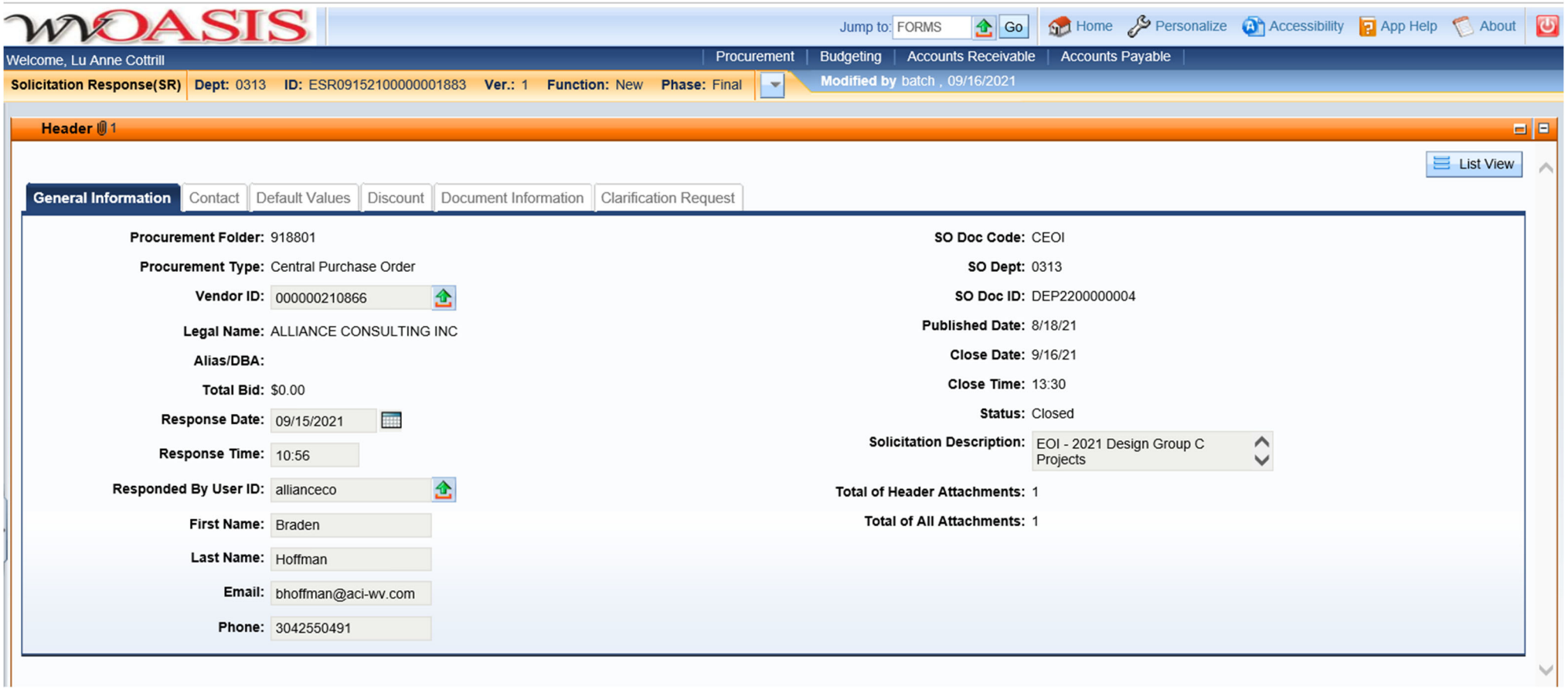


The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency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


wvOASIS
Jump to: FORMS Go
Home
Personalize
Accessibility
App Help
About
Welcome, Lu Anne Cottrill
Procurement
Budgeting
Accounts Receivable
Accounts Payable
Solicitation Response(SR) Dept: 0313 ID: ESR09152100000001883 Ver.: 1 Function: New Phase: Final
Modified by batch , 09/16/2021
Header 1
List View
General Information
Contact
Default Values
Discount
Document Information
Clarification Request
Procurement Folder: 918801
Procurement Type: Central Purchase Order
Vendor ID: 000000210866
Legal Name: ALLIANCE CONSULTING INC
Alias/DBA:
Total Bid: $0.00
Response Date: 09/15/2021
Response Time: 10:56
Responded By User ID: allianceco
First Name: Braden
Last Name: Hoffman
Email: bhoffman@aci-wv.com
Phone: 3042550491
SO Doc Code: CEOI
SO Dept: 0313
SO Doc ID: DEP2200000004
Published Date: 8/18/21
Close Date: 9/16/21
Close Time: 13:30
Status: Closed
Solicitation Description: EOI - 2021 Design Group C 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:	918801
Solicitation Description:	EOI - 2021 Design Group C Projects
Proc Type:	Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-09-16 13:30	SR 0313 ESR09152100000001883	1

VENDOR

000000210866
ALLIANCE CONSULTING INC

Solicitation Number: CEOI 0313 DEP2200000004

Total Bid: 0 **Response Date:** 2021-09-15 **Response Time:** 10:56:30

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 - Flatbush Highwall				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

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 - Fords Run Drainage				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

*Dates of Service are estimated for bidding purposes only.

Alliance Consulting, Inc.

Engineers • Constructors • Scientists

SEALED BID: EOI - 2021 Design Group C Projects
BUYER: Josh Hager
SOLICITATION NO.: CEOI 0313 DEP2200000004
BID OPENING DATE: 09/16/2021
BID OPENING TIME: 1:30 PM ET
FAX NUMBER: 304-558-3970

Beckley, WV

Raleigh County Airport Industrial Park
124 Philpott Lane
Beaver, WV 25813-9502
Telephone: (304) 255-0491
Fax: (304) 255-4232

Canonsburg, PA

3 Four Coins Drive, Ste. 100
Canonsburg, PA 15317
Telephone: (724) 745-3630
Fax: (724) 745-3631

Alliance Consulting, Inc.
Engineers · Constructors · Scientists

September 15, 2021

DEPARTMENT OF ADMINISTRATION
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Transmittal
Expression of Interest
Engineering Design Services
EOI - 2021 Design Group C Projects
Solicitation No. CEOI 0313 DEP2200000004
Randolph and Barbour Counties, West Virginia

To whom it may concern:

The package herein is in response to the Expression of Interest (EOI) issued August 18, 2021 for the EOI - 2021 Design Group C Projects. Please find enclosed the EOI forms and Expression of Interest Document for Alliance Consulting, Inc. for consideration.

If you have any questions or require additional information, please let us know.

Respectfully submitted,

ALLIANCE CONSULTING, INC.

Claudio E. Yon, P.E.
President

CEY:kjs

124 Philpott Lane • Raleigh County Airport Industrial Park • Beaver, WV 25813-9502 • TELE: (304) 255-0491 • FAX (304) 255-4232

Alliance Consulting, Inc.
Engineers Constructors Scientists

EXPRESSION OF INTEREST DOCUMENT
SOLICITATION NO.: CEOI 0313 DEP2200000004

CONTENTS

STATE OF WEST VIRGINIA – PURCHASE DIVISION DOCUMENTS

1. Centralized Expression of Interest Form
2. Solicitation/Expression of Interest Document and Certification

PROJECT SPECIFICATIONS DOCUMENTS

3. Background
4. Project and Goals
5. Qualifications, Experience, and Past Performance
    - Attachment "A" - West Virginia Department of Environmental Protection AML Consultant Qualification Questionnaire (CQQ)
    - Attachment "B" - AML and Related Project Experience Matrix (RPEM)
    - Attachment "C" - Resumes for Key Staff Members
6. Oral Presentations/Interviews

VENDOR ADMINISTRATIVE INFORMATION

7. Vendor Identification Number & Licenses
8. Federal Employee Identification Number
9. Proof of Workers Compensation Coverage
10. Proof of Professional Liability Insurance

Beckley, WV
Raleigh County Airport Industrial Park, 124 Philpott Lane
Beaver, WV 25813-9502
Telephone: (304) 255-0491

STATE OF WEST VIRGINIA – PURCHASE DIVISION DOCUMENTS

Solicitation No.: CEOI 0313 DEP2200000004

1. CENTRALIZED EXPRESSION OF INTEREST FORM

The Centralized Expression of Interest Form is included on the pages that follow.

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

Proc Folder: 918801
Doc Description: EOI - 2021 Design Group C Projects
Proc Type: Central Purchase Order

Reason for Modification:

Date Issued	Solicitation Closes	Solicitation No	Version
2021-08-18	2021-09-16 13:30	CEOI 0313 DEP2200000004	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000210866
Vendor Name : Alliance Consulting, Inc.
Address : 124 Philpott Lane
Street : 124 Philpott Lane
City : Beaver
State : WV **Country :** US **Zip :** 25813
Principal Contact : Claudio E. Yon
Vendor Contact Phone: 304-255-0491 **Extension:** 114

FOR INFORMATION CONTACT THE BUYER
Joseph E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X Claudio E. Yon **FEIN#** 55-0778450 **DATE** 9/15/21

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 and 2) 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)Flatbush Highwall project
2)Fords Run Drainage project

.Perform Site and Geotechnical Investigations
.Design temporary and permanent access or accesses for construction and future maintenance, and active treatment site access.
.Design to repair drainageway through exposed and heavily scoured refuse to convey runoff.
.Design replacement drainage structure to convey Fords Run through the site.
.Design to repair or replace existing drainage structures.
.Design highway relocation, if required.
.Design to mitigate exposed refuse.
.Locate onsite borrow material to cover exposed refuse.
.Design to stabilize landslides, if required.
.Design of highwall reclamation.
.Design to mitigate AMD drainage, including possible horizontal borings.
.Design to mitigate AMD impacted ponded area and drainage.

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 - Flatbush 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
2	EOI Engineering Design Services - Fords Run Drainage		

Comm Code	Manufacturer	Specification	Model #
81100000			

Extended Description:
*Dates of Service are estimated for bidding purposes only.

SCHEDULE OF EVENTS

Line	Event	Event Date

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

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

Proc Folder:	918801
Doc Description:	EOI - 2021 Design Group C Projects
Proc Type:	Central Purchase Order
Reason for Modification:	

Date Issued	Solicitation Closes	Solicitation No	Version
2021-08-18	2021-09-16 13:30	CEOI 0313 DEP2200000004	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000210866

Vendor Name : Alliance Consulting, Inc.

Address : 124 Philpott Lane

Street : 124 Philpott Lane

City : Beaver

State : WV **Country :** US **Zip :** 25813

Principal Contact : Claudio E. Yon

Vendor Contact Phone: 304-255-0491 **Extension:** 114

FOR INFORMATION CONTACT THE BUYER

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

Vendor Signature X Claudio E. Yon **FEIN#** 55-0778450 **DATE** 9/15/21

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 and 2) 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)Flatbush Highwall project
2)Fords Run Drainage project

.Perform Site and Geotechnical Investigations
.Design temporary and permanent access or accesses for construction and future maintenance, and active treatment site access.
.Design to repair drainageway through exposed and heavily scoured refuse to convey runoff.
.Design replacement drainage structure to convey Fords Run through the site.
.Design to repair or replace existing drainage structures.
.Design highway relocation, if required.
.Design to mitigate exposed refuse.
.Locate onsite borrow material to cover exposed refuse.
.Design to stabilize landslides, if required.
.Design of highwall reclamation.
.Design to mitigate AMD drainage, including possible horizontal borings.
.Design to mitigate AMD impacted ponded area and drainage.

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 - Flatbush 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
2	EOI Engineering Design Services - Fords Run Drainage		

Comm Code	Manufacturer	Specification	Model #
81100000			

Extended Description:
*Dates of Service are estimated for bidding purposes only.

SCHEDULE OF EVENTS

Line	Event	Event Date

2. SOLICITATION/EXPRESSION OF INTEREST DOCUMENT AND CERTIFICATION

The Solicitation/Expression of Interest Document and Certification is included on the pages that follow.

EXPRESSION OF INTEREST

2021 Design Group C Projects

Disclaimer: Effective July 1, 2020, the Purchasing Division will accept electronic proposals for Expressions of Interest via the Vendor Self-Service portal within wvOASIS. Paper submissions after this date are still acceptable.

TABLE OF CONTENTS:

1. **Table of Contents**
2. **Section One: General Information**
3. **Section Two: Instructions to Vendors Submitting Bids**
4. **Section Three: Project Specifications**
5. **Section Four: Vendor Proposal, Evaluation, and Award**
6. **Section Five: Terms and Conditions**
7. **Certification and Signature Page**

SECTION ONE: GENERAL INFORMATION

1. **PURPOSE:** 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.

2. **PROJECTS:** The mission or purpose of the Group of Projects (as listed below 1 and 2) 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) Flatbush Highwall project
   2) Fords Run Drainage project

   - Perform Site and Geotechnical Investigations
   - Design temporary and permanent access or accesses for construction and future maintenance, and active treatment site access.
   - Design to repair drainageway through exposed and heavily scoured refuse to convey runoff.
   - Design replacement drainage structure to convey Fords Run through the site.
   - Design to repair or replace existing drainage structures.

- Design highway relocation, if required.
- Design to mitigate exposed refuse.
- Locate onsite borrow material to cover exposed refuse.
- Design to stabilize landslides, if required.
- Design of highwall reclamation.
- Design to mitigate AMD drainage, including possible horizontal borings.
- Design to mitigate AMD impacted ponded area and drainage.
- 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.

3. SCHEDULE OF EVENTS:

Release of the EOI	08/18/2021
Written Questions Submission Deadline.	09/09/2021
Addendum Issued	TBD
Expressions of Interest Opening Date	09/16/2021
Evaluation Committee List of Three Highest Qualified Firms Provided	TBD
Estimated Date for Interviews of Three Firms	TBD
Price Negotiations Commence with Highest Ranked Firm	TBD

EXPRESSION OF INTEREST

2021 Design Group C Projects

SECTION TWO: INSTRUCTIONS TO VENDORS SUBMITTING BIDS

Instructions begin on the next page.

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

☑ A pre-bid meeting will not be held prior to bid opening

☐ A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting

are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: 09/09/2021 @ 4:00 PM ET

Submit Questions to: Josh Hager
2019 Washington Street, East
Charleston, WV 25305
Email: Joseph.E.HagerIII@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID: EOI 2021 Design Group C Projects
BUYER: Josh Hager
SOLICITATION NO.: CEOI 0313 DEP2200000004
BID OPENING DATE: See next page
BID OPENING TIME: See next page
FAX NUMBER: 304-558-3970

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to a Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal prior to the bid opening date and time identified in Section 7 below, plus NA convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should clearly identify and segregate the cost proposal from the technical proposal in a separately sealed envelope.

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: 9/16/2021 @ 1:30 PM ET

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, 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.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

☐ This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the $125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at:
http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference

for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform or lacks the integrity and reliability to assure good-faith performance."

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b."

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

22. INTERESTED PARTY DISCLOSURE: West Virginia Code § 6D-1-2 requires that the vendor submit to the Purchasing Division a disclosure of interested parties to the contract for all contracts with an actual or estimated value of at least $1 million. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission prior to contract award.

A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

23. WITH THE BID REQUIREMENTS: In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.6. This authority does not apply to instances where state law mandates receipt with the bid.

24. E-MAIL NOTIFICATION OF AWARD: The Purchasing Division will attempt to provide bidders with e-mail notification of contract award when a solicitation that the bidder participated in has been awarded. For notification purposes, bidders must provide the Purchasing Division with a valid email address in the bid response. Bidders may also monitor wvOASIS or the Purchasing Division's website to determine when a contract has been awarded.

EXPRESSION OF INTEREST

2021 Design Group C Projects

SECTION THREE: PROJECT SPECIFICATIONS

1. **Background:** Firms are to be licensed Architectural/Engineering Firms (A/E) in the State of West Virginia and should be familiar with and have successful track record of design of similar projects. The anticipated contract will be for "full service" A/E design. Aspects of the design are to include, but not be limited to; Civil, Geological and Hydrological.

   The successful A/E Firm will be responsible for Design of the following (as may be applicable for each of the Projects as listed in Section Two):

   - Access or accesses as required.
   - Geotechnical investigation and analyses.
   - Landslide Stabilization(s).
   - Hydrologic and hydraulic analyses.
   - Clear and grub affected areas.
   - Regrade as necessary.
   - Install drainage channels, underdrains, and/or other controls to safely convey water off-site.
   - Condition and revegetate all disturbed areas.
   - Obtain required permits as determined at the Pre-Design Meeting.

   Preliminary design documents will be due 90 days from the issuance of the Purchase Order, unless specified otherwise during the Pre-Design Meeting.

   Locations: The Projects are located in Randolph and Barbour Counties.

   Project 1: Flatbush Highwall is located off County Route 151 between Ellamore and Norton in Randolph County, WV, and is for the reclamation of the existing highwall and the previously constructed AMD ponded area.

   Project 2: Fords Run Drainage is located off County Route 24/2 east of Philippi in Barbour County, WV, and is for the repair and replacement of existing AML reclamation features and facilities and mitigation of failing structures and grading.

   The Sites are around multiple residences, or on gated private property; potential vendors are not to show up on occupied residences. A site visit will be performed with the Highest Scoring Vendor during the Negotiation Phase of this solicitation.

EXPRESSION OF INTEREST

2021 Design Group C Projects

2. **Projects and Goals:** The project goals and objectives include but are not limited to that as listed below. Vendors should discuss any anticipated concepts and proposed methods of approach for achieving each of the listed goals and objectives:

   2.1. Develop construction plans and technical specifications to stabilize the landslide, and design new drainage features and structures if the existing structures are unable to be repaired or replaced.

   2.2. Design plans and develop specifications to control any associated water with the site.

   2.3. Design plans and develop specifications for limits of disturbance, storm water control and erosion and sediment prevention. All disturbed areas are to be regraded and revegetated.

   2.4. Design plans and develop specifications for all conditions encountered on the project sites.

3. **Qualifications, Experience, and Past Performance:** Vendors should provide information regarding its employees, such as staff qualifications and experience in completing similar projects; references; copies of any staff certifications or degrees applicable to this project; proposed staffing plan; descriptions of past projects completed entailing the location of the project, project manager name and contact information, type of project, and the project goals and objectives and how they were met.

   The response should be presented in concise format which defines the corporation history and the experience, qualifications, and performance data of the firm's staff as requested by the AML Consultant Qualification Questionnaire (CQQ), Attachment "A" and the AML and Related Project Experience Matrix (RPEM), Attachment "B".

   AML Consultant Qualification Questionnaire (CQQ) should be completed and submitted with Vendor's submitted response to be eligible (**See Attachment "A"**).
   AML and Related Project Experience Matrix (RPEM) should also be completed and submitted with Vendor's submitted response to be eligible (**See Attachment "B"**).

4. **Oral Presentations/Interviews:** The Agency will conduct individual interviews with the three vendors that are determined to be the most qualified to provide the required service. During oral presentations/interviews, vendors may not alter or add to their submitted

proposal, but only clarify information already submitted. A description of the materials and information to be presented is provided below:

4.1. Materials and Information Required at Oral Presentation/Interviews:

An Oral Presentation will be conducted with the three firms selected as the most qualified by the WVDEP Selection Committee. The Committee will schedule the interviews. The format for the interviews will be a 30-minute PowerPoint presentation consisting, at a minimum, of the following:

- Corporate/personnel experience as it relates to the project or projects
- Proposed project management plan
- Key personnel available for the proposed work
- Proposed subcontractors (mapping, geotechnical, etc.)
- Product quality control
- Project cost control
- Project Schedule

EXPRESSION OF INTEREST

2021 Design Group C Projects

SECTION FOUR: VENDOR PROPOSAL, EVALUATION, & AWARD

1. **Economy of Preparation:** EOIs should be prepared simply and economically, providing a straight-forward, concise description of the firm's abilities to satisfy the requirements and goals and objectives of the EOI. Emphasis should be placed on completeness and clarity of content. The response sections should be labeled for ease of evaluation.

