West Virginia University

Senior Driller performing geotechnical investigations for the new West Virginia University football scoreboard.

Lost Run Bridge

Senior Driller responsible for the geology and classification of rock at this project.

Hughes River Bypass Road

Senior Driller responsible for the geology and classification of soils and rock at this project.

Morgantown Airport

Inspector performing classification of rock and verification of grouting.





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

RFQ NUMBER DEP14601

ADDRESS:CORRESPONDENCE TO ATTENTION OF CHUCK BOWMAN B04-558-2157

ENVIRONMENTAL PROTECTION DEPARTMENT OF ENVIRONMENTAL REMEDIATION 601 57TH STREET SE

CHARLESTON, WV 25304

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2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

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CHUCK BOWMAN 304-558-2157

ENVIRONMENTAL PROTECTION DEPARTMENT OF ENVIRONMENTAL REMEDIATION 601 57TH STREET SE CHARLESTON, WV

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CHUCK BOWMAN 304-558-2157

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DEPARTMENT OF
ENVIRONMENTAL REMEDIATION
601 57TH STREET SE
CHARLESTON, WV

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PAGE 5

CHUCK BOWMAN B04-558-2157

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

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

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CHUCK BOWMAN 304-558-2157

ENVIRONMENTAL PROTECTION DEPARTMENT OF ENVIRONMENTAL REMEDIATION

ADDRESS CORRESPONDENCE TO ATTENTION OF

601 57TH STREET SE

CHARLESTON, WV

25304

DATE PRIN	***************************************	RMS OF SALE	SHIP VIA	FOB	FREIGHTTERMS
02/19/ BID OPENING DATE	2009 03/12/	/2009	<u>L</u>	OPENING TIME 0	+30PM
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	BID OPENING	TIME:	1:30 PM		
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	CONTACT PERS	ON (PLEASE	PRINT CLEARLY)		
Commission of the Commission o	***** THI	IS THE EN		.4501 ***** TOTAL	35,000
		SEE:RI	EVERSE SIDE FOR TERMS AND:	CONDITIONS	
SIGNATURE			TELEPHONS	04-292-1135 DATE	3/10/09
TITLE	resident	FEN 55-06	31834		S TO BE NOTED ABOVE

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.
- <u>Submit with bid</u> 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. <u>Initially, DEP expects a high volume of projects to be performed in a limited amount of time.</u>

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.

1/	
	I have read & understand the scope of work as specified herein.
<u>/</u>	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.
V	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.
Comp Signa	ture: Date: 3/10/09

DEP14601 Bid Schedule

Company Name:	CTL	Engineer	nq	<u>of</u>	WV
Address:		Fairmont		sad	
		gantoun,		26	50(

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
			A-71-00	å 25000
1.0	500 hours	Oversight/QAQC Services	3 10:	\$ 35,000
		*TOTAL		\$ 35,000

Quantities listed above are for bid evaluation purposes only.

State of West Virginia

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, Application is made for 2.5% resident vendor preference for the reason checked:
2.	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.
requirer against	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the nents for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency cted from any unpaid balance on the contract or purchase order.
authorize the requ	nission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and es the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid lired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information by the Tax Commissioner to be confidential.
and acc	penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true curate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate is during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
Bidder:	CTL Engineering signed:
Datas	3/10/19 The president

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

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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 Réquirements, 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: CTL Enginee	ring of	WV	
Authorized Signature:	<u> </u>	Date: 3 10 10 9	
Purchasing Affidavit (Revised 01/01/09)		·	

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the Legislative Rules of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in case of discrepancy.
- 5. All quotations are considered F.O.B: destination unless alternate shipping terms are clearly identified in the quotation.
- 6. BID SUBMISSION: All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

Expertise

Mr. John Nock manages the Environmental Department for CTL WV and has 19 years of environmental experience, which includes performing remediation planning and oversight, environmental audits, solid waste management, tank closures and removal, storm water management, permitting, Phase II site investigations, management of personnel and maintaining operational budgets. Mr. Nock is a WV certified asbestos inspector and a WV certified UST remover.

Education

B.S., Environmental Sciences Frostburg State University, Frostburg, Maryland, 1988

Professional Registrations / Certifications

Health and Safety Officers Training

Certified WV Tank remover

OSHA 40-Hour Training, Hazardous Waste Operations

Troxler training

WV Asbestos Inspector

Hazardous Materials Incident Response Operations

USACOE Wetland Delineation Certified

7 Years Service with CTL Engineering, Inc.

Experience

A partial listing of Mr. Nock's relevant project experience includes:

CTL Engineering of WV Department Manager of Environmental Services

Responsible for coordinating all WV projects and professional staff with CTL offices to cost effectively deliver all environmental services. Projects varied from soil and groundwater investigations to wetland impact studies.

