



FACSIMILE TRANSMISSION

DATE: 04/05/2022

TO:	David Pauline, Senior Buyer	FROM:	Wendy Schellhamer
COMPANY:	State of West Virginia	PROJ. MGR.:	
DEPT.:	Purchasing Division	DEPT.:	
FAX NO.:	304-558-3970	FAX NO.:	
NO. OF PAGES:	14 (INCLUDING COVER PAGE)	PROJ. NO.:	

IF THERE ARE ANY QUESTIONS PLEASE CALL:

COMMENTS:

SEALED BID: EOI- Phase I Environmental Site Assessment-Emivest Hangar
 BUYER: David Pauline, State of West Virginia
 SOLICITATION NO.: CEOI 0603 ADJ2200000012
 BID OPENING DATE: March 6, 2022
 BID OPENING TIME: 1:30
 FAX NUMBER: 304-55803970

Wendy K. Schellhamer, LEED AP, ENV SP
 Environmental Operations Manager, Sr. Associate
 STV | 205 West Welsh Drive | Douglassville, PA 19518
 (p) 610-385-8359 | (c) 610-451-2098



04/06/22 09:05:11
Purchasing Division

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April 6, 2022

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington St E
Charleston, WV 25305

Attention: Bid Clerk

Reference: Phase I Environmental Site Assessment – Emivest Hangar Site
Solicitation No. ADJ2200000012 – Solicitation Type CEOI

To Whom it May Concern:

STV Incorporated (STV) understands that the State of West Virginia is currently soliciting Expressions of Interest from qualified firms to provide professional environmental engineering/consulting services for a Phase I Environmental Site Assessment for the Emivest Hangar facility, located in Martinsburg, WV. STV is seeking an opportunity to provide these services, and we offer the attached qualifications package.

Project Approach

STV has a long and successful history of providing Phase I Environmental Site Assessments (ESAs) and Phase II Environmental Site Investigations (ESIs); these have included the abatement of hazardous materials, asbestos-containing materials (ACM), lead-based paint (LBP), and PCBs. This Phase I Environmental Site Assessment (ESA) would be conducted in accordance with the requirements of ASTM International Standard E 1527-21 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". The Phase I Environmental Site Assessment (ESA) includes the following tasks:

1. Conduct a database search to identify federal, state, and local environmental records regarding past and current waste management practices at the property, as well as adjacent properties. We will also collect and review historical documents (e.g., fire insurance maps, topographic maps, aerial photographs, etc.) that depict the project site.
2. Conduct a site walkdown with attention to obvious sources of past or present waste management/land use practices at the site (i.e., stained/stressed vegetation, unexplained earthen mounds, lagoons, pits, dump areas, stained floors or walls inside structures, waste storage areas, above ground and underground storage tanks, fill ports/pipes for underground tanks, etc.).
3. Develop a Phase I report that identifies whether the potential exists for the presence of recognized environmental conditions within the project area. It will summarize the site conditions and impacts associated with the property. If the potential for recognized environmental conditions exists, the report will include recommendations regarding additional investigations under a subsequent ASTM Phase II Environmental Site Assessment (ESA) approach.

Differentiators

STV's successful 30+ year history of providing services for our clients across the country includes a broad array of service offerings and skillsets that set us apart from our competition. Some of STV's key differentiators include:

Client Services – STV communicates consistently with our internal and external clients, subconsultants, and other third-party stakeholders. STV places great emphasis on our ability to rapidly respond to our clients'



electronic and telephone communications. We often respond within the hour to a client's request and, because of our numerous office locations, we can mobilize field teams on projects within one day of a request.

Expertise – STV carefully screens our candidates and selects only the best from most reputable engineering schools. We have been successful in cultivating our image around the talents and expertise of our technical staff.

Technology/Tools – STV utilizes a robust platform of the state-of-the-art engineering, design, and project management software packages to produce quality project deliverables.

Safety History – STV is an ISNetworld-compliant consultant with a robust and responsive in-house safety culture and training program.

