



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at [wvOASIS.gov](http://wvOASIS.gov). As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at [WVPurchasing.gov](http://WVPurchasing.gov) with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 838477

SO Doc Code: CEOI

Procurement Type: Central Purchase Order

SO Dept: 0506

Vendor ID: 000000203864

SO Doc ID: BHS2100000003

Legal Name: S & S ENGINEERS INC

Published Date: 3/9/21

Alias/DBA:

Close Date: 3/25/21

Total Bid: \$0.00

Close Time: 13:30

Response Date: 03/25/2021

Status: Closed

Response Time: 12:59

Solicitation Description: BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT REPLACEMENT

Responded By User ID: ssengineers

Total of Header Attachments: 1

First Name: Jessie

Total of All Attachments: 1

Last Name: Parker, Jr.

Email: jop@s-s-eng.com

Phone: 304-342-7168



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder:** 838477  
**Solicitation Description:** BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT REPLACEMENT  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-03-25 13:30	SR 0506 ESR03252100000006614	1

**VENDOR**  
 000000203864  
 S & S ENGINEERS INC

**Solicitation Number:** CEOI 0506 BHS2100000003  
**Total Bid:** 0  
**Response Date:** 2021-03-25  
**Response Time:** 12:59:30  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Crystal G Husted  
 (304) 558-2402  
 crystal.g.husted@wv.gov

**Vendor Signature X** **FEIN#** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Barboursville School Wastewater Treatment Plant Replacement				

Comm Code	Manufacturer	Specification	Model #
72121505			

**Commodity Line Comments:** This is an EOI for Engineering Services

**Extended Description:**

Complete design for the installation of a new wastewater treatment facility with design to include shutdown and removal of existing wastewater treatment plant:  
 Barboursville School  
 1535 Martha Rd.  
 Barboursville, WV 25504

# BARBOURSVILLE SCHOOL



## ARCHITECTURAL / ENGINEERING PROPOSAL FOR BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT REPLACEMENT

Presented by:

S & S Engineers, Inc.

501 EAGLE MOUNTAIN ROAD  
CHARLESTON, WV 25311  
(304) 342-7168

507 RICHLAND AVENUE, SUITE 201  
ATHENS, OH 45701  
(740) 447-5000



New River Engineering, Inc.

202 SCHOOL DRIVE  
SHREWSBURY, WV 25015  
(304) 595-3290





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

State of West Virginia  
 Centralized Expression of Interest  
 Architect/Engr

<b>Proc Folder:</b> 838477			<b>Reason for Modification:</b> ADDENDUM 1 TO PROVIDE ANSWERS TO VENDOR QUESTIONS
<b>Doc Description:</b> BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT REPLACEMENT			
<b>Proc Type:</b> Central Purchase Order			
<b>Date Issued</b>	<b>Solicitation Closes</b>	<b>Solicitation No</b>	<b>Version</b>
2021-02-22	2021-03-25 13:30	CEOI 0506 BHS2100000003	2

**BID RECEIVING LOCATION**

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

**VENDOR**

**Vendor Customer Code:**

**Vendor Name :** S & S Engineers, Inc

**Address :**

**Street :** 501 Eagle Mountain Road

**City :** Charleston

**State :** WV **Country :** USA **Zip :** 25311

**Principal Contact :** Christopher Burford

**Vendor Contact Phone:** (304) 342-7168 **Extension:**

**FOR INFORMATION CONTACT THE BUYER**  
 Crystal G Hustead  
 (304) 558-2402  
 crystal.g.hustead@wv.gov

**Vendor Signature**  **FEIN#** 55-0601971 **DATE** 3/23/21

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

**ADDITIONAL INFORMATION**

THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES, IS SOLICITING EXPRESSIONS OF INTEREST FROM QUALIFIED FIRMS TO PROVIDE PROFESSIONAL ENGINEERING SERVICES FOR THE DESIGN OF A REPLACEMENT WASTEWATER TREATMENT PLANT AT THE BARBOURSVILLE SCHOOL PER THE ATTACHED DOCUMENTATION.

INVOICE TO	SHIP TO
HEALTH AND HUMAN RESOURCES BBH/HF 350 CAPITOL ST, RM 350 CHARLESTON WV 25301-3702 US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS  No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue
1	Barboursville School Wastewater Treatment Plant Replacement		

Comm Code	Manufacturer	Specification	Model #
72121505			

**Extended Description:**

Complete design for the installation of a new wastewater treatment facility with design to include shutdown and removal of existing wastewater treatment plant:

Barboursville School  
1535 Martha Rd.  
Barboursville, WV 25504

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	VENDOR QUESTION DEADLINE	2021-03-09

**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.

**S & S Engineers, Inc., Christopher Burford, COO**

(Name, Title)

**Christopher Burford, COO**

(Printed Name and Title)

**501 Eagle Mountain Road, Charleston, WV 25311**

(Address)

**(304) 342-7168 / (304) 342-7169**

(Phone Number) / (Fax Number)

**cburford@nrei-wv.com**

(email address)

**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.

**S & S Engineers, Inc.**

(Company)



**Christopher Burford, COO**

(Authorized Signature) (Representative Name, Title)

**Christopher Burford, COO**

(Printed Name and Title of Authorized Representative)

**3/23/2021**

(Date)

**(304) 342-7168 / (304) 342-7169**

(Phone Number) (Fax Number)



STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

**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.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"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 exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: S & S Engineers, Inc

Authorized Signature:  Date: 3/23/21

State of West Virginia

County of Kanawha, to-wit:

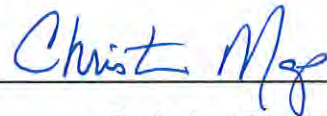
Taken, subscribed, and sworn to before me this 23 day of March, 2021.

My Commission expires September 25, 2025



AFFIX SEAL HERE

NOTARY PUBLIC



**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CEOI BHS21000000003**

**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 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 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.

S&S Engineers, Inc.

\_\_\_\_\_  
Company  


Authorized Signature

3/25/21

\_\_\_\_\_  
Date

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

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CEOI BHS21000000003**

**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 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 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.

S&S Engineers, Inc.

\_\_\_\_\_  
Company  


Authorized Signature

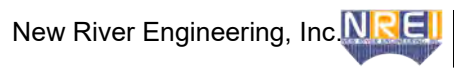
3/25/21

\_\_\_\_\_  
Date

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



S & S Engineers, Inc.  
Proposal for Barboursville School



New River Engineering, Inc.

# BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT REPLACEMENT

## Table of Contents

Expression of Interest	1
Company Profile - S & S Engineers, Inc.	2
Company Profile - New River Engineering, Inc.	3
Scope of Work	4
Plan of Approach	5
Project Experience	10
Funding	13
Project Management	14
Resumes of Key Personnel	16
Client References	40
Safety	42
Our Teaming Partners	43
Additional Services	44





## Barbourville School Wastewater Treatment Plant Replacement

### EXPRESSION OF INTEREST

S & S Engineers, Inc. (S & S) and New River Engineering Inc. (NREI) is pleased to express our interest in providing engineering services to the Department of Health and Human Resources of Barbourville for the proposed project. S & S Engineers was established in 1980 and NREI was established in 1998 giving both companies a combined 60 years of experience. Our team is a West Virginia based civil / environmental engineering firm and is noted for design excellence and client focus. Our team's integrated design approach, our commitment to design quality, as well as our local architectural and construction experience will help to ensure the quality of services that we will provide to the DHHR of Barbourville and its customers. Below, please find additional qualifications that make our team uniquely qualified to assist you with your project:

We have experience in the development of similar projects throughout West Virginia and has a history of providing high quality design services throughout West Virginia, Kentucky, Ohio and Virginia. This quality has been recognized by the quantity of our repeat clients. We will use our engineering abilities and extensive design experience to the Town's advantage.

As the lead architect, Mr. Michael Noel, NCARB will lead the project effort for the DHHR. Mr. Noel has a Bachelor of Arts in Civil Architecture from Ohio University. Mr. Noel has a vast amount of experience working in the public and private sectors. Mr. Noel will be assisted by Mr. Jessie Parker, P.E., President, Mr. Matt Shelton, VP, PM, Mr. Christopher Burford, COO, PM, Mr. Ashok Sanghavi, P.E., DEE, QEP, Mr. Mike Yandrich, P.E., Mr. Randy Crace, P.S., Mr. Charles Kurzyna P.E., P.S., Mr. Charles Strobe P.E., and the rest of our staff.

We have the training, experience, and multi-discipline support to meet the needs of our clients. Due to our small size our Engineers and Architects become well rounded and deeply involved with each Project. Our Engineers and Architects are able to put their heads together to create an excellent working knowledge of each project creating high quality, personalized, and professional services. We would like to thank you for this opportunity and if we can be of service to you in this matter, please don't hesitate to contact us at (304) 342-7168.



## COMPANY PROFILE

### S & S ENGINEERS, INC.

S & S Engineers, Inc. is an engineering, surveying, and consulting firm founded in 1980 in Charleston, WV and has been providing quality service to our clients for over 40 years. The firm is currently managed by Mr. Jessie O. Parker, P.E. - President, Mr. Christopher D. Burford - COO and Mr. Matt Shelton - Vice President. S & S has successfully provided an integrated approach to utility projects for our clients. S & S provides professional services to facility owners and operators, architects, and contractors throughout West Virginia, Kentucky, Ohio, Virginia and North Carolina and many others. S & S services range through all facets of civil engineering design as well as construction administration and project management.

S & S remains committed to the idea of providing high quality, client focused, design solutions that meet budget and schedule requirements. This commitment to quality has been recognized through the long-term client relationships that we have developed. S & S has the qualified professionals available to provide services throughout the duration of a project from the initial planning phases through construction completion and beyond.

S & S utilizes the abilities of designers with many years of experience in their area of expertise, teamed with younger designers on a "best resource for the project approach". We also provide project management services at levels ranging from general oversight to complete project delivery through all phases of design and construction. Our personnel have worked in both the private and public sector and are familiar with many methods of project delivery.

S & S has developed the following philosophy to guide the performance of its services:

- Provide superlative design services to our clients in new construction, improvements, and daily operations.
- Perform work in a timely, accurate and professional manner.
- Present multiple alternatives and solutions whenever possible.
- Work with our clients to control project costs.
- Be a technical sounding board for our clients in all situations.
- Strive to maintain professional competency through continuing education and training.