Marcellus Shale Natural Gas Well Drilling Permitting, Susquehanna County, Pa.

Project Manager for wetland and stream crossing permits for 110 miles of pipeline connected to 70 wells. Coordinated all permits through ACOE, PADEP and Susquehanna County River Basin Commission to ensure compliance for disturbance activities.

Gen Power - Longview Power Plant Permitting

Project Manager for wetland and stream impact permitting for this new 1.9 billion dollar clean coal power generation plant construction in Monongalia County, WV.



Ms4 Phase II Storm Water Program, Star City and Westover, WV

Mr. Nock is currently the project manager for two municipalities for implementation of the Phase II Storm Water permitting process. This permit will ensure storm water quality compliance to the National Program and administer storm water control of all development within each community.

The Woods Resort Wetland Mitigation Project

Mr. Nock oversaw the delineation, permitting, and mitigation efforts for the creation of 3 acres of wetlands habitat for this private community. This project involved permitting and coordination of several agencies including the ACOE, WVDEP, US Fish & Wildlife, WVDNR, and local planning commission.

EA Development Wetland Mitigation Plan

Mr. Nock served as project manager for the mitigation efforts of 2 acres of wetland along Pompano Run, including the Alternatives Analysis and Mitigation Plan necessary for the ACOE 404 Individual Permit and the WVDEP 401 Water Quality Permit.

Monongalia County Schools Horse Park Project

Mr. Nock preformed a jurisdictional Wetland Delineation for 7 acres of wetlands associated with the construction of a 32 acre Horse Park in Monongalia County, Morgantown, WV. Mr. Nock has preformed over 15 wetland delineation projects as Environmental Manager at CTL Engineering.

Remediation of a Groundwater Treatment Facility, Allegheny Ballistics Laboratory, Mineral County, West Virginia

Project manager for the capture and treatment of 68,000 gallons per day of PCB-contaminated groundwater before its migration into the North Branch of the Potomac River. On call 24 hours for this new, \$5million facility. Constructed a recycling well field designed to last 30 years with 42 pumping wells. Water was treated through a series of holding tanks, air strippers, carbon vessels and UV oxidation lamps, then circulated to a boiler to heat the facility.

Remediation of 12-acre National Forge Steel Corporation Site in Warren, Pennsylvania

Project manager for the construction of a 200-foot diameter slurry wall to encapsulate a lagoon and surrounding area severely contaminated with industrial cutting oil.

WVDEP Landfill Closure Assistance Program, Various Locales West Virginia

Project manager for the decommissioning of a 17-acre landfill for the regrading over 96,800 SY of earth and trash for the \$3 million project. Utilized on-site materials for all components of erosion controls, leachate collection, road construction, diversion berms, and pond construction. Directed the construction of a 233 thousand-gallon leachate collection tank.

12 Cell Expansion for Waste Management, BFI & USA Waste Projects, Pennsylvania

CQA manager for this project involving managing and documenting all phases of construction, liner placement, geotextile deployment, sampling, and seam testing.



Assistant Plant Operator for the Upper Potomac River Commission, an industrial/municipal waste water treatment plant for Westvaco Paper Corporation. Involved in all areas of operating this facility treating thousands of gallons of water and by-products daily. Supervised the reclamation of several ALM projects where solid by-products were used to reclaim blighted areas.

Phase I Environmental Site Assessments – Project Manager for assessments of vacant land with previous structural development, agricultural properties, commercial, industrial, and multi-residential sites. Conducted site inspections, agency record review, database reviews, aerial photograph reviews, historical research and prepared technical reports. Also conducted limited asbestos surveys, radon screening, lead based paint testing, lead in drinking water, and indoor air quality surveys when required.

Phase II Environmental Site Assessment - Project Manager for Phase II Environmental Site Assessments (ESAs) on properties with USTs, petroleum hydrocarbons, volatile organic compounds and other environmental concerns. Performed test borings, soil vapor surveys, exploratory excavations, groundwater monitoring, hand sampling, specification of chemical analysis and delineation of contaminated soils and groundwater. Prepared technical reports.

Ashestos Surveys - Performed comprehensive AHERA surveys on facilities for remodel and demolition and limited asbestos surveys as part of Phase I ESA protocol. Involvement included client contact, sampling, and report preparation.

LUST: Project Manager during removal of USTs, delineation of soil and groundwater contamination, design, and operation and maintenance of air sparge and vapor extraction system (VES) utilizing a catalytic oxidizer. Involvement included client contact, interaction with regulatory agencies, proposal writing, report preparation, soil and groundwater sampling, and air monitoring of the VES

LUST Projects – Project Manager for compliance inspections of underground storage tanks, site characterization investigations, agency reporting including site characterization reports, corrective action plans, and LUST closure.