Quality Assurance and Quality Control (QA/QC) – STV has a formal and pragmatic QA/QC program that is supervised by a dedicated group of senior personnel. The success of our program is evidenced by the volume of repeat business with our long-standing clients.

STV appreciates the opportunity to submit this information to the State. We are confident that our submission thoroughly demonstrates our experience and understanding of the Phase I Environmental Site Assessment project requirements and the processes necessary to achieve a successful outcome. The following documents are attached, to further represent our Phase I ESA qualifications:

- Representative Project Description
- Resumes of Project Staff
- STV's Program Management Approach

We hope the information provided in these qualifications documents leads to further discussions about the project and how STV may serve the State going forward. If you have any questions regarding any of the information provided, please contact me directly at (610) 698-9772, or christopher.antoni@stvinc.com. Again, thank you for considering STV.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Antoni", written over a horizontal line.

Christopher Antoni, P.E. P. Eng
Senior Vice President
STV Incorporated



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

State of West Virginia
Centralized Expression of Interest

Proc Folder: 1020810			Reason for Modification:
Doc Description: EOI- Phase I Environmental Site Assessment-Emivest Hangar			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2022-03-21	2022-04-06 13:30	CEOI 0603 ADJ2200000012	1 -

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code:

Vendor Name : STV Incorporated

Address : 205 West Welsh Drive

Street :

City : Douglassville

State : Pennsylvania **Country :** U.S.A. **Zip :** 19518

Principal Contact : Christopher D. Antoni, PE, PEng

Vendor Contact Phone: 610 385 8233 **Extension:**

FOR INFORMATION CONTACT THE BUYER
David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor Signature X  **FEIN#** **DATE** April 6, 2022

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

The West Virginia Purchasing Division, for the agency, the West Virginia Army National Guard, Construction and Facilities Management Office, is soliciting Expressions of Interest from qualified firms to provide professional environmental engineering consulting services to provide a Phase I Environmental Site Assessment for the Emivest Hangar facility, located in Martinsburg, WV, per the attached documentation.

INVOICE TO / BILL TO

ADJUTANT GENERALS OFFICE 1707 COONSKIN DR CHARLESTON WV 25311 US	ADJUTANT GENERALS OFFICE 1705 COONSKIN DR CHARLESTON WV 25311 US
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Line	Comm Ln Desc	Qty	Unit Issue
1	EOI- Phase I Environmental Site Assessment-Emivest Hangar		

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description:
EOI- Phase I Environmental Site Assessment-Emivest Hangar per the attached documentation.

ORDER HISTORY

Line	Event	Event Date
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	Document Phase	Document Description	Page
ADJ2200000012	Final	EOI- Phase I Environmental Site Assessment-Emivest Hangar	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

STV's Phase I Environmental Site Assessment (ESA) Project Experience

PHASE I ESA, PHASE II SITE INVESTIGATIONS, AND NEPA CATEGORICAL EXCLUSIONS

Sprint PCS | Various Locations in WV, OH, KY, PA, MD, VA, NJ, NY

Sprint PCS retained STV to perform Phase I ESAs and Phase II Site Investigations as well as to obtain Categorical Exclusions (CEs) under the provisions of NEPA for new communications stations to be located throughout Ohio, Kentucky, Virginia, West Virginia, Pennsylvania, Maryland, New Jersey, and New York. The firm prepared more than 400 ASTM Phase I ESAs and NEPA CE reports for Sprint PCS.

The Phase I ESAs consisted of examining pertinent environmental records, including environmental database information; performing a site reconnaissance to obtain information indicating the likelihood of recognized environmental conditions; conducting site or other appropriate interviews to obtain information concerning the current and historic site setting and environmental practices; and preparing the Phase I ESA project reports.