2. **BIDS MUST NOT CONTAIN PRICE INFORMATION:** The State shall select the best value solution according to W. Va. Code §5G-1-3. In accordance with Code requirements, no "price" or "fee" information is permitted in the Vendor's EOI response.

3. **Evaluation and Award Process:** Expressions of Interest for projects estimated to cost $250,000 or more will be evaluated and awarded in accordance with W.Va. Code §5G-1-3. That Code section requires the following related to evaluation and award:

   3.1. Selection Committee Evaluation and Negotiation: A committee comprised of three to five representatives of the agency initiating the request shall:

   3.1.1. evaluate the statements of qualifications and performance data and other material submitted by the interested firms and select three firms which in their opinion are the best qualified to perform the desired service.

   3.1.2. conduct interviews with each of the three firms selected.

   3.1.3. rank the three selected firms in order of preference.

   3.1.4. and commence scope of service and price negotiations with the highest qualified professional firm.

   If negotiations are successful, the contract documents will be forwarded to the WV Purchasing Division for review and approval, and then to the WV Attorney General's office for review and approval as to form. Once approved, a formal contract will be issued to the Vendor.

   Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified at a fee determined to be fair and reasonable,

the agency will then commence negotiations with the second most qualified firm, and so on, until an agreement is reached, or the solicitation is cancelled.

3.2. **Three Firm Evaluation Rankings:** The Agency will evaluate the three firms that have been determined most qualified to perform the desired service. The evaluation criteria are defined in the Procurement Specifications section and based on a 100-point total score. Points shall be assigned based upon the Vendor's response to the evaluation criteria as follows:

• Qualifications, Experience, and Past Performance	(35) Points Possible
• Goals and Objectives: – Anticipated Concepts and Methods of Approach	(30) Points Possible
• Oral Interview	(35) Points Possible
Total	100

3.3 **Contractor Information Form (AVS):** Vendor must complete an AVS (Applicant Violator System) form to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement. This requirement applies to contractors and their sub-contractors and is found under OSMRE's regulations at 30 CFR 874.16. Vendor must sign and date it. Form must be completed within 30 days of award to be considered for award. The completion of the form will be requested by the Agency after evaluation and prior to award of the purchase order.

EXPRESSION OF INTEREST

2021 Design Group C Projects

SECTION FIVE: TERMS AND CONDITIONS

Terms and conditions begin on the next page.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or **"Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or **"Proposal"** means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or **"Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☐ **Term Contract**

Initial Contract Term: This Contract becomes effective on _____ and the initial contract term extends until _____.

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

☐ **Alternate Renewal Term** – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

☑ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within 1,095 (one thousand ninety-five) days.

☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for _____ year(s) thereafter.

☐ **One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

☐ **Other:** See attached _____

4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked in Section 3 above. If either "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☐ **Open End Contract:** Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

☑ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

☐ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute of breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

☐ **BID BOND (Construction Only):** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

☐ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award.

☐ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under $100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

☐ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

☐

☐

☐

☐

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section.

Vendor must maintain:

☑ **Commercial General Liability Insurance** in at least an amount of: $1,000,000.00 per occurrence.

☑ **Automobile Liability Insurance** in at least an amount of: $1,000,000.00 per occurrence.

☑ **Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: $1,000,000.00 per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

☐ **Commercial Crime and Third Party Fidelity Insurance** in an amount of: _____ per occurrence.

☐ **Cyber Liability Insurance** in an amount of: _____ per occurrence.

☐ **Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

☐ **Pollution Insurance** in an amount of: _____ per occurrence.

☐ **Aircraft Liability** in an amount of: _____ per occurrence.

☐

☐

☐

☐

Notwithstanding anything contained in this section to the contrary, the Director of the Purchasing Division reserves the right to waive the requirement that the State be named as an additional insured on one or more of the Vendor's insurance policies if the Director finds that doing so is in the State's best interest.

9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. [Reserved]

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

☐ _____ for _____.

☐ Liquidated Damages Contained in the Specifications.

☐ Liquidated Damages Are Not Included in this Contract.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence regarding all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

> **SUBCONTRACTOR COMPLIANCE:** Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/default.html.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. PURCHASING AFFIDAVIT: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

38. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

39. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

☑ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.

40. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.

b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process.

c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars ($2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars ($50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least $1 million, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

44. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

45. VOID CONTRACT CLAUSES – This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

ADDITIONAL TERMS AND CONDITIONS
(Architectural and Engineering Contracts Only)

1. PLAN AND DRAWING DISTRIBUTION: All plans and drawings must be completed and available for distribution at least five business days prior to a scheduled pre-bid meeting for the construction or other work related to the plans and drawings.

2. PROJECT ADDENDA REQUIREMENTS: The Architect/Engineer and/or Agency shall be required to abide by the following schedule in issuing construction project addenda. The Architect/Engineer shall prepare any addendum materials for which it is responsible, and a list of all vendors that have obtained drawings and specifications for the project. The Architect/Engineer shall then send a copy of the addendum materials and the list of vendors to the State Agency for which the contract is issued to allow the Agency to make any necessary modifications. The addendum and list shall then be forwarded to the Purchasing Division buyer by the Agency. The Purchasing Division buyer shall send the addendum to all interested vendors and, if necessary, extend the bid opening date. Any addendum should be received by the Purchasing Division at least fourteen (14) days prior to the bid opening date.

3. PRE-BID MEETING RESPONSIBILITIES: The Architect/Engineer shall be available to attend any pre-bid meeting for the construction or other work resulting from the plans, drawings, or specifications prepared by the Architect/Engineer.

4. AIA DOCUMENTS: All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the attached AIA documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein. The terms and conditions of this document shall prevail over anything contained in the AIA Documents or the Supplementary Conditions.

5. GREEN BUILDINGS MINIMUM ENERGY STANDARDS: In accordance with West Virginia Code § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

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.

President

(Name, Title)
Claudio E. Yon, President

(Printed Name and Title)
124 Philpott Lane, Beaver, WV 25813

(Address)
304-255-0491/304-255-4232

(Phone Number) / (Fax Number)
cyon@aci-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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

Alliance Consulting, Ind.

(Company)

President

(Authorized Signature) (Representative Name, Title)

Claudio E. Yon, President

(Printed Name and Title of Authorized Representative)

9/15/21

(Date)

304-255-0491/304-255-4232

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI 0313 DEP2200000003

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)

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5
- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ 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.

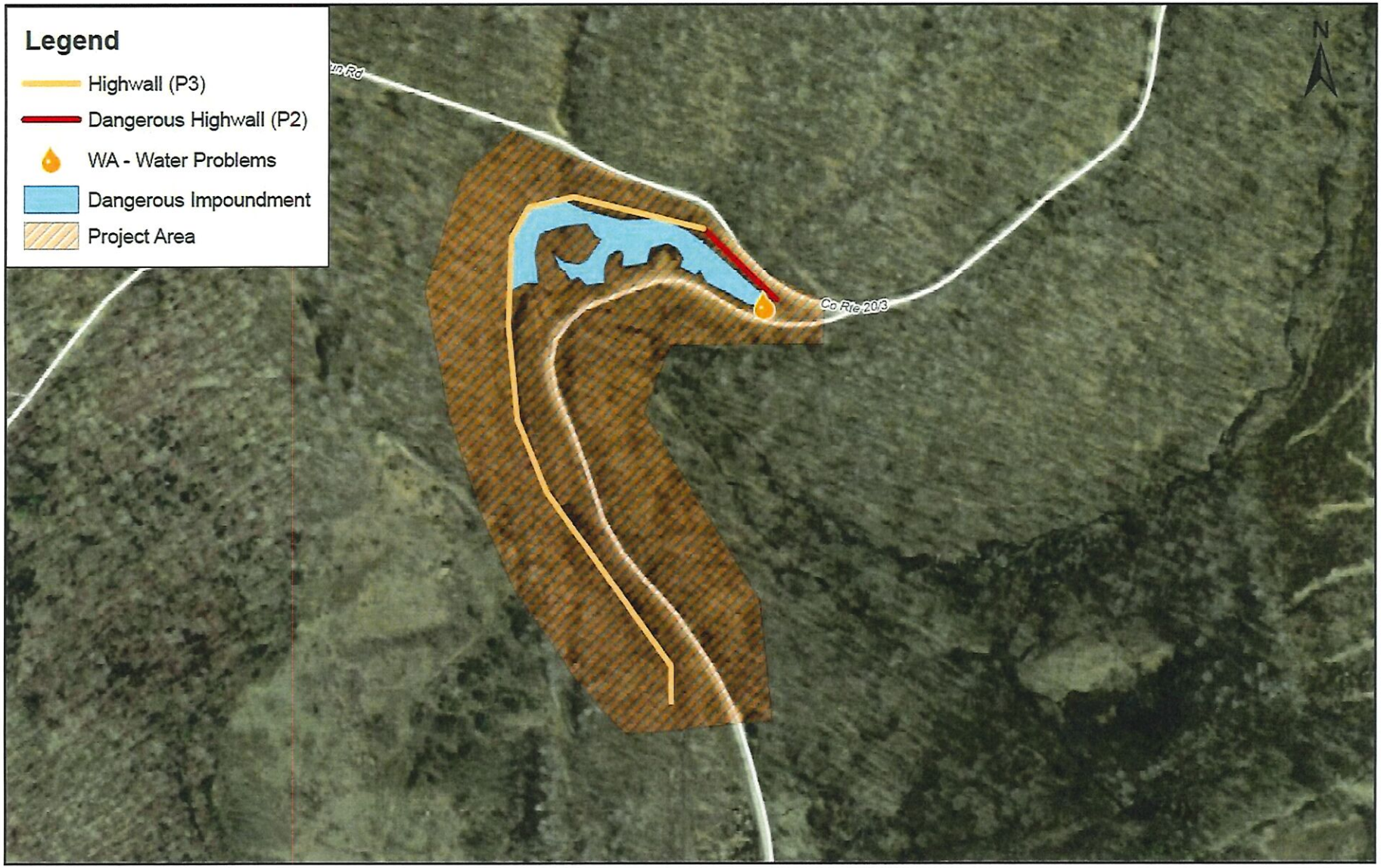
Alliance Consulting, Inc.
Company

Authorized Signature

9/15/21
Date

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

NEPA Area Map - Aerial Photograph
Flatbush Highwall, WV-2507



Ellamore Quadrangle
Latitude: Latitude: 38° 52' 49.81"

0 125 250 500 750 1,000
Feet

Randolph County
Longitude: 80° 2' 3.82"

Aerial Map
Fords Run Drainage; WV-6859



Philippi Quad
Latitude: 39° 09' 38.9"

Barbour County
Longitude: 80° 01' 09.4"

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 exceed 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: Alliance Consulting, Inc.

Authorized Signature: _____ Date: 9/15/2021

State of West Virginia

County of Raleigh, to-wit:

Taken, subscribed, and sworn to before me this 15th day of September, 2021.

My Commission expires February 22, 2023.

AFFIX SEAL HERE

NOTARY PUBLIC OFFICIAL SEAL
KELLY J SWEENEY
State of West Virginia
My Commission Expires
February 22, 2023
126 Redden Lane Beckley, WV 25801

NOTARY PUBLIC Kelly J Sweeney

West Virginia Ethics Commission

Disclosure of Interested Parties to Contracts

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

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

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

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

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

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

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

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

Revised June 8, 2018

West Virginia Ethics Commission

Disclosure of Interested Parties to Contracts

(Required by *W. Va. Code* § 6D-1-2)

Name of Contracting Business Entity: Alliance Consulting, Inc. **Address:** 124 Philpott Lane
Beaver, WV 25813

Name of Authorized Agent: Claudio E. Yon **Address:** same as above

Contract Number: CEOI 0313 DEP2200000003 **Contract Description:** EOI - 2021 Design Group B Projects

Governmental agency awarding contract: WVDEP-DLR-AML

☑ **Check here if this is a Supplemental Disclosure**

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

1. **Subcontractors or other entities performing work or service under the Contract**
   ☐ Check here if none, otherwise list entity/individual names below.

2. **Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**
   ☐ Check here if none, otherwise list entity/individual names below.

3. **Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**
   ☐ Check here if none, otherwise list entity/individual names below.

Signature: Claudio E. Yon Date Signed: 9/15/2021

Notary Verification

State of West Virginia, County of Raleigh:

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

Taken, sworn to and subscribed before me this 15th day of September, 2021.

Kelly J Sweeney
Notary Public's Signature

NOTARY PUBLIC OFFICIAL SEAL
KELLY J SWEENEY
State of West Virginia
My Commission Expires
February 22, 2023
126 Redden Lane Beckley, WV 25801

To be completed by State Agency:
Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____

Revised June 8, 2018

OMB # 1029-0119
Expiration Date: 10/31/2021

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:	Alliance Consulting, Inc.
Tax ID #:	55-0778450
Address:	124 Philpott Lane
City, State, & Zip:	Beaver, WV 25813
Phone Number:	304-255-0491
Email Address:	cyon@aci-wv.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, Claudio E. Yon, 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.

9/15/21	Claudio E. Yon	President
Date	Signature	Title

Part D: OFT Information

Contractor's Business Name: Alliance Consulting, 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:	Estate of Charles B. Gillian
Address:	124 Philpott Lane, Beaver, WV 25813
Begin Date:	1/1/2001
End Date:	
% Ownership:	86
Position/Title:	Senior Vice President
Phone Number:	304-255-0491

Name:	Claudio E. Yon, PE
Address:	124 Philpott Lane, Beaver, WV 25813
Begin Date:	1/1/2001
End Date:	
% Ownership:	
Position/Title:	President
Phone Number:	304-255-0491, x 114

Name:	Braden A. Hoffman
Address:	124 Philpott Lane, Beaver, WV 25813
Begin Date:	12/31/2020
End Date:	
% Ownership:	
Position/Title:	Vice President
Phone Number:	304-255-0491, x 146

Name:	Stephen C. Henderson
Address:	3 Four Coins Drive, Ste 100, Cannonsburg, PA 15317
Begin Date:	8/1/2021
End Date:	
% Ownership:	
Position/Title:	Vice President
Phone Number:	724-745-3630

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.

Guest
Help Logou

U.S. Department of the Interior
Office of Surface Mining Reclamation and Enforcement
Applicant/Violator System

Entities

Previous Search Entity Name Search Per Page

Entity Number: 251800
Last Name: Alliance Consulting Inc
*** First Name:**
Middle Name:
Alias:
Tax ID:
Memo:
Created: 6/13/2011
Updated: 6/13/2011
Source: michael.staples
Entity Type: Business
Locked: Y

Entity #	Entity Name	Suffix	First	Middle	Lock	Type	
251800	Alliance Consulting Inc				Y	Business	Select

Addresses | Relationships | Applications | Permits | Comments

Street	City	State	Zip	Phone	Source
124 Philpott Lane	Beaver	WV	25813	3042550491	michael.staples

Guest
Help Logou

U.S. Department of the Interior
Office of Surface Mining Reclamation and Enforcement
Applicant/Violator System

Entities

Previous Search Entity Name Search Per Page

Entity #	Entity Name	Suffix	First	Middle	Lock	Type	
251800	Alliance Consulting Inc				Y	Business	Select

Entity Number: 251800
Last Name: Alliance Consulting Inc
*** First Name:**
Middle Name:
Alias:
Tax ID:
Memo:
Created: 6/13/2011
Updated: 6/13/2011
Source: michael.staples
Entity Type: Business
Locked: Y

Addresses | Relationships | Applications | Permits | Comments

	Entity #	Parent Entity	Relationship	Entity #	Related Entity	First	% Own	Begin	End	Hold	Hold Source	Create	Update	Description	Source
☐	251800	Alliance Consulting Inc	Member	251796	All Con LLC		0.00	1/1/2001	4/1/2018	None		6/13/2011	5/7/2018		Lillian.Pick

PROJECT SPECIFICATION DOCUMENTS

Alliance Consulting, Inc. (Alliance) is submitting this Project Specifications response for the West Virginia Department of Environmental Protection (WVDEP) Abandoned Mine Lands' (AML) Expression of Interest (EOI) issued August 18, 2021 in order to provide professional services for the EOI - 2021 Design Group C Projects located in Randolph and Barbour Counties, WV. Alliance has the ability to prepare plans and specifications for use in the abatement of mining hazards to include subsidence, remediation, landslides, burning refuse sites, open portals, AMD treatment, highwall and surface mine reclamation, etc. Alliance is also a State authorized vendor, and will meet all other WVDEP requirements.

In order to meet the project specifications of the WVDEP for the AML Project, the following is included:

- Background
- Project and Goals
- Qualifications, Experience, and Past Performance
- Oral Presentations/Interviews

The following vendor information is being provided as it may be beneficial in the review and selection process:

- Vendor Identification Number & Licenses
- Federal Employee Identification Number
- Proof of Workers Compensation Coverage
- Proof of Professional Liability Insurance



3. BACKGROUND

Alliance Consulting, Inc. (Alliance) is a full service multi-disciplinary Civil, Solid Waste, Mining, and Environmental Engineering Consulting firm that was founded in 2001 by individuals with over 100 years of combined industry experience, dating back to 1975. At Alliance, we operate based on a philosophy that places our clients' needs paramount to our planning and business development. Additionally, in today's regulatory setting, we fully understand the need to balance environmental concerns and regulations with business realities. Since 2001, we have been providing a full range of engineering, environmental, field construction, testing and inspection, laboratory materials testing analysis, and permitting services to a variety of clients, including both private industry and the public sector, as well as private landowners. Our engineers, biologists, ecologists, environmental professionals, technicians, inspectors, and support staff provide turnkey project solutions. We are capable of taking a project from its initial planning stages through construction completion.

Alliance is capable of meeting your design needs including but not limited to:

- Access or accesses as required.
- Geotechnical investigation and analyses.
- Landslide Stabilization(s).
- Hydrologic and hydraulic analyses.
- Clear and grub affected areas.
- Portal seals and regrade as necessary.
- Install drainage channels, underdrains, and/or other controls to safely convey water off-site.
- Condition and revegetate all disturbed areas.
- Obtain required permits as determined at the Pre-Design Meeting.
- AMD treatment and mitigation.
- Regrade design of ports, highwalls, surface mines, and mine spoil.



4. PROJECT AND GOALS

The project goals and objectives are listed below. Vendors should discuss any anticipated concepts and proposed methods of approach for achieving each of the listed goals and objectives:

Objective 2.1. Develop construction plans and technical specifications to stabilize the landslide, and design new drainage features and structures if the existing structures are unable to be repaired or replaced.

Alliance Response: Alliance will conduct field geotechnical evaluations and analyze samples for laboratory testing as necessary to determine root causes of the landslides. Plans will be developed to improve site conditions by controlling surface water or seepage problems that may be contributing to the unstable material. Specifications will be developed to ensure safety of the contractors and knowledge of the use of any specialized construction methods or materials are understood.

Objective 2.2. Design plans and develop specifications to control any associated water with the site.

