

# Expression of Interest

June 19, 2018

*Source Water Protection Plan*

WEST VIRGINIA  
Department of

**Health &  
Human  
Resources**



**BUREAU FOR PUBLIC HEALTH**

RECEIVED

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WV PURCHASING  
DIVISION

**Prepared for:**

Jessica Chambers  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Charleston, WV 25302-0130

**Prepared by:**

Triad Engineering  
10541 Teays Valley Road  
Scott Depot, WV 25560  
(304) 755-0721

**TRIAD**  
TRIAD ENGINEERING, INC.



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

State of West Virginia  
 Centralized Expression of Interest  
 02 — Architect/Engr

Proc Folder: 403929

Doc Description: Addendum 2 EO: Source Water Protection Plan

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-06-11	2018-06-19 13:30:00	CEOI 0506 EHS1800000001	3

**BID RECEIVING LOCATION**

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

**VENDOR**

Vendor Name, Address and Telephone Number:

Triad Engineering, Inc.  
 10541 Teays Valley Road  
 Scott Depot, WV 25560  
 304-755-0721

**FOR INFORMATION CONTACT THE BUYER**

Jessica S Chambers  
 (304) 558-0246  
 jessica.s.chambers@wv.gov

Signature X

FEIN #

55 0592364

DATE 6-18-2018

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

**ADDITIONAL INFORMATION:**

**Addendum**

Addendum No.02 issued to publish and distribute the attached information to the vendor community.

The Acquisition and Contract Administration Section of the Purchasing Division is soliciting Expression(s) of Interest for Department of Health and Human Resources, Office of Environmental Health Services, Environmental Engineering Division, from qualified firms to provide architectural/engineering services as defined herein in the attached terms and conditions and specifications.

\*\*\*Please note: Online Responses via Oasis have been prohibited. Proposals must be mailed or faxed prior to bid opening.

INVOICE TO:	SHIP TO:
PURCHASING DIRECTOR 304-356-4116 HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH ENVIRONMENTAL HEALTH SERVICES 350 CAPITOL ST, RM 313  CHARLESTON WV25301-1757  US	PURCHASING DIRECTOR 304-356-4116 HEALTH AND HUMAN RESOURCES BPH - ENVIRONMENTAL HEALTH SERVICES 350 CAPITOL ST, RM 313  CHARLESTON WV 25301-1757  US

Line	Comm Ln Desc	Qty	Unit Issue
1	Source Water Protection Plan	0.00000	

Comm Code	Manufacturer	Specification	Model #
81100000			

**Extended Description :**

The Source Water Protection Plan project will be coordinated by the Office of Environmental Health Services, and the project will be completed at various (CPWS) utilities as displayed in Appendix A and B of the attached Expression of Interest document. The service would be for Engineering technical assistance to assist community public water supply (CPWS) utilities in developing local source water protection programs to protect public health and safety.

June 19, 2018

Jessica Chambers  
West Virginia Department of Administration, Purchasing Division  
2019 Washington Street, East  
Charleston, West Virginia 25305

**Re: Expression of Interest  
CEOI 0506 EHS180000001  
Triad Proposal No.: 04-18-0297**

Dear Ms. Chambers:

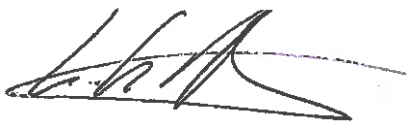
We are pleased to present our Expression of Interest for the West Virginia Department of Health and Human Resources Source Water Protection Plan to assist Community Public Water Supply utilities in developing local source water protection programs to protect public health and safety. Triad Engineering, Inc. (Triad) is confident that the attached documentation will illustrate why we are the best candidate for this project.

- Triad has outstanding technical qualifications including our experienced professional staff, modern equipment, and our knowledge of the potential project areas.
- Triad has been working with Public Stormwater Utilities for over 10 years in an engineering and design capacity and has developed a comprehensive working knowledge of Water Treatment and Distribution Systems.
- Triad has specific experience in dealing with all the aspects of your project including our civil engineering design experts and our environmental scientists and engineers.
- Triad has extensive experience in preparing Source Water Protection Plans (SWPP), Stormwater Pollution Protection Plans (SWPPP), Spill Pollution Response Plans (SPRP) and Spill Prevention Control and Counter Measure Plans (SPCC).
- All work for this project will be performed by Triad's Scott Depot, WV office with support from Triad's other six offices as needed including our Morgantown, West Virginia office.
- Triad's accounting system is up to date and well maintained. It segregates and identifies accumulating costs for each job that is performed under this type of project.

We appreciate the opportunity to submit the attached materials in response to your request for Expressions of Interest. If you have any questions or comments about our proposal, please do not hesitate to contact us at 304-755-0721.

Very truly yours,

**TRIAD ENGINEERING INC.**



Larry L. "Lee" McCoy, Jr., PE  
Civil/Utilities Services Manager



David F. Meadows, PE, PS  
Regional Manager

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Based on our review of the request for Expression of Interest, we understand the West Virginia Department of Health and Human Resources is requesting engineering services to assist Community Public Water Supply (CPWS) utilities in developing local source water protection programs to protect public health and safety. Triad has completed Source Water Protection Plans (SWPP) for the following Public Water Supply Utilities (PWSU):

1. Spencer Water Department – Spencer, WV
2. Walton PSD – Walton, WV
3. Grantsville Municipal Water – Grantsville, WV

Subsequent to the Freedom Industries spill of crude MCHM into the Elk River approximately 1 mile up river of West Virginia American Water's intake, Senate Bill 373 was passed to change and update current WV code. As a part of this bill, all Public Water Utilities which draw and treat water from a surface water supply source or a surface water influenced groundwater supply source shall generate a SWPP. The Source Water Protection Plans must:



- contain a contingency plan that documents each public water utility's planned response to contamination;
- describe the ability to isolate or divert contaminated waters from source intakes;
- describe the ability to switch to an alternative water source or intake;
- address the existing ability to close water intakes in the event the primary water source has become contaminated;
- report unaccounted for water and, if the quantity delivered to users is less than 85% percent, a description all of the measures being actively taken to reduce the level of water loss;
- list potential sources of significant contamination, including associated quantities, within the zone of critical concern;
- include, if the water supply plant is served by a single-source intake, an examination and analysis of the feasibility of providing continued safe and reliable public water service in the event the primary source is contaminated (backup intakes, additional storage, using interconnections);

- contain a management plan that identifies specific activities to protect the source water supply from contamination;
- present a communications plan that documents how agencies and the public will be notified no later than thirty minutes after the public water system becomes aware of potential contamination;
- contain a complete and comprehensive list (from agencies) of the potential sources of significant contamination within the zone of critical concern; and
- examine the technical and economic feasibility of implementing an early warning monitoring system

Senate Bill 373 also stipulates that any public water utility required to file a plan must file an updated source water protection plan at least every three years or when there is a substantial change in the potential sources of significant contamination within the identified zone of critical concern.



The following is our proposed approach to the project(s), broken down into tasks. This approach is based on and incorporates all scope items set forth in the request.

### **Task 1 - Initial and Project Closure Meetings**

At the onset of the project(s), we will meet with the local utility manager and any other key project stakeholders. These meetings will be for the purpose of starting the data collection process and review of the existing Source Water Assessment Reports (SWAR) and any existing Source Water Protection Plans (SWPP).

At the completion of the project, a meeting will be held to assess the SWPP and to determine the necessity of additional work.

### **Task 2 – Protection Team Meetings**

This task includes reaching out to and determining potential members of the actual team that will be responsible and instrumental in fulfilling the necessary tasks and developing the SWPP.

The established protection team will hold regular meetings to assess progress, project needs and other issues to keep the team on task and on schedule.

The protection team will also be responsible for reaching out to the public for information and providing public education through meetings, information materials, etc.

### **Task 3 – Update Potential Contaminant Sources Inventory**

A potential contaminant source (PCS) inventory will be completed to identify contaminant sources and land uses in the delineated Source Water Protection (SWP) area and their location in relation to the intake. These PCS's will be identified on a 7.5-minute topographic map. Much of this data is available at the WV Bureau of Public Health, Office of Environmental Health Services, Source Water Assessment and Protection (WV SWAP) Program. A local inventory will also be conducted to field verify the information provided by the WV SWAP Program and gather additional data as needed.

Based on information obtained during the PCS inventory, each public water system's susceptibility to contamination will be determined. The susceptibility analysis will provide an indication to actions that each system should take to protect the system's source(s).

### **Task 4 – Update Management Plan**

The existing Source Water Management Plans and Source Water Assessment Reports for each entity will be reviewed and revised to include new potential sources of contamination that were identified during the PCS inventory task.



### **Task 5 – Source Water Monitoring Plan/Early Warning**

Source Water Monitoring Plans will be updated along with an investigation of feasibility of an early warning monitoring system. This phase will include a conceptual design of the early warning system and associated costs.

### **Task 6 – Contingency Plan Development**

An Emergency or Contingency Plan will be prepared for each public water supply. The plan will provide each entity with a plan of action in the event that a drinking water source becomes contaminated, or is threatened by contamination. At a minimum, the Contingency Plan will consist of the following:

- Water supply characteristics, such as source name/identification number, water demands, water source capacity or yield, distribution system layout, storage capacity, etc.
- Alternate water supply or sources in case of shortage, contamination, etc.
- Contact names and phone numbers in case of an emergency for public water supply operator and state and local contacts.
- Financial considerations in case of contamination/emergency.