The Phase II site investigations were performed at sites to further evaluate potential hazardous waste issues and develop Phase II work, health and safety, and QA plans. Activities included sampling and laboratory analysis of environmental mediums, such as subsurface soils, surface water, sediments, sludges, and groundwater. Activities were summarized with findings, conclusions, and recommendations in final reports that were used by Sprint to make sound decisions regarding environmental conditions during construction.

The CEs were performed in accordance with applicable federal regulations and guidelines, including those of the FCC. Essentially, the FCC regulations state that a CE may be obtained unless the proposed activity falls within one of the environmentally sensitive areas or situations listed in 47 CFR Section 1.1307 — wilderness areas, wildlife preserves, endangered species, historic sites, Indian religious sites, floodplains, and surface features (e.g., wetland fill, deforestation, or water diversion). To perform the EAs and to obtain regulatory information and clearances within the time constraints imposed by Sprint, STV worked closely with the property owners and regulatory authorities to coordinate site visits and submit appropriate documentation. Due to effective communication and coordination with the regulatory authorities, soon after the projects began the firm was able to obtain, in certain instances, blanket exclusions for areas that had been previously disturbed for communication purposes.

All aspects of both the EA and CE processes were completed on budget, due in large part to STV's systematic approach in performing multi-site evaluations.

STV's Phase I Environmental Site Assessment (ESA) Project Experience

PHASE I ENVIRONMENTAL SITE ASSESSMENTS

Reading Regional Airport | Reading, PA

The Berks County Industrial Development Authority (BCIDA) reached an agreement with the Reading Regional Airport Authority (RRAA) for the purchase of five parcels of land adjacent to the Reading Regional Airport. The BCIDA proposed the development of the land as the Reading/Berks Research and Technology Center. The total project area encompasses approximately 206 acres of developed and undeveloped land.

STV supported BCIDA by providing due diligence through the delivery of Phase I Environmental Site Assessments (ESAs) for each of five parcels within the 206-acre property. The ESAs were conducted under American Society for Testing and Materials (ASTM) standards and the U.S. Environmental Protection Agency (EPA) newly promulgated All Appropriate Inquiry (AAI) methodology. Each ESA included: 1) site facilities inspections, including an assessment of recognized environmental conditions, asbestos-containing materials, and potential lead-based resources; 2) boundary and topographic surveys of the individual parcels of non-aviation land; 3) a required subdivision plan necessary to complete the sale; and 4) a feasibility study to determine the amount of acreage in the floodplain areas that could be reclaimed. Additionally, STV provided an assessment of floodplain areas within potential purchase properties.

STV is currently managing a subconsultant responsible for surveying and development of a subdivision plan of the properties.

Task 1 – ASTM Environmental Site Assessments

STV has performed five Phase I ESAs to Parcels 1, 2, 3, 5, and 6. Parcel 4 was not requested. Each Phase I ESA included site visits and compilation of information from a wide variety of sources, including historical Sanborn maps and aerial photographs, chain of title, and environmental database searches for the sites, adjacent parcels, and spill/incident sites within ½- to 1-mile radii of each of the five parcels. STV determined if asbestos- and lead-containing materials (ACMs and LCMs) were present within structures, underground utilities and/or buildings within the parcels that would be acquired or demolished. On-site visual inspections of all suspect buildings, structures, and grounds were conducted as part of the ESA to identify potential locations of recognized environmental conditions and suspected ACMs and LCMs. Based on the information obtained from the Phase I ESAs, three parcels were determined to require further sampling and testing as part of subsequent Phase II ESAs.

STV's Phase I Environmental Site Assessment (ESA) Project Experience**PHASE I ENVIRONMENTAL SITE ASSESSMENTS****New York City School Construction Authority | New York, NY****Phase I ESA at Public School 94X**

STV prepared a Phase I ESA which identified several RECs including onsite underground storage tanks and offsite historic gasoline station, dry cleaners, and auto repair facilities. The STV Phase II report recommended that for the site to be suitable for construction of a New York City public school, a soil vapor barrier with sub-slab depressurization system (SSDS) should be installed to prevent potential migration of organic vapors into the proposed school building. STV designed a soil vapor barrier and sub-slab depressurization system (SSDS) for the school that was reviewed and approved by the NYSDEC. During installation, STV managed the contractor to ensure proper operation of the system and construction according to the design. After installation, STV provided an operation and maintenance plan and training for the inspection, routine maintenance, preventative maintenance, and contingency measures for the SSDS.