Alliance Response: Construction plans and specifications will be completed around the need to safely convey surface runoff and seepage from the site to limit erosion of the reclaimed refuse piles. Any energy dissipation devices that may be necessary to prevent erosion in downstream receiving streams will be designed, if necessary, for environmental protection. Alliance will produce designs to capture and convey AMD and direct it toward an AMD treatmnet system if required for the project.

Objective 2.3. Design plans and develop specifications for limits of disturbance, storm water control and erosion and sediment prevention. All disturbed areas are to be regraded and revegetated.

Alliance Response: Limits of disturbance will be identified in the construction plans. Design plans will be developed with lines and grades, and appropriate drainage structures to minimize the potential for erosion to facilitate successful reclamation. The project technical specifications will be developed to serve as a general order of construction progression from initial clearing and grubbing, installing erosion and sediment controls, through earthwork activities and final revegetation of the site.

Objective 2.4. Design plans and develop specifications for all conditions encountered on the project sites.

Alliance Response: Alliance will conduct initial site investigations of each site and review any concerns with AML staff at the beginning of the project. A site specific design will be prepared with corresponding construction specifications and bid documents to provide detail for each activity required for the specific project areas.



5. QUALIFICATIONS, EXPERIENCE, AND PAST PERFORMANCE

We pride ourselves on using our talents and experience to provide you with exceptional results.

Alliance has the experience to assist you with design plans, analysis, drawings, specifications, and permitting. Our experience encompasses many stages of the project, and therefore allows us to provide comprehensive documents as may be required for your projects. Our Engineering, Environmental, and Surveying teams have provided services on numerous state, municipal, and federal projects through the state of West Virginia and other states, including but not limited to Illinois, Ohio, and Pennsylvania.

Further details are provided in Attachment A - West Virginia Department of Environmental Protection AML Consultant Qualification Questionnaire (CQQ), and Attachment B - AML and Related Project Experience Matrix (RPEM).

Resumes for key staff members include:

Claudio E. Yon, P.E.
Gary W. Boschain
Ryan P. Cox, P.E.
Randall R. Duncan
Ronald L. Fama, P.E.
Brian W. Matherly
Harold L. Owens, P.E.
Brian C. Shorts, P.E.
Daniel R. Shorts, P.E.
Stephen M. Sutphin
Bethany L. Wolfe

Resumes for these key individuals have been included hereafter in Attachment C within this Project Specifications document.



ATTACHMENT A

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AML CONSULTANT QUALIFICATION QUESTIONNAIRE (CQQ)

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AML CONSULTANT QUALIFICATION QUESTIONNAIRE — Attachment "A"

PROJECT NAME	DATE (DAY, MONTH, YEAR)	FEIN
EOI - 2021 Design Group C Projects	September 3, 2021	55-0778450

1. FIRM NAME	2. HOME OFFICE BUSINESS ADDRESS	3. FORMER FIRM NAME
Alliance Consulting, Inc.	124 Philpott Lane Beaver, WV 25813	Almes & Associates, Inc. Consulting Engineers

4. HOME OFFICE TELEPHONE	5. ESTABLISHED (YEAR)	6. TYPE OWNERSHIP	6a. WV REGISTERED DBE (Disadvantaged BusinessEnterprise)
(304) 255-0491	2001	Individual — Corporation X Partnership — Joint-Venture	YES — NO X

7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE
124 Philpott Lane, Beaver, WV 25813/(304)255-0491/Claudio E. Yon/ 50
3 Four Coins Drive, Canonsburg, PA 15317/(724) 745-3630/ Steve Henderson / 9

8. NAMES OF PRINCIPAL OFFICIALS OR MEMBERS OF FIRM	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
Claudio E. Yon, P.E., President/CEO; Principal Eng.	Braden A. Hoffman, Sr. Project Manager (304) 255-0491 Stephen C. Henderson, Project Scientist/Office Mgr (724)745-3631

9. PERSONNEL BY DISCIPLINE

(6) ADMINISTRATIVE	— ECOLOGISTS	(1) LANDSCAPE ARCHITECTS	(1) STRUCTURAL ENGINEERS
— ARCHITECTS	— ECONOMISTS	— MECHANICAL ENGINEERS	(2) **SURVEYORS**
— **BIOLOGIST**	— ELECTRICAL ENGINEERS	— **MINING ENGINEERS**	— TRAFFIC ENGINEERS
— CADD OPERATORS	(5) ENVIRONMENTALISTS	— PHOTOGRAMMETRISTS	(7) OTHER Designers
— CHEMICAL ENGINEERS	(1) ESTIMATORS	— PLANNERS: URBAN/REGIONAL	(5) Permitting Specialists
(5) **CIVIL ENGINEERS**	(2) **GEOLOGISTS**	— SANITARY ENGINEERS	(9) Scientists
(9) CONSTRUCTION INSPECTORS	— HISTORIANS	— SOILS ENGINEERS	(2) Lab Technicians
— DESIGNERS	— HYDROLOGISTS	— SPECIFICATION WRITERS	(2) Clerical
(2) DRAFTSMEN			(1) Surveying Tech

59 TOTAL PERSONNEL

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 5
***RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.**

The majority of employees work out of the WV office (50 of the listed 59). The PA office is composed of 9 of the 59 employees listed.

10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? ☐ YES ☐ NO **Not Applicable**

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire".		
NAME AND ADDRESS All-Con, LLC	SPECIALITY Earthwork construction, geotechnical investigation, reclamation, AMD system installation and repair	WORKED WITH BEFORE X YES — NO
NAME AND ADDRESS Horn & Associates	SPECIALITY Drilling and geotechnical investigation	WORKED WITH BEFORE X YES — NO
NAME AND ADDRESS Terracon	SPECIALITY Drilling and geotechnical investigation	WORKED WITH BEFORE X YES — NO
NAME AND ADDRESS Geotechnics	SPECIALITY Specialty laboratory testing	WORKED WITH BEFORE X YES — NO
NAME AND ADDRESS GAI Consultants	SPECIALITY Specialized geotechnical analysis and evaluation	WORKED WITH BEFORE X YES — NO
NAME AND ADDRESS	SPECIALITY	WORKED WITH BEFORE — YES — NO
NAME AND ADDRESS	SPECIALITY	WORKED WITH BEFORE — YES — NO
NAME AND ADDRESS	SPECIALITY	WORKED WITH BEFORE — YES — NO
NAME AND ADDRESS	SPECIALITY	WORKED WITH BEFORE — YES — NO

12. A. Is your firm's personnel experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?

(YES) Description and Number of Projects: Alliance has designed over 1,000* refuse disposal facilities including impoundments, slurry cells, valley fills, combined coal refuse disposal facilities which typically include abandonment and reclamation plans. *Non AML

NO

B. Is your firm's personnel experienced in Soil Analysis?

(YES) Description and Number of Projects: Alliance has worked on approximately 500 projects which require development of subsurface and/or laboratory testing to determine the material properties of soils for development of construction plans. Alliance provides some materials testing in-house.

NO

C. Is your firm's personnel experienced in hydrology and hydraulics?

(YES) Description and Number of Projects: Alliance routinely performs hydrology and hydraulic calculations for projects which require designs such as conveyance channels, sediment control structures, surface water runoff analysis (SWROA), flood routing, run-on/runoff controls for landfill facilities, urban development, routing of inflow/outflow of dams, dredging predictions for subsidence. Designs are always completed with erosion protection in mind. Alliance has performed this type of work on over 1,000 projects.

NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?

(YES) Description and Number of Projects: Alliance provides aerial photography and contour mapping on an average of 8-10 unique projects per month, with aerial photography and contour mapping as the final deliverable.

NO

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)

(YES) Description and Number of Projects: Our personnel have been involved in numerous domestic waterline projects while employed at Alliance Consulting and/or while employed with other consultants.

Projects range from small projects such as providing water as part of the overall site development project for Crossroads Chevrolet in Mount Hope, WV to multimillion dollar projects such as the Glen White-Trap Hill Water System upgrade project. Focusing on those projects that serve more than one customer, the following is a sample list:

- The Retreat at Glade Springs: Site development project for 75 condominiums, including waterline system extension design.
- Brad Backus Subdivision: Water line extension design for 12 lots in the Mt. Nebo area.
- Berwind Lake Cabins Developments: Site development project for 10 cabins, including waterline extension design to serve the cabins.
- Glen White - Trap Hill PSD System Upgrade Project Phases I and II: Project consisted of the design and construction management required to upgrade transmission lines, increase water storage with the construction of three water storage tanks, and extend service to additional customers in Raleigh County.
- Sugar Creek PSD Water System Upgrade Project: Project consisted of the design and construction management required to upgrade the treatment plant, extend the system to the Servia area of Braxton County, including the construction of two water storage tanks.

Our staff of geologists, environmental scientists, and technicians have completed groundwater and aquifer testing and monitoring routinely since 2007 in both West Virginia and Pennsylvania for large underground mining operations, as well as small supporting surface facilities. Currently, these activities and investigations are ongoing projects that require monthly activities since 2007 to assist with regulatory requirements for continuously ongoing underground operations. Alliance conducts investigations for large continuous permit tracts up to several thousand acres at a time for these underground mining operations on average 3 to 6 times a year, conducts approximately 100 aquifer tests per year on groundwater wells, and collects in excess of 1,000 monitoring events of groundwater wells, piezometers, monitoring wells, ponds, and/or stream locations each year. With these datasets, Alliance routinely conducts specific investigations of potential groundwater supply or surface water impacts from mining activities due to property owner complaints and/or regulator requests. These investigations vary from small private water supply systems to larger multi-property situations or surface water concerns and involve both water quantity and water quality concerns. On average, specific investigations are requested 2 or 3 times a month.

Data collection historically involves selecting monitoring network locations, installation of piezometers, and/or groundwater monitoring wells designed to monitoring shallow and/or known water bearing zones, conducting monitoring for water quantity through groundwater well pumping tests and water level measurements through seasonal variable times of year and/or during mining activities. Water quality samples are also routinely collected during these monitoring processes in accordance with applicable sampling protocols. These monitoring networks are utilized for determining Probable Hydrological

Consequences for mining related activities on groundwater and/or surface water; for compliance monitoring of groundwater and surface water systems during mining related activities; for conducting investigations of claims of potential mining related impacts to groundwater and/or surface water systems; and for providing resolution to groundwater and surface impacts in post-mining conditions.

If impacts have occurred, Alliance's staff work to implement replacement water supply systems through establishing new supplies, establishing water quality treatment measures for supply users, or implementing restoration measures for ponds and/or streams. Alliance historically will document findings through rebuttal letters and/or reports, as necessary. Ultimately, if impacts were found to have occurred to groundwater supplies, Alliance will assist our clients with recommendations for potential replacement water supplies to resolve and/or mitigate the impacts. These efforts often include selecting replacement well locations for drilling based on fracture trace analysis/lineaments, local structure and water bearing zones, and other known surrounding data points and/or features. Additionally, we will assist with drilling operations by monitoring progress and conditions and advising our clients on completion depths and well construction. After installation, Alliance generally conducts post installation well testing for water quantity and quality, recommends water system configurations and water quality treatment measures, and ultimately generates potential operation and maintenance costs comparisons for the replacement water supply systems.

NO

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

(YES) Description and Number of Projects: Cazy Water Treatment System, Boone County, WV; Sweeneysburg Water Treatment System, Raleigh County, WV

NO

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 35	YEARS OF AML RELATED DESIGN EXPERIENCE: 35	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 5
Yon, Claudio. E.; P.E.			

Brief Explanation of Responsibilities

Responsible for the design of projects for mining and reclamation impoundment design and site layouts, review and certifying designs of employees for the company, and is the "Surveyor-in-Charge" for the company.

EDUCATION (Degree, Year, Specialization)
B.S. Civil Engineering, 1978, Civil, Environmental, Mining, and Surveying

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	R.P.E, 1983, WV; R.P.E. 1984, VA; R.P.E. 1989, KY; R.P.E. 1989, PA; R.P.E. 1996, IL; R.P.E. 1998, TN; R.P.E. 1998, OH; R.P.E. 1998, MD; R.P.E. 1984, WIS; R.P.S. 1996, WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 2	YEARS OF AML RELATED DESIGN EXPERIENCE: 32	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Fama, Ronald L.			

Brief Explanation of Responsibilities

Responsible for the design of many coal refuse impoundments and embankments. Responsibilities include writing the design report and guideline technical specifications, performing the design calculations (surface/subsurface drainage, hydrologic/hydraulic analyses, slope stability analyses, etc.), and preparing the design drawings.

EDUCATION (Degree, Year, Specialization)
B.S., Petroleum Engineering, 1984
Professional Engineer West Virginia, Virginia, Kentucky, and Illinois

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	P.E, 2000, WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 10	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Cox, Ryan P.			

Brief Explanation of Responsibilities

Responsible charge of preparing reports, specifications, calculations, design drawings, and certification of 10 coal refuse disposal facilities and abandonment plans.

EDUCATION (Degree, Year, Specialization)
B.S. Civil Engineering, 2011
Air Force Technical Education 2002 - 2005

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	P.E, 2016, WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 3	YEARS OF AML RELATED DESIGN EXPERIENCE: 17	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Matherly, Brian W.			

Brief Explanation of Responsibilities

Prepare engineering design documents including report narratives, technical specifications, calculations, and drawings. Provide full and part-time construction monitoring and drilling supervision and sampling.

EDUCATION (Degree, Year, Specialization)
Associates Degree, Civil-Surveying Technology, 1998
BS, Engineering Technology with Civil Emphasis, 2000

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES
• Drafting and design will be completed using AutoCAD with Carlson Civil (current editions).
• Stability evaluations will be completed with STEDwin v 2.86.
• Drainage calculations and designs will be completed using SEDCAD 4, HEC-HMS, or HEC-GeoRAS as required by design.
• Various calculations will be completed using in-house calculations sheets through Microsoft Excel.
• Reports and specifications will be prepared using Microsoft Office products.
• Electronic files will be created using PDF software such as Bluebeam or Adobe.
• Imagery and database mapping and design will use Google Earth and ArcMap 10.0, if required.
• Four high-volume copiers, three drawing plotters with 42-inch capacity, and a 40-inch drawing scanner will be used for reproduction, as required.
• Seven survey drones including fixed-wing and quad-copters for aerial imagery/surveying
• Drone processing using Pix4D, Global Mapper, QT Modeler
• Four Topcon GPS surveying units, three total station survey units, ten handheld GPS mapping units, and one imaging station laser scanner for surveying, if required.

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Gatling LLC Box Cut Reclamation, New Haven, Mason County, WV	Gatling LLC 209 Capitol Street Charleston, WV 25301	Design, permitting, bid documents	$1,000,000	95%
Gatling LLC Complex Mine/ Plant/Refuse Reclamation, New Haven, Mason County, WV	Gatling LLC 209 Capitol Street Charleston, WV 25301	Design, permitting, bid documents	$2,000,000	5%
Gatling Ohio LLC Yellowbrush Refuse Area Reclamation Design/Construction, Meigs County, OH	Gatling LLC 209 Capitol Street Charleston, WV 25301	Design, permitting, bid documents	Unknown	35%
Oldhouse Branch Coal Refuse Impoundment Expansion Plan (Stages M and N), Logan County, WV	Ramaco Resources, LLC PO Box 219 Verner, WV 25650	Design, permitting, construction monitoring, certification	Unknown	90%
Oldhouse Branch Coal Refuse Impoundment Expansion Plan (Stage O), Logan County, WV	Ramaco Resources, LLC PO Box 219 Verner, WV 25650	Design, permitting, construction monitoring, certification	Unknown	5%
Easter Ridge Slurry Cell Embankment, McDowell County, WV	Extra Energy, Inc. 640 Clover Dew Dairy Road Princeton, WV 24740	Design, permitting	Unknown	90%
Century Mining No. 1 Preparation Plant & Freshwater Impoundment, Layout, Design & Permitting as Prep Plant and Mining Operation is Constructed, Barbour County, WV	Century Mining, LLC 200 Chapel Brook Drive Bridgeport, WV 26330	Design, permitting, specifications, bid documents, construction monitoring	Unknown	35%
Century Mining No. 1 Deep Mine, Revising Layout and Permitting Deep Mine Site in Preparing New Mine Complex, Barbour County, WV	Century Mining, LLC 200 Chapel Brook Drive Bridgeport, WV 26330	Design, permitting	Unknown	35%
Wash Run Slurry Impoundment Haulroad Layout, Design, and Permitting, Barbour County, WV	Century Mining, LLC 200 Chapel Brook Drive Bridgeport, WV 26330	Design, permitting, specifications, bid documents, construction monitoring	Unknown	5%

Eckman No. 1 Combined Refuse Disposal Facility Revision, McDowell County, WV	Extra Energy, Inc. 640 Clover Dew Dairy Road Princeton, WV 24740	Design, permitting	Unknown	90%
Lower Kittanning Seam Project, Fresh Water Impoundment, Barbour County, WV	Century Mining, LLC 200 Chapel Brook Drive Bridgeport, WV 26330	Design, permitting, specifications, bid documents, construction monitoring	Unknown	Plans approved, construction beginning in March-April 2021
James Wallace Impoundment, Randolph County, WV	James W. Wallace 8232 Back Road Beverly, WV 26253	Design, permitting, construction plans, construction monitoring	Unknown	90%
Galatia Mine East/West and Bunkhouse Impoundment Abandonment and Reclamation, Design, and Permitting, Galatia, IL	Illinois Land Resources, Inc. 46226 National Road St. Clairsville, OH 43950	Design, permitting	$2,500,000	10%
The American Coal Company Revised Reclamation Plan for Preparation Plant and Refuse Impoundments, Galatia, IL	Illinois Land Resources, Inc. 46226 National Road St. Clairsville, OH 43950	Design, permitting	Unknown	0% Just Started
Deer Run Coal Refuse Disposal Facility No. 2 State Mine Reclamation Design and Permitting for 240-acre Coal Refuse Disposal Impoundment; Hillsboro, Illinois	Hillsboro Energy, LLC 925 South Main Street Hillsboro, IL 62049	Design, permitting, conformance testing, construction monitoring, certification	$6,000,000	90%
Hamilton County Coal Refuse Disposal Facility No. 3 State Mine Reclamation Design and Permitting for 120-acre Coal Refuse Disposal Impoundment; Hamilton County, Illinois	Hamilton County Coal, LLC 121 S. Jackson Street, McLeansboro, IL 62859	Design, permitting, conformance testing, construction monitoring, certification	$6,900,000	90%
Sugar Camp Energy, LLC North Refuse Disposal Facility State Mine Reclamation Design and Permitting for 520-acre Coal Refuse Disposal Impoundment; Macedonia, Illinois	Sugar Camp Energy, LLC 11351 N. Thompsonville Drive Macedonia, IL 62491	Design, permitting, conformance testing, construction monitoring, certification	$18,000,000	90%

Williamson Energy, LLC Pond Creek Mine Refuse Disposal Areas 1&2 State Mine Reclamation Design and Permitting for 472-acre Coal Refuse Disposal Impoundments; Johnston City, Illinois	Williamson Energy, LLC PO Box 99 Johnston City, IL 62951	Design, permitting, conformance testing, construction monitoring, certification	$12,000,000	65%
TOTAL NUMBER OF PROJECTS: In the past five years Alliance has done over 2,500 projects, an average of over 500 projects a year.			TOTAL ESTIMATED CONSTRUCTION COSTS: Over $ 57 Million	

