



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: 918601

Procurement Type: Central Purchase Order

Vendor ID: 000000203864

Legal Name: S & S ENGINEERS INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 09/14/2021

Response Time: 12:46

Responded By User ID: sseengineers

First Name: Jessie

Last Name: Parker, Jr.

Email: jop@s-s-eng.com

Phone: 304-342-7168

SO Doc Code: CEOI

SO Dept: 0313

SO Doc ID: DEP2200000002

Published Date: 9/9/21

Close Date: 9/14/21

Close Time: 13:30

Status: Closed

Solicitation Description: EOI - 2021 Design Group A Projects

Total of Header Attachments: 1

Total of All Attachments: 1



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:** 918601  
**Solicitation Description:** EOI - 2021 Design Group A Projects  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-09-14 13:30	SR 0313 ESR09142100000001846	1

**VENDOR**  
 000000203864  
 S & S ENGINEERS INC

**Solicitation Number:** CEOI 0313 DEP2200000002  
**Total Bid:** 0  
**Response Date:** 2021-09-14  
**Response Time:** 12:46:30  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Joseph E Hager III  
 (304) 558-2306  
 joseph.e.hageriii@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	EOI Engineering Design Services - Clarksburg (Hill) Landslide				

Comm Code	Manufacturer	Specification	Model #
81100000			

**Commodity Line Comments:** No Bid

**Extended Description:**

\*Dates of Service are estimated for bidding purposes only.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	EOI Engineering Design Services - Fairfield Highwall				

Comm Code	Manufacturer	Specification	Model #
81100000			

**Commodity Line Comments:** No Bid

**Extended Description:**

\*Dates of Service are estimated for bidding purposes only.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	EOI Engineering Design Services-Green Valley Rd Laughlin LS				

Comm Code	Manufacturer	Specification	Model #
81100000			

**Commodity Line Comments:** No Bid

**Extended Description:**

\*Dates of Service are estimated for bidding purposes only.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	EOI Engineering Design Svcs-Skidmore Site (Canyon Mine) Mntc				

Comm Code	Manufacturer	Specification	Model #
81100000			

**Commodity Line Comments:** No Bid

**Extended Description:**

\*Dates of Service are estimated for bidding purposes only.

# West Virginia Department of Environmental Protection



**Request For  
Statements of Qualification  
For  
2021 Design Group A Projects  
CEOI 0313 DEP220000002**

**September 2021**

**Presented by:**

**S & S Engineers, Inc.  
501 Eagle Mountain Road  
Charleston, WV 25311  
(304) 342-7168**

**New River Engineering, Inc.  
202 School Drive  
Shrewsbury, WV 25015  
(304) 595-3290**

**507 Richland Avenue, Suite 201  
Athens, OH 45701  
(740) 447-5000**

**156 Woodrow Avenue, Suite 2A  
St. Clairsville, OH 43950  
(740) 695-9977**





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> 918601			<b>Reason for Modification:</b> Addendum #1 issued to publish agency responses to all vendor submitted questions.
<b>Doc Description:</b> EOI - 2021 Design Group A Projects			
<b>Proc Type:</b> Central Purchase Order			
<b>Date Issued</b>	<b>Solicitation Closes</b>	<b>Solicitation No</b>	<b>Version</b>
2021-09-09	2021-09-14 13:30	CEOI 0313 DEP2200000002	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 :** 501 Eagle Mountain Road  
**Street :**  
**City :** Charleston  
**State :** WV **Country :** USA **Zip :** 25311  
**Principal Contact :** Christopher Burford  
**Vendor Contact Phone:** 304) 342-7168 **Extension:**

**FOR INFORMATION CONTACT THE BUYER**

Joseph E Hager III  
 (304) 558-2306  
 joseph.e.hageriii@wv.gov

**Vendor Signature X**

**FEIN#** 55-0601971

**DATE** 9/14/21

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

**ADDITIONAL INFORMATION**

The Acquisitions and Contract Administration Section of the Purchasing Division ("Purchasing Division") is soliciting Expression(s) of Interest ("EOI" or "Bids") for the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML) ("Agency"), from qualified firms to provide architectural/engineering services ("Vendors") as defined herein

The mission or purpose of the Group of Projects (as listed below 1 through 4) for which bids are being solicited is to provide the subsequent design services for each; including but not limited to (as may be applicable to each project):

- 1)Clarksburg (Hill) Landslide project
- 2)Fairfield Highwall project
- 3)Green Valley Road (Laughlin) Landslide project
- 4)Skidmore Site (Canyon Mine) Maintenance project

- .Perform Site and Geotechnical Investigations
- .Design temporary and permanent access or accesses for construction and future maintenance.
- .Design to stabilize landslides.
- .Design multiple portal seals and regrades.
- .Design of highwall reclamation.
- .Design to repair or replace existing drainage structures/systems.
- .Design to mitigate AMD drainage, including possible horizontal borings.
- .Design reclamation of exposed mine spoil and refuse.
- .Design of drainage conveyances, including drainage channels, underdrains, and/or other controls to safely convey water off-site.
- .Condition and revegetate all disturbed areas.