Phase I ESA at Public School 281M (at Kips Bay Fuel Terminal)

STV was retained by the NYCSCA to provide a detailed explanation of all specifications and design plans to address remedial measures at the former Kips Bay Fuel Terminal. The site was listed in the NYSDEC Voluntary Cleanup Program and all future construction activities at the site needed to be conducted in compliance with the Site Management Plan (SMP) developed for this site. The Phase II ESI was performed to address the potential for subsurface impacts to the Site from the historical use of adjacent properties. The results of the analysis of soil vapor samples revealed the presence of several petroleum related volatile organic compounds (VOCs) at concentrations above the anticipated NYSDOH background levels. STV concluded that the elevated concentrations of petroleum-related VOCs were from residual petroleum impacts associated with the historic use of the Kips Bay Fuel Terminal and surrounding area.

Phase I ESA at Intermediate School 45M

STV was alerted to a release of No. 2 fuel oil into an excavation located outside the Boiler Room of Intermediate School 45 (I.S. 45M). The NYSDEC Spill Hotline was called to report the petroleum release and the NYCSCA requested that STV conduct a Subsurface Investigation to delineate the petroleum impact to soil and groundwater and prepare a Remediation Plan. The subsurface investigation activities consisted of a geophysical investigation; advancement of soil borings; collection of soil and groundwater samples for laboratory analyses; installation of recovery wells; and a series of free product recovery events. STV performed in-situ waste characterization soil sampling to expedite the off-site transport and disposal of excavated material. Other activities included groundwater sampling to facilitate dewatering and obtain a sewer discharge permit, installation of sheeting/shoring to facilitate excavation activities, removal and off-site disposal of petroleum-contaminated soil, monitoring and control of dust and odor emissions, removal and disposal of petroleum-contaminated groundwater, and placement of clean backfill and asphalt surface cover.

STV's Phase I Environmental Site Assessment (ESA) Project Experience

ENVIRONMENTAL ASSESSMENTS AND ENGINEERING SERVICES***New York City Transit | New York, NY***

STV is providing environmental engineering services, including environmental testing, monitoring, field surveys, remediation oversight, environmental assessments, due-diligence assessments, and mitigation planning as part of an on-call contract with NYC Transit. The firm has completed more than 40 work orders under this contract to-date.

New Bus Depot at the Chocolate Factory Site

STV prepared an environmental assessment (EA) and subsequent Phase II Environmental Site Assessment (ESA) pursuant to the New York State Environmental Quality Review Act. STV provided an updated Phase I ESA and identified the recognized environmental conditions (RECs). STV completed a focused subsurface investigation to identify impacts to soil and groundwater quality from these environmental hazards, collecting soil and groundwater samples from 10 soil borings in the vicinity of identified RECs.

Rockaway Line Viaduct EA and Permitting

STV performed both a Phase I Environmental Site Assessment (ESA) in conformance with ASTM Practice E 1527-05 and NYC Transit requirements and a due diligence assessment (DDA) addressing the following categories: traffic and parking, transit and pedestrians, air quality, noise and vibration, land use and neighborhood character, community activities and facilities, natural resources, park land, historic and cultural resources, infrastructure, and hazardous materials. During the Phase I ESA, STV investigated four recognized environmental conditions (RECs) near the viaduct, including historic gasoline stations and automotive repair shops, a former dry cleaning facility listed as a state hazardous waste site with groundwater contamination, a gasoline station with confirmed soil and groundwater contamination, and a leaking underground storage tank with confirmed soil and groundwater contamination.