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
TRC Engineers, Inc. Twin Branch Truss No. 2 for WVDOH	Crayfish Surveys and Biological Assessment	TRC Engineers, Inc.	Fall 2021	$7,400,000	$27,300
Triton Construction, Beckley Widening WV Turnpike	QC, field and laboratory testing of soil, concrete, aggregate & asphalt	Triton Construction 4305 1st Avenue Nitro, WV 25143	July 2021	$5,000,000	$200,000
Specialty Group, Inc. Interstate Lighting	Concrete testing, drilling depth to rock verification	Specialty Group 550 Conner Dr. Charleston, WV 25302	June 2021	$2,000,000	$7,500
Kanawha Stone, King Coal Highway	QC, field and laboratory testing of soil, concrete, aggregate & asphalt	Kanawha Stone PO Box 503 Nitro, WV 25143	July 2022	$40,000,000	$400,000
Zayo Group, Broadband Fiber Install - Parkersburg to Virginia	Environmental Permitting and Special Use Permits	Zayo Group 1821 30th Street Boulder, CO 80301	March 2021	$42,000,000	$30,000
Brayman Construction, Bluestone Dam Phase V	Environmental Permitting Hydraulic Evaluation	Brayman Construction 1000 John Roebling Way Saxonburg, PA 16056	January 2030	$319,600,000	$125,000

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Williamson Energy LLC Panel 12 Subsidence Brushy Creek Road, Carrier Mills, IL	Williamson Energy LLC 16824 Liberty School Road Marion, IL 62959	Unknown	2017	Ongoing
Harvey Run I Coal Refuse Impoundment Elimination Plan, Monongalia County, WV	Consolidation Coal Company 1 Bridge Street Monongah, WV 26554	$129,000	2014	Yes, not complete
Hughes Hollow Coal Refuse Impoundment Elimination Plan, Monongalia County, WV	Consolidation Coal Company 1 Bridge Street Monongah, WV 26554	$75,000	2014	Yes, not complete
Blue Rock Knob Coal Refuse Facility Embankment Expansion, Randolph County, WV	Carter-Roag Coal Company 109 Appalachian Drive Beckley, WV 25801	$60,000	2019	No
Joe Branch Coal Refuse Embankment Coal Refuse Disposal Plan, Wyoming County, WV	Consol Mining Company LLC PO Box 279 Itmann, WV 24847	$71,200	2020	No
Roaring Creek Coal Refuse Impoundment, Layout and Permitting, of New Coal Refuse Impoundment, Randolph County, WV	Roaring Creek Coal Company LLC 109 Appalachian Drive Beckley, WV 25801	Unknown	2019-2020	No
K-Mine Dewatering Site Layout and Permitting, Preston County, WV	Lexington Coal Company 9522 North Preston Highway Albright, WV	Unknown	2019	Yes
Cunningham Slide Remediation Project, Clendenin, WV	Cunningham Energy LLC 1212 Staunton Road Charleston, WV 25314	$45,000	2014	Yes
Gatling Refuse Area - Abandonment Plan Design, Mason County, WV	Gatling LLC 209 Capitol Street Charleston, WV 25301	$30,000	2018	Yes
Gatling Mine #1 Abandonment Plan Design, Mason County, WV	Gatling LLC 209 Capitol Street Charleston, WV 25301	$750,000	2018	Yes
Gatling Mine Preparation Plant Abandonment Plan Design, Mason County, WV	Gatling LLC 209 Capitol Street Charleston, WV 25301	$1,000,000	2018	Yes
Cunningham Pad Hayes Site Remediation Project, Kanawha County, WV	Cunningham Energy LLC 1212 Staunton Road Charleston, WV 25314	$25,000	2014	Yes
Gatling Boxcut Elimination Design, Mason County, WV	Gatling LLC 209 Capitol Street Charleston, WV 25301	$100,000	2019	Yes

Flat Top Lake Association Dam Remediation, Raleigh County, WV	Flat Top Lake Association, Inc. 13 Oxenford Road Bluefield, WV 24701	$1,000,000	2020	Yes
Crane Creek Combined Coal Refuse Disposal Facility, Mercer County, WV	Cornerstone Minerals, LLC 150 Courthouse Road, Suite 302 Princeton, WV 24740	$125,000	2019	Yes, but not complete
Jupiter Surface Mine Combined Coal Refuse Disposal, Mercer County, WV	Cornerstone Minerals, LLC 150 Courthouse Road, Suite 302 Princeton, WV 24740	$115,000	2019	Yes, but not complete
Robena Preparation Plant, Pond No. 4 Piezometer Elimination, Marion County, WV	Consol Energy 1000 Consol Energy Dr. Canonsburg, PA 15317	$225,000	2020	Yes
Wyoming #2 Well Water Loss Project, Wyoming County, WV	Contura Energy 340 Martin Luther King Jr. Blvd. Bristol, Tennessee, 37620	$115,000	2020	Yes
Robena Coal Refuse Disposal Area, Impoundment Eliminating Site Reclamation & Abandonment, Greene County, PA	Consol Mining, LLC 1000 Consol Energy Drive Canonsburg, PA	Unknown	2020	No
Hillsboro Energy Deer Run Coal Refuse Disposal Facility No. 1 State Mine Reclamation Design and Permitting for 150-acre Coal Refuse Disposal Impoundment; Hillsboro, Illinois	Hillsboro Energy, LLC 925 South Main Street Hillsboro, IL 62049	$4,000,000	2011	Yes
Hamilton County Coal Refuse Disposal Facility No. 1 State Mine Reclamation Design and Permitting for 70-acre Coal Refuse Disposal Impoundment; Hamilton County, Illinois	Hamilton County Coal, LLC 121 S. Jackson Street, McLeansboro, IL 62859	$5,100,000	2010	Yes
Richhill Waterline Marshall County, WV and Greene County, PA	CNX Energy 1000 Consol Energy Dr. Canonsburg, PA 15317	$13,000,000	2018	95%

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Coalfield Expressway Beckley, WV QC Testing (Field and Lab) Soil, Concrete, Aggregate.	WVDOH Project Served as Subconsultant for - Bizzack Construction, LLC 3009 Atkinson Ave Lexington, KY 40509	$3,000,000	2012	YES	Bizzack Construction, LLC Alliance responsible for soil, concrete and aggregate testing as needed.
Hayes Run Stream and Wetland Mitigation Bank Looneyville, West Virginia	David Gibbons WV Bunrootis, LLC 400 South Record, Suite 1250 Dallas, Texas 75202	$2,500,000	2012	YES	Timmons - Compiled original design Alliance - responsible for everything after

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.

Alliance has a long history in WV within the coal mining and coal refuse industry. Our coal refuse engineering team has over 85 years of experience in refuse engineering and design and construction from clearing and grubbing to final reclamation. Alliance can and does routinely provide turnkey design and permitting and construction management and monitoring for our coal clients since our inception in 2001. Our history with the industry includes designing and mitigation for difficulties faced by the mining industry, such as subsidence planning and mitigation, landslide and slope failure evaluation and remediation, burning refuse abatement, environmental evaluation and closure of open portals, geotechnical evaluation of impoundments and valley fills, mine reclamation, and AMD treatment to name a few.

20. The foregoing is a statement of facts.

Signature: Claudio E. Yon Title: President Date: September 15, 2021

Printed Name: Claudio E. Yon, P.E.

ATTACHMENT B

AML AND RELATED PROJECT EXPERIENCE MATRIX (RPEM)

AML and RELATED PROJECT EXPERIENCE MATRIX

PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in Section(s) **	PROJECT EXPERIENCE REQUIREMENTS														PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional												
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Mitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Claudio E. Yon	Gary W. Boschain	Ryan P. Cox	Randall R. Duncan	Ronald L. Fama	Brian W. Matherly	Harold L. Owens	Brian C. Shorts	Daniel R. Shorts	Stephen M. Sulphin	Bethany L. Wolfe		
Gatling LLC Box Cut Reclamation	C		X	X		X					X	X			X	X		P/M		P						P	P/M			
Gatling LLC Mine/Plant/Refuse Reclamation	C		X	X		X					X	X			X	X		P/M		P						P	P/M			
The American Coal Co. Reclamation Plan	C			X		X						X	X			X	X			P/M		P					P/M			
Williamson Energy LLC Panel 12 Subsidence	C								X							X											P/M	P		
Oldhouse Branch Coal Refuse Impoundment Expansion Plan (Stages M & N)	C					X					X						X					P/M	P							
Oldhouse Branch Coal Refuse Impoundment Expansion Plan (Stage O)	C					X					X						X					P/M	M							
Easter Ridge Slurry Cell Embankment	C					X					X						X					P/M	P							
Harvey Run I Coal Refuse Impoundment Elimination	C					X					X						X	P				M								
Hughes Hollow Coal Refuse Impoundment Elimination	C					X					X						X	P				M								
Blue Rock Knob Coal Refuse Embankment Expansion Plan	C					X					X					X	X					P/M	P				P			
Joe Branch Coal Refuse Embankment	C					X					X						X	P			M	M	M							
Eckman No. 1 Combined Refuse Disposal Facility	C					X					X						X					P	M							
Lower Kittanning Seam Project - Fresh Water Impoundment	C					X					X	X				X	X	P				M	M	M			P			
James Wallace Impoundment	C					X					X		X				X	P					M		P/M					
Crane Creek Combined Coal Refuse Disposal Facility	C					X					X						X					P	M					M		
Jupiter Surface Mine Combined Coal Refuse Disposal	C					X					X						X					P	M							
Robena Preparation Plant, Pond No. 4	C										X						X					P/M	P							
Cunningham Slide Remediation Project	C					X					X		X				X	P/M												
Cunningham Pad Hayes Site Remediation	C					X					X		X				X	P/M							P					
Flat Top Lake Association Dam Remediation	C					X					X						X	P/M								P				
Wyoming #2 Well Water Loss Project	C											X						P/M												
Century Mining No. 1 Preparation Plant & Freshwater Impoundment Layout, Design, Permitting	C					X													P/M	P		P	P/M	P			P			
Century Mining No. 1 Deep Mine Revise Layout and Permitting	C					X													P/M	P										
Wash Run Slurry Impoundment Haulroad Layout Design and Permitting	C					X													P/M								P			
Robena CRDA Impoundment Elimination, Site Reclamation, and Abandonment	C					X					X								P/M											
Roaring Creek Coal Refuse Impoundment Layout and Permitting	C					X					X								P/M	P		P/M					P			
K-Mine Dewatering Site Layout and Permitting	C													X					P/M											
Williamson Coal Refuse Disposal Areas 1 and 2	C					X			X		X		X				X	P/M		P/M				P	P		P/M			
Sugar Camp Refuse Disposal Area 1	C					X			X		X		X			X	X	P/M		P/M			P	P	P		P/M	P		
Hillsboro Refuse Disposal Areas 1 and 2	C					X		X			X		X				X	P/M		P/M			P	P	P		P/M			
Sugar Camp North Refuse Disposal Area	C					X			X		X		X			X	X	P/M		P/M				P	P		P/M	P		
Tunnel Ridge Deep Mine	C								X			X		X		X		P										P		
The Retreat at Glade Springs	C					X					X		X							P						P/M				

ATTACHMENT C

RESUMES FOR KEY STAFF MEMBERS

Alliance Consulting, Inc.
Engineers Constructors Scientists

CLAUDIO E. YON, P.E.

President

Degrees Held:

B.S., Civil Engineering, West Virginia Institute of Technology, 1978
18 Hours completed toward MBA

Professional Registrations:

Professional Engineer: West Virginia, Virginia, Kentucky, Pennsylvania, Tennessee, Ohio, Maryland, Illinois, Wisconsin
Professional Surveyor: West Virginia

Professional Organizations:

American Society of Civil Engineers
West Virginia Coal Association

General Background:

May 1990 to Present: President Alliance Consulting, Inc. [(formerly Almes & Associates, Inc., Consulting Engineers Vice President)], Beckley, West Virginia.

Mr. Yon is responsible for the design and overseeing and preparation of plans and specifications for various civil, mining, and environmental engineering and surveying projects for the company. Mr. Yon is the "Surveyor-in-Charge" for the company. The projects consist of the design of solid waste facilities, commercial development site designs, mine sites, preparation plant sites and coal refuse disposal facilities. Preparation of plans, specifications, bid documents, and permit applications for private, state and federal agencies to construct and operate these facilities. Preparation of environmental site assessments and due diligence for acquisitions of industrial and commercial properties. The company also provides construction monitoring services including surveying, soils testing and concrete testing. Surveying services include residential and commercial property surveys, topographic mapping, construction stakeout, and gas well surveys. Preparation of permit applications for deep mines, surface mines, preparation plants, and coal refuse disposal facilities. Rehabilitation of freshwater recreational dams to bring them into compliance with state rules and regulations.

1987 - 1990: Environmental Engineer, M.A.E. Services, Inc., Beckley, West Virginia.

Mr. Yon's duties included the design and supervision of design of civil engineering projects necessary for the construction and operation of deep mines, coal preparation plants, and coal refuse disposal facilities. The work included site layout, foundation design, water and wastewater design, acid mine drainage treatment design, and refuse impoundment design. Duties also included obtaining the necessary state and federal regulatory agency approvals for these facilities.

1981 - 1987: Environmental Engineer, Westmoreland Coal Company, West Virginia Operations, Tams/Clothier, West Virginia.

Duties consisted of the supervision and design of civil engineering projects necessary for the construction and operation of deep mines, coal preparation plants, and refuse disposal facilities for Westmoreland Coal Company, West Virginia Operations. This included site layout, foundation design, water and wastewater design, acid mine drainage treatment design, and refuse impoundment design. Duties also included the preparation and supervision of designs required for obtaining the necessary state and federal regulatory authority approval for impoundments, mining facilities, and water/wastewater treatment systems. Also supervised union construction personnel whose duties included construction and installation of roads, mine site excavations, refuse disposal facilities, and general construction required for the operation of mines and preparation plants.

1978 - 1981: Civil Engineer, Gates Engineering Company, Beckley, West Virginia.

Duties included site development for subdivisions, hospitals, apartment complexes, and utility layout, design and preparation of plans and specifications, bid documents, and construction cost estimates, and feasibility studies for water and wastewater treatment facilities. Also included was preparation of permit applications for funding, construction and operation of civil engineering projects, as well as presentation of feasibility studies and reports to local, county, state, and federal agencies. Supervision of contractors was also required to ensure compliance with contract documents and specifications.

Relevant Project Experience:

1. Rehabilitation of the Flat Top Lake, Ghent Raleigh County, West Virginia
   Client: Flat Top Lake Association

   Responsible for reviewing alternative methods to bring the dam into compliance with the WVDEP rules and regulations. Rehabilitation consisted of custom fit fabric panels which contained stainless steel cables. The pillows created by the fabric were filled with grout. Soil anchors were installed at the location of the hydraulic jump would occur.

   The project cost was $1,000,000, which was one third of the cost of the second alternative.

2. Rehabilitation of Jay Wallace Dam, Elkins, Randolph County, West Virginia
   Client: Jay Wallace

Responsible for the design of a dam to bring it into compliance with state rules and regulations. The spillway was widened and lined.

3. Hampton No. 3 Deep Mine Drainage Treatment System Design and Construction, Cazy, Boone County, West Virginia
Client: Westmoreland Coal Company

Responsible for developing alternative methods for the treatment of 3,000 gallons per minute of acid mine drainage. Developed detailed plans for treatment system and general oversight of construction for project of approximately $750,000.

4. Design of 15-Million Gallon Per Day Acid Mine Drainage Treatment Facility, Sweeneysburg, West Virginia

Responsible for the design of a gravity flow acid mine drainage treatment system for an abandoned mine discharge. Plans included relocation of a major stream. Project design included gravity cascade aeration and sedimentation for a variable flow rate discharge. Responsible for oversight of construction and materials testing for project of approximately $500,000.

5. Subsidence Control Plan Revision, Harris No. 1 Deep Mine, Boone County, West Virginia
Client: Eastern Associated Coal Corp.

Add area to the subsidence control plan to allow for longwall mining beneath residential structures, a major stream, and gas lines.

6. Various Subsidence Control Plan Revisions, Feats Mine, Naoma, Raleigh County, West Virginia
Client: Performance Coal Company (A.T. Massey)

Conversion of a continuous miner subsidence control plan to a longwall mine plan. Subsequent addition of various areas to the subsidence control plan area to include mining in the vicinity of coal refuse impoundments, addition of longwall mining beneath streams.

7. Various Subsidence Control Plan Revision, Shoemaker Deep Mine, Washington County, Pennsylvania and Marshall County, West Virginia
Client: Consolidation Coal Company

Addition of longwall mining areas to the subsidence control plan, which included residential structures, utilities, churches, and cemeteries.

8. Various Subsidence Control Plan Revisions, McElroy Deep Mine, Marshall County, West Virginia
   Client: Consolidation Coal Company

   Addition of longwall mining areas to the subsidence control plan area, which included residential structures, utilities, churches, and cemeteries.

9. Design and Permitting of Birch Coal Mining and Preparation Plant Complex, Braxton County, West Virginia
   Client: Wolfpen Knob Development Company

   Responsible for the site layout for a new coal preparation plant and deep mine facility. Project included major channel relocation, mine and plant site layout, subsurface exploration program, and design of access and haul road, surface drainage and sediment control structures, and excess spoil disposal valley fill. Prepared separate permit documents for the preparation plant, coal refuse disposal facility, and deep mine in accordance with the West Virginia Department of Energy regulations.

10. Design of Miller Creek Preparation Plant and Coal Refuse Disposal Facility, Mingo County, West Virginia
    Client: Fremont Coal Company

    Responsible for the final site layout for a new coal preparation plant and handling facilities including access roads, surface drainage, channel relocation, sedimentation control, and design of access and haul roads.

11. Design and Permitting of Loveridge Mine Nos. 2 and 5 Coal Refuse Disposal Facility Expansion, Monongalia and Marion Counties, West Virginia
    Client: Consolidation Coal Company

    Design of expansion of a coarse coal refuse disposal facility. Project included the layout of a 15-year coarse coal refuse disposal facility expansion. Designed surface drainage and sediment control structures and prepared permit documents for the West Virginia Department of Energy.

12. Permitting for Coal Refuse Disposal Facility, Blacksville No. 2 Complex, Monongalia County, West Virginia
    Client: Consolidation Coal Company

    Permitting for a new coal refuse disposal facility for the Blacksville No. 2 Mining Complex.

13. Conceptual Design of Coarse and Fine Coal Refuse Slurry Impoundment, Nicholas County, West Virginia
Client: Vandalia Mining Corporation

Conceptual layout of an impoundment for 30 years of fine and coarse coal refuse.

14. Conceptual Design of a Coal Refuse Slurry Impoundment, Bee Branch, Wyoming County, West Virginia
Client: Peabody Coal Company

Performed conceptual design for slurry impoundment for the disposal of coarse and fine coal refuse for approximately 15 years. Two sites were evaluated for disposal.

15. Design and Permitting of a Coal Refuse Slurry Impoundment, Smith Branch, Wyoming County, West Virginia
Client: U. S. Steel Mining Co., Inc.

Managed preparation plans and permit documents for upstream expansion of the existing slurry impoundment and coarse coal refuse disposal facility for 25 years.

16. Design and Permitting of a Coal Refuse Disposal Facility, Ellis Creek, Raleigh County, West Virginia
Client: Peabody Coal Company

Prepared permit documents and assisted in the design of a side hill coarse coal refuse disposal facility.