S & S utilizes a practical application approach to all projects throughout the design process to provide a well-rounded result. This methodology emphasizes the best overall solution, meeting all the client's needs, instead of just the best technical solution. We believe our small size provides a distinct advantage to our clients and affords us the freedom to easily team with the clients to achieve the overall best possible result.



# COMPANY PROFILE

## NEW RIVER ENGINEERING, INC.

New River Engineering, Inc. (NREI) is an engineering, surveying, and consulting firm that has been providing quality service to the industries for over 20 years. Mutual respect and trust are the cornerstones in the relationships established and maintained with our clients. NREI strives to perform all work in a professional and cost effective manner, while providing our clients with quality and excellence. NREI primarily serves the coal, oil & gas, timber, and construction industries.

Our staff combines advanced technology with many decades of surveying, mining and engineering experience and includes two professional engineers, one professional surveyor, four degreed engineers, AutoCAD/engineer technicians and ten full time survey crews.

As a full service engineering and surveying firm, NREI can provide a whole host of services to our clients including, but not limited to the following:

- Construction Design
- Construction Management
- Construction Surveying
- Geotechnical Engineering & Drilling Management
- Environmental Permitting (WVDEP, NPDES, OAQ and USACOE)
- Underground / Surface Mine Engineering
- Underground / Surface Mining Surveying
- Civil Site Design / Engineering / Planning
- Drainage Design / Engineering / HECRAS
- Aerial Mapping
- Compaction Testing with Nuclear Density Gauge
- Subsurface Utility Locate Surveys with Ground Penetrating Radar & Pipe and Cable Locators
- Ohio DNR Environmental Permitting
- Oil & Gas Surveying
- Boundary & Property / Topographical Surveying
- GPS RTK & Static Surveying
- Reserve Studies





## SCOPE OF WORK

The Department of Health and Human Resources of Barboursville, located in Cabell County, West Virginia is currently in the process of selecting a consulting engineer in regard to provide engineering services for the design of a replacement wastewater treatment plant at The Barboursville School.

The DHHR is requesting the following engineering services to be provided:

1. Complete design plan for the installation of a new wastewater treatment facility.
2. Inclusive of structural foundations required for securing equipment.
3. Design shall include the shutdown and removal of existing wastewater treatment plant
4. All permits, fees and licenses as required



## PLAN OF APPROACH

S & S Engineers, Inc. (S & S) and New River Engineering Inc. (NREI) is fully aware of community needs having served various communities in West Virginia for over 40 years. S & S and NREI believes in offering personal services as well as professional services.

S & S and NREI believes in a team approach for the development of projects. Therefore, our first task will be to meet with the Project officials to review existing data, reports, etc., and to ascertain the need of the community. Following data gathering, We will then evaluate alternatives and develop a cost-effective proposal that meets existing and future needs. Throughout the process, Project officials will be kept informed and involved in all important matters.

S & S and NREI will assist the DHHR in preparation and submission of any funding application needs. Once the funding has been secured, we will then begin to develop detailed engineering drawings and specifications for the project. As information is gathered, it will be reviewed with DHHR officials to allow comment and coordination as the project progresses. The project engineer will be involved during all phases of developing a project, obtaining funding, design and construction to assure coordination with the City personnel, and regulatory and funding agencies.

### PRELIMINARY ENGINEERING REPORT

Our next task will be the preparation of a Preliminary Engineering Report (PER). Specifically, the report will be organized in accordance with regulatory and funding agency requirements as follows:

1. Introduction and Overview
2. Planning Area and Future Needs
3. Evaluation of the Existing System
4. Proposed Improvements/Upgrades
5. Alternate Solutions
6. Cost Estimates – Capital and O & M
7. Environmental Issues
8. Public Participation
9. Final Plan Selection
10. Implementation

Prior to publication of the final report, all information will be shared and reviewed with the DHHR officials to assure that concerns are addressed.



## DESIGN PHASE

S & S and NREI will prepare contract documents including plans and specification conforming to funding agencies requirements. Our design phase will be carried out as follows:

1. Define Existing Conditions
  - a. Assemble and evaluate data to eliminate conflicts and redundancy
  - b. All major decisions regarding data will be discussed with DHHR officials. Important data sources include, but are not limited to the following:
    1. City of Barboursville
    2. Local Health Department
    3. WV Department of Environmental Protection
    4. USDA Rural Development
    5. WV Division of Highways (DOH)
    6. Soil Conservation Service
    7. U.S. Corps of Engineers
    8. Local Citizens and Groups
2. Identify Project Work
  - a. Evaluate existing data, reports and design drawings, if available
  - b. Evaluate existing system
  - c. Evaluate environmental aspects
  - d. Summarize existing problems and make presentation
3. Preliminary Design
  - a. Preliminary layout of proposed redesign of a replacement wastewater treatment plant
  - b. Land surveys for mapping, rights-of-way, and / or land acquisitions
  - c. Coordination with the City, DEP, USDA-RD and DOH
  - d. Preliminary Cost Estimates
  - e. Preliminary review with the DHHR
4. Final Design
  - a. Incorporate review comments from the DHHR, DEP, USDA-RD, DOH, and other agencies
  - b. Prepare detailed specifications and final design report in accordance with state and federal guidelines
  - c. Attend public meetings
  - d. Prepare final cost estimates
  - e. Secure permits from DEP, DOH, and other agencies
  - f. Prepare bid documents
  - g. Conduct pre-bid conference
  - h. Assist in advertising for bids, attend bid opening and assist in evaluation of bids with recommendations for awarding the construction of the project(s)



## CONSTRUCTION PHASE

S & S and NREI will provide the following services during the construction phase of the project:

1. Administrative Services
  - a. Assist and advise the DHHR in the preparation of construction contracts for signature(s)
  - b. Issue a "Notice to Proceed" to the appropriate Contractor(s)
  - c. Provide consultation and advise the DHHR during construction
  - d. Preparation of elementary and supplementary sketches and / or drawings required to resolve problems arising from actual field conditions encountered
  - e. Review and approve shop drawings, diagrams, illustrations, brochures, catalog data, schedules, and samples, results of tests and inspections, other data which the contractor(s) is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the contract documents
  - f. Receive and review maintenance and operating instructions, schedules, guarantees, bond and certificates of inspections which are to be assembled by the contractor(s) in accordance with the contract documents
  - g. Review and approve requests for periodic and final payments to the contractor(s)
  - h. Issue certificates of completion to the DHHR for completed construction contracts
  - i. Review original drawings and provide to the DHHR a digital copy on disk and two (2) sets of black line prints of "as-built" plans
  - j. Advise the DHHR whether the project can meet the project performance standards
  - k. Attend monthly meetings during the construction period
  - l. Represent the DHHR in technical matters and litigation, if required
  - m. Provide engineering services during start-up of the facility
  - n. Provide training to DHHR employees for the operation of the new facility
  - o. Provide one (1) year project performance certification
  
2. Field Services
  - a. A Qualified Design Professional will make periodic visits to the site to observe the progress and quality of the executed work, and determine, in general, if the work is proceeding in accordance with the contract documents



- b. Efforts will be directed toward providing assurance to the DHHR that the completed project will conform to the requirements of the contract documents
  - c. Make general monthly construction progress reports to the DHHR
  - d. Observe initial operation of the project, or any performance tests as required by the specifications
  - e. Make final inspection and report on the completed project
  - f. Advise the DHHR of any special test or necessary outside services that may be required to assist construction of the project
  - g. On the date, one (1) year after the initiation of the operation of the project, a Professional Engineer shall certify to the DHHR whether the project can meet the project performance standards in accordance with requirements for the project
3. Resident Inspection Services During Construction
- a. A Resident Project Representative(s) will be furnished for each construction contract (as a minimum) to provide extensive representation at the project site during the construction phase
  - b. Through more extensive on-site observations of the work in progress and field checks of materials and equipment by the Resident Project Representative(s), the DHHR will be provided further protection against defects and deficiencies in the work
  - c. In addition to the general duties outlined above, the Resident Project Representative(s) will:
    - 1. Observe the installation of approved materials and equipment and construction techniques and procedures in accordance with contract documents
    - 2. Aid in public relations activities as the construction progresses through private property
    - 3. Monitor the construction schedule and report conditions which may cause delay in completion
    - 4. Review contract documents with the contractor's superintendent
    - 5. Obtain necessary interpretations and transmit them to the contractor
    - 6. Consider the contractor's suggestions and recommendations, evaluate them and submit them with recommendations for a final decision
    - 7. Attend field meetings as directed and report on the proceedings
    - 8. Observe tests required by the contract documents, and record and report test procedures and, where applicable, the results
    - 9. Maintain records at the construction site in an orderly manner, including correspondence, change orders, supplementary drawings, requests for payment, and names and addresses of contractors, subcontractors, and principal material suppliers

10. Keep a journal or log book recording time and activities related to the project, weather conditions, nature and location of work being performed, verbal instructions and interpretations given to the contractor, and specific observations, record any occurrence of work that might result in a claim for a change of contract sum or contract time, and maintain a list of visitors, their titles, and time and purpose of their visit
11. Review applications for payment submitted by the contractor and forward them with recommendations for disposition
12. Prepare a punch list as construction nears completion and inform contractor of items on punch list
13. Assist in final inspection of the work

### **SPECIAL SERVICES**

1. Land Surveys
  - a. Easements and right-of-way plat maps
  - b. Verify existing aboveground and underground utilities
  - c. Construction stakeout of proposed improvements of the storm water system
1. Attendance at Public Meetings to represent the DHHR on technical matters
2. Attendance at Technical Meetings with the City, DEP, USDA-RD, etc.
3. Furnish technical assistance to the accountant and legal staff
4. Provide technical testimony before courts and / or administrative hearings related to the project



## PROJECT EXPERIENCE

### 1. Nitro Regional Wastewater Utility, Kanawha County, WV

- **Description:** Planning, design, and construction management of a sewer line extension and construction of a new Belt Filter Press Building and Belt Filter Press.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$8,226,840, completed project approximately \$100,000 under budget and used savings to upgrade the wastewater treatment plant headworks
- **Project Status:** Completed 2017