Geotechnical Subsurface Investigation – Performed several drilling activities over abandoned mines that affected hillside stability for perimeter properties of South Hills Landfill (Waste Management). The boreholes where then filled with grout and sealed.

Operations Management — Performed all managerial duties for two waste management companies. Created and maintained budgets of \$3 million. Hired, supervised, and scheduled 16 employees, evaluation performance regularly. Ensure compliance on all permit issues and remained violation-free during my tenure. Oversaw contract negotiations in excess of \$3 million and ensure proper management. Designed a residual waste stream program that was duplicated at all Waste Systems International landfills in Pennsylvania.



Expertise

Ms. Jennifer Selfridge has 12 years of environmental experience, which includes performing remediation planning and oversight, groundwater and geochemical modeling, creating and maintaining GIS maps and databases, environmental audits, permitting, site investigations, management of personnel, environmental remediation system performance analysis, and environmental laboratory sample analysis.

Education

M.S., Engineering (Environmental)
West Virginia University, Morgantown, West Virginia, 2005

M.S., Geology Rensselaer Polytechnic Institute, Troy, New York, 1996

B.S., Geology Rensselaer Polytechnic Institute, Troy, New York, 1993

Professional Registrations / Certifications

OSHA 40-Hour Training, Hazardous Waste Operations
OSHA Hazardous Waste Supervisor
Advanced Municipal Separate Storm Water Sewer Systems (MS-4) Issues
Groundwater Modeling Using Visual Modflow
Regulatory Training in Underground Storage Tanks
Various ESRI GIS Technology courses for ArcGIS

Professional Affiliations

American Society of Civil Engineers

ASTM: Member of D18 – Soil & Rock and E50 – Environmental Assessment Committees
West Virginia Association of Geospatial Professionals: Charter Member, Education and
Outreach Committee Member, Conference Committee Member
Association for Women Geoscientists: Elected Southeastern Delegate
Geological Society of America
Geospatial Information and Technology Association
Sigma Gamma Epsilon

4 Years Service with CTL Engineering, Inc.

Experience

A partial listing of Ms. Selfridge's relevant project experience includes:



MS-4 Phase II Storm Water Program, Star City and Westover, WV – Ms. Selfridge is currently the project manager for two municipalities for implementation of the Phase II Storm Water permitting process. This permit will ensure storm water quality compliance to the National Program and administer storm water control of all development within each community.

Source Water Assessment and Protection Program (SWAP), Logan, Mingo, Preston Counties, West Virginia — Staff Geologist for the resource characterization, delineation and mapping of the source water protection area, and the susceptibility analysis for surface and ground water.

Phase I Environmental Site Assessments — Project Manager and Project Engineer for assessments of vacant land with previous structural development, agricultural properties, commercial, and multi-residential sites. Conducted site inspections, agency record review, database reviews, aerial photograph reviews, historical research and prepared technical reports.

Phase II, III, V, and VI Environmental Site Assessments – Project manager and Staff Engineer for Phase II, III, V, and VI Environmental Site Assessments on properties with chlorinated hydrocarbons, petroleum hydrocarbons, volatile organic compounds, metals and other environmental concerns. Performed test borings, soil vapor surveys, geotechnical subsurface investigations, groundwater monitoring, hand sampling, specification of chemical analysis, and delineation of contaminated soils and groundwater. Activities included performing groundwater flow rate and direction modeling, contaminant fate and transport modeling, the operation, maintenance and monitoring of active remedial systems, compliance testing, and preparing technical reports.

Permitting – Project Engineer for Air Quality permitting for coal preparation and handling plants and for groundwater remediation systems on industrial sites. Prepared NPDES and NJPDES permits and compliance reports. Prepared Nationwide 404 and State 401 permits, well permit applications, and other miscellaneous state permits.

Geochemical Analysis and Interpretation – Staff Geologist responsible for soil, sludge, and water sampling and analysis using federal and state protocols. Geochemical modeling of analytical results to evaluate current conditions and predict future condition with application of remedial technology. Extracted and analyzed sediment and water samples for petroleum hydrocarbons, polychlorinated biphenyls (PCBs), heavy metals and pesticides. Calculated concentration and toxicity as well as fingerprinted dioxins and dibenzofurans from sediment samples. Characterized, identified, aged dated and fingerprinted petroleum products in environmental samples.

Woodland Route 72 and Route 532 Dump Sites (NPL sites), New Jersey — Staff Engineer responsible for geologic reinterpretation of subsurface data which resulted in a redesign of remediation system which saved PRPs \$20 million in remediation costs. Responsible for drilling and cone-penetration boring layout, drilling inspection, and borehole logging. Performed data analysis and interpretation. Delineated vertical and horizontal contaminant plumes. Groundwater observation and monitor well installation oversight. Sampled soil and groundwater. Aided in design and layout of air sparging — soil vapor extraction system to be augmented by biostimulation.