In addition, there will be an opportunity for public participation in the development of the contingency plans.

### **Task 7 – Project Management - Communication**

This task involves Triad's communication and interaction with the project team. Triad's project manager will be responsible for constantly keeping the project team informed of project progress as well as project issues and problems. This will be accomplished through calls and emails as necessary and the submission and presentation of monthly project summary reports.



Triad's project manager is responsible for maintaining Project Quality Control and Project Cost Accounting Control. We envision that these controls will be achieved as follows:

- Triad will not exceed the project budget unless changes in the Scope or field conditions necessitated the change. These issues, should they arise, will be immediately reviewed with the WVDHHR to determine whether the

**Project Budget and/or QA/QC objectives should be modified. Triad will not perform any work outside the approved Scope and Budget unless first approved and authorized by WVDHHR.**

- **Documents produced by Triad will undergo a secondary in-house QA/QC review by personnel experienced with the requirements of the project.**
- **Triad uses Microsoft Dynamics accounting software to track project financial components of our projects, including both labor and expenses. Labor hours and Expenses are entered electronically on a daily basis by professional personnel and a daily summary are available to the Project Managers for review. Our project manager will use this tool to monitor the financial aspects of the project relative to the approved Scope and Budget.**
- **Invoices will be submitted monthly and will only be for the work performed for the applicable time period.**



**Triad Engineering, Inc.** is a regional consulting firm based in West Virginia that provides professional services in the areas of civil, water and wastewater, environmental, mining, geotechnical and chemical engineering; site assessment; planning and landscape architecture; geology and hydrogeology; surveying and mapping; construction inspection; and related services. Our firm has provided services on many thousands of projects of varying size and complexity since its founding in Morgantown, West Virginia in 1975.

Through our over 42 years of service in West Virginia and surrounding states, both the number and complexity of these projects have grown. Our clients include Federal and State governmental agencies, mining and industrial corporations, contractors, architects, engineers, attorneys, developers, and commercial organizations.

Facilities and equipment available to support our staff have continued to evolve through the years to adapt to the changing needs of the market. Each of our offices contains computer facilities that are utilized for hydrogeologic evaluations, risk assessment, stability analyses, survey data reduction, mapping and site design. Our computer based drafting and reproduction facilities are used to develop detailed site plans,



construction details, and other graphic documentation as required for our projects.

Triad currently includes a staff of approximately 175 personnel located in seven offices. Our personnel include chemical, civil, environmental, geotechnical and mining engineers, as well as geologists and biologists, chemists, environmental scientists, planners, hydrogeologists, landscape architects, natural resource specialists, regulatory compliance specialists, permitting engineers, risk assessors and health and safety specialists.

**“[Triad is] always good to work with.”**

*-WVDEP / Abandoned Mine Lands Program*

Our technical support and administrative staff includes designers, draftsmen, surveyors, technicians, drillers, construction inspectors and clerical personnel. Most of our professional and technical staff have been with the company for many years. We pride ourselves on a very low turnover rate, which adds to continuity and enhances the level of productivity and experience afforded by Triad.

## Triad Office Locations



### Scott Depot

10541 Teays Valley Road  
Scott Depot, WV 25560  
304-755-0721 Phone

### Morgantown

1097 Chaplin Rd.  
Morgantown, WV 26501  
304-296-2562 Phone

### Northern Virginia

46040 Center Oak Plaza  
Suite 180  
Sterling, VA 20166  
703-729-3456 Phone

### Athens

1005 East State Street  
Suite 10  
Athens, OH 45701  
740-249-4304 Phone

### Winchester

200 Aviation Drive  
Winchester, VA 22604  
540-667-9300 Phone

### Hagerstown

1075-D Sherman Avenue  
Hagerstown, MD 21740  
301-797-6400 Phone

### Pittsburgh

201 Penn Center Boulevard  
Suite 400  
Pittsburgh, PA 15235  
412-257-1325 Phone

Triad has assembled a team of individuals with broad experience to bring unmatched knowledge and expertise to your project. The professional staff who will be assigned to your project will possess the necessary qualifications in their particular areas of expertise, and will work with you and your staff to ensure success. Following is a brief summary of our key staff for this project:

Our principal in charge, **David Meadows, PE, PS**, is a registered professional engineer and surveyor. Mr. Meadows brings over 40 years of leadership, design and project management experience to Triad Engineering. Mr. Meadows joined Triad in 2013 to provide management to the southwest region which includes the southern West Virginia area and the Athens, Ohio office. Prior to coming to Triad he served in a number of technical and leadership positions at the US Army Corps of Engineers, Huntington District. His expertise includes civil design, geotechnical engineering, construction management, surveying, environmental remediation and water resources engineering.

**Larry L. "Lee" McCoy, Jr., PE**, is the Department Manager for our Civil/Utilities Department and a Senior Engineer for the Scott Depot office of Triad. Mr. McCoy has designed and managed projects in numerous disciplines including civil, structural and transportation engineering, site development, planning and surveying. These projects have included water distribution systems, streets/highways, bridges, retail/commercial site preparation, airports, parking lots, buildings, retaining walls/foundations, sanitary structures, as well as recreational facilities.

**James "Bo" Criniti, PE**, is currently a Project Engineer and is responsible for civil and surveying projects. He has participated in the design and management of numerous projects including retail/commercial site preparation, airports, parking lots, buildings, retaining walls, foundations, sanitary structures, as well as boundary and topographic and photogrammetric surveys. Duties have included hydrologic and hydraulic analysis and design, erosion and sediment control plans, storm water management, field surveying, preparation of construction and as-built drawings, project specifications and preparation of various permit applications.

**Mike Yandrich, PE**, is currently a Project Engineer for the Triad Engineering Utilities Group in the Athens, Ohio office. Mr. Yandrich has participated in review, development, and state and local permitting of a wide variety of projects including water, wastewater, "green" roof, structural, and electrical/renewable energy for various sites throughout Southeast Ohio, Kentucky, and West Virginia. Mr. Yandrich's educational background includes environmental engineering, ecological engineering, civil engineering, wastewater collection and treatment, storm water conveyance, water distribution systems, storm water pollution control, stream restoration, and wetland design and restoration. Mr. Yandrich has managed various construction projects including water, wastewater, structural, and electrical/renewable energy.

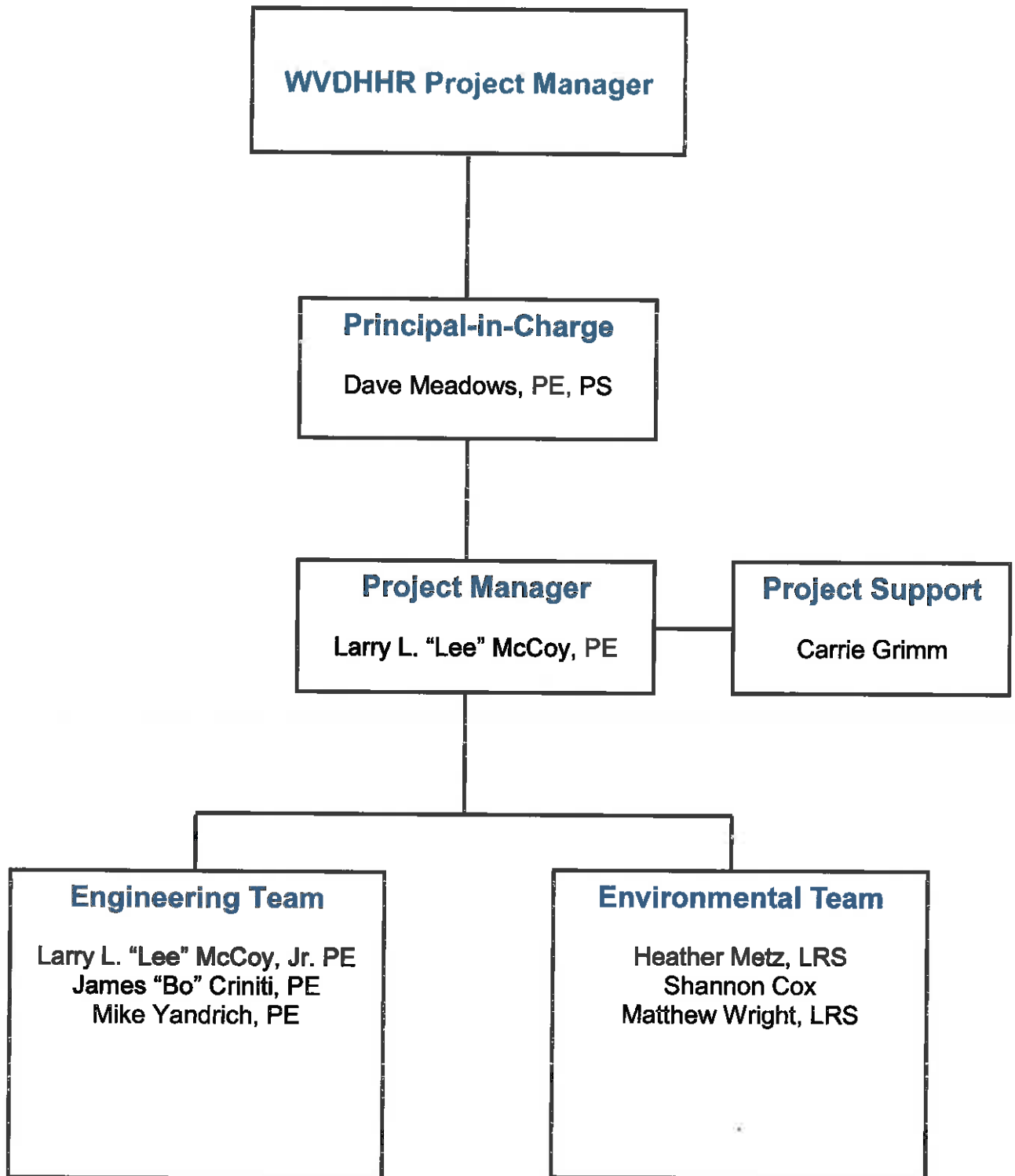
**Carrie Grimm** is the Utilities Project Manager in the Scott Depot, WV office. Ms. Grimm has over 28 years of project management and funding experience. She is responsible for funding acquisition assistance to clients for water and wastewater projects, facilitating communication between Triad's clients and funding agencies, processing and tracking draw down of funds, supporting senior level engineers on impact of project costs to utility charges, preparation of status reports and facilitating and attending community meetings. Ms. Grimm also works with senior level engineers in preparation of asset management plans and utility rate analyses for clients.