### 2. Green Valley-Glenwood PSD, Mercer County, WV

- **Description:** Planning, design, and construction management of a 1,000 gpm pump station, force main, upgrade of the UV unit at the WWTP and related work.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$890,330, completed project approximately \$50,000 under budget and used savings to purchase additional equipment
- **Project Status:** Completed 2015

### 3. City of Sistersville, Tyler County, WV

- **Description:** Planning, design, and construction management of a new wastewater collection system in the Hanford City area with pump station and related work.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$1,100,000, completed project approximately \$100,000 under budget and used savings to replace approximately 800 LF of existing sewer line
- **Project Status:** Completed 2014

### 4. City of St. Marys, Pleasants County, WV

- **Description:** Planning, design, and construction management of Phase II which included replacement of water and sewer lines in several city blocks, one (1) water storage tank, street paving and related work.
- **Funding Source:** WVBPH-DWTRF & WVDEP-CWSRF
- **Project Cost:** \$7,740,000, completed project approximately \$550,000 under budget and used savings to purchase equipment
- **Project Status:** Completed 2014



## PROJECT EXPERIENCE

### 5. Nitro Regional Wastewater Utility, Kanawha County, WV

- **Description:** Planning, design, and construction management of an upgrade of the wastewater treatment plant's elevated headworks, installation of two (2) new Parshall flumes and flowmeters, construction of a new 80'x44' garage / maintenance building and replacement of Pump Station No. 7.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$3,035,000, completed project approximately \$180,000 under budget and used savings to purchase equipment
- **Project Status:** Completed 2012

### 6. Kanawha PSD, Kanawha County, WV

- **Description:** Planning, design, and construction management of 6 miles of gravity sewer & force mains, two (2) pump stations and three (3) grinder pump stations for Winifrede Hollow.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$5,370,000, completed project approximately \$450,000 under budget and used savings to purchase equipment, replaced diffusers in aeration basins at the WWTP, constructed a new laboratory
- **Project Status:** Completed 2011

### 7. City of St. Marys, Pleasants County, WV

- **Description:** Planning, design, and construction management of Phase I which included replacement of water and sewer lines in 12 city blocks, replacement of an existing reservoir with a 500,000-gallon water storage tank and another 270,000-gallon water storage tank.
- **Funding Source:** USDA-RD
- **Project Cost:** \$5,000,000, completed project approximately \$320,000 under budget and used savings to replace all existing meters with radio frequency meters, purchase equipment
- **Project Status:** Completed 2010

### 8. Town of Winfield, Putnam County, WV

- **Description:** Planning, design, and construction management of the replacement of three (3) pump stations and force mains, upgrade of one pump station, gravity sewer replacement, and lagoons cleaning with land application of sludge on farmlands.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$2,300,000, completed project approximately \$130,000 under budget and used savings to purchase equipment
- **Project Status:** Completed 2010





## PROJECT EXPERIENCE

### 9. The Plains Fire Station, Athens County, OH

- **Description:** 10,000 sq. ft. three bay fire station with full service kitchen, community conference space, dispatcher station, handicap restroom on first level and sleeping rooms, restrooms, showers and exercise room on second level. Truck bay area is two vehicle deep for service vehicles, rescue boat, ambulance and brush vehicles.

### 10. Richland Avenue Fire Station, Athens County, OH

- **Description:** 7,000 sq. ft. Volunteer facility with three bay vehicle garage, meeting room, small kitchen, personnel equipment storage, restrooms and conference room

### 11. Nelsonville Fire Station Master Plan, Athens County, OH

- **Description:** 8,000 sq. ft. facility which was designed to be constructed between the Nelsonville City Administrative Building and the new Nelsonville EMS facility. The master plan provided four bay vehicle area, additional sleeping quarters for fire personnel, exercise area and dispatcher office.

### 12. Nelsonville SEOMS, Athens County, OH

- **Description:** 5,000 sq. ft. EMS facility providing two ambulance vehicle bays, personnel day area, sleeping quarters, kitchen, restrooms and showers.

### 13. Hocking County EMS Renovations, Hocking County, OH

- **Description:** Renovation of abandoned fire station into a new EMS facility, converting one of the four vehicle bays into a dayroom, kitchen, sleeping quarters, restroom and showers.

### 14. Athens County Engineer Depot, Athens County, OH

- **Description:** 15,000 sq. ft. facility to provide a service area of county maintenance vehicles, wash bay, vehicle lift, material storage with additional general storage above in the mezzanine area. The building including installation of light shelves providing indirect lighting into the interior of the garage facility. The administration building was also constructed as part of this project and included conference space, restrooms and a public conference area.

### 15. Athens County Sherriff's Office Master Plan, Athens County, OH

- **Description:** 20,000 sq. ft. administrative space, deputy quarters, 911 dispatching facility, sleeping quarters, incarceration facility, and evidence storage area.



## FUNDING

S & S and NREI will assist the DHHR of Barboursville in preparation and submission of the grant / loan funding application to the WV Infrastructure & Jobs Development Council (IJDC), US Department of Agriculture - Rural Development (USDA-RD), WV Bureau of Public Health (BPH) - Drinking Water Treatment Revolving Fund (DWTRF), WV Department of Environmental Protection (DEP) – Clean Water State Revolving Fund (CWSRF), HUD - Community Development Block Grant (CDBG), Appalachian Regional Commission (ARC), Governor's Partnership Grant, Private Bank funding, etc. S & S will represent the City and coordinate with the various funding agencies to obtain a favorable funding package. Once the funding has been secured, We will then begin to develop detailed engineering drawings and specifications for the project. As information is gathered, it will be reviewed with DHHR officials to allow comment and coordination as the project progresses. The project engineer will be involved during all phases of developing a project, obtaining funding, design and construction to assure coordination with the DHHR personnel, and regulatory and funding agencies.



## PROJECT MANAGEMENT

With over 100 years of combined professional experience, the project team will be made up of the following personnel, along with the rest of S & S Engineers and New River Engineering:

Jessie O. Parker, Jr., P.E. Email: jop@s-s-eng.com	President / Principal Engineer
Christopher D. Burford Email: cburford@nrei-wv.com	Chief Operating Officer
D. Matt Shelton Email: dms@s-s-eng.com	Vice President / Project Manager
Michael Noel, NCARB Email: mike.noel5050@gmail.com	Lead Architect
Michael Yandrich, P.E., M.S. Email: mjy@s-s-eng.com	Senior Engineer
Ashok M. Sanghavi, P.E., DEE, QEP Email: a.sanghavi@s-s-eng.com	Senior Engineer
Charles "Chuck" B. Kurzyna, P.E., P.S. Email: ckurzyna@nrei-wv.com	Senior Engineer
Charles "Charlie" T. Strobe, P.E. Email: cstrobe@nrei-wv.com	Senior Engineer
Randy B. Crace, P.S. Email: r.crace@s-s-eng.com	Senior Surveyor
J. Michael "Mike" Green, P.S. Email: mgreen@greenandassoc.net	Senior Surveyor
Benjamin "Ben" Treadway Email: btreadway@nrei-wv.com	Engineer / Project Manager
Vincent "Vince" Scriptunas Email: vsriptunas@nrei-wv.com	Senior Engineer
Will Harless Email: abh@s-s-eng.com	Project Manager / Engineer





S & S Engineers, Inc.  
Proposal for Barboursville School

New River Engineering, Inc.



15

## RESUMES OF KEY PERSONNEL



**Jessie O. Parker, JR., P.E.**

**President: S & S Engineers, Inc.**

**P.E.: New River Engineering, Inc.**

**P.E.: Green and Associates, LLC**

### **EXPERIENCE**

#### **PROFESSIONAL ENGINEER**

Mr. Parker began his career at S & S in 2003 working on a variety of environmental projects throughout West Virginia, Kentucky, Ohio and Virginia. Mr. Parker has served in the capacity of Engineer, Project Manager, and Principal in Charge for a variety of projects at S & S. This experience includes environmental, water supply, wastewater, storm water and drainage projects. Mr. Parker's responsibilities include planning, design and construction administration.

Mr. Parker also has experience in grading plans, construction management, payment request approvals, quantity & cost estimates, and has worked with City, Town & PSD personnel, regulatory and funding agencies, as well as contractors.

Mr. Parker has proven to move projects forward in a professional, cost-effective and timely manner. Has extensive knowledge of the state and federal water supply, and wastewater laws and regulations and is very familiar with federal and state grant and loan programs.

### **EDUCATION**

#### **Bachelor of Science**

Civil Engineering  
West Virginia University  
December 2002

#### **Master of Science**

Engineering  
Marshall University  
May 2006

### **CERTIFICATIONS**

Environmental Site  
Assessment  
Commercial Real Estate  
December 2016

Professional Engineer (WV)  
Professional Engineer (OH)  
Professional Engineer (KY)  
Professional Engineer (VA)  
Professional Engineer (NC)

### **PROFESSIONAL AFFILIATIONS**

Water Environment Federation  
American Water Works Association  
American Society of Civil Engineers  
Society of American Military Engineers  
West Virginia Rural Water Association  
Contractors Association of West Virginia





**Christopher D. Burford**

**President: New River Engineering, Inc.**

**COO / Sr. Project Manager : S & S Engineers, Inc.**

**Managing Member: Green and Associates, LLC**

**Managing Member: New River Safety, LLC**

**Managing Member: Ellison Ridge Mining, LLC**

Mr. Burford has been with NREI for over fifteen years. As the President and Project Manager for New River Engineering, Inc., he is in charge of Surface and Underground Mining Permit Applications, is the Manager of Surveying Crews, manages State and Federal Safety Plans and Permits, is in charge of Construction Oversight & Construction Management, and Mine Planning.

**EXPERIENCE**

**President and Senior Project Manager**

New River Engineering Inc. (since 2004) for surface and underground mining permit applications, manager of surveying crews, state and federal safety plans and permits, mine planning

**Managing Member**

Green and Associates, LLC, St. Clairsville OH (since 2018) - manager and supervisor of survey crew and office personnel, business development, and coordination with clients on various projects.