17. Mining and Reclamation Plans, Permitting and Construction Bid Documents, Hampton No. 41, 42, and 43 Mines, Boone County, West Virginia
Client: Westmoreland Coal Company

Responsible for preparing plans, construction specifications, permit documents, and reclamation plans for three deep mines. The plans and documents were prepared in accordance with the West Virginia Department of Energy regulations. Plans included the layout of the mine sites, road layout, and drainage design. Prepared all bid documents and plans and specifications. Supervised the construction of the mine sites to assure compliance with the specifications.

18. Design and Permitting of Coal Refuse Disposal Facility, Mine No. 9, Raleigh County, West Virginia
Client: Stoney Coal Company

Mr. Yon was responsible for the siting, design, permitting, and preparation of plans and specifications for a new coal refuse disposal facility. This facility was designed for placement of oversized refuse (+6 inches) in a single lift to a maximum height of 70 feet.

19. Design and Permitting of Coal Refuse Slurry Impoundment, M.A.E. West Preparation Plant, Boone County, West Virginia
Client: M.A.E. West, Inc.

Design of additional staging for an existing facility. Responsible for the design, permitting, and preparation of plans for state and federal regulatory agencies.

20. Design of Coal Refuse Disposal Facility, Mine No. 3, Raleigh County, West Virginia
Client: Stoney Coal Company

Responsible for the design, permitting, preparation of plans and specifications for a coarse coal refuse disposal facility in accordance with federal and state regulations.

21. Design and Permitting, Mine Nos. 2, 3, 4, 5, and 6 Deep Mine Operations, Raleigh County, West Virginia
Client: Southeast Leasing, Inc.

Design and permitting, preparation of plans and specifications for five new deep mines. The plans included site layout, road design, and all drainage design required by state and federal regulatory agencies.

22. Permanent Program Reclamation Permits, Hampton Nos. 3 and 4 Preparation Plants and Eccles Preparation Plant, Boone and Raleigh Counties, West Virginia
Client: Westmoreland Coal Company

Mr. Yon was responsible for the preparation of reclamation permits for the permanent permit program at its inception. Plans included the design of surface drainage and sediment control structures and reclamation plans for refuse disposal facilities.

23. Air Pollution Control Permit, Carbon Black Plant, Raleigh County, West Virginia
Client: Microblack, Inc.

Responsible for preparation of West Virginia Air Pollution Commission Control permit for a new carbon black plant which included the preparation of plans and documents required for the construction and operation of the facility. The facility was comprised of truck dumping, silo storage, coal pulverizing, and bagging, and baghouse system.

24. Air Pollution Control Permit, East Gulf Preparation Plant, Raleigh County, West Virginia
Client: East Gulf Fuel Corporation

Mr. Yon was responsible for obtaining an air pollution control permit for a clean coal reclaim system which included the preparation of plans and documents for a coal conveyor system, reclaim system and stacking tube, and train loadout.

25. Permitting for Raw Coal Conveyance System, Stoney No. 2 Mine, Raleigh County, West Virginia
Client: Stoney Coal Company

Design, preparation of plans, and permitting of a raw coal handling conveyance system consisting of approximately 3,000 feet of beltline from the mine site to the preparation plant.

26. Mine Safety and Health Administration Permit Application, Hampton No. 43 Mine, Boone County, West Virginia
Client: Westmoreland Coal Company

Prepared plan for blasting within 500 feet of the Hampton No. 3 Deep Mine and Hampton No. 3 Preparation Plant. Coordinated blasting activities to insure the safety of underground and surface personnel during construction of the Hampton No. 46 mine and assure compliance with permit conditions.

27. Design and Permitting of Hampton No. 46 Mine, Boone County, West Virginia
Client: Westmoreland Coal Company

Responsible for preparing the plans and permit documents for a deep mine operation in accordance with the West Virginia Department of Energy regulations. Plans include the layout of the mine site, valley fill, road and drainage structures.

28. Design and Permitting of the Hampton/Spruce Laurel Haulage/Access Road, Boone County, West Virginia
Client: Westmoreland Coal Company

Prepared the plans and permit documents for a five-mile haulage/access road.

29. Permitting of the Spruce Fork Coal Refuse Slurry Disposal Facility, Mingo County, West Virginia
Client: Marrowbone Development Company

Managed the preparation of permit documents for construction and operation of new coal refuse disposal facility.

30. Stream Erosion Evaluation, Paint Creek, Raleigh County, West Virginia
Client: Westmoreland Coal Company

Conducted a study to determine the causes of stream bank erosion and failure.

31. Conceptual Design of Alternatives for Flood Routings, Flat Top Lake Dam, Raleigh County, West Virginia
Client: Flat Top Lake Association

Storm routing for an existing dam and conceptual design of methods to modify the dam to safely pass the design storm.

32. Laurel Creek Dam Modification, Mercer County, West Virginia
Client: Town of Athens

Assisted in the preparation of plans, permits, and bidding documents for raising an existing concrete water supply dam.

33. Analysis of Mine Drainage Treatment Alternatives, Hampton No. 3 Mine, Clothier, Boone County, West Virginia
Client: Westmoreland Coal Company

Analysis of treatment alternatives for post mining acid mine drainage from a below-drainage deep mine.

34. Environmental Site Assessment, Warden Property, Crab Orchard, Raleigh County, West Virginia
Client: Paramount Development Company, Inc.

Site assessment to identify potential environmental and coal mining hazards associated with the previous use of the site.

35. Environmental Site Assessment, Raleigh County Airport Industrial Park Property, Raleigh County, West Virginia
    Client: Roadway Services, Inc.

    Site assessment to identify potential environmental hazards associated with previous use of a site, which included a heavy machinery rebuild shop.

Alliance Consulting, Inc.

Engineers Constructors Scientists

GARY W. BOSCHAIN

Project Manager

Degree Held:

A.S. Civil Engineering Technology, West Virginia Institute of Technology, 1977
A.S. Surveying Technology, West Virginia Institute of Technology, 1978
B.S. Industrial Management, West Virginia Institute of Technology, 1980

Certifications/Training

Certified Troxler Nuclear Density Gauge
Certified U. S. Department of Labor Qualified Impoundment Inspector

General Background:

October 1992 to Present: Project Manager - Alliance Consulting, Inc. (formerly Almes & Associates, Inc., Consulting Engineers), Beaver, West Virginia.

Mr. Boschain's responsibilities involve the preparation and submittal of various state and federal permit applications for mining operations, landfills, and industrial/commercial sites. Mr. Boschain has assisted in performing environmental site assessment projects in West Virginia, Virginia, and Kentucky since 1993. Additional responsibilities include the review of numerous mine sites and their permits for the purpose of calculating reclamation liability costs for mine properties during acquisition. For an approximate 4-5 year period, Mr. Boschain performed day-to-day mine permit and property management of Westmoreland Coal Company's (Westmoreland) closed/sold operations in West Virginia and serving as liaison between Westmoreland, federal and state agencies and the new owners. Mr. Boschain has prepared coal bed methane vertical and horizontal gas well and natural gas well permit applications, as well as prepared a Class II Underground Injection Permit Application for Sequestration of CO_2 in a coal seam.

June 1981 to October 1992: District Coordinator - Southern Soil Conservation District, Beckley, West Virginia.

Mr. Boschain's responsibilities included the coordination of various district conservation programs, including working with construction contractors and oil and gas well companies in developing and implementing proper sediment and erosion control for construction sites. Additionally, Mr. Boschain performed the review of sediment and erosion control plans for proposed oil and gas wells from 1981-1986 and the review of sediment and erosion control

plans for construction sites during the entire period with the Southern Soil Conservation District. Duties also included providing supervision for the reclamation of mine sites and gas well sites. Other job duties included assisting the West Virginia Division of Environmental Protection on reclamation training seminars.

July 1977 to June 1981: Field Supervisor - D'Appolonia Consulting Engineers, Inc., Beckley, West Virginia.

Mr. Boschain was responsible for construction monitoring at many different projects. The monitoring tasks ranged from fill placement monitoring, compaction control, concrete testing, and monitoring the installation of CMP decant systems. Duties also included performing sieve analyses, moisture density, and Standard Proctor and specific gravity testing in the laboratory.

May 1977 to July 1977: Rodsman - Holley, Kenney, and Schott, Inc., Beckley, West Virginia.

Mr. Boschain worked on a survey crew performing triangulation and other methods of surveying in the location of core borings in a mountainous region of southern West Virginia.

Relevant Project Experience:

1. Mine Permit & Property Management Liaison, Boone, Logan & Raleigh Counties, West Virginia
   Client: Westmoreland Coal Company

   Mr. Boschain served as liaison between Westmoreland Coal Company, state and federal agencies and the new owners for Westmoreland's Virginia operations (Hampton Division).

2. Surface Coal Mining Application, Naoma, West Virginia
   Client: Independence Coal Company, Inc.

   Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application for the Hazy Creek Lower Cedar Grove Mine.

3. Coal Bed Methane Gas Well Permitting, Saint Leo, West Virginia
   Client: Consol Energy, Inc.

   Mr. Boschain was responsible for handling the preparation and submittal of coal bed methane gas well permit applications. Mr. Boschain's responsibilities involved meeting with the company representatives and state agencies to coordinate the permitting of the coal bed methane wells.

4. Surface Coal Mining Application, Van, West Virginia
   Client: Independence Coal Company, Inc.

   Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application for Coalburg Deep Mine No. 1.

5. Surface Coal Mining Application, Naoma, West Virginia
   Client: Independence Coal Company, Inc.

   Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application for Shumate Middle Cedar Grove Mine.

6. Reclamation Liability Site Review, Various Properties in Virginia and Kentucky
   Client: AMCI

   Mr. Boschain was responsible for the reclamation liability site review spanning over 20 mine-permitted sites.

7. Surface Coal Mining Application, 3 Permit Amendment Applications, several IBRs and numerous Permit Revision Applications, near Naoma, West Virginia
   Client: Independence Coal Company, Inc./Alex Energy, Inc.

   Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application, 3 Permit Amendment Applications, several IBR's and numerous Permit Revision Applications for the Edwight Surface Mine.

8. Surface Coal Mining Application, near Twilight, West Virginia
   Client: Independence Coal Company, Inc.

   Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application for the Twilight South Surface Mine.

9. Surface Coal Mining Application, near Odd, West Virginia
   Client: Pocahontas Coal Company LLC

   Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application for the Beckley Seam Deep Mine No. 1.

10. Surface Coal Mining Application and Permit Amendment Application, near Odd, West Virginia
    Client: Pocahontas Coal Company LLC

Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application and Permit Amendment No. 1 Application for the Beckley Seam Highwall Mine No. 1.

11. Surface Coal Mining Application, near Holden, West Virginia
Client: Consol of Kentucky Inc.

Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application and several IBR's for the Twin branch East permit area.

12. Surface Coal Mining Application, near Jenkinjones, West Virginia
Client: Wellston Coal LLC

Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application for Totten Ridge Surface Mine No. 1.

13. Surface Coal Mining Application, near Mabie, West Virginia
Client: Roaring Creek Coal Company LLC

Mr. Boschain handled all facets of preparation and submittal of the Surface Coal Mining Application for Roaring Creek Coal Refuse Impoundment.

14. Permit Revision, Benwood, West Virginia
Client: Consolidation Coal Company

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to Shoemaker Deep Mine permit revision.

15. Incidental Boundary Revision & NPDES Modification, Naoma, West Virginia
Client: Performance Coal Company

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to Feats Coal Company-North Mine's IBR and NPDES modification.

16. Application to Revise a Coal Mine Permit, Powhatan Point, Ohio
Client: Quarto Mining Company

Mr. Boschain was responsible for preparation and submittal of all documents pertaining Quarto's Powhatan 4 Mine revision.

17. NPDES Permit Modification, Clothier, West Virginia
Client: Westmoreland Coal Company

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to the NPDES permit modification for Westmoreland's Hampton No. 3 Mine.

18. Incidental Boundary Revision & NPDES Permit Modification, Clothier, West Virginia
Client: Wind River Resources Corp.

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to Wind River's Hampton No. 42 Mine IBR and NPDES modification.

19. Surface Coal Mining Application, Pax, West Virginia
Client: Kingston Resources, Inc.

Mr. Boschain was responsible for preparation and submittal of the Surface Coal Mining Application for the Kingston Preparation Plant.

20. Application for Annual Ownership & Control Update, Boone & Logan Counties, West Virginia
Client: Westmoreland Coal Company

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to the update of the Ownership and Control of Westmoreland Coal Company.

21. Reclamation Liability Site Review, Various Properties in West Virginia and Kentucky
Client: Ruhr-American Coal Corp.

Mr. Boschain was responsible for the reclamation liability site review spanning 50 mine-permitted sites.

22. Surface Coal Mining Application, Bob White, West Virginia
Client: Asset Management Group, Inc.

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to the Red Cedar Coal Surface Mine No. 1 Surface Coal Mining Application.

23. Surface Coal Mining Application, Bob White, West Virginia
Client: Wind River Resources Corp.

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to the West Cazy Coal Surface Mine Surface Coal Mining Application.

24. Incidental Boundary Revision & NPDES Modification, Clothier, West Virginia
Client: Westmoreland Coal Company

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to Westmoreland's Hampton Remining IBR and NPDES modification.

25. Reclamation Liability Site Review, Boone, Logan & Wyoming Counties, West Virginia
Client: Consolidation Coal Company

Mr. Boschain was responsible for the reclamation liability site review spanning 60 mine-permitted sites for acquisition during the buyout of Island Creek Coal Company.

26. Prepare Bid & Contract Documents, Lanark, West Virginia
Client: Raleigh County Solid Waste Authority

Mr. Boschain was responsible for preparing the bid & contract documents for Phase I Landfill Closure & Phase II Stage 1 Expansion construction for the Raleigh County Sanitary Landfill.

27. WVNPDES Permit Application, Lanark, West Virginia
Client: Relaigh County Solid Waste Authority

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to the WVNPDES permit application for the Raleigh County Sanitary Landfill.

28. WVNPDES Permit Application, Parkersburg, West Virginia
Client: Mid-American Waste Systems, Inc.

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to the WVNPDES permit application for the Northwestern Sanitary Disposal Landfill.

29. Prepare Bid & Contract Documents, Athens, West Virginia
Client: Town of Athens

Mr. Boschain was responsible for preparation and submittal of all documents pertaining to the Laurel Creek Dam extension.

30. Clark Branch Coal Refuse Disposal Facility Stage I Embankment Construction, Keystone, West Virginia
Client: Eastern Associated Coal Corporation

Mr. Boschain's duties included supervising construction of a 60,000-cubic yard Stage I embankment. Responsibilities included compaction testing, monitoring the installation of CMP decant system, and grouted riprapped emergency spillway.

31. Milwaukee Water Pollution Abatement Program, Milwaukee, Wisconsin
Client: Milwaukee Metropolitan Sewage District

Mr. Boschain's responsibilities included the logging and collecting of samples from numerous borings for the drilling operations. Performing shear strength testing and installing piezometric wells were also included in Mr. Boschain's duties.

32. Claremont Coal Preparation Facility Slope Indicator Installation, Claremont, West Virginia
Client: United Pocahontas Coal Company

Logged and collected samples from borings for the drilling operations. Mr. Boschain was also responsible for the installation of slope indicators.

33. Construction Monitoring for Crossroads Mall Shopping Center, Beckley, West Virginia
Client: Marc Weissman & Associates

Mr. Boschain's responsibilities included the compaction testing and monitoring of the earthen fill operations for the mall. The project involved the construction of a 70-foot thick earthen fill. Other job duties included performing slump tests and concrete compression testing for concrete samples. During one phase of the project, Mr. Boschain performed seismographic tests during blasting operations due to building construction and blasting occurring in the same proximity.

Alliance Consulting, Inc.

Engineers Constructors Scientists

RYAN P. COX, P.E.

Senior Project Manager

Degrees Held

B.S. Civil Engineering, WVU Institute of Technology, Montgomery, WV, 2011
Air Force Technical Education 2002 – 2005

Professional Licenses and Registration:

Professional Engineer license obtained January 2016, State of West Virginia, Registration [redacted], written test administered by NCEES, October 2015

Fundamentals of Engineering (FE) Test Passed April 2011, State of West Virginia, Written test administered by NCEES

ACI Concrete Field Testing Technician I, 2005

Troxler Nuclear Density Gauge Safety Training 2000

Program Skills

Proficient working knowledge with AutoCAD including Carlson Civil Design, Microsoft Office products, PDF programs, SedCAD, StedWIN, HEC-HMS.

Experience using HEC-RAS, HY-8, Flowmaster, Autodesk Civil 3D, GIS.

General Background

Focus of water resources/hydraulics/hydrology, geotechnical, coal mine refuse disposal design and permitting, dam permitting, solid waste landfill design and permitting, abandoned mine lands reclamation permitting and construction, commercial and residential development, construction management, project management.

Responsible charge of design, calculations, reports, technical specifications, review, and design/construction drawings of projects.

Provide technical support and assistance to clients, construction project managers, and contractors regarding design and specification requirements from beginning design, bid process, and throughout construction.

Professional Experience

2008-Present: Senior Project Manager for Alliance Consulting, Inc., Beaver, West Virginia

Manage design to coordinate permitting activity between multiple regulatory review agencies to meet required design standards while meeting client concerns for construction and budget constraints. Serve as point of contact between clients and regulatory agencies for approval of design to address technical concerns for regulatory and project requirements.

Prepare project construction design, calculations, drawings, specifications, and quality assurance/quality control plans, and bid documents for projects after completing necessary permit approvals. Conduct or provide engineering support for construction bid meetings, review contractor bids, and provide recommendations for bid awards. Coordinate construction activities between project owners and contractors. Process survey files and verify materials quantities and receipts to verify payment to contractors for construction projects.

Simultaneously tracked application approval status, construction timing, and future construction planning for seven coal refuse disposal dams, and three support facilities located in southern IL to provide weekly status reports for clients.

Create project reports, specifications, design calculations and drawings for five coal refuse disposal dams with multiple stages of construction. Designs include construction stages involving downstream, centerline, and upstream construction techniques to provide mine waste disposal for more than 40 years of combined coal mine production. Disposal dams ranged from approximately 80 to more than 250 acres.

Responsible charge for permit and construction drawings, design, and calculations, and assisted with construction quantities and estimates for construction bid packages for two industry unique landfill projects valued at more than $300 million. Provided designs for staged construction for a facility lifespan over 20 years each and cover more than 250 acres. Reviewed daily construction logs, field and laboratory test data, and processed survey files to determine construction requirements were met, and prepared certification documents for approval. Made regular field reviews of construction to ensure material system components were installed in accordance with plans and specifications.

Conducted field investigations of various dams for review of compliance with State and Federal Regulations and certification in accordance with plans and specifications. Provide clients with recommendations to make repairs or maintenance adjustments if necessary. Projects have covered all areas of WV, and several dams located in southern IL.

Designed more than 15 various small onsite wastewater treatment facilities for coal mine bathhouses across WV.

Provide consulting services for earthwork contractors for projects such as road repair, site development, active and abandoned mine land reclamation, dam construction, haul road and access road construction, stormwater management, and coordination for utility relocation or

interruption.

Prepared construction drawings and bid estimates for multi-family residential development which included structure and utility layout, site grading and storm water runoff control in Raleigh County, WV.