**Heather Metz, LRS**, is the Environmental Services Manager and Senior Environmental Scientist at the Scott Depot office of Triad. Ms. Metz is a licensed Remediation Specialist (LRS), responsible for implementation and management of subsurface investigations, multi-media sampling, data analysis, report generation and regulatory compliance activities. Ms. Metz also performs a variety of tasks for sites in the West Virginia Voluntary Remediation Program (VRP). Tasks have included preparation of VRP Applications, Agreements, Sampling and Analysis Plans, extensive site characterization activities, and report preparation. Additionally, Ms. Metz provides contract and project management for the USEPA and WVDEP under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and Brownfields programs.

**Shannon Cox** is currently a Project Environmental Scientist at the Scott Depot office of Triad. Ms. Cox provides regulatory compliance assistance to clients with the preparation of air and water quality permits, under the Clean Air Act, and Spill Prevention, Control and Countermeasure Plans, under the Oil Pollution Prevention Act.

**Matthew Wright, LRS**, is a Project Geologist and Licensed Remediation Specialist with Triad Engineering, Scott Depot, West Virginia office. In this capacity, he is responsible for designing and implementing technical investigations, which include Phase I and II, Brownfields, Voluntary Remediation Program (VRP), Uniform Environmental Covenants Act (UECA), Leaking Underground Storage Tank (LUST), and Superfund environmental site assessments.

### Organizational Chart



**Engineers** – The environmental professionals and engineers who will provide services for this project are registered professionals in West Virginia and are in good standing.

**Professional Liability Insurance** – Triad Engineering, Inc. carries Errors and Omissions Professional Liability Insurance through Architects and Engineers Insurance Company of Winchester, Virginia.

**General Liability Insurance** – Triad Engineering, Inc. also carries General Liability Insurance through Mountain State Insurance Company.

**Experience and Expertise** – We believe that the information under the *Technical Expertise* Tab will clearly show that Triad Engineering, Inc. has extensive experience in similar projects of this nature. After examining the materials provided, we think you will agree that those assigned to this project without a doubt have the expertise necessary to complete this project.

**Capacity to Perform Project Scope** – Triad will not need to subcontract out any portion of this project. We provide a full range of services in house including designing, surveying, drilling and testing, and construction monitoring. As detailed earlier in this proposal, our company currently has a staff of approximately 175 personnel located in seven offices. Your project will be accomplished by the capable staff of the nearby Scott Depot, WV, Office. However, in the unlikely event that the need arises, we can call upon the resources of any of our other six offices.







**EDUCATION**

West Virginia Institute of  
Technology, WV  
BS, Civil Engineering

**PROFESSIONAL EXPERIENCE**

19 Years

**REGISTRATIONS & LICENSES**

- Professional Engineer,  
WV, KY & OH

**PROFESSIONAL AFFILIATIONS**

American Society of Civil  
Engineers  
Society of American Military  
Engineers  
Association of State Flood  
Plain Managers

**SKILLS**

- Civil Engineering
- Transportation  
Engineering
- Site Development
- Planning and Surveying

**HIGHLIGHTS OF EXPERIENCE**

Mr. McCoy is currently the Department Manager for our Civil/Transportation Design Section and a Project Manager for the Scott Depot office of Triad. In this capacity, he is responsible for the oversight of our civil engineering staff as well as the technical and management aspects of civil design and transportation projects within the office. Mr. McCoy has designed and managed projects in numerous disciplines including civil, structural and transportation engineering, site development, planning and surveying. These projects have included streets/highways, bridges, retail/commercial site preparation, airports, parking lots, buildings, retaining walls/foundations, sanitary structures, as well as recreational facilities. Duties included field surveying, drawings and specification preparation, design, design drafting, construction inspection, quality control testing, shop drawing review, project management, contract administration and report preparation.

**RELEVANT PROJECT EXPERIENCE**

**Grantsville Municipal Water SWPP, Grantsville, West Virginia**

As a Project Manager, Mr. McCoy worked closely with Grantsville Municipal Water to develop their Source Water Protection Plan. In this capacity he conducted several public meetings and interviews with property owners, utility and emergency personal, verified potential sources of significant contaminants developed a source water monitoring plan and early warning feasibility study, included a contingency plan with a second source feasibility study, and prepared maps and provided WVDHHR with GIS data of PSSCs.

**Spencer Water Department SWPP, Spencer, West Virginia**

As a Project Manager, Mr. McCoy worked closely with the Spencer Water Department to develop their Source Water Protection Plan. In this capacity he conducted several public meetings and interviews with property owners, utility and emergency personal, verified potential sources of significant contaminants developed a source water monitoring plan and early warning feasibility study, included a contingency plan with a second source feasibility study, and prepared maps and provided WVDHHR with GIS data of PSSCs.

**Walton Public Service District SWPP, Walton, West Virginia**

As a Project Manager, Mr. McCoy worked closely with the Walton Public Service District to develop their Source Water Protection Plan. In this capacity he conducted several public meetings and interviews with property owners, utility and emergency personal, verified potential sources of significant contaminants developed a source water monitoring plan and early warning feasibility study, included a contingency plan with a second source feasibility study, and prepared maps and provided WVDHHR with GIS data of PSSCs.

**Child Development Center Sewer Line Extension, Hanging Rock, Ohio**

As lead engineer on this project, Mr. McCoy is responsible for the initial study to determine the most feasible and cost effective method for upgrading the existing sanitary sewer collection system. Based on the results of the study, the option of extending the line to the City of Ironton, Ohio's Waste Water Treatment Plant was chosen. The project includes several thousand feet of 3 inch diameter force main line, booster stations, and road and creek crossings.

**WVDEP, Division of Abandoned Mine Land & Reclamation, Various Locations**

As Project Manager and Lead Engineer, Mr. McCoy has been responsible for numerous

AML&R designs throughout southern West Virginia. These designs have included grading, drainage, sealing of mine portals (wet & dry), and all aspects related to the closure and reclamation of pre-law mining sites.

#### **Pendleton County Commission, Franklin, WV**

Project Manager and lead designer for a park project near Ruddle, WV. This park includes baseball fields, jousting field, parking facilities, exercise trails, and concession building. Mr. McCoy also managed the preparation of construction documents and aided in the bidding of the project. As Project Manager and Lead Engineer, provided technical supervision and oversight to the civil site design for the construction of this \$300,000 Recreational/ Sport Park. This project included grading, drainage, roadway design, parking lot design, as well as all aspects of designing a large multi-use sports complex. As Project Manager, was also responsible ensuring that the site was able to acquire United States Corps of Engineers Permitting due to sensitive flood plain issues.

#### **Portsmouth High School Athletic Complex, Portsmouth, OH**

Mr. McCoy served as project manager and lead civil engineer for this 35 acre development in downtown Portsmouth Ohio. The project involved the planning, and design and preparation of construction documents for a football stadium, baseball field, softball field, tennis courts, outdoor basketball courts, dedicated running track, open green space, parking areas and an extensive underground storm water detention system to meet the stringent standards of the City of Portsmouth.

#### **Oak Hill High School Baseball and Softball Complex, Oak Hill, OH**

Mr. McCoy served as project manager and lead civil engineer for this 10 acre development on the campus of Oak Hill High School in Oak Hill, Ohio. The project involved the planning, and design and preparation of construction documents for a baseball field, softball field, tennis open green space, parking areas and an extensive underground storm water detention system, synthetic turf baseball infield, and irrigation for both facilities.

#### **Boone County Sports Complex, Julian, WV**

Boone County Parks and Recreation (BCPR) wanted to expand the activities at their existing 130 acre park site near Julian West Virginia. The park is home of the Waterway, a swimming and water slide facility. BCPR enlisted the help of Triad Engineering to expand the facility and to provide other recreational opportunities for the community. The only available land for the expansion was in the Little Coal River flood plain. The development of this area required a flood study. Triad studied the flood prone area and determined that the development would not affect the flood plain or any downstream communities. Mr. McCoy served as project manager and lead civil engineer for this project.

#### **Logan Embankment Failure Repair, Logan, WV**

As Project manager and Lead Civil Designer, Mr. McCoy prepared construction documents for the repair of 4 landslides within the City of Logan. Project coordination was with the city and FEMA as the slides were attributed to local storm runoff. These landslides posed both access issues as well as safety issues to residents. The slides were encroaching on a structure in one case, access to the McCoy-Hatfield recreational trail, and were encroaching on city streets rendering them dangerously narrow with nearly vertical drop offs. Repairs varied from drilled pile walls to soil nailing. The repairs were designed to stabilize the slides and restore city streets to pre-slide conditions.