**Managing Member**

New River Safety, LLC - Manager and Supervisor of safety instructors, electrical inspectors, and office personnel, business development, and coordination with clients and government entities

**EDUCATION**

**Associate of Science**

Civil Engineering Technology  
West Virginia University, Institute of Technology, May 2004

**CERTIFICATIONS**

- Certified Underground Coal Miner
- Certified Surface Coal Miner
- MSHA Certified Limited Instructor
- MSHA Certified Gravimetric Dust Sampling
- MSHA Certified Gravimetric Dust Calibration & Maintenance
- Heartsaver First Aid, CPR & AED Certified
- Safe Land USA PEC Safety
- MSHA—Methane / Oxygen Deficiency Qualified
- APNGA Portable Nuclear Gauge Safety & USDOT Hazmat Certified (#299-160-926-311)
- APNGA Certificate of Achievement - Radiation Safety Officer Class (#299-160-994-3161)

**PROFESSIONAL AFFILIATIONS**

- Contractors Association of West Virginia
- West Virginia Rural Waters Association
- West Virginia Coal Association
- Friends of Coal Association



## **EXPERIENCE (Christopher D. Burford)**

### **Managing Member**

Ellison Ridge Mining, LLC - management and oversight of various sub-contractors over mining, reclamation, and civil site construction projects, business development, and coordination with clients and government entities.

### **TECHNICIAN**

Technician / Installer for HVAC Systems, service and repair on residential and commercial HVAC, cellular phone cell sites, commercial refrigeration, and the design of duct systems.

### **RESEARCHER**

Fayette County (WV) researcher for deeds, map books, parcel properties and taxes, assessment of properties.





**D. Matt Shelton**

**Vice President: S & S Engineers, Inc.**

**Project Manager: New River Engineering, Inc.**

**Project Manager: Green and Associates, LLC**

**EXPERIENCE**

**VICE PRESIDENT**

Mr. Shelton began his career at S & S in 2004 working in civil engineering fields such as site development, water supply, wastewater, storm water and drainage. Also has experience in surveying, construction management, record keeping, quantity and payment reviews, inspection and site grading. Having worked with general contractors, subcontractors, community representatives and residents, he has developed solid techniques to move the projects in a professional, cost-effective and timely manner.

Experienced in site grading, surveying, quantity surveys, building layout, water & sewer system design and construction inspection on civil engineering projects.

Experience as Engineering Technician including design of water line extensions, water booster stations, water storage tanks, wastewater pump stations, sewer line extensions, manholes, drainage calculations, and preparation of quantity and cost estimates.

Experience as Survey Technician / Instrument man includes topographic surveys, construction stakeout for water & sewer systems and highways, building layout, cut sheets for sewer systems, GPS surveying for field control work, etc.

**EDUCATION**

**Bachelor of Science**

Civil Engineering Technology  
West Virginia University  
May 2005

**CERTIFICATIONS**

Environmental Site  
Assessment  
Commercial Real Estate  
December 2016

**PROFESSIONAL AFFILIATIONS**

Water Environment Federation  
Contractors Association of West Virginia







**Michael Noel, NCARB**  
**Registered Architect**  
**Michael Noel Architect, LLC**

Mr. Noel has been Principal of Michael Noel Architect for the past four years. Before establishing his firm he was Senior Principal with Panich, Noel and Associates for 32 years.

**EXPERIENCE**  
**REGISTERED ARCHITECT**

Responsible for day to day design and management of various construction types for the firm.

**CONSTRUCTION DOCUMENTS**

As the Partner in charge Mr. Noel has been partner to oversee more than \$300 million dollars of construction documents varying from hotels, industrial buildings, churches, prisons and higher and lower education.

**PROJECTS**

- Hotels: Morgantown-Holiday Inn - \$20,000,000
- Portsmouth- Holiday Inn Remodel - \$6,000,000
- Industrial: RXQ Compounding - \$5,000,000
- Logan Goodyear Plant - \$3,000,000
- Prisons: Septa Correctional Facility - \$4,500,000
- HVCRC Youth Prison and School - \$3,000,000
- Education: Athens City Schools Renovations, Roof Replacement, Additions, Bus Garage and Athlete Facilities Buildings - \$15,000,000.
- Trimble Schools Building Additions and Remodeling - \$400,000.
- Alexander Schools Renovations and Maintenance Facility - \$500,000.
- HVCRC Gymnasium and Classroom Design - \$3,000,000.

**EDUCATION**

**Bachelor of Arts in Architecture**  
 Ohio University  
 May 1974

**Register NCARB**  
 1982

**Certifications**

Registered (WV) Professional  
 Registered (OH) Professional  
 Registered (IL) Professional  
 Registered (FL) Professional

**Civic Affiliations**

Athens Rotary Club  
 Boy Scouts of America  
 Athletes in Action





**Michael Yandrich, P.E., M.S.,**  
**Senior Engineer: S & S Engineers, Inc.**  
**P.E.: New River Engineering, Inc.**  
**P.E.: Green and Associates, LLC**

## EXPERIENCE

### Senior Engineer

Mr. Yandrich has extensive experience with water and wastewater projects working with clients from conceptual design through construction. Mr. Yandrich provides civil engineering design and oversight for the completion of plans and technical specifications for water and wastewater projects, along with permitting, cost estimates, and construction administration. Mr. Yandrich's duties include hydrologic and hydraulic analysis and design, storm water management, construction inspection, shop drawing review, project scheduling, coordination, budget management, client interaction, and project team coordination. Mr. Yandrich completes engineering calculations, studies, plans, reports, and data analysis, and he coordinates construction projects, including interim and final inspections, to determine compliance with applicable laws, regulations, and specifications.

Mr. Yandrich began his career with the State of Ohio Environmental Protection Agency working as an inspector, permit writer, and plan reviewer for a variety of hazardous waste, air pollution, water, and wastewater projects. Since leaving employment with the State of Ohio, Mr. Yandrich has worked on projects including renewable energy/electrical, structural, water, and wastewater.

Mr. Yandrich's professional and technical knowledge has led to successful water and wastewater construction and rehabilitation projects for both public and private clients. He has a working relationship with multiple municipalities around Ohio and West Virginia as well as state and local agencies to facilitate coordination and effective design and successful construction.

## EDUCATION

### Bachelor of Science

Civil Engineering  
Ohio State University  
May 1995

### Master of Science

Civil Engineering  
Ohio State University  
December 2006

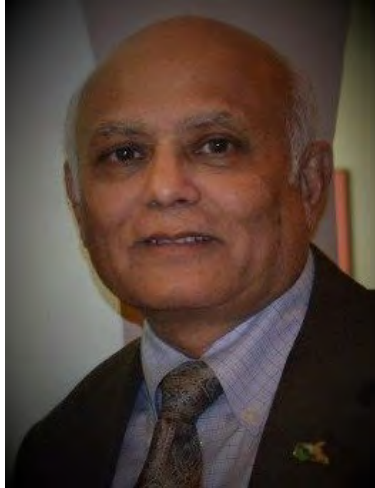
## CERTIFICATIONS

Professional Engineer (WV)  
Professional Engineer (OH)

## PROFESSIONAL AFFILIATIONS

American Society of  
Civil Engineers





**Ashok M. Sanghvi, P.E., DEE, QEP**  
**Senior Engineer: S & S Engineers, Inc.**

**EXPERIENCE**

**SENIOR ENGINEER**

Over forty-six years of professional experience in civil engineering fields such as environmental, water supply, wastewater, solid wastes management, drainage, and mining. He has provided planning, design, construction management and technical expert testimony for environmental and general civil engineering projects. He has prepared Phase I environmental site assessments and carried out subsequent Phase II and Phase III remediation work. He has prepared environmental impact statements for state and federal highway projects.

Having worked for the private industry as well as state government, he thoroughly understands both sides. He has extensive knowledge of the state and federal water supply, and wastewater laws and regulations and is also very familiar with federal and state grant and loan programs.

**West Virginia State Health Department**

- 1) Acting Chief, Wastewater Division
- 2) District Engineer
- 3) Water Supply Engineer



**EDUCATION**

**Masters of Science**

Civil Engineering  
 West Virginia University -1970

Partial Course work for Ph.D.

**CERTIFICATIONS**

Professional Engineer (WV)  
 Diplomate - American Academy of Environmental Engineers  
 Qualified Environmental Professional  
 IPEP

**PROFESSIONAL AFFILIATIONS**

West Virginia Rural Water Association  
 American Water Works Association  
 Water Environment Federation (President, WV Section, 1987-1988)  
 (National Director 1989-92)

**Award**

Arthur Sidney Bedell Award,  
 Water Environment Federation, 1993





**Charles "Chuck" Kurzyna, P.E., P.S.**  
**Professional Engineer / Surveyor**  
**New River Engineering, Inc. - Vice President**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**  
**Member: New River Safety, LLC**  
**Member: Ellison Ridge Mining, LLC**

### HIGHLIGHTS

Former President and Principal Owner of New River Engineering Inc., established in 1998. The 20-25-person consulting engineering firm has been performing surveying and engineering for the coal mining and construction industries.

Mr. Kurzyna has over 30 years of engineering and management experience in the mining industry and consulting business. He specializes in surface and underground mine design, planning, and surveying; environmental and safety permitting; project and construction management.

### EDUCATION

#### **Bachelor of Science**

Mine Engineering Technology  
 West Virginia Institute of Technology  
 May 1979

#### **Associate of Science**

West Virginia Institute of Technology  
 May 1977

### CERTIFICATIONS

- Professional Engineer (WV)
- Professional Engineer (OH)
- Professional Engineer (PA)
- Professional Engineer (VA)
- Professional Engineer (KY)
- Professional Engineer (GA)
- Professional Surveyor (WV)
- Underground Mine Foreman
- Surface Mine Foreman

### PROFESSIONAL AFFILIATIONS

- Contractors Association of West Virginia
- West Virginia Coal Association
- Friends of Coal Association
- Society of Mining Engineers



## **EXPERIENCE (Charles "Chuck" Kurzyna)**

### **PROJECT MANAGER**

Project Manager for a consulting engineering firm, responsible for job estimates and bidding, supervise office staff in engineering related projects including surface mine surveying, reclamation and permitting, reserve studies, etc.

### **CHIEF ENGINEER**

Chief Engineer for a small mining and construction company, responsible for mine planning, production tracking, construction job bidding, construction engineering, etc.