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue
1	EOI Engineering Design Services -Clarksburg (Hill) Landslide		

Comm Code	Manufacturer	Specification	Model #
81100000			

**Extended Description:**

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INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue
2	EOI Engineering Design Services - Fairfield Highwall		

Comm Code	Manufacturer	Specification	Model #
81100000			

**Extended Description:**

\*Dates of Service are estimated for bidding purposes only.

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue
3	EOI Engineering Design Services-Green Valley Rd Laughlin LS		

Comm Code	Manufacturer	Specification	Model #
81100000			

**Extended Description:**

\*Dates of Service are estimated for bidding purposes only.

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue
4	EOI Engineering Design Svcs-Skidmore Site (Canyon Mine) Mntc		

Comm Code	Manufacturer	Specification	Model #
81100000			

**Extended Description:**

\*Dates of Service are estimated for bidding purposes only.

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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	Document Phase	Document Description	Page
DEP2200000002	Final	EOI - 2021 Design Group A Projects	5

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

**SOLICITATION NUMBER:** CEOI 0310 DNR2200000001

**Addendum Number:** No.01

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The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

**Applicable Addendum Category:**

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

**Description of Modification to Solicitation:**

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. To publish agency responses to all vendor submitted questions

**Additional Documentation:** Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

**Terms and Conditions:**

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

# ATTACHMENT A

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CEOI DNR22\*01**

**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 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

9/14/21

Date

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

Revised 6/8/2012

**RFI: Questions from vendors for DNR CEOI22\*01 Beech Fork Coopers Rock Cabin**

**Q.1.** Are there ADA accessibility requirements for the cabins?

**A. The cabin project will meet ADA accessibility requirements.**

**Q.2.** What is the anticipated timeline for completion?

**A. Construction is anticipated to begin Spring of 2022.**

**Q.3.** What is the budget for the project?

**A. The Budget will be discussed with the chosen firm during the scope and fee negotiations.**

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:**

Vendors Name: S&S Engineers, Inc.

Authorized Signature:  Date: 9/14/21

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 14 day of September, 2021.

My Commission expires September 25, 2025.

AFFIX SEAL HERE



NOTARY PUBLIC





ABANDONED MINE LANDS (AML) CONTRACTOR INFORMATION FORM

You must complete this form for your AML contracting officer to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement (OSMRE) to determine if you are eligible to receive an AML contract. This requirement applies to contractors and their sub-contractors and can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

**Part A: General Information**

Business Name: S&S Engineers, Inc.  
Tax ID #: 55-0601971  
Address: 501 Eagle Mountain Road  
City, State, & Zip: Charleston, WV 25311  
Phone Number: (304) 342-7168  
Email Address: cdb@s-s-eng.com

**Part B: Obtain an Organizational Family Tree (OFT) from the Applicant Violator System (AVS)**

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. To obtain an OFT, you may contact the AVS Office at 800-643-9748 or from the AVS website at: <https://avss.osmre.gov/>. Instructions for how to download an OFT from the AVS can be found at: <https://www.osmre.gov/programs/AVS/aml-instructions.pdf>.

**Part C: Certifying and updating information in the AVS**

Select only one of the following options, follow the instructions for that option, and sign and date below.

I, Christopher Burford, have express authority to certify that:  
(Print Name)

1. Our business is in the AVS and is accurate, complete, and up-to-date. If you select this option, you must attach an Entity OFT from the AVS to this form. Do not complete Part D.
2. Our business is in the AVS but needs to be updated. If you select this option you must attach an Entity OFT from the AVS to this form. Use Part D to provide the missing or corrected information.
3. Our business is not in the AVS and needs to be added. Complete Part D.

9/14/21  
Date

Christopher Burford Digitally signed by Christopher Burford  
Date: 2021.09.14 12:22:30 -0400  
Signature

COO  
Title

**Part D: OFT Information**

Contractor's Business Name: S&S Engineers, Inc.