Publications

Bopp, Richard F., Jennifer A. Butler (Selfridge), Damon A. Chaky, Edward L. Shuster, Steve N. Chillrud, and Fred D. Estabrooks. "Geographical and Temporal Distribution of Particle-Associated Contaminants in Sediments of the Hudson River Basin." Presented at SETAC Annual Meeting, Washington, DC, 1996.

McDonald, Louis M., Jeffrey G. Skousen, Jennifer A. Selfridge, Paul F. Ziemkiewicz, and Kathy A. Lenter. "Effects of Chemical and Sulfate on Floc Characteristics for Treating AMD." Presented at the 23rd West Virginia Surface Mine Drainage Task Force Symposium, Morgantown, West Virginia, April 2002.

Selfridge, Jennifer A. and Louis M. McDonald. "Effect of iron coatings on limestone and surface area on dissolution rates." GSA Abstracts with Programs Vol. 34, No. 6, September 2002. Presented at GSA Annual Meeting, Denver, Colorado, October, 2002.

Selfridge, Jennifer A. and Louis M. McDonald. "Armoring processes in passive mine drainage systems." Presented at ASA-CSSA-SSSA Annual Meeting, Indianapolis, Indiana, November, 2002.

Selfridge, Jennifer A., Louis M. McDonald, Jeffrey G. Skousen, and Paul F. Ziemkiewicz. "Effect of iron coatings on limestone surface area and dissolution rates." Presented at the 24th West Virginia Surface Mine Drainage Task Force Symposium, Morgantown, West Virginia, April 2003.



Expertise

Mr. Hill serves as Geotechnical Services Supervisor for the Morgantown, WV office. He is experienced with operating a skid mount, ATV, truck and track mounted rigs. He has performed geotechnical subsurface investigations for foundation analysis, mine subsidence, and Abandoned Mine Land design. He has drilled and installed monitoring wells, piezometer and inclinometers and installed 2 feet, 4 feet, and 6 feet wells for the purpose of chemical analysis, recovery, injection and ground water direction, as well as 2 inch, 4 inch, and 6-inch wells, double case, triple case wells, stainless steel, Teflon, nitryl wells, and both soil and rock wells.

Mr. Hill is a certified monitoring well installer, a Level B, C & D for Hazardous Material and is skilled in installing wells for analysis of PCBs, hydrocarbons, along with specialty contaminants, heavy metals, organic and explosive elements; for example, buried bombs and torpedoes. Mr. Hill has also performed flow rate and pressure testing with down hole packers and experienced with fluid and air rotary systems.

Projects that Mr. Hill has experience with includes drilling in various locations, Armed Forces Installations, Garbage or Landfills, Wood Pressure Treatment facilities, Fuel Tank Farms, Metal Plating Facility, both gold and chrome, Chemical plants, and 2 sites for the United States Navy under unknown situations.

Education

Graduate of Philip Barbour High School

Professional Certifications

WV Certified Monitoring Well Installer and Well Abandonment

OSHA Article 29CFR 1910.12 Hazardous Waste Operations and Emergency Response Stnd. 40 hour training course

OSHA-40 Hour Training Course 8-Hour Refresher Course

Experience

A partial listing of Mr. Hill's relevant project experience includes:

West Virginia Department of Environmental Protection

Geotechnical Driller responsible for geotechnical investigations and drilling for numerous projects throughout West Virginia; projects include inclinometers, subsidence review, piezometers, burning refuse, mine subsidence investigation, slope stability.



Ohio Department of Natural Resources

Geotechnical Driller responsible for geotechnical investigations and drilling for numerous projects throughout West Virginia; projects include inclinometers, subsidence review, piezometers, burning refuse, mine subsidence investigation, slope stability.

Maryland Bureau of Mines

Geotechnical Driller responsible for geotechnical investigations and drilling for numerous projects throughout West Virginia; projects include inclinometers, subsidence review, piezometers, burning refuse, mine subsidence investigation, slope stability.

Star City Bridge, Star City, WV

Senior Driller performing the proof drilling for the caissons during construction of the Star City Bridge.

WVDOH Open-End Contract

Senior Driller providing geotechnical drilling support to 40 separate projects including new roads and landslides.

North Fork Hughes River Water Tank and Dam Project

Senior Driller responsible for the rock coring for pre-grouting for the dam at North Fork Hughes River.

West Virginia University

Senior Driller performing geotechnical investigations for the new West Virginia University football scoreboard.

Lost Run Bridge

Senior Driller responsible for the geology and classification of rock at this project.

Hughes River Bypass Road

Senior Driller responsible for the geology and classification of soils and rock at this project.

Morgantown Airport

Inspector performing classification of rock and verification of grouting.