#### **Cameo Road Relocation**

Mr. McCoy provided full civil engineering services including road way design for this project. The project consisted of the relocation of approximately 2,500 lf. of County Rt. 9 (Cameo Road) in Boone County. The purpose of the relocation was to facilitate the construction of a haul road for the Hobet No. 7 Coal Mine. TRIAD worked with a project team consisting of the West Virginia Division of Highways (WVDOH) and the Owner, to develop a complete comprehensive set of construction drawings. Roadway features included both stone and asphalt road sections, and berms, ditches and pipe culverts for roadway drainage features.

#### **Sycamore Street Extension**

Mr. McCoy designed the extension of Sycamore Street to provide a connecting street for the client. The design was complicated by the presence of design and construction activities on two adjacent sites. Triad provided engineering consultation including soils evaluation, generation of construction drawings, specifications, and bid documents for submission to the Village. Triad also assisted in the evaluation of bids, processed pay requests, and preformed several site visits during construction.

#### **American Church Bridge Replacement, Delbarton, WV**

Project Manager and lead roadway designer for the replacement of the American Church Bridge in Delbarton and related roadway work in Mingo County, WV. This project included managing structural engineers, geotechnical engineers,

surveyors, other roadway engineers, and designers. Design work for this project included drainage, HEC-RAS analysis, roadway design, and right of way design.

**Corridor H, U.S. 48 – Scherr, WV**

Project Manager and lead roadway designer for 2.25 miles of 4 lane divided highway in Grant County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Worked closely with West Virginia Department of Transportation personnel as well as local residents during the highways design through the environmentally sensitive Greenland Gap area.

**Appalachian Power: Lakeview Substation, Cross Lanes, WV**

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a electric substation in Cross Lanes, WV. This project includes grading, drainage, and a reinforced embankment at a 1:1 slope.

**Appalachian Power: North Proctorville Substation, Proctorville, OH**

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a electric substation in Cross Lanes, WV. This project includes grading, drainage and utilities. Also involved was a hydraulic and hydrologic study involving a nearby stream.

**Bayer CropScience, Institute, WV**

As Project Manager and Lead Civil Designer, Mr. McCoy prepared construction documents for the expansion for Bayer CropScience's Hazardous Waste Landfill in Institute, WV. The project included grading, drainage and the design of landfill liner and closure features including both earthen and synthetic liners and drainage features.

**Federal Express Ground Distribution Center, Cross Lanes, WV**

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the development and construction of a 10 acre site to accommodate a distribution center and associated parking and access drives. This project included grading, drainage, detention, roadway expansion, parking lot design, utility design including water and sanitary sewer, water quality design as well as many other aspects.

**Commerce Park, Huntington, WV**

As Project Manager and Lead Engineer, Mr. McCoy, is responsible for the project design and construction administrative services for a large use development located in Huntington, WV. This development consists of affordable housing apartments, flex space warehousing and office space. This project includes grading, drainage, stormwater management, permitting, parking lot design, as well as many other aspects.

**Amazon Call Center, Huntington, WV**

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a 70,000 square foot call center with 9 acres of parking in Huntington, WV. This facility houses over 800 customer service employees. This project includes grading, drainage, detention, roadway expansion, parking lot design, utility design including water and sanitary sewer, water quality design as well as many other aspects.

**King's Daughters Medical Center, Various Locations in Kentucky and Ohio**

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of numerous medical office buildings throughout Ohio and Kentucky. These projects include grading, drainage, detention, roadway expansion, parking lot design, utilities as well as many other aspects. Following is a list of more specific project locations:

- Ashland, KY
- Prestonburg, KY
- Ironton, OH
- Portsmouth, OH
- Minford, OH

**Sheetz Store, Eisenhower Drive, Beckley, WV**

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a gas station/convenience store in Beckley, WV. This project includes grading, drainage, detention, roadway expansion, parking lot design, water quality design as well as many other aspects.

**Devonshire Development, Scott Depot, WV**

As Project Manager and Lead Engineer, Mr. McCoy, is responsible for the project design and construction administrative

services for a large resort style mix use residential development located in Scott Depot, WV. This development consists of apartments, townhouses and condominiums, state-of-the-art 6500 sq. ft. clubhouse as well as swimming pools, Jacuzzis, sport courts, tot lots, and dog exercise areas. This project includes grading, drainage, permitting, parking lot design, as well as many other aspects. Mr. McCoy is also responsible for all sanitary sewer collection and water system distribution design for the development.

**Devonshire Development, Scott Depot, WV**

As Project Manager and Lead Engineer, Mr. McCoy, is responsible for the project design and construction administrative services for a large resort style mix use residential development located in Scott Depot, WV. This development consists of apartments, townhouses and condominiums, state-of-the-art 6500 sq. ft. clubhouse as well as swimming pools, Jacuzzis, sport courts, tot lots, and dog exercise areas. This project includes grading, drainage, permitting, parking lot design, as well as many other aspects.



#### EDUCATION

*West Virginia University, WV*  
BA, Chemistry

*West Virginia Institute of  
Technology, WV*  
BS, Civil Engineering

#### PROFESSIONAL EXPERIENCE

7 Years

#### REGISTRATIONS & LICENSES

- Professional Engineer,  
WV

#### SKILLS

- Civil Engineering
- Hydrologic and Hydraulic  
Analysis and Design
- Erosion and Sediment  
Control Plans
- Stormwater Management

### HIGHLIGHTS OF EXPERIENCE

Mr. Criniti is currently a Project Engineer and is responsible for civil and surveying projects. He has participated in the design and management of numerous projects. These projects have included retail/commercial site preparation, airports, parking lots, buildings, retaining walls, foundations, sanitary structures, as well as boundary and topographic and photogrammetric surveys. Duties have included hydrologic and hydraulic analysis and design, erosion and sediment control plans, storm water management, field surveying, preparation of construction and as-built drawings, project specifications and preparation of various permit applications. Mr. Criniti also performs construction management, construction inspection, quality control testing, shop drawing review, project management, contract administration, and report preparation. He performs engineering calculations, studies, plans, reports and data analysis. Mr. Criniti assists in the coordinating of construction projects including conducting pre-bid, pre-construction and progress meetings, schedule review and pay request review and approval. He also assists in conducting interim and final inspections of construction projects to determine compliance with applicable laws, regulations, and specifications.

### RELEVANT PROJECT EXPERIENCE

#### **Grantsville Municipal Water SWPP, Grantsville, West Virginia**

As a Project Engineer, Mr. Criniti worked closely with Grantsville Municipal Water to develop their Source Water Protection Plan. In this capacity he conducted several public meetings and interviews with property owners, utility and emergency personal, verified potential sources of significant contaminants developed a source water monitoring plan and early warning feasibility study, included a contingency plan with a second source feasibility study, and prepared maps and provided WVDHHR with GIS data of PSSCs.

#### **Spencer Water Department SWPP, Spencer, West Virginia**

As a Project Engineer, Mr. Criniti worked closely with the Spencer Water Department to develop their Source Water Protection Plan. In this capacity he conducted several public meetings and interviews with property owners, utility and emergency personal, verified potential sources of significant contaminants developed a source water monitoring plan and early warning feasibility study, included a contingency plan with a second source feasibility study, and prepared maps and provided WVDHHR with GIS data of PSSCs.

#### **Walton Public Service District SWPP, Walton, West Virginia**

As a Project Engineer, Mr. Criniti worked closely with the Walton Public Service District to develop their Source Water Protection Plan. In this capacity he conducted several public meetings and interviews with property owners, utility and emergency personal, verified potential sources of significant contaminants developed a source water monitoring plan and early warning feasibility study, included a contingency plan with a second source feasibility study, and prepared maps and provided WVDHHR with GIS data of PSSCs.

#### **Washington Nile, Clay Local School District and Portsmouth Athletic Complex, Various Locations in Ohio**

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for these projects. In this capacity he has to coordinate with the project architect, local municipalities, the ODOT and the project developer. Work on these projects included, utility routing, storm drainage design, storm water management design

and preparation of ODOT encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti is also responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

#### **Tolsia Athletic Fields, Fort Gay, West Virginia**

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on this project included, utility routing, storm drainage design, storm water management design and preparation of WVDOH encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti was responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

#### **Oak Hill High School Baseball and Softball Complex, Oak Hill, Ohio**

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. In this capacity he has to coordinate with the project architect, local municipalities, state regulatory agencies and the project developer. The

project involved the planning, and design and preparation of construction documents for a baseball field, softball field, tennis open green space, parking areas and an extensive underground storm water detention system, synthetic turf baseball infield, and irrigation for both facilities.

#### **City National Bank – Construction Administration Services, WV**

This project consists of a state wide contract to provide construction administration services for City National Bank on bank loans for commercial construction projects. On this project Mr. Criniti is responsible for performing periodic job site inspections of work progress, reviewing contractor pay requests, monitoring project schedules as they pertain to percent completion and pay requests, and conducting periodic progress meetings.

#### **King's Daughters Medical Center – Various Locations in Kentucky and Ohio**

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design for this project. Mr. Criniti assisted the projected manager in the preparation of construction documents for the construction of numerous medical office buildings throughout Ohio and Kentucky. These projects include grading, drainage, detention, roadway expansion, parking lot design, utilities as well as many other aspects.