Chief Engineer, Senior Engineer for the Lady Dunn Surface Mine & Preparation Plant; coal reserve evaluations; project engineering for mine related facilities; environmental permits for large surface and deep mining operation; etc.

### **PROJECT ENGINEER/SURFACE MINE FOREMAN**

Project Engineer/Surface Mine Foreman whose duties were to coordinate and oversee engineering projects; preparation of surface mine permits, modifications and renewals; Supervised 3rd shift truck, shovel and loader crews on multiple seam mountaintop removal operations.

### **QUALITY CONTROL SUPERVISOR/PREPARATION ENGINEER**

Quality Control Supervisor/Preparation Engineer whose duties were to supervise lab personnel in coal sampling, preparation and analysis for incoming and outgoing coal; determine blends for coal shipments; SPC; plant project engineering duties; computerized truck sampling system with Tema nuclear ash monitor; quality work with coal labs; barge load-out and coal analysis.

### **MINING/ENVIRONMENTAL ENGINEER**

Mining/Environmental Engineer whose duties included project engineering work; strip and deep mine development; coal reserve evaluations; surface and deep mine permits; time studies; water analysis programs; strip mine development, deep mine layout; outside and underground surveying, and core drilling programs.





**Charles T. Strope, P.E.**  
**Professional Engineer**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**

Mr. Strope returned to New River Engineering, Inc. in November 2018; he had worked with NREI earlier in his career (2010-2014) as a staff engineer.

**EXPERIENCE**

**PROFESSIONAL ENGINEER**

Responsible for mine planning and permitting, monthly production reports for clients and hazardous slope plans for oil and gas line construction.

**GEOTECHNICAL ENGINEER**

Geotechnical Engineer for TRC Engineers, Inc. – Charleston, WV, Project Engineer on various construction projects including US Route 35 expansion at Buffalo, WV, Jefferson Road Improvements in South Charleston, WV and the Hobet Mine Access Road in Madison, WV. Engineering Analysis performed including stability of road fills and road cuts, settlement analysis, retaining wall design, and performed boring inspection in the field.

**HIGHWAY ENGINEER ASSOCIATE**

Highway Engineer Associate (West Virginia Division of Highways, Charleston, WV) Responsible for performing construction inspections and preparing daily progress reports to be utilized in determining state payments to contractors.

**STAFF ENGINEER**

Staff Engineer at NREI (2010-2014) Responsible for updating mine maps, monthly production reports and supplying clients with updated mine maps, escape-way maps, ventilation maps etc. Engineering analysis performed on coal pillar stability.

**EDUCATION**

**Master of Business Administration**

West Virginia University  
 June 2010

**Bachelor of Science**

Civil Engineering  
 West Virginia University  
 May 2009

**Bachelor of Science**

Mining Engineering  
 West Virginia University  
 May 2009

**CERTIFICATIONS**

- Professional Engineer (WV)
- Professional Engineer (OH)
- Professional Engineer (KY)
- Professional Engineer (MI)
- Professional Engineer (IL)
- Professional Engineer (PA)
- Professional Engineer (MD)
- APNGA Portable Nuclear Gauge Safety & USDOT Hazmat Certified (#455-161-245-2474)
- APNGA Certificate of Achievement - Radiation Safety Officer Class (#455-160-996-3367)

**PROFESSIONAL AFFILIATIONS**

- Contractors Association of West Virginia
- West Virginia Coal Association
- Friends of Coal Association





**Randy B. Crace, P.S.**

**Senior Surveyor: S & S Engineers, Inc.**

## EXPERIENCE

### SENIOR ENGINEER

Mr. Crace began his career at S & S in 1983 working on a variety of surveying and engineering projects. Areas of concentration in boundary surveys, mapping, topography, subdivisions, annexations, right of ways, subdivision development, construction stakeout, aerial mapping controls, GPS-RTK survey control networks, oil and gas well locations, surface and underground mining permits, construction stakeout, hydrology, erosion and sediment control plans, storm water retention systems, site grading plans, parking lot layout, WVDOH driveway permits, Cad software programs, Geographic Information Systems, Phase I - ASTM environmental site assessment and expert witness testimony in the surveying field.

**U.S. Army - SP4, Honorable Discharge - 1974**

## EDUCATION

### Bachelors of Science

Industrial Technology  
West Virginia State College, Institute  
December 1989

Master of Science  
Environmental Studies  
MUCGS, Institute of WV  
Partial Course Work

## CERTIFICATIONS

Environmental Site Assessment  
Commercial Real Estate  
Certification  
ASTM E-1527 & E-1528 – October 2001  
ASTM E 1527-05 Phase I and USEPA AAI  
– October 2006

ACSM Surveying Instrumentation and Coordinate Computation  
Certificate, 1978

Center College, Charleston, WV  
Technical Degree, Drafting – 1970

Professional Surveyor (WV)  
Professional Surveyor (KY)  
Professional Surveyor (OH)

## PROFESSIONAL AFFILIATIONS

West Virginia Association  
of Land Surveyors  
American Congress  
on Surveying & Mapping  
National Society of Professional Surveyors  
American Institute of Architects, WV





**John Michael “Mike” Green, P.S.**  
**Professional Surveyor**  
**Green and Associates, LLC**

**EXPERIENCE**

**SURVEYOR**

Ohio surveyor of record specializing in oil and gas permitting, construction layout, commercial and residential surveys.

**SURVEYOR / ENGINEER**

Leads surveying, engineering and construction layout as well as services for residential, commercial, industrial and the oil and gas industries. Surveying included oil and gas permit plats, declaration of pooling and unitization, water transfers and pad layout and as builds, all surveys and construction layout for all Wheeling Pittsburgh Steel plants and layout of the Samis Power Plant major upgrades. Engineering services included design and construction of pump stations, water plants, large water transmissions lines, residential water and sewage design in and for Belmont County and building designs.

**MINE ENGINEER**

Mine Engineer for The North American Coal Corporation - Powhatan Point, OH, (12 years), in charge of all surveying services for Numbers 1, 3, 4 and 5 mines. Supervised construction projects for all mines. Prepared and submitted underground mining plans to the Mine Safety and Health Department, State of Ohio.

**EDUCATION**

**Associate of Science**  
Surveying and Engineering  
Technology  
Lorain College  
June 1970

**Addition courses**  
Ohio University, Belmont  
1971 –1972

**CERTIFICATIONS**

Professional Surveyor (OH)  
Underground Mine Foreman





**Ben Treadway**  
**Engineer / Project Manager**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**

Mr. Treadway is a 2005 graduate of WVU Tech with a B.S. in Civil Engineering Technology. He has over 10 years of experience in the engineering and consulting fields. Ben has experience in surveying, soil testing, and permitting and is proficient utilizing AutoCAD and SurvCadd for engineering design.

**EXPERIENCE**

**PROJECT MANAGER**

New River Engineering, Inc.—Shrewsbury, WV, Surface and Underground Mining Permit Applications, Surveying – Surface and Underground, 3D modeling, Slope Stability, USACE Permitting, Geologic Modeling, and Storm Water Construction

**SURVEYOR**

West Virginia Division of Homeland Security and Emergency Management – Big Chimney, WV, Performed flood elevation surveys for flooded homes in West Virginia. Used GPS to set benchmarks, determined base flood elevations, determined flood zones and stream data, filled out targeting sheets for homes with appropriate data.

**BRIDGE INSPECTOR (SUMMER CO-OP PROGRAM)**

West Virginia Department of Highways – Lewisburg, WV, Checked steel reinforcing placed within bridge piers for proper installation, filled out daily reports, calculated area of steel placed day-to-day, checked for proper bolt torque and installation, air and slump tested concrete poured in piers.

**EDUCATION**

**Bachelor of Science**

Civil Engineering Technology  
 West Virginia University Tech Fall 2005

**Associate of Science**

Civil Engineering Technology  
 West Virginia University Tech Spring 2004

**CERTIFICATIONS**

- Dam Inspector
- Underground Coal Miner
- Surface Coal Miner
- MSHA Certified Limited Instructor
- MSHA Certified Gravimetric Dust Sampling
- MSHA Certified Gravimetric Dust Calibration & Maintenance
- Heartsaver First Aid, CPR & AED Certified
- Safe Land USA PEC Safety

**PROFESSIONAL AFFILIATIONS**

- Contractors Association of West Virginia
- West Virginia Coal Association
- Friends of Coal Association



## **EXPERIENCE Continued (Ben Treadway)**

### **LAB TECHNICIAN**

Esmer & Associates Inc. – Boomer, WV, Performed lab tests on soil, used planimetry to determine slurry pond life, fill areas, cut areas, etc., used computer to calculate lab results, aided on coal impoundments to do various monitoring tests, collected data for coal impoundment monitoring.

### **SURVEYOR**

Fayette Engineering—Fayetteville, WV, Researched property at courthouses in various counties, operated a Total Station EDM, used HP data collector, acted as the Rodman, performed boundary surveys, developed subdivision layout (lots, roads, etc.), performed flood elevation surveys, filled out flood elevation paperwork





**Vincent W. Scriptunas II**  
**Senior Engineer**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**

Mr. Scriptunas is a 1981 graduate of West Virginia University with a B.S. in Mining Engineering with over 30 years of experience in the mining and consulting fields. Vince specializes in surface and underground mine planning and design, reclamation and environmental permitting.

**EXPERIENCE**

**SENIOR ENGINEER**

New River Engineering, Inc. - Shrewsbury, WV, Prepare surface mine permits as required by West Virginia state regulations. Prepare surface mine NPDES permits as required by West Virginia state regulations. Evaluate mining reserves. Provide technical assistance to clients for facilitation and implementation of more effective environmental reclamation and drainage control systems.

**MINE MANAGER**

Horizon Natural Resources-Ashland, KY, Supervised reclamation and mining including planning of daily activity. Evaluated reclamation liability of active and abandoned permits. Responsible for insuring environmental compliance and initiating subsequent permit revisions as required. Managed the final active mining of the Sycamore South Mountaintop Mine with no lost time accidents. Prepared monthly and annual mine plans and schedules for mountain top removal operation with annual production of 1.0 million tons.