Queens Boulevard Emergency Ventilation Plant DDA

STV performed a Phase I Environmental Site Assessment and due diligence assessment (DDA) to determine the proposed project's impacts on the surrounding human and natural environments. The Phase I ESA identified recognized environmental conditions in connection with the area's history of auto repair shops, gasoline filling stations, and manufacturing. In addition, an open New York State Department of Environmental Conservation spill was located within the study area.

Grand Avenue Parking Lots EA

STV completed Phase I and II Environmental Site Assessments in accordance with New York State Environmental Quality Review Act requirements to evaluate the potential environmental impacts resulting from construction and operation of parking facilities for depot employees.

West Virginia Phase I Environmental Site Assessment (ESA) for Univest Hangar**JAMES HUNKELE****Project Manager****EDUCATION**

Bachelor of Science,
Environmental Resource
Management; Pennsylvania
State University

TRAINING/CERTIFICATIONS

SafeLandUSA Training;
Americafe Consulting and
Safety Services (2015)

Certificate Program in
Geographic Information
Systems; Pennsylvania State
University

Wetland Delineator
Certificate; U.S. Army Corps
of Engineers (USACE)

NEPA and the Transportation
Development Process;
Federal Highway
Administration (FHWA)

OSHA 40-hour HAZWOPER
Certification

Mr. Hunkele is a senior environmental scientist with more than 22 years of experience providing services to both private and public sector clients in the energy, highway and roadway, rail, telecommunications, government, military, industrial, commercial, and residential building markets. His background includes wetland identification and delineation in accordance with U.S. Army Corps of Engineers (USACE), state, and local standards; post-construction stream restoration and wetland mitigation monitoring; erosion and sediment control design and construction inspection; Phase I Environmental Site Assessments (ESAs) and Phase II Environmental Site Investigations (ESIs) in accordance with ASTM and All Appropriate Inquiry (AAI); and Environmental Assessments (EAs) and Categorical Exclusions (CEs) in accordance with the NEPA. Mr. Hunkele is also skilled in conducting threatened and endangered species habitat evaluations and permitting needs assessments. In addition, he is adept in feasibility study development; permit application preparation; agency coordination; hazardous waste characterization; health/safety monitoring; public involvement and service; and preparation of various technical reports.

PROJECT EXPERIENCE***Sprint Nextel Cellular Tower Sites ESAs and Categorical Exclusions - Environmental Scientist***

Conducted site reconnaissance and provided visual documentation to design cellular telephone tower sites and compound layouts for facilities throughout West Virginia, Kentucky, Ohio, and Pennsylvania. Mr. Hunkele interpreted aerial photographs and reviewed historical maps, titles, and agency records. He interviewed property owners during the site layouts. He was also involved in Phase I ESAs and Phase II ESIs, as well as CEs under the provisions of the NEPA requirements for the new communication stations.

Dominion Energy Ohio TSG and WOF Program - Project Manager/Environmental Scientist

Managing and coordinating the completion of risk assessment, database development, field survey, engineering design, environmental agency permitting, municipal/state permitting, construction/contractor support, and other services for maintenance and repair of Dominion Energy's natural gas pipelines throughout Ohio. Mr. Hunkele is responsible for directing the transmission storage gathering (TSG) and weather and outside forces (WOF) project team including subcontractors, maintaining quality control, and managing budgets, schedules, and project deliverables. Mr. Hunkele also assists with quality reviews, stream and wetland delineation, threatened and endangered species habitat evaluation, local, state, and federal agency coordination, and permit application review and completion.

Explorer Pipeline Manhattan Extension - Environmental Scientist

Managed the environmental permitting and approval processes associated with the construction of a 24-inch diluent pipeline from Explorer's Peotone Station to Enbridge Pipeline's Manhattan Terminal in Will County, IL. Mr. Hunkele was responsible for coordinating the completion of a Jurisdictional Determination and Regional Permit No. 8 with the USACE Chicago District.