2005 - 2008: CAD Technician/Designer, Malpass Design Group, LLC, Las Vegas, NV

Responsible for all drafting for design and construction drawings as sole draftsman for a small land development design firm company for two years prior to company expansion on more than 20 projects.

Recommended and trained new draftsmen on design standards when expanding company employment needs.

Lead small site location/elevation surveying duties necessary for site development design information and maintained necessary survey field notes.

2002-2005: Engineering Assistant, United States Air Force, Nellis Air Force Base, Las Vegas, NV

Conducted site surveying and reconnaissance for construction projects, construction surveying, and field and laboratory testing for more than 10 projects in a 3-year period.

Performed field and laboratory materials testing to ensure various material properties met required specifications.

Trained incoming personnel on surveying, materials testing, and drafting techniques.

Responsible for maintaining readiness of over $500k of engineering equipment dedicated for rapid worldwide deployment use.

Maintained building and asset location maps for building and utility systems of on base infrastructure and conducted as-built surveys and measurements of buildings to reproduce floor plans and locate all base structures to update and maintain base mapping records.

Spearheaded effort to produce three-dimensional drawing data for all on base utility systems, and responsible for locating and updating mapping of jet propulsion (JP-8) liquid fuels infrastructure.

1998-2001: Lab and Field Technician, Alliance Consulting Inc., Beaver, WV

Conducted laboratory soil and concrete testing analyses.

Performed various field duties to include surveying rodman, field technician, stream flow measurements, and concrete field testing.

Alliance Consulting, Inc.

Engineers Constructors Scientists

RANDALL R. DUNCAN

Project Manager

Areas of Specialization

U.S. Environmental Protection Agency (EPA) Approved 3rd Party Treatment System Auditor

General Background:

January 2001 to Present: Project Manager, Alliance Consulting, Inc. (formerly Almes & Associates, Inc.), Beckley, West Virginia.

Mr. Duncan manages and prepares various mine permit applications including SMA's, permit revisions, renewals, NPDES Applications, Army Corps Permits and bond release applications for multiple clients. With 40 years of knowledge and experience, in 2016 Mr. Duncan was approved by the EPA to conduct 3rd party audits on treatment systems associated with mine sites under EPA Consent Decrees. The focus is to assist in achieving and maintaining compliance at NPDES outlets previously identified as having compliance issues.

December, 1989 to February, 2001: Permitting Coordinator, Almes & Associates, Inc., Consulting Engineers, Beckley, West Virginia.

Mr. Duncan has been involved in the management and preparation of various mine permit applications including SMA's, permit revisions, renewals, NPDES Applications, Army Corp. Permits and release applications.

September, 1980 to December, 1989: Engineering Technician/Permit Coordinator, Southern Engineering, Inc., Consulting Engineers, Beckley, West Virginia.

Mr. Duncan was involved in the preparation of surface mine permits, coal refuse removal permits, underground opening applications, and NPDES permits. His duties also included the preparation of property survey and subdivision maps.

April, 1979 to September, 1980: Draftsman/Designer/ Surveyor's assistant, Harrah & Associates, Inc., Consulting Engineers, Summersville, West Virginia.

Mr. Duncan was involved in the drafting and design duties in the preparation of surface mining permits. His duties also included the preparation of property survey and subdivision maps.

Relevant Project Experience:

1. EPA 3rd Party Audits, Mine Sites in WV, VA, KY, TN, AL
   Client: Southern Coal Corporation

   Traveled to sites and reviewed treatment systems per the company's Consent Decree. Prepared reports for submittal to EPA with detailed site conditions and recommendations to achieve compliance and address environmental concerns.

2. EPA 3rd Party Audits, Mine Sites in WV
   Client: Alpha Natural Resources

   Traveled to sites initially and quarterly thereafter to review treatment systems per Company's Consent Decree. Prepared reports for submittal to EPA with detailed site conditions and recommendations to achieve compliance and address environmental concerns.

3. Bailey Deep Mine, Cameron, West Virginia
   Client: Consol of Pennsylvania, LLC

   Assisted in the preparation and response to comments of the above-mentioned surface mine permit application (SMA). Since approval of SMA, multiple incidental boundary revisions, NPDES modifications and renewal for the underground mine have been prepared. Permitted an extensive pipe line for transfer of AMD for treatment.

4. Lower Big Branch Fine Coal Refuse Disposal Facility, Pinevelle, West Virginia
   Client: Kepler Processing, Inc.

   Completed permit documents and assisted in the layout for the above-mentioned proposed Fine Coal Refuse Disposal Facility.

5. Loveridge Mine No. 22, Marion County, West Virginia
   Client: Consolidation Coal Company

   Mr. Duncan assisted in the original layout. Since SMA approval, Mr. Duncan has prepared NPDES modifications and renewals for the underground mine.

6. Hominy Creek Mine, Leivasy, West Virginia
   Client: Green Valley Coal Company

   Assisted in the preparation and response to comments of the above-mentioned surface mine permit application. Since approval of SMA, have prepared incidental boundary revisions, NPDES modifications and renewals for the underground mine.

7. Itmann No.5 Deep Mine, Preparation Plant and Refuse Area, Itmann, West Virginia
Client: Consol Mining Company, LLC

Prepared the surface mine application and NPDES permit for the Itmann No. 5 Deep Mine. Also activated the partially released preparation plant through permit renewals, significant IBRs and NPDES modifications.

Alliance Consulting, Inc.

Engineers Constructors Scientists

RONALD L. FAMA, P.E.

Senior Project Manager

Degrees Held:

B.S., Petroleum Engineering, Marietta College of Ohio, 1984

Certifications/Training:

Professional Engineer, West Virginia, Virginia, Kentucky, and Illinois

General Background:

August 1988 to Present: Senior Project Manager, Alliance Consulting, Inc. (formerly Almes & Associates, Inc., Consulting Engineers), Beckley, West Virginia.

Mr. Fama has worked on a variety of engineering, construction monitoring and field and laboratory testing projects. Mr. Fama's responsibilities have included performing a variety of soil and aggregate field and laboratory tests, such as sieve analysis, Atterberg limits, specific gravity, Standard Proctor, permeability, and related geotechnical laboratory tests. Mr. Fama has also provided compression testing for concrete cylinders. Mr. Fama's field experience has included construction monitoring and drilling supervision. Mr. Fama has also worked on many projects relating to design, permitting, construction and certification of coal refuse disposal dams and embankments.

Relevant Project Experience:

1. Annual Certification Reports, Various Coal Refuse Impoundments

   Mr. Fama was responsible for report preparation describing changes to the embankment configuration, fine coal refuse slurry level, storage capacity, instrumentation, and any other aspects of the impounding structure potentially affecting the stability of the facility. Mr. Fama was also responsible for preparing the necessary drawing(s) required for the certification report.

2. Design of Oldhouse Branch Coal Refuse Impoundment, Logan County, West Virginia
   Client: Ramaco Resources, LLC

   Mr. Fama prepared multiple expansion plans to extend the disposal life of an existing coal refuse disposal facility. The plans consisted of the design of additional embankment stages

to be constructed using upstream construction techniques. Mr. Fama was responsible for performing the design calculations, writing the narrative report and guideline technical specifications, and preparing the design drawings and necessary permit revision documents for submittal to the regulatory authorities.

3. Coal Refuse Disposal Plan, Proposed Joe Branch Coal Refuse Embankment, Wyoming County, West Virginia
Client: Consol Mining Company, LLC

Mr. Fama prepared a plan for the construction of a coal refuse embankment to be constructed on an existing capped coal refuse impoundment. Mr. Fama was responsible for preparing the design calculations, writing the narrative report and guideline technical specifications, and preparing the design drawings.

4. Design of Coal Refuse Slurry Cell Embankment, Proposed Slab Fork Coal Refuse Facility, Logan County, West Virginia
Client: Apogee Coal Company

Mr. Fama prepared a plan for the construction of a coal refuse slurry cell embankment to be constructed on an existing surface mine valley fill. The plan provided approximately 21 million cubic yards of coarse and fine coal refuse disposal capacity. Mr. Fama was responsible for preparing the design calculations, writing the narrative report and guideline technical specifications, and preparing the design drawings.

5. Design of Rocklick Branch Coal Refuse Disposal Facility, Boone County, West Virginia
Client: Eastern Associated Coal Corp.

Mr. Fama prepared an expansion plan to extend the disposal life of an existing coal refuse disposal facility. The plan was designed to provide for the disposal of 9 years of coarse and fine coal refuse by constructing two embankment stages. Mr. Fama was responsible for performing the design calculations, writing the narrative report and guideline technical specifications, and preparing the design drawings. Mr. Fama's responsibilities also included preparing the necessary permit revision documents for submittal to the West Virginia Department of Environmental Protection.

6. Design of Wallace Cabin Branch Impoundment, Wyoming County, West Virginia
Client: Kepler Processing Company, LLC

Mr. Fama prepared a plan to extend the disposal capacity of an existing high hazard facility. The plan was designed to provide for the disposal of 11.5 years of coarse and fine coal refuse by constructing two embankment stages. Mr. Fama's responsibilities included performing design calculations, preparing the design drawings, writing the engineering narrative report and guideline technical specifications, and preparing the necessary permit revision documents for submittal to the West Virginia Department of Environmental Protection.

7. Design of Sugarcamp Branch Coal Refuse Disposal Facility, Nicholas County, West Virginia
   Client: Power Mountain Coal Company

   Mr. Fama prepared a disposal plan for the construction of a high hazard coal refuse impounding embankment. The plan was designed to provide for the disposal of 29 years of coarse and fine coal refuse by constructing five embankment stages. Mr. Fama was responsible for performing the design calculations including surface and subsurface drainage, decant pipe design, and slope stability analyses. He was also responsible for writing the narrative report and guideline technical specifications and preparing the design drawings.

8. Permit Modification for the Tolliver Branch Coal Refuse Disposal Facility, Mercer County, West Virginia
   Client: Consolidation Coal Company

   Mr. Fama prepared a permit revision application for the abandonment of an existing coal refuse disposal facility. Mr. Fama was responsible for developing a grading plan to eliminate the impounding capability of the existing facility and performing the surface drainage calculations and slope stability analyses for the final abandonment configuration. He was also responsible for writing the narrative report and preparing the necessary design drawings and permit revision documents.

9. Harvey Run I Coal Refuse Slurry Impoundment, Monongalia County, West Virginia
   Client: Consolidation Coal Company

   Mr. Fama prepared an Incidental Boundary Revision application to extend the disposal life of an existing coal refuse disposal facility. Mr. Fama was responsible for performing the design calculations, writing the narrative report, guideline technical specifications, and preparing the associated design drawings. Mr. Fama was also responsible for preparing the necessary permit revision documents.

10. Design of Oldhouse Branch Impoundment No. 03 Coal Refuse Disposal Facility, Emmett, Logan County, West Virginia
    Client: Island Creek Coal Company

    Mr. Fama prepared a coal refuse disposal expansion plan to extend the disposal life of an existing coal refuse disposal facility. The plan was designed to provide for the disposal of 8 years of coarse and fine coal refuse by constructing four embankment stages. Mr. Fama was responsible for performing the engineering analyses including the staging calculations, surface and internal drainage calculations, emergency spillway and decant pipe design and slope stability. He was also responsible for writing the narrative report and guideline technical specifications and preparing the design drawings.

11. Design of Jarrell Branch Coal Refuse Disposal Facility, Wharton, Boone County, West Virginia
Client: Eastern Associated Coal Corp.

Mr. Fama prepared a coal refuse disposal expansion plan to extend the disposal life of an existing coal refuse disposal facility. The plan was designed to provide for the disposal of 5.7 years of coarse and fine coal refuse by constructing three embankment stages. Mr. Fama was responsible for performing the design calculations, writing the narrative report and guideline technical specifications, and preparing the design drawings. Mr. Fama was also responsible for preparing the necessary permit revision documents for submittal to the West Virginia Division of Environmental Protection.

12. Design of Two Soil and Rock Impounding Embankments, Mingo County, West Virginia
Client: Consol of Kentucky Inc.

Mr. Fama performed engineering services pertaining to the design of two high hazard soil and rock impounding embankments. The approximate 60-foot high embankments, to be used to provide sediment control for a nearby surface mine project, were designed to serve as fresh water dams upon completion of the mining operations. Mr. Fama served as Project Engineer and was responsible for performing the design calculations including emergency spillway design and slope stability analyses. Mr. Fama was also responsible for writing the report narrative and guideline technical specifications and preparing the design drawings.

13. Design of Lots Branch Coal Refuse Disposal Facility, Prenter, West Virginia
Client: Pine Ridge Coal Company

Mr. Fama prepared a coal refuse disposal expansion plan to extend the disposal life of an existing high-hazard facility. The plan was designed to provide for the disposal of 7.7 years of coarse and fine coal refuse by constructing six embankment stages. Mr. Fama was responsible for performing the majority of the design calculations, including the staging calculations, surface and internal drainage calculations, and slope stability analyses. He was also responsible for writing the narrative report and guideline technical specifications and preparing the design drawings.

14. Monitoring and Emergency Action Plan and Procedures, Chess Processing Coal Refuse Disposal Area No. 1, Boone County, West Virginia
Client: Elk Run Coal Company

Mr. Fama prepared a Monitoring and Emergency Action Plan and Procedures report for an existing coal refuse disposal facility. The purpose of the report was to provide the appropriate regulatory authorities the procedures that would be followed for the orderly evacuation of downstream residents to a place of safety in the event of a potential dam failure. Mr. Fama was responsible for determining the limits of the evacuation area by performing a dam break analysis as well as writing the monitoring and emergency action

plan and procedures. Mr. Fama was also responsible for preparing a map showing the limits of evacuation and location of roadblocks and evacuation centers.

15. Dam Break Analysis, Superior Coal Refuse Disposal Facility, McDowell County, West Virginia
Client: Cannelton Industries, Inc.

Mr. Fama performed a dam break analysis for an existing coal refuse disposal facility using the computer program SMPDBK (Simplified Dam Break), developed by the National Weather Service, to determine the area that would be affected in the event of a dam breach. In addition to performing the analysis, Mr. Fama was responsible for writing a narrative report describing the results and preparing a drawing showing the limits of the flood area.

16. Design of Little Camp Branch Coal Refuse Disposal Facility, Bell County, Kentucky
Client: Crockett Collieries, Inc.

Mr. Fama developed a 9.2-year expansion plan for an existing coal refuse disposal facility. Mr. Fama was responsible for performing the design calculations, including the staging calculations, surface and internal drainage calculations and slope stability. Mr. Fama was also responsible for preparing the design drawings and writing the narrative report and guideline technical specifications.

17. Design of Road Fork Coal Refuse Slurry Disposal Facility, Madison, West Virginia
Client: Omar Mining Company

Mr. Fama designed a coal refuse disposal expansion plan to extend the disposal life of an existing high-hazard facility. The plan provided for the disposal of 5.5 years of coarse coal refuse and 16 years of fine coal refuse. Mr. Fama performed the design calculations, including the staging calculations, surface and internal drainage calculations, decant pipe design, and slope stability analyses. He was also responsible for writing the narrative report and guideline technical specifications and preparing the design drawings. Due to the height of cover which would ultimately be placed over the proposed decant pipe, a deflection monitoring program was developed to evaluate the performance of the pipe under various embankment loads.

18. Design of Upper Mill Branch Coal Refuse Disposal Facility, Kopperston, West Virginia
Client: Eastern Associated Coal Corporation

Mr. Fama was responsible for an 8.5-year expansion plan for an existing coal refuse disposal facility. Mr. Fama performed the staging calculations, surface and internal drainage calculations, and stability analyses. He was also responsible for writing the narrative report and guideline technical specifications. A detailed liquefaction evaluation based on field, laboratory, and analytical data is currently being performed to determine the susceptibility of the final proposed embankment to a liquefaction failure.

19. Design of Lower Big Branch Coal Refuse Disposal Facility, Montcoal, West Virginia
Client: Peabody Coal Company

Mr. Fama developed a 7.5-year expansion plan for an existing high-hazard coal refuse disposal facility. Mr. Fama was responsible for the staging calculations, storm routing calculations, surface drainage calculations, stability analyses and the report narrative.

20. Design of Big Lick Coal Refuse Disposal Embankment (Harris Mine), Bald Knob, West Virginia
Client: Eastern Associated Coal Corporation

Mr. Fama designed a 22-year expansion plan for an existing coal refuse embankment. The design converted an existing side-hill fill to a valley-fill embankment. Mr. Fama was responsible for the staging calculations, underdrain design, surface drainage calculations and stability analyses. He was also responsible for writing the narrative report and guideline technical specifications.

21. Drilling Program for a New Coal Refuse Disposal Embankment, Kite, Kentucky
Client: Knott County Coal Company

Mr. Fama provided supervision of five holes. The program was designed to obtain subsurface data to be used in stability analyses for the proposed coal refuse embankment. Mr. Fama's responsibilities have included logging soil and core samples.

22. Construction Monitoring for Spillway Extension at Lower Big Branch Coal Refuse Disposal Facility, Montcoal, West Virginia
Client: Peabody Coal Company

Mr. Fama provided construction monitoring for the extension of an existing spillway. The spillway was extended by placing compacted lifts of coarse coal refuse in the existing spillway. A rock underdrain was installed under the new spillway. Mr. Fama's responsibilities included insuring proper installation of the underdrain and performing in-place density tests, using the nuclear gauge, to document that the placement of coal refuse met compaction specifications. He provided reports containing daily logs, compaction results and site sketches for each visit.

23. Design of Impounding Coal Refuse Disposal Facility (Spruce Fork), Naugatuck, West Virginia
Client: Marrowbone Development Company

Mr. Fama performed work on a 30-year plan for a proposed coal refuse impoundment site. Mr. Fama's responsibilities included staging calculations, stability analyses, pipe flow and storm evacuation calculations and surface drainage calculations. He was also responsible for writing parts of the narrative report and guideline technical specifications.

24. Installation of Water Monitoring Wells for the Red Ash Coal Sales and Virginia Crews Facilities, Iaeger, West Virginia
Client: Virginia Crews Coal Company

Mr. Fama provided drilling supervision for water monitoring wells at various locations on the coal refuse embankments. His responsibilities included logging of coal refuse samples and supervision of the installation of piezometers.

25. Drilling Program for a New Coal Refuse Impoundment Site (Spruce Fork), Naugatuck, West Virginia
Client: Marrowbone Development Company

Mr. Fama provided drilling supervision of 14 holes. The program was designed to obtain subsurface data to be used in stability analyses for the proposed coal refuse impoundment. Some of the holes, located near the proposed crest of the dam, were pressure tested to determine the permeability of the underlying rock. Mr. Fama's responsibilities included logging soil and core samples and preparing cross-sections correlating the subsurface data. Mr. Fama has also been responsible for the supervision of the pressure testing. He determined which areas needed to be pressure tested by examining the core samples and calculated the permeability values for each tested area.

26. Construction Monitoring for the Millstone Coal Refuse Disposal Facility, Sydney, Kentucky
Client: Utility Coals Company

Mr. Fama provided construction monitoring for the coal refuse dam and embankment. He was responsible for providing recommendations and establishing density testing to document that construction met specifications. Mr. Fama was also responsible for providing reports containing daily logs, site sketches and compaction results of each visit.

27. Construction Monitoring for the Aldrich Branch Coal Refuse Disposal Facility, Naugatuck, West Virginia
Client: Marrowbone Development Company

Mr. Fama provided construction monitoring for the coal refuse dam and embankment. He was responsible for providing recommendations and establishing density testing to document that construction met specifications. Mr. Fama was also responsible for providing reports containing daily logs, site sketches and compaction results of each visit.