**ENVIROMENTAL ENGINEER**

Pittston Coal Company-Lebanon, VA, Evaluated reclamation liability of active and inactive surface mines. Implemented reclamation plans for Bandmill and Boardtree Surface Mining Complexes. Prepared surface mine permits (Article 3 and NPDES) including revisions, modifications and renewals for active Pittston West Virginia subsidiaries.

**EDUCATION**

**Bachelor of Science**  
 Mining Engineering  
 West Virginia University 1981

**CERTIFICATIONS**

Surface Mine Foreman  
 Underground Coal Miner

**PROFESSIONAL AFFILIATIONS**

Contractors Association of West Virginia  
 West Virginia Coal Association  
 Friends of Coal Association



## **EXPERIENCE Continued (Vincent W. Scriptunas II)**

### **RESIDENT ENGINEER**

Pittston Coal Company-Lebanon, VA, Prepared monthly, quarterly and annual mine plan and schedules for mountain top/contour removal operation with annual production of 1.0 million tons. Planned, organized, scheduled and monitored construction and special projects (e.g., exploration, utilities, environmental). Acted as liaison between operations and governmental agencies. Responsible for insuring environmental compliance and initiating subsequent permit revisions as required. Maintained and projected coal quality information on seam splits. Advised Division Resident Engineer on survey crew needs and supervised company crew when on job site.

### **ENGINEER**

Mountain State Company – Shrewsbury, WV Prepared surface mine permits as required by West Virginia state regulations. Prepared air pollution control permits as required by West Virginia state regulations. Prepared surface mine NPDES permits as required by West Virginia state regulations.

### **MINING MANAGER**

Cyprus Kanawha Corporation-Powellton, WV, Developed a mine forecast and monitored surface mining activity for a mountain top removal operation with annual production of 1.5 million tons. Prepared operations elemental budget for a truck/shovel mining operation. Developed and maintained comprehensive production analysis including yardage moved, blasting data, haulage, productivity and availability. Reviewed royalty payment system which resulted in immediate savings of \$0.5 million and future savings of approximately \$1.0 million. Forecasted highwall miner production and necessary location on a contour surface mine. Reviewed West Virginia property tax appraisal resulting in a reduced tax expense. Directly responsible for supervision and development of the surveyors and technicians.

### **ENGINEER**

Hawks Next Mining Company (Subsidiary of Imperial Pacific Investments)-Powellton, WV, Provided planning and operational engineering support for both contour surface and underground mines. Compiled ventilation and roof control plans for underground mines as required by federal and state regulations. Prepared surface mine permits as required by West Virginia state regulations. Evaluated future surface mining reserves.

### **RESIDENT ENGINEER**

Hawks Nest Mining Company (Subsidiary of F.H. Prince)- Powellton, WV, Provided planning and operational engineering support for underground mines with continuous and conventional sections. Generated ventilation and roof control plans for underground mine as required by federal and state regulations. Evaluated potential acquisition opportunities and provided final recommendations. Researched mining property ownership and recommended settlement which resulted in a savings of \$130,000.





**Aaron B. Huston**  
**Staff Engineer**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**

Mr. Huston began his career at S & S Engineers, Inc. in September 2019.

**EXPERIENCE**

**STAFF ENGINEER**

Responsible for stormwater management including Pollution Prevention Plans, Ground Water Protection Plans, Spill Prevention Plans and designing stormwater management systems for construction sites, various types of permitting, developing site and topographic maps using Civil 3D, and construction inspection.

**DENSITY TESTING INSPECTOR**

Density Testing Inspector for Advance Testing Company, Inc. – Campbell Hall, NY, responsibilities included handling Nuclear density gauge and performing density testing on asphalt for a variety of projects in New Jersey.

**EDUCATION**

**Bachelor of Science**

Civil Engineering  
 West Virginia University  
 May 2019

**CERTIFICATIONS**

- APNGA Portable Nuclear Gauge Safety & USDOT Hazmat
- APNGA Certificate of Achievement - Radiation Safety Officer Class
- Qualified Preparer of Stormwater Pollution Prevention Plans
- Qualified Compliance Inspector of Stormwater
- NYSHMA Density Testing Inspector
- Certified QC/QA HMA Technician
- OSHA

**PROFESSIONAL AFFILIATIONS**

Contractors Association of West Virginia





**Daniel D. Craigo**  
**Staff Engineer**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**

Mr. Craigo began his career at New River Engineering, Inc. in January 2021; he had worked for S & S Engineers, Inc. previously in his career (2019-2020) as a junior engineer.

**EXPERIENCE**

**STAFF ENGINEER**

Responsible for stormwater management, flood studies utilizing HEC-RAS and SEDCAD along with other supplementary water analysis software and permitting for various clients.

**JUNIOR ENGINEER**

Junior Engineer for S & S Engineers, Inc. – Charleston, WV, projects included determining base flood elevations for various rivers and streams, designing stormwater management systems for subdivisions and construction sites, developing plans for the Lens Creek Sewer Extension in Kanawha County, WV, and construction inspection for the installation of the new retaining walls along the Elk River Trail at Coonskin Park.

**STAFF ENGINEER**

Staff engineer at Triad Engineering, Inc. Responsible for performing construction stormwater inspections, preparing daily reports and permitting, and design. Projects include assisting in the design of a new stormwater pipe network in Alderson, WV, determining water supply demand of future subdivision expansions, and erosion and sediment control inspections for various construction sites.

**EDUCATION**

**Bachelor of Science**  
 Civil Engineering  
 Marshall University  
 May 2019

**CERTIFICATIONS**

QSWPPP

**PROFESSIONAL AFFILIATIONS**

Contractors Association of West Virginia



**Brian Lawver, CAD Draftsman,  
Civil Design & Engineering  
Green and Associates, LLC**

### **EXPERIENCE**

#### **CAD DRAFTSMAN / SURVEYING**

- Drilling permit plats for the Oil & Gas Industry
- Declaration of Pooling & Unitization plat maps
- Drafted topography surveys
- Drafted as-built surveys
- Individual property boundary surveys

#### **CAD DRAFTSMAN / CIVIL DESIGN AND ENGINEERING**

- Highway plans through Ohio DOT's LPA program
- Sewer and waterline plans meeting Ohio EPA requirements/approvals
- Access roadways along with the necessary cross sections and profiles
- Site grading plans - small & larger sites
- Storm sewer plans and profiles
- Produced bid schedule estimates for bidding purposes

#### **SURVEYING**

- Topography surveys from surveyor's field notes
- Mortgage surveys from surveyor's property work
- Surveys meeting ALTA / ASCM requirements
- As-built surveys
- Provided stakeout report for survey crew
- Created contours and earthwork volumes for engineering projects/clients

### **EDUCATION**

**Associates Degree**  
Civil Construction  
Belmont Technical College  
St. Clairsville, OH  
March 1995





**Easton McGuire**  
**Technician / Surveyor**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**

## **EXPERIENCE**

### **SURVEYOR / TECHNICIAN**

New River Engineering, Inc., since 2018, as survey crew chief / technician. Performs surface, underground and aerial surveying, soil compaction testing, and construction inspections. Has experience working at various jobs including coal mining operations, gas line operations and municipalities.

### **CARPENTER**

Journeyman Carpenter for Triton Construction (2013-2018) – Member of United Brotherhood of Carpenters - member of construction crew building bridges throughout the Eastern United States.

### **CARPENTER / CONCRETE FINISHER**

Kanawha Stone (2010-2013) - member of construction crew working on various construction projects throughout the Eastern United States.

### **LABOR / EQUIPMENT OPERATOR**

A&K Enterprises (2009-2010) - member of construction crew constructing haul roads for various timbering operations throughout West Virginia.

## **CERTIFICATIONS**

Certified Surface Coal Miner - WV  
Apprentice Underground Coal Miner - WV

West Virginia Soil and Aggregate Compaction Technician

United States of America Remote Pilot Certification

APNGA Portable Nuclear Gauge Safety & USDOT Hazmat Certified

Heartsaver First Aid, CPR & AED Certified 2018

Journeyman Carpenter - The Brotherhood of Carpenters and Joiners of America

OSHA 10 Hour Certification  
Blue Print Reading

Construction Foreman

Fundamentals of Building Construction

Project Layout Training

Foundation and Framing

Pile Driving and Caissons

Lead Man and Estimating

Welding and Cutting

Aerial Lifts / Man Lifts

Fall Protection

Rigging

Confined Space

Scaffold Training







**Chase Mills**  
**Aggregate Technician / Surveyor**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**

**EXPERIENCE**

**SURVEYOR / TECHNICIAN**

New River Engineering, Inc., since 2018, as survey crew chief / technician. Performs surface, underground and aerial surveying, soil compaction testing, and construction inspections. Has experience working at various jobs including coal mining operations, gas line operations and municipalities.

**UTILITY POLE INSPECTOR**

Osmoste Utility Services Inc. (2017-2018) - worked as a crew member inspection, treating and replacing utility poles throughout the Eastern United States.

**CERTIFICATIONS**

- Certified Surface Coal Miner - WV
- Apprentice Underground Coal Miner - WV
- West Virginia Soil and Aggregate Compaction Technician
- West Virginia Asphalt Compaction Technician
- APNGA Portable Nuclear Gauge Safety & USDOT Hazmat Certified
- United States of America Remote Pilot Certification
- Heartsaver First Aid, CPR & AED Certified 2014
- AEP Substation Entry Trained
- OSHA 10 Hour Certification
- TC Energy Operational Management System (TOMS)
- TC Energy Excavation Training





**Will Harless**  
**Project Manager / Engineer**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**

Mr. Harless is a 2006 graduate of WVU Tech with a B.S. in Civil Engineering Technology. He has over 14 years of experience in the engineering and project management fields. Will has experience in surveying, regulatory compliance, environmental, and permitting in the oil & gas and mining fields and is proficient utilizing AutoCAD, SurvCadd, MicroStation for engineering design.