West Virginia Phase I Environmental Site Assessment (ESA) for Umivest Hoangar**DOUGLAS GLORIE, PE, CIH, LEED AP**
Environmental Scientist**EDUCATION**

Master of Business
Administration, Business
Finance; Baruch College at
City University of New York

Bachelor of Science,
Agricultural and Biological
Engineering; Cornell
University

**PROFESSIONAL
REGISTRATIONS**

Professional Environmental
Engineer

CERTIFICATIONS

LEED Accredited Professional
(AP) (2007)

Certified Industrial Hygienist
(# [REDACTED] exp. 6/1/25);
American Board of Industrial
Hygiene

Mr. Glorie is a seasoned environmental engineer with more than 28 years of experience managing a wide range of environmental engineering, remediation, and construction projects. He is experienced in managing project budgets, technical designs, and staffing for projects involving asbestos surveys, abatement project monitoring, lead-based paint (LBP) surveys, and microbial investigations. Mr. Glorie is knowledgeable in federal environmental regulations and standards, including standards for spill prevention, stormwater pollution prevention, and pollutant discharge elimination. He has performed numerous Phase I ESAs, Phase II ESIs, and property condition assessments. Mr. Glorie has designed field data-entry systems that have substantially reduced reporting time and increased staff efficiency. In addition, he is well versed in the interpretation of construction drawings and specifications, construction finance monitoring, and plan and cost document reviews.

PROJECT EXPERIENCE**NYCDDC On-Call Environmental Services - Environmental Scientist**

Managed numerous asbestos, lead, and environmental assessment projects during a 3-year, \$2 million task-order environmental services contract with the New York City Department of Design and Construction (NYCDDC). Mr. Glorie administered asbestos surveys and designs and lead inspections. He also oversaw microbial assessments and corridor assessments for projects at numerous facilities, including the Chelsea Health Center, municipal libraries, police precincts, fire departments, cultural centers, the Staten Island Zoo, and museums throughout the five boroughs of New York City.

FBI NEPA Environmental Assessment at FBI Academy, Quantico, VA - Environmental Project Manager

Managed environmental and hazardous materials assessments as part of investigation services for remediation of Ranges 4 and 5 at the FBI training academy's range complex in Quantico, VA. Mr. Glorie directed a soil assessment to identify areas throughout the site where lead concentrations were elevated. He measured concentration levels and compared them with acceptable exposure point concentrations before leading to human and environmental risk. He was also responsible for preparing alternatives for mitigation or remediation, as well as making recommendations for repairs to the existing lead management system, including cost estimates.

FBI Asbestos Survey of 20 Buildings, FBI Academy, Quantico, VA - Asbestos Project Manager

Managed and performed a survey for asbestos-containing materials (ACM) at the FBI training academy in Quantico, VA. Mr. Glorie oversaw the collection of 1,086 samples of suspect materials in 20 buildings on campus and made sure all survey activities were performed in compliance with the Asbestos Hazard Emergency Response Act (AHERA), the Code of Federal Regulations, ASTM International's Standard Practice for Comprehensive Building Asbestos Surveys guidance, and OSHA safety regulations.

*West Virginia Phase I Environmental Site Assessment (ESA) for Univest Hangar***MATTHEW MANKOVITCH***Environmental Scientist***EDUCATION**

Bachelor of Science, Natural Sciences; University of Pittsburgh at Johnstown

TRAINING/CERTIFICATIONS

Secure Worker Access Consortium

Brownfield Industry Professional, Gold Level; New York City Mayor's Office of Environmental Remediation

OSHA 10-Hour Construction Safety and Health

OSHA 40-Hour HAZWOPER

Mr. Mankovich is an environmental project manager with more than 22 years of experience managing and executing a wide range of environmental projects specializing in due diligence services for large and small public and private clients. Matt is technically proficient in environmental site assessments and investigations, quality assurance/quality control, project management, scoping, budgeting, and project closeout. He has performed, reviewed, and/or managed staff in connection with over five hundred site assessments/investigations in accordance with current ASTM International. His technical expertise includes the management and comprehensive reviews of Phase I Environmental Site Assessments (ESAs), Phase II Environmental Site Investigation (ESIs), Phase II ESI Work Plans and Cost Estimates, Soil Vapor Intrusion (SVI) Investigations, Indoor Air Quality (IAQ) Investigations, Underground Storage Tank (UST)/Aboveground Storage Tank (AST) Investigations, NYSDEC spill investigations, Remedial Investigations and Work Plans, and other client-specific assessments and investigations.