#### **BB&T Facility, Beckley, WV**

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this branch bank facility. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on this project included, utility routing, storm drainage design, storm water management design and preparation of WVDOH encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti is also responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

#### **FedEx Ground Expansion, Nitro, WV**

This project consisted of providing site design and construction documents for the expansion of the FedEx Ground Building in Nitro, West Virginia. As a Staff Engineer, Mr. Criniti worked with a project team to provide construction documents including existing conditions, demolition plan, proposed site plan, layout plan, grading and drainage plan, erosion and sediment control plan and associated details.

#### **Devonshire Housing Development, Scott Depot, WV**

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for site development design and permitting for various portions of this large residential development. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on these projects includes building pad positioning and elevation, access road layout including grading design, parking lot layout, utility routing, storm drainage feature layout and design. Permitting work on these projects includes WVDOH encroachment permitting, health department permitting and NPDES permitting for handling surface water during construction. Mr. Criniti is also responsible for attending and conducting project meetings with the project contractor, the developer and associated agency.



#### EDUCATION

Ohio State University, OH  
BS, MS, Civil Engineering

#### PROFESSIONAL EXPERIENCE

19 Years

#### REGISTRATIONS & LICENSES

- Registered Professional Engineer, OH & WV

#### SKILLS

- Stormwater Conveyance
- Wastewater Treatment
- Water Distribution Systems
- Stormwater Pollution Control

## HIGHLIGHTS OF EXPERIENCE

Mr. Yandrich is currently a Project Engineer for the Triad Engineering Utilities Group in the Athens, Ohio office. Mr. Yandrich has participated in review, development, and state and local permitting of a wide variety of projects including water, wastewater, "green" roof, structural, and electrical/renewable energy for various sites throughout Southeast Ohio, Kentucky, and West Virginia. Mr. Yandrich's educational background includes environmental engineering, ecological engineering, civil engineering, wastewater collection and treatment, storm water conveyance, water distribution systems, storm water pollution control, stream restoration, and wetland design and restoration. Mr. Yandrich has managed various construction projects including water, wastewater, structural, and electrical/renewable energy. His duties include project scheduling, coordination, budget management, client interaction, and project team coordination. In addition to the above mentioned activities, Mr. Yandrich also prepares proposals and estimates on larger, long term projects. Mr. Yandrich's duties have included hydrologic and hydraulic analysis and design, storm water management, drawing and specification preparation, construction inspection, shop drawing review, permitting, and report preparation and review. Mr. Yandrich completes engineering calculations, studies, plans, reports, and data analysis. Mr. Yandrich coordinates construction projects and conducts interim and final inspections of construction projects to determine compliance with applicable laws, regulations, and specifications.

## RELEVANT PROJECT EXPERIENCE

### Village of Holloway, OH Water System Improvements

This project involves the construction for replacing the entire water distribution system, all fire hydrants, and the bulk water station; rehabilitating the water treatment plant, providing telemetry for the water storage tank and an emergency generator.

### Town of Mason, WV Water System Improvements – Phase II

This project involves the construction for replacing the remainder of the Town's old, undersized Asbestos Cement Pipe water distribution system, north of WV Highway 62. It also consists of rehabilitating the existing water storage tank, wells and pump houses, as well as providing telemetry for the water system.

### Meigs County Commissioners – Rutland, OH Wastewater Rehabilitation

This project consists of the replacement of the existing low pressure system with individual septic tank effluent pumping (STEP) systems to increase the capacity and efficiency of the system, decrease operation & maintenance costs, and allow for system expansions. The project also includes the upgrade of the wastewater treatment plant by making necessary repairs, replacing old equipment, and making other miscellaneous improvements. Mr. Yandrich was responsible for writing the Village's preliminary engineering report to enable funding acquisition.

### Village of Racine, OH Water System Improvements - Phase II

This project consists of the construction for replacing the remainder of the old, undersized lines; replacing touch-read meters with radio-read meters; replacing all the fire hydrants to provide adequate fire protection; cleaning & inspecting the water storage tank; replacing the bulk water station; and making various improvements to the water treatment plant, including upgrading the SCADA system. The project also consists of the cleaning and redevelopment of the existing wells, rehabilitating the wells by adding heat trace system with insulation,

and abandoning one of the wells & replacing it with a new one. An interconnection will also be provided with the Tupper Plains – Chester Water District.

#### **Town of Belle, WV Wastewater Treatment Plant Replacement**

This project consists of the replacement of the wastewater treatment plant with a steel-tank package treatment plant; a new headworks structure with an automatic bar screen and grit unit; conversion of the existing concrete aeration tanks to equalization basins and emergency storage; purchase & installation of an emergency generator; construction of a new garage/blower building; and rehabilitation of the main pump station at the wastewater treatment plant. Mr. Yandrich was responsible for revising the Town's preliminary engineering report, as well as the plans and specifications to enable funding acquisition.

#### **Village of Woodsfield, OH Water System Improvements**

This project includes the design and specification for retrofitting an existing lime-settling basin with automatic scrapers for labor reduction, the design of a booster station to enable sales of potable water to a neighboring water system through an existing water main, and the replacement and extension of an existing 2" water line with a 6" line to provide improved service and fire protection to residents. Mr. Yandrich was also responsible for writing the Village's preliminary engineering report to enable funding acquisition.

#### **Village of Jewett, OH Water System improvements**

This project consisted of the design and specification of equipment for the ultimate replacement of the Village's aging water treatment plant, entire distribution system, and water storage tanks. The project also entails the construction of a new source water well. Mr. Yandrich was also responsible for writing the Village's preliminary engineering report.

#### **Village of Amesville, OH Water System Improvements**

This project involves the construction of a new water treatment facility and a new water storage tank in order to replace the existing 55-year old facility. Mr. Yandrich is responsible for writing the preliminary engineering report, as well as for the design and specification of equipment to effectively treat the existing source of ground water. A new tank will replace the aging water storage tank. Mr. Yandrich is also responsible for the design of a new access road, structure to house the new treatment system, small wastewater treatment facility, a new source water well, and overall treatment system security.

#### **City of Toronto, OH Water System Improvements**

This project consisted of extensive replacement of aging cast-iron waterline in multiple areas of the City, as well as the construction of a new loop to improve water pressure and to serve an existing industrial facility. Mr. Yandrich was responsible for construction management and post-construction activities, including contractor payment, day-to-day reviews of construction progress, monthly progress meetings, and construction drawing updates and modifications.

#### **Town of Mason, WV Wastewater Treatment Plant Upgrades**

This project consisted of the design and specification of an extended aeration plant rebuild, including headworks, primary aeration, and clarifiers. The project also consisted of the design of a new lift station and force main, and collection system improvements for inflow and infiltration reduction. Mr. Yandrich was also responsible for the specification of a new maintenance garage at the facility.

For each of the following projects, Mr. Yandrich was responsible for permit application review, detailed plan and specifications review, hydraulic and capacity calculations, design review and recommendation, and permit recommendation and issuance. Mr. Yandrich also performed site evaluations and inspections to ensure compliance with all applicable rules and regulations.

#### **Mason County E Corp, Meigs County, Ohio**

Temporary holding tank and wetland-based wastewater treatment system.

#### **DLD One, LLC, Jefferson County, Ohio**

Sanitary sewer extension for a new Wall Mart Center.

**Various on-site systems including: Holiness Church Center, Clearview Primitives, Liberty Life Church, Gheen Equipment Rental, Guernsey County Sportsman for Conservation Club, North Star Metals, Porter Freewill Baptist Church, Stark Truss Company, Guernsey County Deputies F.O.P., Latham Limestone, Ludlow Township/Little**



**Muskingum Development Corp., Apex Environmental LLC, Larry Mitchel Trucking Garage, McQuinn LTD, Valley Hospice, DESCO Federal Credit Union, Multiple Counties, Southeast Ohio**

These on-site systems included low pressure, mound, traditional leach, and holding tanks.

**Norfolk Southern Railway Company, Scioto County, Ohio**

This project consisted of modifying one primary settling pond into two parallel ponds with concrete bottom for easy cleaning. Mr. Yandrich reviewed all environmental permitting applications, detailed plans, and performed hydraulics calculations in order to determine project effectiveness.

**Apex Sanitary Landfill, Jefferson County, Ohio**

The project utilized a proprietary "SCAT" system and low pressure distribution to serve a new office building at a landfill.

**Village of Wintersville, Jefferson County, Ohio**

Sanitary sewer replacement at the Beechwood Area/Rt43 Floyd Easement area.

**Barbers Hollow WWTP, Jefferson County, Ohio**

The project consisted of new Influent screens for the Barber's Hollow WWTP.

**Jefferson County Joint Vocational School, Jefferson County, Ohio**

Sanitary sewer extension to the Jefferson County "M".

**Wheelersburg Local School District, Scioto County, Ohio**

Sanitary sewer extension for a new K-12 School

**M & J Industries, LLC, Scioto County, Ohio**

A new grinder pump station with a discharge to the Southern Ohio Correctional POTW

**City of Portsmouth Lawson Run WWTP, Scioto County, Ohio**

Conversion of the plant's old anaerobic sludge digestion system to ATTAD process.

**GENPRO, LLC (Mission Pointe Sub), Jefferson County, Ohio**

Sanitary sewer extension for new condominiums to the existing city of Steubenville wastewater collection system.