## **EXPERIENCE**

### **PROJECT MANAGER**

OH & WV Project development, Oil and Gas Permit Applications including Federal Bureau of Land Management permits, WV AST registration and inspections, Road improvements, Construction Erosion and Sediment Control

### **Manager Regulatory Compliance**

Manage permitting operations/scheduling for resource planning and development by coordinating with land reserves, GIS units, lateral planning, surveying, platting, environmental studies, road use maintenance agreements (RUMA), site construction, water withdrawal, oil/gas well drilling, completions, operations, reclamation, and plugging. Manage regulatory operation compliance with air quality including LDAR, engine testing, maintenance, and reporting

### **PROJECT ENGINEER**

Oil and Gas site construction—obtain needed permits for wells, baseline water testing, road use maintenance agreements with County Engineers and Townships, road entrances

## **EDUCATION**

### **Bachelor of Science**

Civil Engineering Technology  
West Virginia University Tech Fall  
2006

### **Associate of Science**

Civil Engineering Technology  
West Virginia University Tech Spring  
2005

## **CERTIFICATIONS**

Dam Inspector  
Underground Coal Miner  
Surface Coal Miner  
Heartsaver First Aid, CPR & AED Certified  
EMT-M Certification  
Safe Land USA PEC Safety  
DOT Hazardous Materials Transportation  
Radiation Safety Officer  
OSHA 30 Hour Certification  
SCUBA Certification

## **PROFESSIONAL AFFILIATIONS**

Contractors Association of West Virginia  
West Virginia Coal Association  
Friends of Coal Association  
Ohio Oil and Gas Association



## **EXPERIENCE Continued (Will Harless)**

### **PROJECT ENGINEER (Continued)**

reviews for wetlands, bats, streams, archeological review, and State Historic Preservation Office review. Site erosion and sediment control, slip repair, monitoring, inspections, water testing, and reclaim. Interaction with Federal and State regulatory agencies, land owners, and associations. Project scheduling and budget tracking.

### **SR ENVIRONMENTAL ENGINEER**

Coal mining environmental compliance with Federal and State regulatory agencies, Engineering support for production. Manage environmental engineers, consultants, contractors, public relations, training, schedule and budget tracking, CAD design, calculations, and map work.

### **MINE ENGINEER**

Mine plan, monthly tons and bank cubic yard calculations and reporting, schedule/analyze topographical flights. Environmental compliance and permitting for surface, deep mines, and plant with Federal and State regulatory agencies, Engineering support for production. Manage consultants, contractors, public relations, training, schedule and budget tracking. Perform: water sampling, daily reporting, environmental audits, surveying, CAD design, calculations, and map work. Quarterly and annual certifications for valley fills, impoundments, drainage ditches.

### **ENGINEER**

Project management, surveying, CAD design, calculations, and map work. Surface mine permitting. Quarterly and annual certifications for valley fills, impoundments.

### **DEPARTMENT OF HIGHWAYS (SUMMER CO-OP PROGRAM)**

West Virginia Department of Highways – Charleston, WV, surveying for bridge replacement design, locate utilities and site features. District rock and salt stockpile survey and volume calculation. Bridge inspections and load rating analysis and load calculations, updated bridge reports. Road expansion project included: daily asphalt application rates, excavation inspection and reporting, compaction testing and recording, construction progress per design and field change tracking. Also recorded concrete slump test and cylinder breaking test results for sidewalks and curb.

### **SURVEYOR (SUMMER)**

Danville, WV, Researched property at courthouses in various counties, operated a Total Station EDM, used HP data collector, acted as the Rodman, performed boundary surveys.





## CLIENT REFERENCES

Mr. Jeremy Lewis, General Manager  
Nitro Regional Wastewater Utility (City of Nitro)  
P.O. Box 607  
Nitro, WV 25143  
(304) 755-3669

Hon. Joetta Hatfield, Mayor  
Town of Fort Gay  
P.O. Box 336  
Fort Gay, WV 25514  
(304) 648-5246

Mr. John Rubin, Chairman  
Kanawha Public Service District  
P.O. Box 8  
Cabin Creek, WV 25035  
(304) 595-2203

Mr. John Elliot, President / Owner  
American Medical Facilities Management  
240 Capitol Street, Suite 500  
Charleston, WV 25301  
(304) 344-1623

Mr. Philip K. Farley, II  
Director of Engineering & Construction  
WV Division of Corrections  
617 Leon Sullivan Way  
Charleston, WV 25301  
(304) 558-2036

Mr. Brad Leslie  
WV Division of Natural Resources  
324 Fourth Avenue  
South Charleston, WV 25303  
(304) 558-4025

Hon. Bill Rice, Mayor  
City of Sistersville  
200 Diamond Street  
Sistersville, WV 26175  
(304) 652-6361



## CLIENT REFERENCES (Cont.)

Mr. Matt Hildebrand,  
Trans-Canada/TC Energy  
700 MacCorkle Avenue, SE  
Charleston, WV 25314-1515  
(304) 357-2000  
(304) 894-2657

Mr. John McNew  
United Coal Company  
109 Appalachian Dr.  
Beckley, WV 25801  
(304) 255-9030  
(304) 550-2324

Mr. Will Harless  
Montage Resources Company  
125 Putnam Street  
Marietta, OH  
(740) 374-2940  
(304) 993-5510

Mr. Christopher Matkins, Senior Engineer  
West Virginia Dept. of  
Environmental Protection  
1159 Nick Rahall Greenway  
Fayetteville, WV 25840  
(304) 574-4465

Mr. Eric Bess  
Mott MacDonald  
201 Pennsylvania S #400  
Charleston, WV 25302  
(304) 356-3010

Mr. G.R. Carr  
G.R. Carr Excavation Inc.  
297 Nathan Rd.  
Pool, WV 26684  
(304) 619-8903

Mr. Edward Brown  
Blackhawk Mining, LLC  
3228 Summit Square Place,  
Lexington, KY  
(304) 590-2487

Mr. Jamie Hake  
Allegheny Contracting, LLV  
13374 Boot Jack Road  
Ridgway, PA 15853  
(814) 772-2525

Mr. Brian Worley  
Contoura Energy, LLC  
208 Business St.  
Beckley, WV 25801  
(304) 929-6626

Mr. John McNew  
United Coal Company  
109 Appalachian Dr.  
Beckley, WV 25801  
(304) 255-9030



## **SAFETY**

In today's ever changing workplaces, we place safety as an utmost necessity for all employees. We are fully committed to provide our employees with knowledge and training to complete all tasks in a professional manner and to prepare them with a safe and hazard free work environment.



**VERIFORCE**<sup>™</sup>  
INTEGRATED COMPLIANCE SOLUTIONS



## OUR TEAMING PARTNERS



Tempo Construction, LLC



Larson Design Group®

Larson Design Group



American Geotech, Inc.



Carr Excavating



**ALLSTAR ECOLOGY**  
Natural Resource Specialists

Allstar Ecology



Airport Design Consultants, Inc.







## ADDITIONAL SERVICES



# Water Supply, Treatment, Storage, and Distribution Systems

With over forty years of experience, we are your one stop shop for water supply, treatment, storage, and distribution systems. We implement our four step process to each project to develop a better understanding of our clients needs and expectations: 1. Preliminary Engineering Report; 2. Design Phase; 3. Bidding Phase; 4. Construction Administration. We are “hands on” during all phases to ensure our clients obtain what they want in every project.

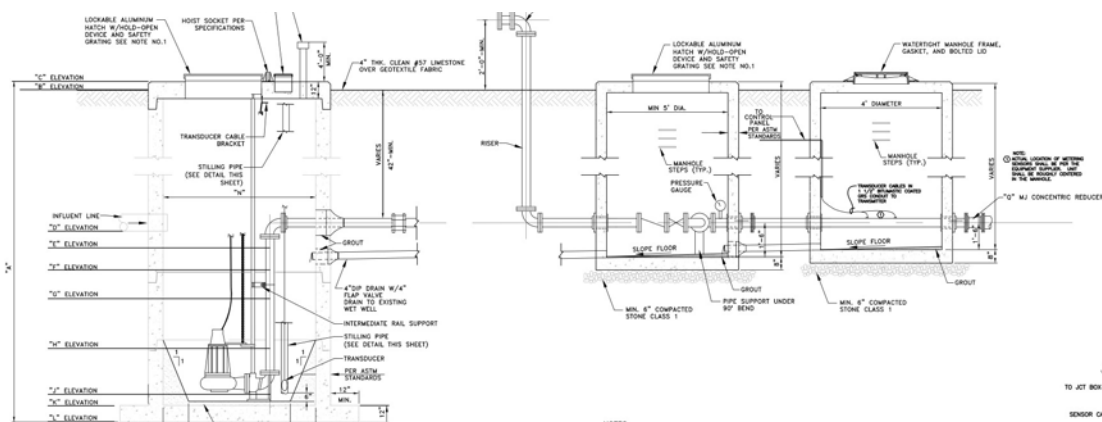
As a locally owned “small family” consulting firm, our clients get more for their money and receive more one-on-one time with our employees, which yields a more pleasurable experience. We excel in helping our clients ascertain funding from various governmental agencies to assist in the financing of the project.



# Wastewater Collection & Treatment Systems / Industrial and Hazardous Waste Treatment Systems

We recognize the importance and understands the hurdles that our clients must maneuver to offer wastewater service to their customers. We have a proven track record with a vast knowledge of local conditions and an excellent reputation with all regulatory, funding, permitting, and enforcement agencies. Our crew, from CAD Techs to the President, is included in all phases of the project. We have the knowledge and capacity to carry out the workload in a timely manner.

We have a full understanding of wastewater systems from small treatment facilities to municipalities, all the way to industrial wastewater systems. We are thoroughly knowledgeable in obtaining federal, state and local funding, and are available to you 24/7. We will see your projects from conception to completion.



# Construction Management and Civil Site Design

We have been providing construction engineering solutions to our clients, including towns and municipalities for a combined total of over 60 years. We have established ourselves as one of the leading consulting firms in the area, and our experienced staff is committed and dedicated to your project from the initial site design and bid package development to inspections and certification.

We also offer Civil Site Design services including: sub-division layouts, commercial development and design, HCA project areas, well pads, impoundments, street paving, drainage control, solid waste landfill, and impoundment design. We know and understand the value and importance of properly designed sites that offer the most cost effective and beneficial areas for our clients.