If the current Entity OFT information for your business is incomplete in the AVS, or if there is no information in the AVS for your business, you must provide all of the following information as it applies to your business. Please include additional copies of this page if the space below is not sufficient to capture all information.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors, Partners, and Members;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.
- **Please list an end date for any person no longer with your business.**

Name: S&S Equipment and Leasing  
Address: 501 Eagle Mountain Road  
Begin Date: \_\_\_\_\_  
End Date: \_\_\_\_\_  
% Ownership: 100  
Position/Title: Parent Company  
Phone Number: (304) 342-7168

Name: Jessie Parker  
Address: 501 Eagle Mountain Road  
Begin Date: April 2003  
End Date: \_\_\_\_\_  
% Ownership: 0  
Position/Title: President  
Phone Number: (304) 342-7168

Name: Christopher Burford  
Address: 501 Eagle Mountain Road  
Begin Date: March 2021  
End Date: \_\_\_\_\_  
% Ownership: 0  
Position/Title: COO  
Phone Number: (304) 342-7168

Name: Matt Shelton  
Address: 501 Eagle Mountain Road  
Begin Date: July 2004  
End Date: \_\_\_\_\_  
% Ownership: 0  
Position/Title: Vice President  
Phone Number: (304) 342-7168

**PAPERWORK REDUCTION STATEMENT**

The Paperwork Reduction Act of 1995 (44 U.S.C 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to one hour, with an average of 30 minutes per response, including time for reviewing instructions, gather and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, 1849 C Street, NW, Room 4559, Washington, DC 20240.



S & S Engineers, Inc.  
SOQ for WVDEP  
2021 Design Group A Projects

New River Engineering, Inc.



## WVDEP 2021 Design Group A Projects

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## WVDEP 2021 Design Group A Projects

### EXPRESSION OF INTEREST

S & S Engineers, Inc. (S & S) and New River Engineering Inc. (NREI) is pleased to express our interest in providing environmental, engineering, architecture, and surveying services to West Virginia Department of Environmental Protection (WVDEP) as needed. 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 architectural and construction experience will help to ensure the quality of services that we will provide to WVDEP. Below, please find additional qualifications that make our team uniquely qualified to assist you with your potential needs:

We have a history of providing high quality design and engineering management 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 aid Region 4 Planning and Development Council as any need would arise.

As President of our firm, Mr. Jessie O. Parker, Jr., P.E. will lead projects for the County. Mr. Parker has a Bachelor of Science in Civil Engineering from WVU Institute of Technology and a Master of Science in Engineering from Marshall University. Mr. Parker has a vast amount of experience working in the municipal market and has spent his entire career in the utility / infrastructure sector of engineering. Mr. Parker will be assisted by 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 projects, 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.



S & S Engineers, Inc.  
SOQ for WVDEP  
2021 Design Group A Projects

New River Engineering, Inc.



## 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, Jr., 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



## COMPANY PROFILE

### GREEN & ASSOCIATES, LLC

Green and Associates, LLC is located in St. Clairsville, Ohio and is a subsidiary of NREI. Green and Associates, LLC has been providing quality surveying services for over 35 years to the following clients; oil and gas industries, coal industry, industrial, public service district, commercial, and residential. Green and Associates, LLC has established itself as one of the areas' most prestigious surveying firms.

### Green & Associates, LLC Services

- Well Pad Plats / Unit Surveys
- Well Pad & Horizontal Boundary Surveying
- Ohio DNR Permitting
- Well Pad Design & layout
- Well Pad As-Built Certifications
- Establishment of Water Line for Drilling Projects
- Sub-Division Design & Layout
- Property Boundary Surveying
- Topographical Surveys
- RTK GPS Surveying
- Construction Stake-Outs
- Drone Aerial Flight Surveys & Photos



S & S Engineers, Inc.  
SOQ for WVDEP  
2021 Design Group A Projects

New River Engineering, Inc.



## SCOPE OF WORK

West Virginia Department of Environmental Protection (WVDEP), Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML) ("Agency"), from qualified firms to provide architectural/engineering services as defined herein.

The mission or purpose of the Group of Projects (as listed below 1 through 4) for which bids are being solicited is to provide the subsequent design services for each; including but not limited to (as may be applicable to each project):

- 1)Clarksburg (Hill) Landslide project
- 2)Fairfield Highwall project
- 3)Green Valley Road (Laughlin) Landslide project
- 4)Skidmore Site (Canyon Mine) Maintenance project
  - Perform Site and Geotechnical Investigations
  - Design temporary and permanent access or accesses for construction and future maintenance.
  - Design to stabilize landslides.
  - Design multiple portal seals and regrades.
  - Design of highwall reclamation.
  - Design to repair or replace existing drainage structures/systems.
  - Design to mitigate AMD drainage, including possible horizontal borings.
  - Design reclamation of exposed mine spoil and refuse.
  - Design of drainage conveyances, including drainage channels, underdrains, and/or other controls to safely convey water off-site.
  - Condition and revegetate all disturbed areas.