**EDUCATION**

West Virginia University, WV  
*B.A. Business Administration*

West Virginia State University,  
WV  
*Associate Degree,  
Mathematics*

**PROFESSIONAL EXPERIENCE**  
28 Years

**SKILLS**

- Funding Assistance
- Facilitates between Client and Funding Agency
- Business Development & Marketing

**HIGHLIGHTS OF EXPERIENCE**

Ms. Grimm is the Utilities Project Manager in the Scott Depot, WV office. Ms. Grimm has over 28 years of project management and funding experience. She is responsible for funding acquisition assistance to clients for water and wastewater projects, facilitating communication between Triad's clients and funding agencies, processing and tracking draw down of funds, supporting senior level engineers on impact of project costs to utility charges, preparation of status reports and facilitating and attending community meetings. Ms. Grimm also works with senior level engineers in preparation of asset management plans and utility rate analyses for clients.

**RELEVANT PROJECT EXPERIENCE**

At Triad, Ms. Grimm is responsible for assisting clients in securing funding packages for water and wastewater projects; facilitating communication between clients and funding and regulatory agencies; processing and tracking payment requests; preparing status reports; facilitating and attending community meetings; and assisting clients and lawyers in preparation of easements and user agreements.

Ms. Grimm assists engineering staff by reviewing contractor's pay request and making recommendation for approval; coordinating and distributing bid documents, addenda, and plan-holders lists; and by providing non-technical quality control. She also assists technical staff in preparing various documents, including but not limited to: permit applications; contract documents; project schedules; project budgets; bid tabulations; meeting agendas; change orders; asset management plans; operation and maintenance manuals; and manhole inspection, smoke testing, and infiltration and inflow reports.

**Village of Amesvile, OH – Water System Improvements**

**Arbuckle Public Service District, Minden, WV – Wastewater Collection System I/I Rehabilitation and Extension**

**Arbuckle Public Service District, Minden, WV – Emergency WWTP Oxidation Ditch Rehabilitation**

**Town of Belle, WV – Wastewater Treatment Plant Replacement**

**Village of Cadiz, OH – Wastewater System Inflow/Infiltration Study**

**Town of Camden-on-Gauley, WV – Water System Improvements**

**Denver Water Association, Tunnelton, WV – Water System Improvements**

**Green Valley Glenwood PSD, Bluefield, WV – Water System Improvements**

**Town of Hartford, WV – Water System Improvements**

**Village of Holloway, OH – Water System Improvements**

**Village of Jewett, OH – Water System improvements**

**Town of Mason, WV – Water System Improvements – Phase II**

**Town of Mason, WV – Wastewater Treatment Plant Upgrades**

**Meigs County Commissioners, Pomeroy, OH – Rutland Wastewater System Improvements**

**Town of New Haven, WV – Water System Improvements**

**Town of Pratt, WV – Wastewater System Improvements**

**Sissonville PSD, Sissonville, WV – Wastewater System Improvements**

**Syracuse Racine Regional Sewer District, Racine, OH – Wastewater System Improvements**

**Village of Racine, OH – Water System Improvements - Phase II**

**Salt Rock Public Service District, Barboursville, WV – Water System Extension**

**Village of Woodsfield, OH – Water System Improvements**

**West Virginia Department of Environmental Protection – Charleston, WV**

Ms. Grimm worked for 26 years as a project manager and Community Development Specialist II with the WV Department of Environmental Protection (WVDEP) Clean Water State Revolving Fund Program. In this capacity, she reviewed grant/loan applications for compliance, cost and accuracy in such areas as financial documentation, public notification, civil rights, engineering contract review, professional contract review, federal and state compliance, etc. She also provided recommendations for grant/loan applications with highest need priority. Other responsibilities in this position consisted of the review of supporting invoices and recommendations for monthly payment reimbursement requests, allowable project extension approvals and final payment and closure of loan reimbursements. She monitored monthly contracts for the local administration of state and federal grants/loans to assure funds were properly spent and appropriate records maintained. She was also responsible for preparing monthly project progress reports. She investigated infrastructure development needs through meetings with state, regional and local governmental officials, community leaders, and private sector parties. She provided local officials and contractor's guidelines in establishing files, financial records systems, record keeping and retention, purchasing procedures, audit requirements and reporting requirements, both federal and state related. She also participated in local workshops and meetings to advise local officials and other interested parties of programs and educated officials in grant/loan application procedures and grant/loan administration.



**EDUCATION**

Marshall University, WV  
BS, Environmental Science

**PROFESSIONAL EXPERIENCE**

15 Years

**REGISTRATIONS & LICENSES**

- Licensed Remediation Specialist, No. [REDACTED] West Virginia
- Monitoring Well Driller Certification, No. WV00400, West Virginia
- OSHA HAZWOPER 40 Hour Training/8 Hour Update (current)
- OSHA 8 Hour Supervisor Certification

**SKILLS**

- Due Diligence
- CERCLA
- Hazard Ranking System (HRS) Environmental Assessments
- Permitting

**HIGHLIGHTS OF EXPERIENCE**

Ms. Metz is currently the Environmental Services Manager and Senior Environmental Scientist at the Scott Depot office of Triad. Ms. Metz is responsible for the personnel management of the Environmental Services Group as well as the technical quality and management control of all Environmental projects in the southwest region. Additionally, Ms. Metz is a Licensed Remediation Specialist (LRS) and performs a variety of tasks for sites in the West Virginia Voluntary Remediation Program (VRP).

**RELEVANT PROJECT EXPERIENCE**

**West Virginia Brownfields Assistance Center, Huntington, WV**

As Program Manager, implemented the WVDEP Statewide Petroleum Brownfield Assessment grant program. Tasks include acting as liaison between the Brownfields Assistance Center, WVDEP and the USEPA, conducting Phase I ESAs, preparing site assessment work plans, conducting Phase II ESAs, preparing reports, monitoring budgets, and managing field activities.

**City of Huntington, Huntington, WV**

As Project Manager, implementing the City of Huntington Hazardous Brownfields Assessment Grant program. Tasks include completing an inventory of candidate sites, preparing site assessment work plans, acting as liaison between The City and USEPA, conducting Phase I ESAs, conducting Phase II ESAs, preparing reports, reporting status to The City and USEPA, monitoring budgets, managing field activities, and managing community outreach efforts.

**Fayette County Commission, Fayetteville, WV**

As Project Manager, implemented the County-Wide Hazardous Brownfields Assessment Grant program. Performed oversight for Phase I ESAs and asbestos inspections at 50 properties located throughout the County. Negotiated right of access agreements, monitored budgets and managed field activities.

**Huntington Alloys Corporation, Huntington, WV**

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

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

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

**NIsource Corporate Services Company, Various Locations, Eastern KY**

As Environmental Scientist, prepared Remediation Completion Reports for the Kentucky Department of Environmental Protection for the characterization and remediation activities performed at 141 former mercury measuring stations located in southeastern Kentucky.

Responsibilities included interpretation of field and laboratory data, nonhazardous and hazardous waste disposal manifests, and reporting activities.

**Rahall Transportation Property, Huntington, WV**

As Project Manager and Environmental Scientist, performed various site characterization and remediation tasks utilizing WVDEP Brownfield grant funding. The site was historically operated as a railroad right of way maintenance facility and was the location of a 22,000 gallon coal tar light oil spill. Responsibilities included regulatory file reviews, sampling and analysis plan preparation, multi-media sampling, excavation oversight, and report preparation.

**Strait's Cleaners & Coin Laundry, Charleston, WV**

As Project Manager and Environmental Scientist, performed a Phase I ESA, Phase II ESA, and various tasks under the WV VRP at the former dry cleaner and laundromat facility. Tasks included preparation of the VRP Application, VRP Agreement, Sampling and Analysis Plan, subsurface investigation, multi-media sampling, source removal, and final report preparation. Based on the WV VRP re-opener prepared an area wide groundwater use restriction.

**Turnpike Ford, Huntington, WV**

As Project Manager and Environmental Scientist, performed site characterization activities under the LUST program. In addition to the Phase I ESA, performed direct-push subsurface investigations, multi-media sampling, analytical data evaluation and interpretation, reporting, and LNAPL recovery.

**West Virginia Department of Environmental Protection, Multiple Locations, WV**

As Program Manager, responsible for performing various assessment tasks at USEPA Superfund sites in West Virginia. Tasks have included performing Preliminary Assessments, Site Inspections, Combined Preliminary Assessment/Site Inspections, Expanded Site Inspection, and Site Inspection Reassessments under CERCLA. Specific tasks have included performing regulatory file reviews, site reconnaissance's, Hazard Ranking System (HRS) site scoring using USEPA software, USEPA Contract Laboratory Program (CLP) data management using USEPA software, providing electronic laboratory data deliverables for the WVDEP in EQUiS® data management format, Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) generation, field sampling, and report preparation. These tanks have been performed at over 50 Superfund sites throughout West Virginia.

**West Virginia Department of Environmental Protection, Charleston, WV**

As Program Manager, implemented the WVDEP Statewide Hazardous Brownfield Assessment Grant program. Tasks include preparing site assessment work plans, acting as liaison between WVDEP and USEPA, conducting Phase I ESAs, conducting Phase II ESAs, preparing reports, reporting status to WVDEP and USEPA, monitoring budgets, managing field activities, and managing community outreach.

**West Virginia Division of Highways, Multiple Locations, WV**

As Program Manager and LRS, responsible for field activities and report preparation for WVDOH properties in the LUST, WV VRP, and UECA programs of WVDEP. Site characterization tasks have include subsurface investigations to determine the extent of contamination, multi-media sampling, groundwater monitoring well and recovery well installation. Prepares and/or provides oversight during data evaluation, prepares remedial action work plans and final reports. Responsible for project personnel selection, overall project and technical quality, budget and schedule management.