28. Construction Monitoring for the Summersville Junior High School, Summersville, West Virginia
Client: Nichols Construction

Mr. Fama provided construction monitoring for site grading operations. He was responsible for in-place density testing of structural fill, settlement monitoring and reporting of results.

29. Coal Refuse Characterization for the East Gulf and Tralee Coal Refuse Sites, Rhodell and Mullens, West Virginia
Client: M.A.E. Services, Inc.

Mr. Fama evaluated two potential coal refuse embankments for use as a fuel source for potential cogeneration facilities. The program was designed to develop sufficient information to determine the overall feasibility of utilizing the coal refuse for power generation. Mr. Fama has provided supervision for drilling and test pit excavations. Mr. Fama's responsibilities included the logging and bagging of coal refuse samples for quality testing, performing density measurements of the split-spoon samples and conducting field density tests, using a nuclear gauge in the test pit areas. Mr. Fama also performed sieve analyses for selected samples in the laboratory.

30. Design of River Fork Coal Refuse Disposal Facility, Montcoal, West Virginia
Client: Peabody Coal Company

Mr. Fama worked on a 10-year expansion plan and a 20-year conceptual plan for an existing coal refuse impoundment. Mr. Fama was responsible for the staging calculations, surface drainage facilities and stability analyses.

31. Installation of Water Monitoring Wells for the Millstone Coal Refuse Disposal Facility, Sydney, Kentucky
Client: Utility Coals Company

Mr. Fama provided drilling supervision for three water monitoring wells at various locations in the coal refuse embankment. His responsibilities included the logging of coal refuse samples and supervision of piezometer installation.

Alliance Consulting, Inc.

Engineers Constructors Scientists

BRIAN W. MATHERLY

Project Manager

Education/Training:

West Virginia University Institute of Technology, Montgomery, West Virginia
May 1998 – Associates Degree – Civil-Surveying Technology
December 2000 – Bachelor's Degree – Engineering Technology with Civil Emphasis

Class 07 Surface Coal Miner Certified (Black Hat)

Troxler Density Gauge Certified

IADC Rig Pass (SafeLand USA Safety Training)

General Background:

April 2006 to Present: Alliance Consulting, Inc., Beckley, West Virginia.
Project Manager (11/19-Present)
Project Engineer (01/17-11/19)
Assistant Project Engineer (05/08-01/17)
Staff Engineer (04/06-05/08)

- Design of Coal Related Refuse Facilities
  Hydrologic Design (Ditch and Pipe Design, Flood Routing)
  Geotechnical Evaluation (Soil Sampling and Rock Core Drilling)
  Instrument Installation (Ground Water Wells and Settlement Monitoring)
  Failure Assessment (Slope and Pillar Stability, Surface Deformation and Dam Break Analysis)
- MSHA and WVDEP Submittals
- Solid Waste Landfill Construction Monitoring (New Construction in North Central West Virginia)
  All Aspects of Construction from Mass Excavation to Final Certification

October 2001 to April 2006: Esmer & Associates, Boomer, West Virginia.
Project Engineer (06/03-04/06)
Field Engineer (10/01 – 06/03)

Project Engineer responsibilities:

- Design of Coal Related Refuse Facilities
  Hydrologic Design (Ditch and Pipe Design, Flood Routing)

Failure Assessment (Slope and Pillar Stability, Surface Deformation and Dam Break Analysis)
- Abandoned Mine Land Reclamation
  Hydrologic Design (Ditch and Pipe Design)
- Slope Stability

Field Engineer responsibilities included relaying information to Design Engineer concerning field progress and the following:
- Compaction Testing
  Waterline Backfill
  Coal Waste Placement
- Concrete On-Site Testing
- Laboratory Work
  Coal Waste Proctors
  Soil Proctors
  Concrete Strength Analysis

Relevant Project Experience:

1. Annual and Quarterly Certification Reports, Various Coal Refuse Impoundments

   Mr. Matherly was responsible for report preparation describing changes to the embankment configuration, fine coal refuse slurry level, storage capacity, instrumentation, and any other aspects of the impounding structure potentially affecting the stability of the facility. Mr. Matherly was also responsible for preparing the necessary drawing(s) required for the certification report.

2. Drilling Monitoring, Construction Monitoring, Installation of Water Monitoring Wells, Pneumatic Piezometers and Sondex Settlement Systems
   Client: Various

   Performed full and part-time construction monitoring, provided design plan interpretation, and served as liaison between client and design engineers on multiple projects. Mr. Matherly has provided drilling supervision for multiple water monitoring well, pneumatic piezometer, and Sondex installations at various locations in West Virginia and Illinois. His responsibilities included the logging of coal refuse samples and supervision of instrument installation.

3. Site Regrade and Surface Drainage Design, near Lundale, Logan County, West Virginia and near Carlisle, Fayette County, West Virginia (Esmer and Associates)
   Client: West Virginia Department of Protection, Office of Abandoned Mine Lands and Reclamation

   Mr. Matherly was responsible for performing the design calculations, and preparing the design drawings and necessary permit documents for submittal to the regulatory authorities.

4. Coal Refuse Disposal Plan, Blue Rock Knob Refuse Facility Expansion, Randolph County, West Virginia
   Client: Carter-Roag Coal Company

   Mr. Matherly prepared an expansion plan to extend the disposal life of an existing coal refuse disposal facility. Mr. Matherly was responsible for performing the design calculations, writing the narrative report and guideline technical specifications, and preparing the design drawings and necessary permit revision documents for submittal to the regulatory authorities.

5. Coal Refuse Disposal Plan, Refuse Embankment, Mingo County, West Virginia
   Client: Hampden Coal Company, Inc.

   Mr. Matherly prepared a plan to increase the storage capacity of the fine coal refuse slurry cells and for the construction of a protective berm for a new mine face-up. Mr. Matherly was responsible for preparing the design calculations, writing the narrative report, and preparing the design drawings.

6. Design of Freshwater Lake, Franklin County, Illinois
   Client: M-Class Mining, LLC

   Mr. Matherly performed engineering services pertaining to the design of a freshwater facility to be used to provide water for a nearby coal preparation facility. Mr. Matherly was responsible for performing the design calculations, including primary and emergency spillway designs and slope stability analyses. Mr. Matherly was also responsible for writing the report narrative and guideline technical specifications and preparing the design drawings.

7. Drilling Program and Design for Bandmill Hollow Coal Refuse Disposal Facility, Logan County, West Virginia
   Client: Bandmill Coal Corporation

   Mr. Matherly provided supervision of 13 holes. The program was designed to obtain subsurface data to be used in stability analyses for the proposed coal refuse embankment. Mr. Matherly's responsibilities included logging soil and core samples and monitoring hydraulic pressure testing. Also, Mr. Matherly prepared a disposal plan for the construction of a high hazard coal refuse impounding embankment. The plan was designed to provide for the disposal of eight years of coarse and fine coal refuse by constructing three embankment stages. Mr. Matherly was responsible for performing the design calculations, including surface and subsurface drainage, decant pipe design, and slope stability analyses. He was also responsible for writing the narrative report and guideline technical specifications and preparing the design drawings.

8. Drilling Program and Design of Fresh Water Impoundment, Barbour County, West Virginia
   Client: North Central Resources, LLC

   Mr. Matherly provided supervision of 11 holes. The program was designed to obtain subsurface data to determine soil properties for embankment construction. Mr. Matherly also

performed engineering services pertaining to the design of a freshwater facility to be used to provide water for a nearby coal preparation facility. Mr. Matherly was responsible for performing the design calculations including primary and emergency spillway designs, chimney drain design and slope stability analyses. Mr. Matherly was also responsible for writing the report narrative and guideline technical specifications and preparing the design drawings.

9. Design of Coal Refuse Disposal Facility Nos. 2 and 3, Hamilton County, Illinois
Client: Hamilton County Coal Company

   Mr. Matherly prepared disposal plans for the construction of two high hazard coal refuse impounding embankments. The plans were designed to provide for the disposal of a total of 18 years of coarse and fine coal refuse. Mr. Matherly was responsible for performing the design calculations including surface and subsurface drainage, decant pipe design, and slope stability analyses. He was also responsible for writing the narrative report and guideline technical specifications and preparing the design drawings.

10. Design of Building Run Coal Refuse Disposal Facility, Monongalia County, West Virginia
Client: Eastern Associated Coal, LLC

    Mr. Matherly prepared an expansion plan to extend the disposal life of an existing coal refuse disposal facility. Mr. Matherly was responsible for performing the design calculations, writing the narrative report and guideline technical specifications, and preparing the design drawings.

11. Design of Crane Creek Refuse Disposal Facility No. 1, Mercer County, West Virginia
Client: Cornerstone Mining, LLC

    Mr. Matherly prepared a plan for the construction of a coal refuse embankment to be constructed on an existing capped coal refuse embankment. Mr. Matherly was responsible for preparing the design calculations, writing the narrative report and guideline technical specifications, and preparing the design drawings.

12. Combined Coal Refuse Disposal Plan, Eckman No. 1 Coal Refuse Disposal Facility, McDowell County, West Virginia
Client: Mid-Vol Coal Sales, Inc.

    Mr. Matherly prepared a coal refuse disposal expansion plan to extend the disposal life of an existing coal refuse disposal facility. Mr. Matherly was responsible for performing the engineering analyses including surface drainage calculations and slope stability. He was also responsible for writing the narrative report and guideline technical specifications and preparing the design drawings.



HAROLD L. OWENS, P.E.

Senior Project Manager, Alliance Consulting (ACI) Inc. (part time basis).

Education:

B.S. Civil Engineering, West Virginia University, 1964 (concurrent with part time employment with the Soil Conservation Service (SCS), US Department of Agriculture (USDA).

A.S. Mining Engineering Technology, West Virginia Institute of Technology, 1978 [concurrent with full time employment with the Mine Safety and Health Administration (MSHA)].

B.S. Mining Engineering Technology, West Virginia Institute of Technology, 1979 (concurrent with full time employment with MSHA).

Post graduate courses in civil/sanitary engineering: West Virginia University, 1964-1965, 21 credit hours; post graduate courses in civil engineering/engineering management: West Virginia College of Graduate Studies, 1989-1991, 12 credit hours (concurrent with full time employment with MSHA).

Experience:

April 2007 – Present

Senior Project Manager for Alliance Consulting, Inc. (part-time basis) - Prepare and check designs and permit applications for coal refuse disposal embankments, coal slurry impoundments, water supply and sediment control impoundments, and mining under or adjacent to bodies of water for submittal to MSHA and state regulatory agencies. Plan and participate in geotechnical investigations, seismic studies, design underground coal mine roof support pillars and barrier pillars, perform subsidence studies, embankment slope stability analysis, evaluate landslide potential and design remedial measures, evaluate mine breakout/breakthrough potential, conduct dam failure potential and consequences studies, and perform other hydraulic, hydrologic, structural, and geotechnical calculations as needed. Check and certify designs and construction implementation. Perform other and other mining and civil engineering designs and evaluations as needed.

January 2007 – December 2009

Independent contractor to the MSHA as a witness concerning the Martin County Coal Corp. –vs- MSHA administrative law judge litigation hearings. Continued to participate in the development and editing of the revised "Engineering and Design Manual, Coal Refuse

Disposal Facilities" until it was published in May 2009. This work was conducted in coordination with duties at Alliance Consulting, Inc. as described above.

November 1978 – January 2007

Supervisory Civil Engineer, MSHA, District 4, Mount Hope, WV - Directly supervise a workgroup of coal mine inspectors, civil engineers, mining engineers, and clerical/ secretarial personnel. Plan, supervise, and coordinate MSHA's coal refuse pile and impoundment plan review and inspection program in District 4. Review, or coordinate the review of, the operator's plans and permit applications for surface and underground blasting, mining under surface or underground bodies of water, highwall ground control for surface mines and face ups for underground mine entries, shaft and slope construction plans, and permits for slurry injection into underground mines. Participate in coal mine injury and fatality investigations and perform structural integrity investigations of coal mine buildings and other structures. Served as a mine rescue judge and testified at administrative law judge hearings and district health and safety conferences on contested mine safety and health violations.

Served on MSHA task force to develop revised standards concerning goal setting and performance rating of MSHA personnel. Initiate and participate in seminars for the coal industry personnel and consultants concerning acceptable procedures and updates to impoundment safety requirements, design procedures, construction methods and materials, and state and federal regulatory requirements.

Helped develop and taught courses at the MSHA Mine Academy to coal industry and MSHA personnel for impoundment inspection certification as an instructor and then substitute instructor as needed. Served as an accident investigation team member and government representative for the Martin County Coal Company slurry impoundment breakthrough incident in October 2000. Participated in the review and development of the revised "Engineering and Design Manual, Coal Refuse Disposal Facilities".

Retired from MSHA January 3, 2007.

1977, 1979, 1980

Adjutant Instructor (part time – night school), West Virginia Institute of Technology, teaching engineering mechanics courses (statics and applied strength of materials) concurrent with full time employment with MSHA.

May 1976 - November 1978

Civil Engineer, MSHA, District 4, Mount Hope, WV - Reviewed plans for coal refuse piles and impoundments and recommended approval or requested additional information needed for plan approval. Reviewed fire control plans for burning coal refuse piles and coal slurry dams and requested needed information for plan approval. Conducted mine inspections as an authorized representative of the Secretary of Labor. Helped develop the course for and teach

impoundment inspection qualification training to MSHA and industry personnel at the MSHA Mine Academy and revised and updated the course material as needed. Served as a MSHA witness at administrative law judge hearings and district health and safety violation conferences concerning violations of MSHA's refuse pile and impoundment regulations.

October 1971 - May 1976

Civil Engineer, Area 1 Office, SCS, USDA, Beckley, WV - Involved with the planning, design, and construction of farm ponds and wildlife watering facilities, livestock sewage treatment lagoons and storage structures, surface drainage practices, subsurface tile drainage systems, post-flood stream channel restorations, farm bridges and steam crossings, spring developments for domestic and livestock water supply, water diversion ditches, and other engineering practices associated with soil and water conservation. Project engineer and government representative for construction contracts to build flood control dams and channels. Project engineer for geologic investigations. Responsible for providing engineering assistance and oversight to 10 work units in 15 West Virginia counties for the design and construction quality of all soil and water conservation practice structures built in the area.

In charge of the on-site implementation and supervision of the final phase of the Buffalo Creek flood rehabilitation project from March through June 1972. The work involved the supervision of approximately 25 federal government employees and administration of the contract for a hydroseeding and grading contractor to do the final cleanup, grading, surface drainage restoration, and revegetation of the 17 mile long Buffalo Creek flood plain to make it suitable for redevelopment. Coordinated the ordering and delivery of the needed materials to complete the job and planned and scheduled the tasks of the five workgroups and the contractor tasks as the project proceeded.

Served on the State of West Virginia governor's interagency coal mine impoundment field investigation team to evaluate the hazard potential of and recommend remedial measures needed for coal slurry impoundment refuse dams in the southern WV coal fields.

December 1969 - October 1971

Civil Engineer, Design Unit, SCS, USDA, Morgantown, WV - Developed final designs, specifications, and materials quantity estimates for flood control dams, channels, dikes, and conservation structures such as the hydraulic and structural design of reinforced concrete inlet risers, principal spillway pipes, and open channel emergency spillways. Developed hydrologic and hydraulic nomographs, charts, and maps to assist in planning and design. Conducted other soil and water conservation practice site designs and engineering studies and prepared reports. Presented proposed PL 83-566 (Watershed Protection Flood Prevention Act of 1954) project design proposals and alternates to project sponsors, local government representatives, and affected landowners.

Assigned 90 days to the Federal Emergency Management Agency's (FEMA)'s headquarters in Washington, DC during early 1970 to prepare the initial flooding maps for USA's

southeastern coastal areas for the use of insurance company agents in determining the eligibility of property owners to obtain National Flood Insurance Program (NFIP) insurance.

July 1966 - December 1969

Staff Civil Engineer/Ground Defense Force Company Commander, United States Navy (USN), US Naval Air Station, Guantanamo Bay, Cuba. In charge of the administering of the maintenance, repair, and minor construction project budget for the naval air station. Screened a backlog of 643 projects and implemented measures to reduce the backlog to 40 pending and ongoing projects. Designed, estimated the cost, and personally prepared the submittal reports for 18 major construction projects to the US Congress that were all approved and funded for implementation. Commanding Officer, US Naval Air Station Ground Defense Force, which was No. 1 defense force of five at the Guantanamo Bay Naval Base two rating years in a row. Left active navy duty with the rank of Lieutenant.

Utilities/Project/Disaster Control Officer, Public Works Department, US Naval Air Station, Millington, TN. Modernized the design of the 2,000 line incoming, 20,000 line outgoing, base telephone system and switchboard to use push button phones and PBX's instead of rotary dial phones. Coordinated its implementation between the local telephone company and the base offices and training schools. Sized the telephone cable, cable layout, and method of installation to replace the existing distribution system at that time. Served as Disaster Control Officer for the Naval Air Station and public works representative to the adjacent Naval Hospital. Served on the Officer Board of Review for the Naval Air Station. Received rank of Lieutenant Junior Grade.

Attended and graduated from the Civil Engineer Corps Officers School (CECOS), Public Works Management Course, US Naval Construction Training Center, Port Hueneme, CA. Received training in Critical Path Management (CPM), Program Evaluation Review Technique (PERT), public works officer duties, use of USN computer cost analysis and management programs, and naval construction force organization and administration.

Attended and graduated as an Ensign, USN, from the US Navy Officer Candidate School, US Naval Station, Newport, RI.

August 1965 - July 1966

Civil Engineer, SCS, USDA, Watershed Planning Unit, Morgantown, WV. Made preliminary engineering investigations for PL-566 flood control projects. Served on a multidiscipline team which evaluated alternate flood control systems of dams, dikes, and channels for watersheds and prepared reports describing the required structural measures and conservation practices needed to meet flood control criteria along with cost estimates and cost-benefit ratios for submittal to the US Congress for funding approval. Conducted hydraulic and hydrologic studies computations to duplicate historic floods of record. Gathered field data; performed hydraulic, hydrologic, and volume computations; and, sized flood control structures.

October 1961 - August 1965

Engineering Aid/Engineering Technician, Watershed Planning Unit, SCS, USDA, Morgantown, WV - Performed general drafting, reduced field survey notes, plotted transit surveyed data points, and drew topographic maps and cross sections. Performed hydrologic and topographic map surveying, and made earthwork volume, hydrologic, and hydraulic computations for the planning and design of flood control projects.

Current Professional Memberships:

National Society of Professional Engineers.

American Society of Civil Engineers (Lifetime Member Status).

United States Society on Dams.

Certifications:

Professional Engineer, State of West Virginia, No. 6501.
Professional Surveyor, State of West Virginia, No. 1265 (now inactive status).

Authorized Representative of the Secretary of Labor and MSHA for coal mine inspections and investigations, AR No. 20945 (now retired).

Impoundment Inspection, MSHA (now inactive status)
Impoundment Inspection Instructor (now inactive status)

Awards:

Certificate of Merit, October 1974, for an outstanding job assisting coal companies in the Southern West Virginia Area, SCS, USDA.

Outstanding Performance Award, 1978, MSHA, US Department of Labor (USDOL).