We will provide any other services required by the WVDEP for the implementation of current projects.



## PLAN OF APPROACH

S & S Engineers, Inc. (S & S) and New River Engineering Inc. (NREI) are fully aware of the WVDEP's 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. The following below is a draft approach from project conception through project completion of the services S & S and NREI can provide.

S & S and NREI believes in a team approach for the development of projects. Therefore, our first task will be to meet with WVDEP officials to review existing data, reports, etc., and to ascertain the need of the specific project. Following data gathering, We will then evaluate alternatives and develop a cost-effective proposal that meets existing and future needs of a specific project. Throughout the process, Region 4 PDC officials will be kept informed and involved in all important matters.

S & S and NREI will assist the WVDEP 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 WVDEP 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 WVDEP personnel, and regulatory and funding agencies.

## PRELIMINARY ENVIRONMENTAL ASSESSEMNT REPORT

Our next task will be the preparation of a Preliminary Environmental Assessment Report. 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 Site
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 WVDEP 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 County officials. Important data sources include, but are not limited to the following:
    - i. WV Department of Environmental Protection
    - ii. USDA Rural Development
    - iii. Soil Conservation Service
    - iv. U.S. Army Corps of Engineers
    - v. Local Citizens and Groups
2. Identify Project Work
  - a. Evaluate existing data, reports and design drawings, if available
  - b. Evaluate existing site
  - c. Evaluate environmental aspects
  - d. Summarize existing problems and make presentation
3. Preliminary Design
  - a. Preliminary layout of proposed project
  - b. Land surveys for mapping, rights-of-way, and / or land acquisitions
  - c. Coordination with the WVDEP, USDA-RD, etc.
  - d. Preliminary Cost Estimates
  - e. Preliminary review with the WVDEP
4. Final Design
  - a. Incorporate review comments from the WVDEP, USDA-RD, WVDOH, 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 WVDEP, WVDOH, 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 WVDEP 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 WVDEP 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 WVDEP for completed construction contracts
  - i. Review original drawings and provide to the WVDEP a digital copy on disk and two (2) sets of black line prints of "as-built" plans
  - j. Advise the WVDEP whether the project can meet the project performance standards
  - k. Attend monthly meetings during the construction period
  - l. Represent the WVDEP in technical matters and litigation, if required
  - m. Provide engineering services during start-up of the facility
  - n. Provide training to WVDEP 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 County that the completed project will conform to the requirements of the contract documents
  - c. Make general monthly construction progress reports to the WVDEP



- 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 WVDEP 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 WVDEP 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 WVDEP 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:
    - i. Observe the installation of approved materials and equipment and construction techniques and procedures in accordance with contract documents
    - ii. Aid in public relations activities as the construction progresses through private property
    - iii. Monitor the construction schedule and report conditions which may cause delay in completion
    - iv. Review contract documents with the contractor's superintendent
    - v. Obtain necessary interpretations and transmit them to the contractor
    - vi. Consider the contractor's suggestions and recommendations, evaluate them and submit them with recommendations for a final decision
    - vii. Attend field meetings as directed and report on the proceedings
    - viii. Observe tests required by the contract documents, and record and report test procedures and, where applicable, the results
    - ix. 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
    - x. 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
- xi. Review applications for payment submitted by the contractor and forward them with recommendations for disposition
  - xii. Prepare a punch list as construction nears completion and inform contractor of items on punch list
  - xiii. 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 connection with existing utilities
- 2. Attendance at Public Meetings to represent the WVDEP on technical matters
- 3. Attendance at Technical Meetings with the WVDEP, USDA-RD, etc.
- 4. Furnish technical assistance to the accountant and legal staff
- 5. Provide technical testimony before courts and / or administrative hearings related to the project



## PROJECT EXPERIENCE

### 1. Coonskin Park Flood Repairs, Kanawha County, WV

- **Description:** Planning, design, and construction management of 160 LF of H-Pile wall, a 40 LF H-Pile wall, Replacement of three 18" culverts, Paving of approx. 2,800 LF of Elk River Trail, and Replacement of 105 LF of 36" HDPE storm pipe. Project cost of approx. \$1.85 million.