**EDUCATION**

Marshall University, West Virginia  
BS, Environmental Science

**PROFESSIONAL EXPERIENCE**

15 Years

**REGISTRATIONS & LICENSES**

- OSHA HAZWOPER 40 Hour Training
- OSHA 8 Hour Supervisor Certification
- WV Monitoring Well Driller Certification
- 38 Hour United States Army Corps of Engineers Wetland Delineation Training

**SKILLS**

- Regulatory Compliance Assistance
- Geoprobe® Investigations
- USEPA Superfund Sites

**HIGHLIGHTS OF EXPERIENCE**

Ms. Cox is currently a Senior Environmental Scientist at the St. Albans office of Triad. In this capacity, she has assisted the WVDEP, OER by performing site assessment tasks at various USEPA Superfund (CERCLA) sites in West Virginia, including performing Site Inspections (SI), performing file reviews, site reconnaissance, and preparing various technical reports. Ms. Cox has also performed numerous Phase I and Phase II environmental site assessments (ESA) at commercial and industrial properties. These tasks include performing Geoprobe® investigations, subsurface soil and groundwater sampling, analyzing data, and generating technical reports. Ms. Cox has also assisted on West Virginia Voluntary Remediation Program (VRP) Sites by assisting in preparing reports and interpreting data. In addition, Ms. Cox provides regulatory compliance assistance to clients with the preparation of air and water quality permits, under the Clean Air Act, and Spill Prevention, Control and Countermeasure Plans, under the Oil Pollution Prevention Act.

**RELEVANT PROJECT EXPERIENCE**

**Alcon Manufacturing, Ltd., Huntington, WV**

As Environmental Scientist, provided water and waste management regulatory support to onsite and corporate environmental, health, and safety staff. Assisted the Project Manager in the design and implemented a water use survey and waste flow characterization study, the results of which will be used to make modifications to Alcon's existing National Pollutant Discharge Elimination System (NPDES) permit. Further, the information collected was used to analyze process and sanitary wastewater treatment needs as the plant continues to expand. Also, conduct monthly outfall sampling as required by the NPDES permit and prepare the monthly Discharge Monitoring Reports.

**Alcon Laboratories, Inc., Huntington, WV**

As a Field Scientist, assisted in performing a Phase II environmental site assessment (ESA) subsurface soil and groundwater investigations at an operating facility to assess the extent of any contamination to assist the user in making informed business decisions regarding the property.

**Caraline Energy Company, Inc., Spencer, WV**

As an Environmental Scientist, performed a community noise assessment for an area located in the vicinity of a compressor station. Tasks included collecting sound measurements in the field using sound level meters, evaluating the data, and preparing a report summarizing the results of the study.

**Charleston Area Medical Center, Charleston, WV**

As an Environmental Scientist, prepared Regulation 13 Construction Permits for each of the three divisions and a Title V Operating Permit for their hospital/medical/infectious waste incinerator. Tasks also included compliance reporting and sampling according to permit requirements.

**Chesapeake Energy, Hindman, KY**

As an Environmental Scientist, performed a noise assessment for an area in the vicinity of the a compressor station. Tasks included collecting sound measurements in the field using sound level meters, evaluating the data, and preparing graphical reports summarizing the results of the study.

**EQT Corporation, KY, PA, VA, WV, and OH**

As an Environmental Scientist, prepared numerous SPCC plans for natural gas production wells and compressor stations located throughout Kentucky, Pennsylvania, Virginia, and West Virginia. Tasks include Quality Control Review of field data provided by others, entering the field data into an ACCESS database, gathering data from compressor stations, and preparing the reports for review by the P.E.

**CSX Real Property, Inc., Benwood, WV**

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

**CSX Real Property, Inc., Columbus, OH**

As a Field Environmental Scientist, performed site characterization investigations to investigate potential migration of contamination onto a rail yard from an adjoining operating metal recycling facility. The investigations were performed to comply with the guidelines of the Ohio Voluntary Assistance Program (VAP). Investigations consisted of the collection of surface and subsurface soil, and groundwater samples using the Geoprobe® direct-push technology, and collection of surface waste and sediment samples from a wetland area.

**Hard Rock Exploration, Inc., Various Locations, WV**

As an Environmental Scientist, prepared natural gas general permits G30-D and G35-A for several compressor stations located throughout WV.

**Hibner & Associates, Inc., Huntington, WV**

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



**EDUCATION**

Morehead State, KY  
BS, Geology

**PROFESSIONAL EXPERIENCE**

25 Years

**REGISTRATIONS & LICENSES**

- Licensed Remediation Specialist, No. [REDACTED]
- Monitoring Well Driller Certification, No. [REDACTED] West Virginia
- Monitoring Well Driller Certification, No. [REDACTED] Kentucky
- OSHA HAZWOPER 40 Hour Training
- OSHA HAZWOPER 8 Hour Update (Current)
- West Virginia UST Worker Class B
- West Virginia UST Class A/B Operator Training

**SKILLS**

- Designing and Implementing Technical Investigations
- Underground Storage Tanks
- Installation Direct Push Technology
- Sampling and Analysis Plans

**HIGHLIGHTS OF EXPERIENCE**

Mr. Wright is currently a Project Geologist-Licensed Remediation Specialist with Triad's Scott Depot, West Virginia office. In this capacity, he is responsible for designing and implementing technical investigations, which include Phase I and II, Brownfields, Voluntary Remediation Program (VRP), Uniform Environmental Covenants Act (UECA), Leaking Underground Storage Tank (LUST), and Superfund environmental site assessments. Assessment activities include installation of direct-push technology and auger drill rig borings and monitoring wells, as well as collection of soil, groundwater, soil vapor, surface water, and sediment samples. In addition, Mr. Wright develops sampling and analysis plans, evaluates environmental data, and prepares reports and documents.

**RELEVANT PROJECT EXPERIENCE**

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

As Project Manager, supervised underground storage tank (UST) system removals and closure activities at 10-20 sites. Removed and cleaned USTs at each site. Excavated and disposed of any contaminated soils and completed site restoration activities. Installed groundwater monitoring wells, collected soil and groundwater samples and prepared site assessment reports.

**American Electric Power, Cabin Creek Substation, WV**

As Project Geologist, performed quarterly sampling of groundwater monitoring wells as part of the ongoing remediation of the property. As the LRS, prepared the LUST/UECA Application, Agreement and Sampling and Analysis Plan.

**British Petroleum, Lima, OH**

As Project Geologist, installed vapor monitoring wells at a hazardous waste landfill.

**Columbia Gas Transmission Corp., Various States**

Project Manager on a natural gas transmission project that characterized and remediated several sites contaminated by PCBs, and/or pipeline liquids. Also served as field activities coordinator and characterization team member. Additional duties included client relations, field cost accounting, field equipment/supplies management, site health and safety and QA/QC of final reports. As a direct push technology rig operator, collected soil and groundwater samples during performance of environmental site assessments at compressor stations, production facilities, and decommissioned facilities.

**Chesapeake Energy Corporation, Egan, TN**

As a project Geologist, provided oversight for oil recovery from a ruptured oil well pipeline. Supervised installation of underflow dams, oil recovery and placement of absorbent materials.

**Chevron USA, Inc., KY and WV**

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



**CSX Real Property, Inc., Wheeling, WV**

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

**Dominion Transmission, Inc., Hastings, WV**

As a LRS, prepared the VRP Application and Sampling and Analysis Plan. Conducted the site assessment which included monitoring well installation, soil, groundwater, sediment and surface water sampling. Prepared the Site Characterization Report. As a project Geologist, collected groundwater samples for quarterly monitoring. Provided oversight for LNAPL recovery.

**Dominion Transmission, Inc., Weston, WV**

As a project Geologist, provided oversight for LNAPL recovery. Installed LNAPL recovery trenches.

**Dow Chemical Corporation, Charleston, WV**

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

**GE Aircraft Engines, Cincinnati, OH**

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

**Kentucky Department of Environmental Protection, Various Facilities, KY**

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

**Super America/Speedway, Inc., Various States**

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

**West Virginia Division of Highways, Mineral Wells, WV**

As a LRS, prepared the LUST/UECA Application, Agreement and Sampling and Analysis Plan. Conducted the site assessment which included monitoring well installation, soil, groundwater, sediment and soil vapor sampling. Prepared the Site Characterization Report. Conducted oversight of contaminated soil removal.

**West Virginia Division of Highways, Various Sites Throughout WV**

As a LRS, prepared Site Characterization Reports, Remedial Action Work Plans, Final Reports, Land Use Covenants for petroleum contaminated VRP sites.

**West Virginia Division of Highways, Various Sites Throughout WV**

As a Project Geologist, conducted oversight of UST removals and prepared closure assessment reports.