DANIEL BROCKERHOFF*Environmental Scientist***EDUCATION**

Bachelor of Science, Geology; Geology; New Jersey City University

TRAINING/CERTIFICATIONS

OSHA 40-Hour HAZWOPER (2011)

OSHA 8-Hour HAZWOPER Refresher Training

OSHA 10-Hour Construction Safety and Health

Mr. Brockerhoff is an environmental scientist focused on environmental due diligence and remediation services. He has experience with various field activities such as soil, groundwater, and soil vapor investigations and remediation; surface water sampling; environmental site assessments; and remedial activity oversight. Mr. Brockerhoff has performed this work for various agencies in the New York metropolitan area in compliance with federal, New York State Department of Environmental Conservation (NYSDEC), and New Jersey Department of Environmental Protection (NJDEP) requirements. His experience includes monitoring well installation and abandonment; soil boring installation and logging; large scale soil excavations, and the removal of hazardous and non-hazardous materials from sites under appropriate chain of custody. He also has expertise with GIS mapping.

CARLY GAZZE*Environmental Scientist***EDUCATION**

B.S., Geosciences; The Pennsylvania State University

TRAINING/CERTIFICATIONS

OSHA 10-Hour Construction Training

OSHA 40-Hour HAZWOPER Training

Carly Gazze is a geologist with over 2 years of experience working on environmental projects specializing in environmental due diligence, site investigations, and remediation. She is technically experienced in various field activities related to subsurface investigations and has experience with data management, interpretation, and technical report preparation.

West Virginia Phase I Environmental Site Assessment (ESA) for Umivest Hangar

STV PROJECT MANAGEMENT PLAN AND APPROACH

Successful project and task execution depend on sound planning, communication, engineering principles, incorporation of best-practices and lessons-learned, as well as an effective program and project management approach. The objectives of our management approach are to:

- Satisfy scope of work task and technical requirements,
- Identify and assign the most appropriate staff to perform each task,
- Provide on-time completion (schedule compliance) of project deliverables,
- Manage costs within budgetary targets,
- Maintain and verify quality of all project deliverables,
- Oversee and manage work performed by our subcontractors,
- Satisfy the client's project execution and documentation processes; and
- Conduct open and honest communication with the client throughout the life of the project.

STV's designated project manager, reporting to STV's principal-in-charge and senior vice president, will serve as the single point of contact between the client and STV's assigned project team, including our independent project controls, safety management, and quality control functions.

Project Controls

STV provides task-by-task management and control of the functional work activities, and day-to-day supervision and tracking of the project. Our project control mechanisms ensure strict compliance with schedules, resource allocation, and cost estimates for the total project, as well as for the major functional areas. This control system has been proven in similar projects requiring scheduling and rescheduling or modifying planned activities due to unanticipated circumstances.

Cost Control

STV will use its established cost accounting system for project cost control on work orders under this contract. The accounting system is structured to provide easily identifiable costs for each element of the project WBS and for each element of project management cost. Project cost control will be facilitated using earned value analysis and risk management assessments.

Schedule Control

To provide necessary schedule control for a given task, we will utilize the critical path method (CPM). CPM provides readily identifiable task progress and monitoring of each individual functional element, as well as the progress of the total project. A milestone project schedule has been developed that includes all project task assignments. A master CPM network diagram will be developed setting the priorities and pace of individual task elements to meet the requirements for completion of the task. The master CPM network diagram is updated periodically as deemed necessary by the project manager and is thoroughly reevaluated immediately before work begins on each phase.