### 2. Blue Creek Slip Repairs, Kanawha County, WV

- **Description:** Previous pipeline construction resulted in a slip adjacent to Blue Creek Road in Elkview, WV. S & S/NREI was tasked to monitor the slope mitigation project from start to finish and complete weekly progress reports for the clients.

### 3. Cross Lanes Radio Tower Slip Repair, Kanawha County, WV

- **Description:** Planning, design, and construction management of 50 LF of H-Pile wall, 25 LF H-Pile wall, and approx. 210 LF of rock lined drainage ditch to repair slips under a radio tower building and guy wire structures for the tower.

### 4. Chapmanville Radio Tower Slip Repair, Logan County, WV

- **Description:** Planning, design, and construction management of three H-Pile walls to repair slips under a radio tower building and guy wire structures for the towers.

### 5. Thomas Hospital, Kanawha County, WV

- **Description:** Approximately 25 Phase 1 Environmental Site Assessment's (ESA) for various properties belonging to Thomas Health System in the Charleston, WV area. The scope of work was to identify recognized environmental conditions (REC).



## PROJECT EXPERIENCE

### 8. Putnam County Broad Band, Putnam County, WV

- **Description:** Planning, design, and construction management of a Broadband Loop System  
**Funding Source:** CWSRF  
**Project Status:** Ongoing

### 9. 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. Environmental assessment performed for construction of pump stations.  
**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

### 10. Town of Fort Gay, Wayne County, WV

- **Description:** Planning, design, and construction management of replacement of 9,000 feet of gravity sewer mains, rehabilitation/upgrades to seven (7) pump stations and replacement of the existing wastewater treatment lagoon with a 100,000 gpd packaged treatment plant. Project included a Sewer System Evaluation Study with smoke testing and video inspection, coordinated with Underwater Services Ltd., of approximately 3 miles of gravity sewer lines from 6 inch to 10 inch in diameter and 85 manholes. Environmental assessment for treatment plant.

### 11. (CWVRAA) Yeager Airport, Kanawha County, WV

- **Description:** Planning and design of storm sewer improvements for the air field area at Yeager Airport. Coordination with Underwater Services Ltd. for video inspection services of approximately 6 miles of storm sewer pipes from 6 inch up to 36 inch in diameter.  
**Project Cost:** \$3,450,000  
**Project Status:** Completed 2019



## FUNDING

S & S and NREI will assist WVDEP in preparation and submission of any grant / loan funding applications needed



S & S Engineers, Inc.  
SOQ for WVDEP  
2021 Design Group A Projects

New River Engineering, Inc.



## 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 (S&S) / Principal Engineer
Christopher D. Burford Email: cburford@nrei-wv.com	Chief Operating Officer (S&S)/ President (NREI)
D. Matt Shelton Email: dms@s-s-eng.com	Vice President (S&S) / 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	Vice President (NREI) / Sr. Engineer/ Surveyor
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: wqh@s-s-eng.com	Project Manager / Engineer





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New River Engineering, Inc.



## RESUMES OF KEY PERSONNEL



**Jessie O. Parker, Jr., P.E.**  
**President / Senior Engineer**  
**S & S Engineers, Inc.**

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 (MD)  
Professional Engineer (NC)  
Professional Engineer (SC)  
Professional Engineer (PA)  
Professional Engineer (TN)

### **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**  
**COO / Project Manager: S & S Engineers, Inc.**  
**President: New River Engineering, Inc.**  
**Green and Associates, LLC**  
**New River Safety, LLC**  
**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 oversees Surface and Underground Mining Permit Applications, is the Manager of Surveying Crews, manages State and Federal Safety Plans and Permits, oversees Construction Oversight & Construction Management, and Mine Planning.

Green and Associates, LLC, St. Clairsville OH – manager and supervisor of survey crews and office personnel, business development, and coordination with clients on various projects.

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

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.

**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





**D. Matt Shelton**  
**Vice President / Project Manager**  
**S & S Engineers, Inc.**  
**New River Engineering, Inc.**  
**Green and Associates, LLC**

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.**  
**New River Engineering, Inc.**  
**Green and Associates, LLC**

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 co-ordination. 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



S & S Engineers, Inc.  
SOQ for WVDEP  
2021 Design Group A Projects

New River Engineering, Inc.





**Ashok M. Sanghavi, P.E., DEE, QEP**  
**Senior Engineer / Quality Control Officer**  
**S & S Engineers, Inc.**

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**

**Master of Science**

Civil Engineering  
West Virginia University  
May 1970

Partial Course work for Ph.D.