**West Virginia Department of Environmental Protection, South Charleston, WV**

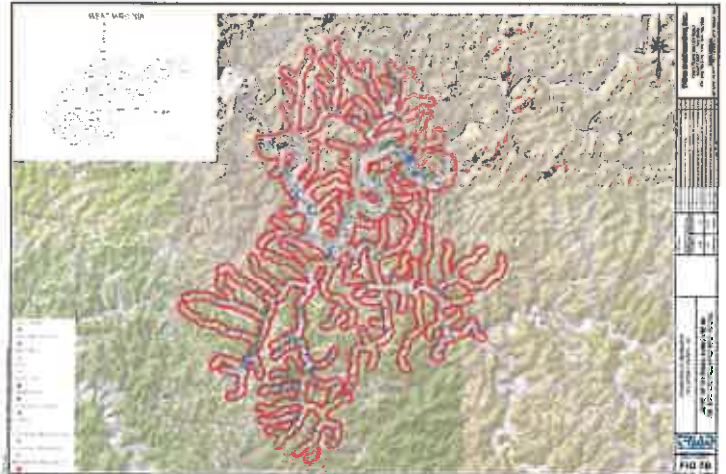
As a direct push technology rig operator collected soil and sediment samples during performance of an environmental site assessment at an abandoned landfill.

**CLIENT:**  
Grantsville Municipal  
Water

**PROJECT TYPE:**  
Civil/Utilities

### OVERVIEW

Subsequent to the Freedom Industries spill of crude MCHM into the Elk River approximately 1 mile up river of West Virginia American Water's intake, Senate Bill 373 was passed to



change and update current WV code. As a part of this bill, all Public Water Utilities which draw and treat water from a surface water supply source or a surface water influenced groundwater supply source shall submit an updated or complete a Source Water Protection Plan (SWPP). Triad worked closely with the Grantsville Municipal Water to develop their SWPP. This included:

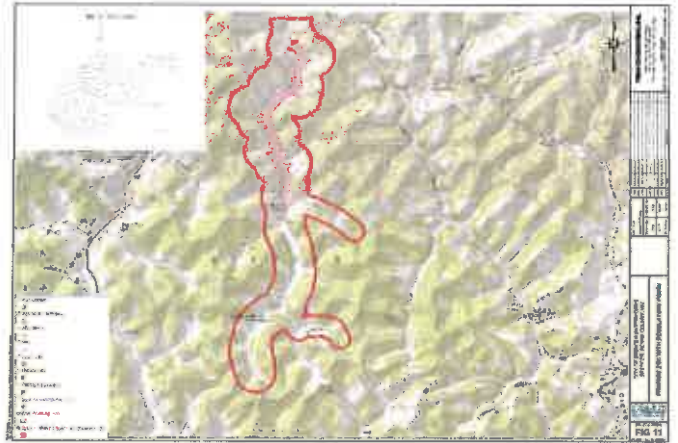
- Several Public Meetings/Interviews with Property Owners and Key Utility and Emergency Personnel
- Significant Field Survey of Watershed to Verify Potential Sources of Significant Contaminants (PSSC)
- Source Water Monitoring Plan/Early Warning Feasibility Study
- Contingency Plan Development, including a Second Source Feasibility Study
- Prepared Maps and Provided WVDHHR with GIS Data of PSSCs

**CLIENT:**  
Spencer Water  
Department

**PROJECT TYPE:**  
Civil/Utilities

### OVERVIEW

Subsequent to the Freedom Industries spill of crude MCHM into the Elk River approximately 1 mile up river of West Virginia American Water's intake, Senate Bill 373 was passed to



change and update current WV code. As a part of this bill, all Public Water Utilities which draw and treat water from a surface water supply source or a surface water influenced groundwater supply source shall submit an updated or complete a Source Water Protection Plan (SWPP). Triad worked closely with the Spencer Water Department to develop their SWPP. This included:

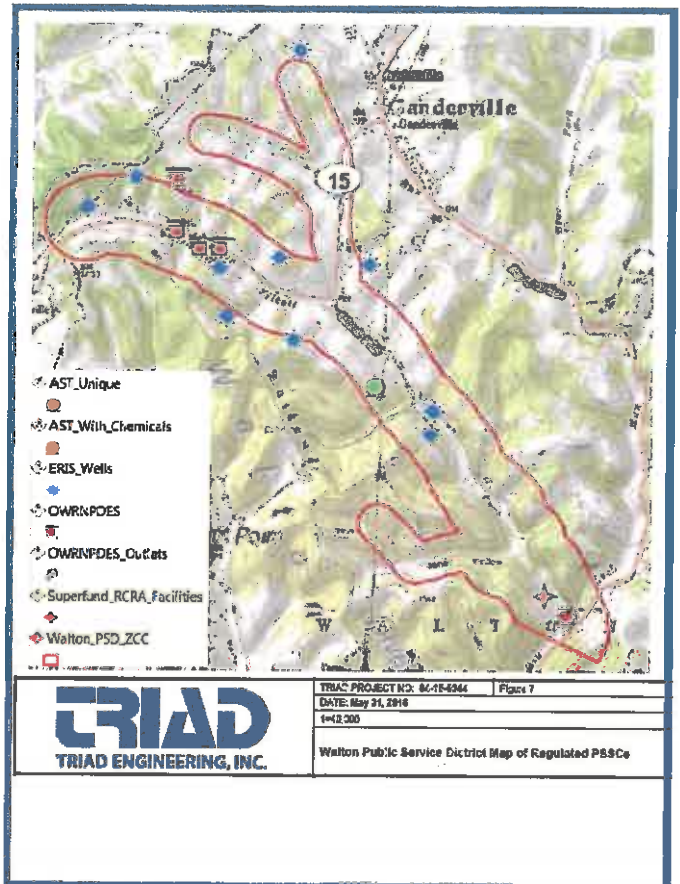
- Several Public Meetings/Interviews with Property Owners and Key Utility and Emergency Personnel
- Significant Field Survey of Watershed to Verify Potential Sources of Significant Contaminants (PSSC)
- Source Water Monitoring Plan/Early Warning Feasibility Study
- Contingency Plan Development, including a Second Source Feasibility Study
- Prepared Maps and Provided WVDHHR with GIS Data of PSSCs

**CLIENT:**  
 Walton Public Service  
 District

**PROJECT TYPE:**  
 Civil/Utilities

**OVERVIEW**

Subsequent to the Freedom Industries spill of crude MCHM into the Elk River approximately 1 mile up river of West Virginia American Water's intake, Senate Bill 373 was passed to change and update current WV code. As a part of this bill, all Public Water Utilities which draw and treat water from a surface water supply source or a surface water influenced groundwater supply source shall submit an updated or complete a Source Water Protection Plan (SWPP). Triad worked closely with the Walton Public Service District (Walton PSD) to develop their SWPP. This included:



- Several Public Meetings/Interviews with Property Owners and Key Utility and Emergency Personnel
- Significant Field Survey of Watershed to Verify Potential Sources of Significant Contaminants (PSSC)
- Source Water Monitoring Plan/Early Warning Feasibility Study
- Contingency Plan Development, including a Second Source Feasibility Study
- Prepared Maps and Provided WVDHHR with GIS Data of PSSCs

## References

Mayor Travis Copenhaver  
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RFQ No. LEO I EHS 18 00000001STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** 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

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**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.

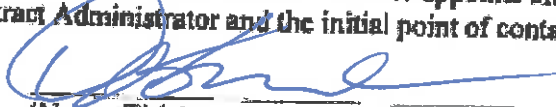
**CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

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

Vendor's Name: Triad Engineering, Inc.Authorized Signature: [Signature] Date: 6/18/18

Purchasing Affidavit (Revised 06/15/07)


**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.



(Name, Title) David Meadows, PE, PS, Southwestern Regional Manager  
(Printed Name and Title)  
(Address) 10541 Teays Valley Road, Scott Depot WV 25560  
(Phone Number) / (Fax Number) 304-755-0721 / 304-755-1880  
(email address) dmeadows@triadeng.com

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Triad Engineering, Inc.  
(Company)

  
(Authorized Signature) (Representative Name, Title)

David Meadows, PE, PS, Southwestern Regional Manager  
(Printed Name and Title of Authorized Representative)

6/18/18  
(Date)

304-755-0721 / 304-755-1880  
(Phone Number) (Fax Number)

## West Virginia Ethics Commission



## Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code § 6D-1-2*, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$100,000 or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply.

**"Business entity"** means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation.

**"Interested party" or "Interested parties"** means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

**"State agency"** means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education; Provided, that for purposes of *W. Va. Code § 6D-1-2*, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

*This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: [ethics@wv.gov](mailto:ethics@wv.gov); website: [www.ethics.wv.gov](http://www.ethics.wv.gov).*



West Virginia Ethics Commission  
Disclosure of Interested Parties to Contracts  
(Required by W. Va. Code § 6D-1-7)

Contracting Business Entity: Triad Engineering Address: 10541 Teays Valley Rd.

Authorized Agent: \_\_\_\_\_ Address: Scott Depot, WV 25560

Contract Number: \_\_\_\_\_ Contract Description: \_\_\_\_\_

Governmental agency awarding contract: \_\_\_\_\_

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: [Handwritten Signature]

Date Signed: 6/18/18

Notary Verification

State of West Virginia County of Putnam

I, David Meadows, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 18 day of June 2018

[Handwritten Signature]

Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: \_\_\_\_\_

Date submitted to Ethics Commission: \_\_\_\_\_

Governmental agency submitting Disclosure: \_\_\_\_\_



Official Seal  
Notary Public, State of West Virginia  
Pamela E. Dosier  
105 Valley Bend  
Scott Depot, WV 25560  
My Commission Expires March 10, 2019

**ADDENDUM ACKNOWLEDGEMENT FORM**

**SOLICITATION NO.:** CE010506 EHS1800000001

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.


**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Triad Engineering, Inc.  
Company

  
Authorized Signature

6/18/18  
Date

**NOTE:** This addendum acknowledgement should be submitted with the bid to expedite document processing.

Revised 6/8/2012