## Construction Management and Civil Site Services

- 3D Site Design
- Haulage & Access Road Design
- Excess Spoil Disposal Site Design
- Drainage design and runoff calculations
- Bid Packages
- Solid Waste Water Management and Land Fill Design
- Subdivision Design and Permit Applications
- Site Development Plans
- Pre, During & Post Construction Surveying
- HECRAS Modeling
- Stability analysis
- Site inspections / Project Management
- Certifications
- Cost Estimates
- Subdivision Design
- Street Paving Design and Drainage Control
- Construction management
- Earth Work Quantity Estimates
- Construction Staking

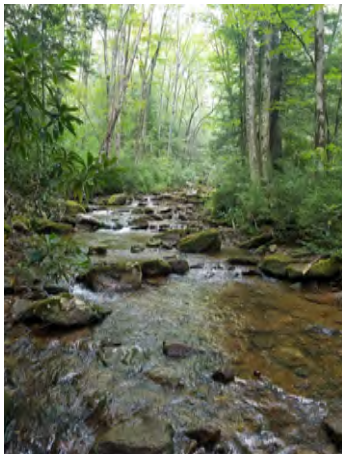


# Environmental Permitting

Environmental permitting has become a complex and confusing landscape. We have an efficient and thorough team of environmental consultants making sure permitting, regulatory compliance, construction monitoring and biological surveying are done with the utmost quality and cost effectiveness. This will save your project time and money from the start, and avoid costly delays in the future. Compliance with Clean Air and Water Acts, NEPA, and other state and federal requirements is invaluable to every project. Our attention to detail and practical solutions to complex issues are second to none. Our environmental permitting team will make sure once your project is off the ground, it stays there!

## Environmental Permitting Services

- Storm Water Permitting, Design, and Management
- Water Quality Monitoring
- Flood Plain Determination and Flood Elevation Certificates
- Groundwater Protection Plans
- Stream & Wetland Delineation
- Spill Prevention Control & Countermeasures Plan (SPCC)
- Article 3 Mining Permits
- Article 11 NPDES Permits
- West Virginia 401 Certification Permitting
- Waste Water Permitting, Design, & Management
- Clean Water Act Section 402 Permitting (NPDES Permit)
- United States Army Corps of Engineers 404 Permitting
- Jurisdictional Determinations
- Air Quality Permitting
- Best Management Practices (BMP)



# Environmental Permitting (Cont.)

## Environmental Permitting Services

- Ohio State Historic Preservation Office (SHPO)
- National Environmental Policy Act (NEPA)
- US Environmental Protection Agency (EPA)
- US Department of Justice (DOJ)
- Stormwater NPDES Permit Services
- National Conservation Planning Partnership (NRCS) & Forest Service
- United States Department of Agriculture (USDA) - Rural Development
- West Virginia Public Lands
- WV Department of Natural Resources (DNR)
- US Fish & Wildlife
- HECRAS Modeling
- WV Culture & History
- Ohio Department of Natural Resources (DNR)
- Ohio Environmental Protection Agency (EPA)
- Ohio Public Works Commission (OPWC)
- Ohio Department of Commerce / Division of Industrial Compliance
- Virginia Department of Environmental Quality (DEQ)
- Federal Aviation Administration (FAA)
- West Virginia IJDC
- West Virginia Water Development Authority
- EPA & WV DEP Compliance
- Environmental Site Assessments
- WV DEP & United States Army Corps of Engineers (USACE) Permit Services
- Local Agency Building / Construction



# Surveying

We have established ourselves as one of the areas' leading surveying firms with our 40+ years of experience in property, boundary, and topographic mapping. Our staff is skilled in courthouse research, finding property evidence, providing quality property surveys, and construction stake-outs.

Additionally, we offer aerial mapping utilizing drone surveys. Our aerial mapping has been proved to be invaluable for construction progress mapping, well pad progression, subdivision layouts, and civil site designs.

## Surveying Services

- Property Abstract & Research
- Boundary Surveys
- Survey Plats
- Subdivision Design & Layout
- Construction Surveying & Stakeout
- Underground Mining Surveying
- Right-of-Way & Land Acquisition
- Aerial Mapping / Control
- Drone Flight & Surveying
- Topographical Surveys
- ALTA / ACSM Land Title Surveys
- Unit Surveys
- Surface Mining Surveying
- Computer Mapping
- GPS / GIS Services



# Subsurface Utility Survey

We use some of the most advanced technology in Ground Penetrating Radar (GPR), pipe and cable locators, and smoke testing machines to accurately survey, map and inspect subsurface utilities. These services have been extensively used by our clients in the construction, oil and gas industries, as well as public service districts.

## Subsurface Utility Surveying Services

- Pipe and Cable Location
- Sewer Line Smoke Testing
- Ground Penetrating Radar (GPR)
- Internal Video Pipe Inspection





# Geotechnical Engineering

We have professional engineers and engineering technicians with extensive geotechnical engineering experience. We specialize in compaction testing, foundation design, slope failure remediation and embankment design. We put the focus on identifying the needs of clients, and providing cost-effective solutions with real results.

## Geotechnical Engineering Services

- Drilling Oversight, Management and Inspection
- Slope Failure Remediation
- Slope Stability Analysis
- Gabion Basket Wall Design
- Compaction Testing
- Foundation Design
- Embankment Design
- Drainage Analysis
- Soldier Pile Wall Design



# Funding Assistance

We provide assistance for our clients in the preparation of grant / loan funding applications. We will represent our clients and coordinate with the various funding agencies to obtain a favorable funding package. Once the funding has been secured, we will begin to develop detailed engineering drawings and specifications for the project.

## Funding Sources

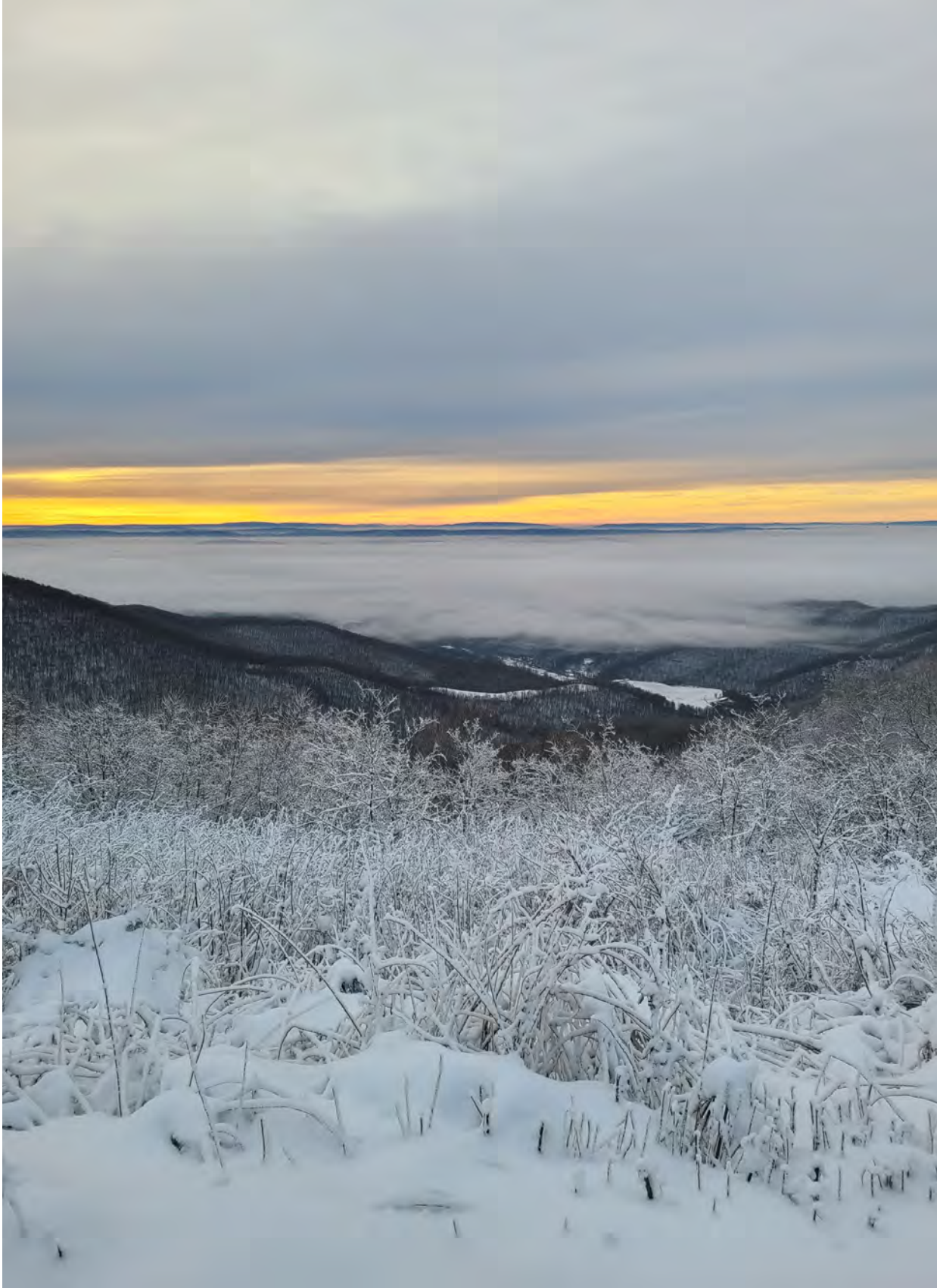
- West Virginia Infrastructure and Jobs Development Council (WV IJDC)
- West Virginia Water Development Authority (WV WDA)
- West Virginia Bureau of Public Health - Drinking Water Treatment Revolving Fund (WV BPH-DWTRF)
- West Virginia Department of Environmental Protection - Clean Water State Revolving Fund (WV DEP-CWSRF)
- Private Bank Funding
- Appalachian Regional Commission (ARC)
- United States Department of Agriculture Development Loans (USDA-RD)
- Housing and Urban Development - Community Development Block Grant (HUD-CDBG)
- Ohio Environmental Protection Agency (Ohio EPA)
- Ohio Rural Community Assistance Program (Ohio RCAP) - Funding Assistance
- United States Army Corps of Engineers (USACOE)



# Technical Expert Testimony

With over forty years of professional engineering experience, we are is more than capable of providing expert witness testimony to our clients should a need arise. We have multiple registered professional engineers in various disciplines, and these professionals are licensed throughout the United States. We are more than willing and ready in an utmost resolute manner to defend our clients and ensure that their interests are represented in the courtroom.





S & S Engineers, Inc.  
Proposal for Barboursville School

New River Engineering, Inc.