**CERTIFICATIONS**

Professional Engineer (WV)

Diplomate - American Academy of Environmental Engineers

Qualified Environmental Professional, IPEP

**PROFESSIONAL AFFILIATIONS**

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

**AWARDS**

Arthur Sidney Bedell Award,  
Water Environment Federation, 1993





**Charles "Chuck" Kurzyna, P.E., P.S.**  
**Senior Engineer / Senior Surveyor**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**  
**Green and Associates, LLC**  
**New River Safety, LLC**  
**Ellison Ridge Mining, LLC**

Former President and Principal Owner of New River Engineering Inc., established in 1998. New River Engineering has been performing surveying and engineering for the coalmining 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.

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 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.

**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





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

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

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 (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 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.**  
**New River Engineering, Inc.**  
**Green and Associates, LLC**

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**

### **Bachelor 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



S & S Engineers, Inc.  
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2021 Design Group A Projects

New River Engineering, Inc.





**John Michael "Mike" Green, P.S.**  
**Senior Surveyor**  
**Green and Associates, LLC**  
**New River Engineering, Inc.**  
**S & S Engineers, Inc.**

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

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 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



S & S Engineers, Inc.  
SOQ for WVDEP  
2021 Design Group A Projects

New River Engineering, Inc.





**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.

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

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.

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.

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.

## 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





**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.

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.

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.

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.

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

### **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



information on seam splits. Advised Division Resident Engineer on survey crew needs and supervised company crew when on job site.

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.

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.

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.

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.





**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.

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.

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.

Oil and Gas site construction—obtain needed permits for wells, baseline water testing, road use maintenance agreements with County Engineers and Townships, road entrances 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, landowners, and associations. Project scheduling and budget tracking.

## 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  
WV Oil and Gas Association



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 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.

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





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

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.

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

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

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**

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.

Osmose 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





**Robert D. Cuthbert, III**  
**GIS Analyst**  
**S & S Engineers, Inc.**  
**New River Engineering, Inc.**  
**Green and Associates, LLC**

S & S Engineers, Inc., since April 2019, as a GIS Analyst to set up and work on various GIS projects as the science becomes more relevant to civil engineering. Mr. Cuthbert has experience creating city-scale datasets, managing new data entries, creating professional-grade maps, and surveying for municipalities and small-scale projects. This experience includes wastewater mapping, project site mapping, and organizing survey data for use in GIS and CAD applications.

Mr. Cuthbert plans to expand the use of GIS within S & S to assist with surveying, project planning and design, and large-scale datasets.

## **EDUCATION**

### **Bachelor of Arts**

Geography (Emphasis: GIS)  
West Virginia University  
December 2018



## 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

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



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OUR TEAMING PARTNERS



Tempo Construction, LLC



Larson Design Group®

Larson Design Group



American Geotech, Inc.



Carr Excavating



Allstar Ecology



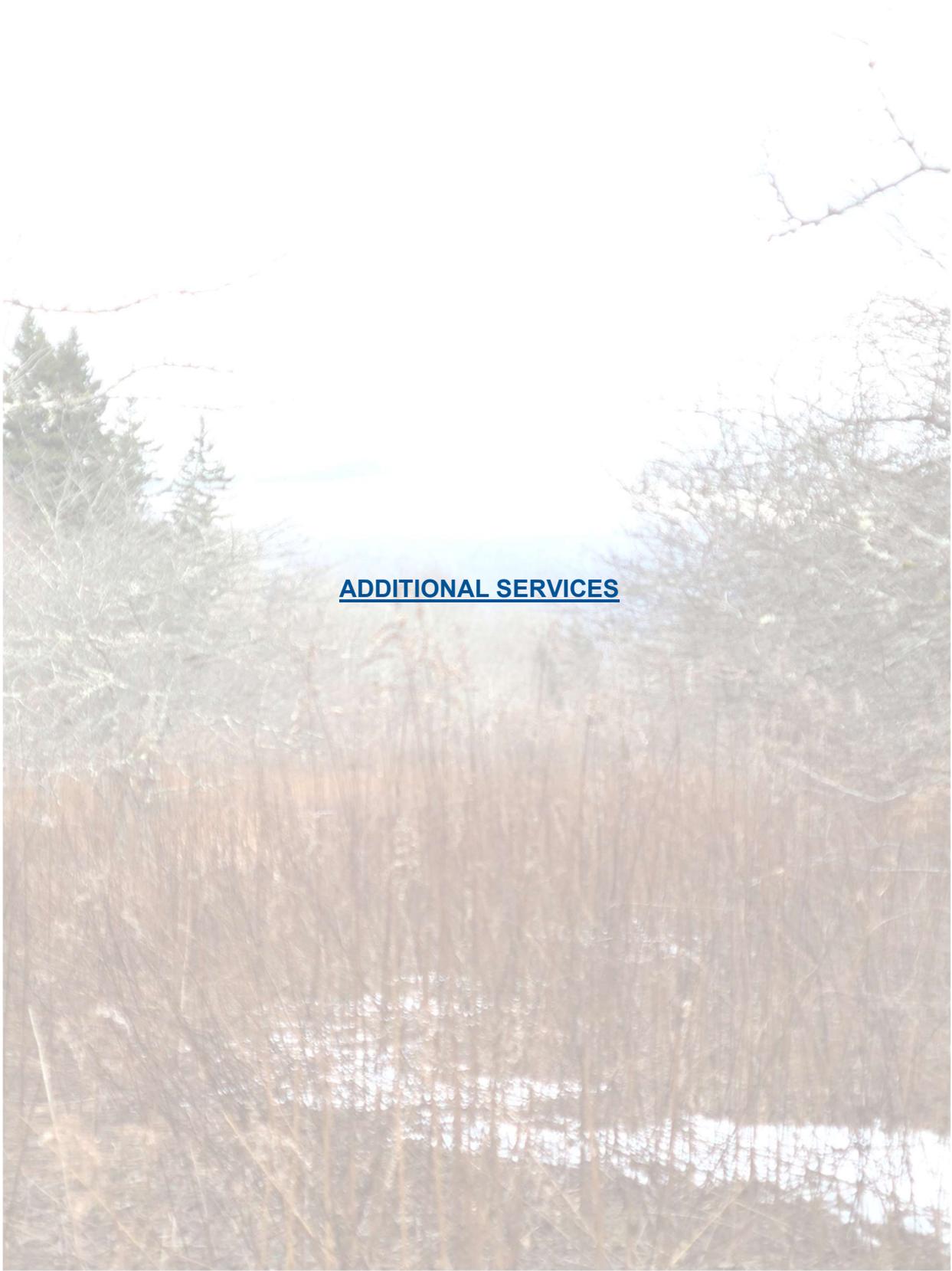
Airport Design Consultants, Inc.



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**ADDITIONAL SERVICES**



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# 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.



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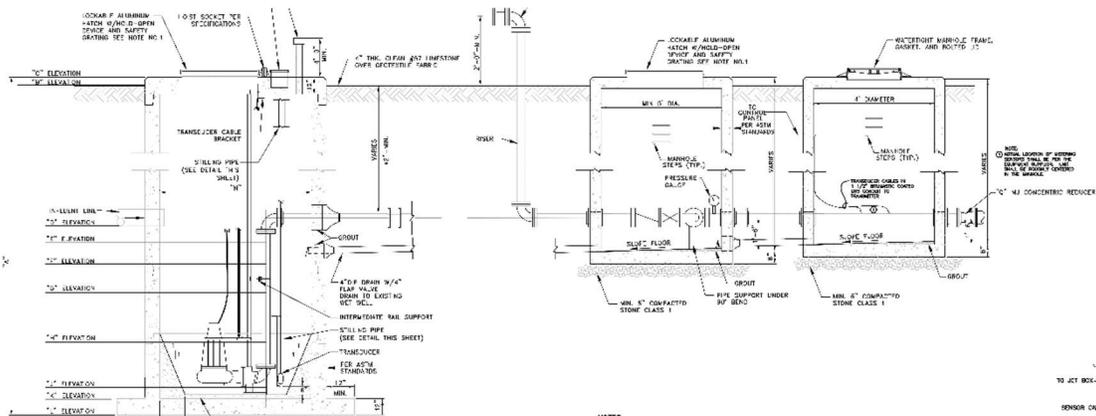
New River Engineering, Inc.



# 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



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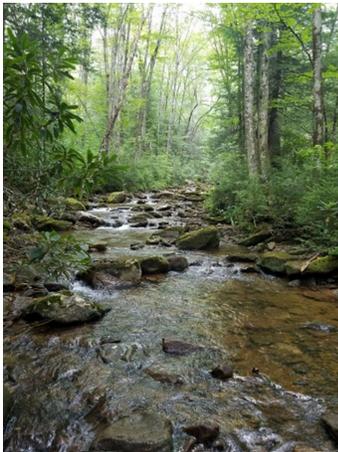


# Environmental Permitting

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) Planning



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# 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



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New River Engineering, Inc.



# 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
- GPS Services
- Aerial Mapping / Control
- Drone Flight & Surveying
- Topographical Surveys
- ALTA / ACSM Land Title Surveys
- Unit Surveys
- Surface Mining Surveying
- Computer Mapping
- 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



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New River Engineering, Inc.



# 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



S & S Engineers, Inc.  
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New River Engineering, Inc.



# 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

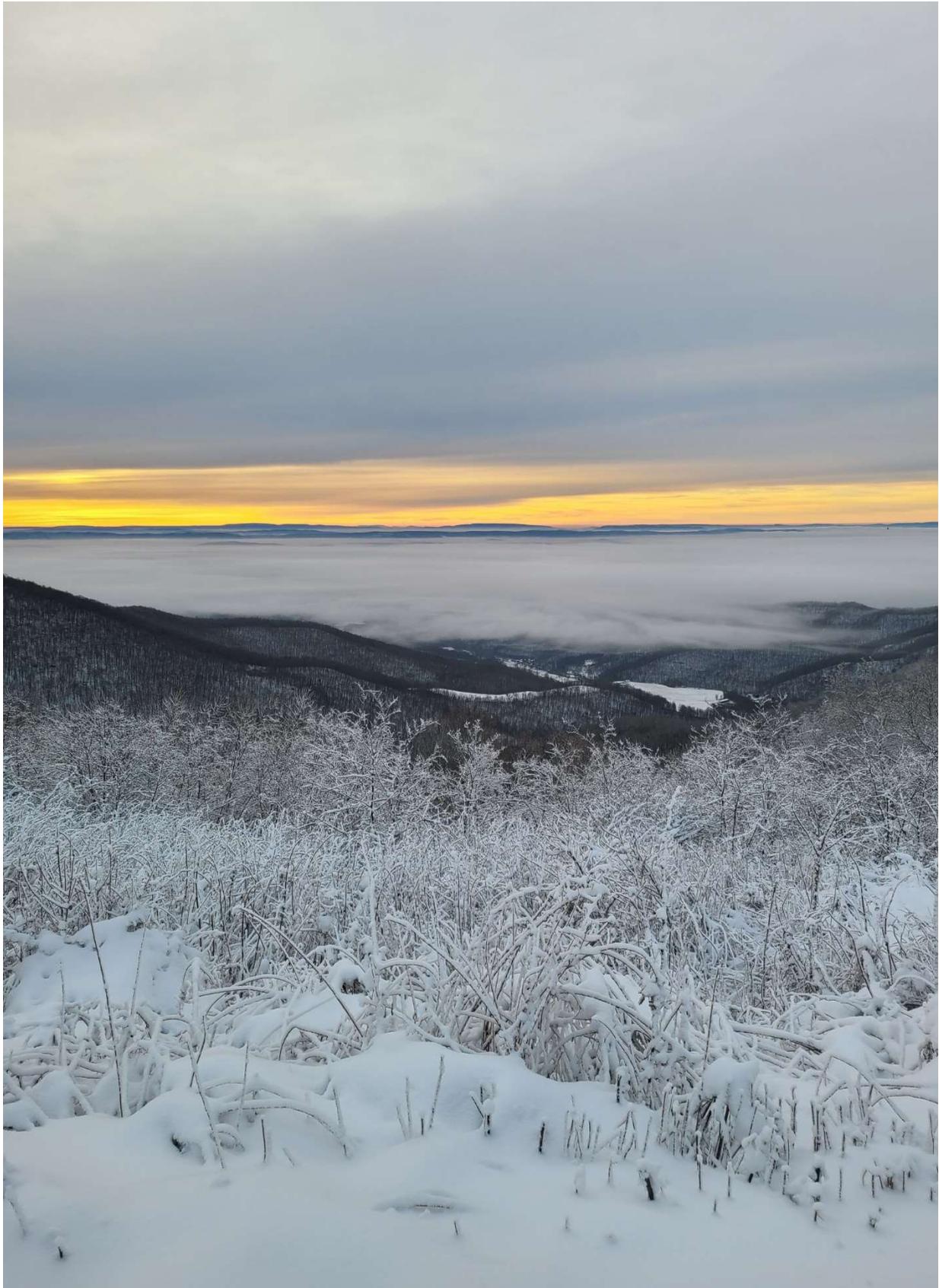
- West Virginia Infrastructure and Jobs Development Council (WV IJDC)
- West Virginia Water Development Authority (WV WDA)
- West Virginia Bureau of Public Health - Drinking Water Treatment Revolving Fund (WV BPH-DWTRF)
- West Virginia Department of Environmental Protection - Clean Water State Revolving 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 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.





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