Award for Distinguished Career Service, USDOL, March 2000.

Safety and Health Award, from the USDOL, April 2004, for serving on the Work Group on Technical Review Issues which helped prepare the Department's response to Congress concerning the publication "Coal Waste Impoundments: Risks, Responses, and Alternates", National Research Council, April 2002, National Academy Press.

Alliance Consulting, Inc.

Engineers Constructors Scientists

BRIAN C. SHORTS, P.E.

Staff Engineer

Degrees Held:

B.S., Civil Engineering, University of Notre Dame - 2012

Professional License:

Professional Engineer: West Virginia

Proficient In:

AutoCAD
HEC-RAS
HEC-HMS
HEC-GeoRAS
HydroCAD
SEDCAD
e-GGRT

General Background:

June 2012 to Present: Staff Engineer, Alliance Consulting, Inc., Beckley, West Virginia.

Hydrology, drainage system design, reservoir and spillway routing, dam design, flood studies, dam breach analyses, greenhouse gas emissions reporting, landfill permitting and design, site development, construction stormwater permitting, slope stability analyses, foundation design.

2011: Engineering Intern, Alliance Consulting, Inc., Beckley, West Virginia.

Hydrology, reservoir routing, dam breach analysis, and other basic engineering intern tasks.

2006-2009: Engineering Intern, Pentree, Inc., Princeton, West Virginia.

Drafting, site development, surveying, field work, and other basic engineering intern tasks.

Beckley, WV
Raleigh County Airport Industrial Park 124 Philpott Lane
Beaver, WV 25813-9502
Telephone: (304) 255-0491

Alliance Consulting, Inc.

Engineers Constructors Scientists

DANIEL R. SHORTS, P.E., P.S., MSCE

Senior Project Manager

Degrees Held:

M.S., Civil Engineering (Structural), Virginia Tech - 2001
B.S., Civil Engineering, West Virginia Institute of Technology - 1988

Professional License:

Professional Engineer: West Virginia
Virginia
North Carolina
Kentucky
Ohio
Professional Surveyor: West Virginia

General Background and Scope of Projects:

June 2010 to Present: Senior Project Manager, Alliance Consulting, Inc., Beckley, West Virginia.

Water Collection Systems:

Engineer in charge of the design and permitting of water collection systems for Jacks Branch Coal Company, Panther Coal Company, and Kanawha Eagle Coal Company. These systems collect waters with characteristics that would not allow for discharge into small streams and are therefore piped to the Kanawha River. Work generally consisted of (1) the preparation of application for permitting through the WVDEP, WVDOT, and the railroads, (2) the production of design plans and documents for approval by regulatory agencies and for use in bidding and construction, and (3) construction management assistance on an as needed basis.

Site Development and Earthwork:

Engineer in charge of the site development for various projects including the Crossroads Chevrolet dealership in Mt. Hope, the Roxalana Church in Dunbar, the Summersville DHHR site, and others. These projects included preparation of project construction plans including a site plan, the balancing of cuts and fills, preparation of cross section and profiles, incorporation of required storm retention and drainage components, access roads, parking,

utility services, assistance with construction on an as needed basis, local and state permitting as applicable.

Sewer Treatment and Collection Facilities:

Engineer in charge of the design and permitting and/or preparation of Social - Economic Justification (SEJ) of small sewage systems such as rock stone filters, package plants, and septic systems primarily used by the coal industry for bathhouse and office sewage treatment. Sample projects included Jackson Ridge Mine in Braxton County, Sumpter Mine in Webster County, and North Central Resources in Barbour County. Work generally consisted of (1) the preparation of application for permitting funding, (2) the production of design plans and documents for approval by regulatory agencies and for use in construction, and (3) the SEJ component requires evaluation and estimates of alternative treatment including collection and conveyance to the nearest public sewer system.

Construction Plan Review:

Function as the Beckley Code Enforcement plan reviewer on a weekly basis. Work consists of the review of both residential and commercial plans for conformance with the City of Beckley Building Code which is the same as the State of West Virginia Building Code with a few minor edits. The reviews are to confirm the proposed projects meet or exceed the requirements of the 2015 International Building Code, 2015 International Residential Code, 2015 International Plumbing Code, 2015 International Mechanical Code, and 2014 NFPA 70—National Electric Code.

Structural Inspections:

Provide visual structural inspections ranging from residential foundation inspection to full inspections of coal preparation facilities and commercial buildings. Sample clients for this work include Blackhawk Coal Company, BB&T Bank, and Jan-Care Ambulance Services. Work generally includes the inspection of structural components that can be viewed without destruction of any other components to determine one or more of the following: (1) the condition of the components, (2) code compliance of the components, (3) repair recommendation, and (4) safety of occupancy

1989 - 2010: Senior Project Manager, Pentree, Inc., Princeton, West Virginia.

Water Distribution Systems:

Engineer in charge of the construction and/or design of water extension projects for Glen White – Trap Hill PSD, Sugar Creek PSD, The Town of Davy, and others. Work generally consisted of (1) the preparation of reports and application for permitting and funding, (2) the production of design plans and documents for approval by regulatory and funding agencies and for use in bidding and construction. (3) working through the bidding process including conducting the pre-bid meeting, fielding questions from bidders, preparation of addenda to bid documents as necessary, review of bids, and recommendation to the client of the lowest

responsible bidder, and (4) construction management including the oversite of the construction inspection team, review and approval of monthly request for payment, review of shop drawings, periodic sight visits, preparation of the final punch list, and recommendation of approval of the completed project.

Sewer Treatment Plants:

Engineer in charge of the construction and/or design of new sewer treatment plants for the Cowen PSD, the Page-Kincaid PSD and the expansion of the sewer treatment plant for the Town of Wytheville and others. Work generally consisted of (1) the preparation of reports and application for permitting and funding, (2) the production of design plans and documents for approval by regulatory and funding agencies and for use in bidding and construction. (3) working through the bidding process including conducting the pre-bid meeting, fielding questions from bidders, preparation of addenda to bid documents as necessary, review of bids, and recommendation to the client of the lowest responsible bidder, and (4) construction management including the oversite of construction inspection team, review and approval of monthly request for payment, review of shop drawings, periodic sight visits, preparation of the final punch list, and recommendation of approval of the completed project.

Sewer Collection Systems:

Engineer in charge of the construction and/or design of sewer collection systems for the Cowen PSD, the Page-Kincaid PSD, the City of Oak Hill, and others. Work generally consisted of (1) the preparation of reports and application for permitting and funding, (2) the production of design plans and documents for approval by regulatory and funding agencies and for use in bidding and construction. (3) working through the bidding process including conducting the pre-bid meeting, fielding questions from bidders, preparation of addenda to bid documents as necessary, review of bids, and recommendation to the client of the lowest responsible bidder, and (4) construction management including the oversite of construction inspection team, review and approval of monthly request for payment, review of shop drawings, periodic sight visits, preparation of the final punch list, and recommendation of approval of the completed project.

Bridge and Roadway Design:

Engineer in charge of production of project drawings in for bridge and roadway project for the WVDOT. Bridge work included the design of the structure including substructure and superstructure. All projects included excavation and grading for road realignment with ancillary design work such as paving design, utility relocation, drainage modifications, maintenance of traffic, and temporary access. Project include bridges in Spanishburg, Hemphill, and Cedar Grove and roadway work in Pineville and Mercer County.

Site Development and Earthwork:

Engineer in charge of the site development of the WVDOT District Headquarters site in

Gardner, The Princeton Health and Fitness Center in Princeton, various AEP substation sites, and among the engineers involved in the King Coal – Coalfields expressway interchange in McDowell and Wyoming Counties. These projects included preparation of project construction plans including the balancing of cuts and fills, preparation of cross section, incorporation of required storm retention and drainage components, access roads, parking, and utility services as applicable.

1988 - 1989: Engineer in Training, West Virginia Department of Highways, Princeton, West Virginia.

Basic engineering work in the district level maintenance and construction departments.

Beckley, WV
Raleigh County Airport Industrial Park 124 Philpott Lane
Beaver, WV 25813-9502
Telephone: (304) 255-0491

Alliance Consulting, Inc.

Engineers Constructors Scientists

STEPHEN M. SUTPHIN

Senior Project Manager

Degrees Held

West Virginia University, Morgantown, WV. Bachelor of Science Degree in Landscape Architecture.

Program Skills

Working knowledge with AutoCAD including Carlson Civil Design, Microsoft Word and Excel, and Adobe Acrobat Pro DC

General Background:

Worked with clients in permitting various mine sites that included mine face-up sites, spoil volumes, sediment control designs, subsidence control plans, surface mining area, blasting plans.

October 2002 to Present: Alliance Consulting, Inc., Beckley, West Virginia

In West Virginia, Mr. Sutphin has been involved in the management and preparation of various mine permit applications including SMA's, permit revisions, incidental boundary revisions, and NPDES applications, permit renewals and NPDES reissuances. Mr. Sutphin has managed the preparation of bid construction drawings for the reclamation of two mine sites.

In Illinois, Mr. Sutphin has been involved in the management and preparation of permits for underground mines, refuse disposal areas and water management treatment facilities. In addition to permit responsibilities, Mr. Sutphin managed the preparation of bid construction drawings for a client's two refused disposal areas.

July 2001 to October 2002: Appalachian Technical Services, Inc. Project Manager

Mr. Sutphin was responsible for marketing the firm in West Virginia and building client base. Responsibilities include developing all sections of WVDEP permits, IBR's and minor revisions for coal companies in Regions II, III, & V. Supervising technicians in the development of permitting documents. Supervise surveying crew and coordinate surveying with client's needs. Supervise drafting technicians and reviewing work. Computer skills include AutoCad 14 and 2002 Map, Eagle Point 2000, SurvCAD, Reame, Lotus 1-2-3 and Wordpro, and Microsoft Excel and Word.

January, 1995 to July, 2001: Britton Engineering, Inc. Project Engineer

Mr. Sutphin was responsible for environmental permitting including Groundwater Protection/Spill Prevention Plans. Responsibilities include developing all sections of West Virginia D.E.P permits, IBR's and minor revisions for coal companies in Regions II, III, & V. Supervising technicians in the development of permitting documents. Layout and design work for WVDOT highway projects. Other responsibilities include coal reserve study mapping, mine planning, site development for industrial sites, and general AutoCad work. Computer skills include AutoCad 14, Eagle Point 2000, Reame, Lotus 1-2-3, and Lotus Wordpro. I also have experience with the Microsoft Excel and Word.

May, 1994 to December, 1994: Westmoreland Coal Company, Virginia Division. Environmental Manager for the Virginia Division.

Responsibilities included supervising and providing environmental compliance activities for all "inactive" permitted sites. Responsible for NPDES compliance for the inactive sites. Prepared bond reduction/release packages on site meeting the required criteria.

January, 1983 to May, 1994: Westmoreland Coal Company, Virginia Operations. Environmental Engineer for the Virginia Division.

Mr. Sutphin responsibilities included preparing and submitting mine permit applications, revisions, renewals for the Virginia Division of Mined Land Reclamation. Work included designing sediment control structures and minor refuse disposal areas. Worked with Construction Supervisor and crew in the construction of mine sites and compliance/maintenance items. Conducted inspections for annual permit reports and pond certifications. Mr. Sutphin was a Work Order Coordinator for four outside consulting firms that were contracted to do work of the company.

December, 1981 to December, 1982: Westmoreland Coal Company, West Virginia Operations. Environmental Engineer for the Hampton Division.

In charge of preparing permits, reclamation of an abandoned mine site, initial construction phases of a refuse slurry impoundment. Supervised one Environmental Technician.

Responsible for coordinating new mine permits for the Virginia Division with five consulting firms.

October, 1992 to May, 1994: Westmoreland Coal Company, Virginia Division - East Mining Unit. Environmental Manager for this mining unit.

Responsibilities included supervising and providing environmental compliance activities for a continuous miner/longwall mine, a large two section mine, two single

section mines, three contract deep mines and one contract surface mine. Responsible for coordinating new mine permits for the Virginia Division with five consulting firms.

January, 1983 to September, 1992: Westmoreland Coal Company, Virginia Division. Environmental Engineer for the Virginia Division.

Responsibilities included preparing mine permits, revisions, renewals, and NPDES/Storm water permits. Developed site plans, drainage plans, sediment control structures, hollow fills, and minor coal mine waste disposal areas. Eight hours training to perform refuse impoundment inspections by MSHA. Worked directly with construction foremen and crews in constructing mine sites and sediment structures. Directed construction foremen on compliance/maintenance items. Supervised a draftsperson on all drawings required for permits and other in-house projects. Member of the New Mine Opportunity Task Force in charge of reviewing and evaluating potential mine reserves. Worked with Senior Environmental Engineer in developing departmental capital and operating budgets.

December, 1981 to December, 1982: Westmoreland Coal Company, West Virginia Operations. Assistant Environmental Engineer for the Hampton Division.

March, 1981 to December, 1981: Vande Linde, Inc. Technician for the Robinson & Robinson Division.

July, 1980 to March, 1981: Office of Surface Mining and Reclamation. Engineering Technician for Technical Services and Research Branch.

August, 1979 to February, 1980: Corps of Engineers - Huntington District. Landscape Architect in the Environmental Planning Section

Alliance Consulting, Inc.
Engineers Constructors Scientists

BETHANY LYNN WOLFE

Project Manager

Degrees Held

B.S. Environmental Studies, College of West Virginia, Beckley, WV
May 2000, Cumulative GPA 3.95 Summa cum laude graduate

Certifications

West Virginia Qualified Big Sandy crayfish/Guyandotte River crayfish Surveyor (USFWS, June 2016)

Additional Training:

- WV Dept. of Environmental Protection, Division of Mining & Reclamation, Industry Training – Endangered Species Consultations (December 9, 2019)
- WV Dept. of Environmental Protection, Industry Training – NPDES Industry Workshop (December 5, 2019)
- WV Dept. of Environmental Protection, Industry Training – US Fish & Wildlife Consultations, NPDES and SMA Permit Prep (November 2018)
- WV Dept. of Environmental Protection, Industry Training - NPDES (April & May 2018)
- National Conservation Training Center – Ecology and Conservation of North American Crayfishes. (November 2017)
- WV Div. of Natural Resources, Crayfish Identification Workshop – Big Sandy crayfish and Guyandotte River crayfish (May 2016)
- West Virginia University, Freshwater Mussels of West Virginia: Life History and Identification (February 2015 & February 2016)
- WV Dept. of Environmental Protection, Industry Workshop: Narrative Water Quality Standards Update, Surface Water Runoff Analyses, Above Ground Storage Tanks, Bat Survey Requirements for Threatened & Endangered Species, Water Quality and Selenium Research (October 2015)
- Weis Builders, How to Write and Implement a Stormwater Pollution Prevention Plan (March 2009)
- NC State University by The Swamp School, Wetland Delineation Training (September 2008)
- WV Division of Natural Resources, Scientific Collection of Benthics and Fish, Methods and Database Reporting (November 2007)
- WV Dept. Of Environmental Protection, Division of Air Quality, Permit Workshop (July 2004)
- WV Dept. of Environmental Protection and U.S. Army Corps of Engineers, Clean Water Act 401/404 Permits (May 2004)

- U.S. Coast Guard, Homelands Security, Facility Security Plans (March 2004)
- WV Dept. Of Environmental Protection, Division of Mining & Reclamation, Surface Mining Applications, 401 Certifications, Anti-degradation (December 2002)
- 40-Hour Hazardous Waste Operations/Emergency Response OSHA (December 2001)

General Background:

October 2007 – Present: Project Manager/Assistant Project Manager, Alliance Consulting Inc., Beckley, West Virginia

In this position, Ms. Wolfe is responsible for preparation of environmental studies, including conducted field surveys when applicable, and preparation of permitting applications in order to establish programs for environmental compliance. She plays an important role in coordinating between clients and agencies. Documents prepared include but are not limited to Stream and Wetland Delineation Reports, Benthic Macroinvertebrate Studies, Crayfish Habitat Assessments and Survey Reports, State 401 Water Quality Permit Applications, Army Corps of Engineers Section 404 permits, NPDES Article 11, Coal Mining Applications, Article 3 and 4, Stormwater Construction Permits, and Spill Prevention Control and Countermeasures Plans. Non-environmental documents prepared include Homelands Security Plans, Homelands Security Drills and Exercises, Petroleum Product Quality Management Plans, and Company Central Ownership & Control Files.

November 2000 - October 2007: Environmental Project Manager, Beaver Creek Engineering & Environmental Services, PLLC / Marathon Technical Services, Inc., Summersville, West Virginia

Ms. Wolfe was responsible for management of environmental projects for various clients which included assisting with implementation of plans and programs for compliance with state and federal environmental regulations. Daily tasks included coordination between client and regulatory agency, preparation of multiple permit applications, preparation of monitoring plans, and conducting the following: Stream Delineations, Phase I Environmental Site Assessments, Wetland Area Evaluations, Reclamation Liability Audits and Royalty Audits, and Benthic Stream Collections. In addition, she supervised and delegated projects to other employees and prepared proposals for potential clients.

Relevant Project Experience:

1. Ms. Wolfe for the WVDOH conducted presence/absence crayfish surveys for the Big Sandy crayfish in 2017 & 2019 for various proposed bridge projects in the Tug Fork River and tributaries within the Big Sandy basin.

2. Ms. Wolfe has conducted habitat assessments and presence/absence surveys for the Guyandotte River crayfish for in the Guyandotte River in 2019.

3. Ms. Wolfe assisted with the Macroinvertebrate collections in 2018 and 2019 in Still Run as required in relation to the potential for incidental capture of Guyandotte River crayfish.

4. Ms. Wolfe has worked with the design team to permit mine water treatment systems including transfer lines for chlorides and selenium laden waters, diffusers, liners, and bio-reactors for mining clients.

5. Ms. Wolfe has completed multiple Individual State Water Quality Section 401 permits for various clients.

6. Ms. Wolfe has completed multiple Army Corps of Engineers Section 404 Permits, (including IPs, NWP 14, 21, and 50) for clients in various industries.

7. Mr. Wolfe has completed multiple ephemeral/intermittent stream delineation and wetland delineations reports

8. Ms. Wolfe has assisted in the management of environmental and security affairs for a bulk petroleum storage facility.

9. Ms. Wolfe has prepared NPDES permits and Water Quality / Probable Hydrologic Consequence Analysis for multiple companies. In addition, Stormwater NPDES permits have been prepared for various industrial sites and clients.

6. ORAL PRESENTATIONS/INTERVIEWS

Alliance understands that, if selected, individual interviews/oral presentations will be conducted to determine the most qualified to provide the engineering design services required. Alliance will be ready to provide any and all materials/information required, including a 30 minute PowerPoint presentation covering the following:

- Corporate/personnel experience as it relates to the project
- Proposed project management plan
- Key personnel available for the proposed work
- Proposed subcontractors (mapping, geotechnical, etc.)
- Product quality control
- Project cost control
- Project schedule



VENDOR ADMINISTRATIVE INFORMATION

Solicitation No.: CEOI 0313 DEP2200000004

7. VENDOR IDENTIFICATION NUMBER AND LICENSES

The Vender Identification # as maintained in the WV Oasis system for Alliance Consulting, Inc. is as listed below:

000000210866

As documented herein, Alliance staff hold various licenses and certifications from Professional Engineering Licenses to Endangered Species Surveyor Permits. Copies of specific documents can be provided upon request.

8. FEDERAL EMPLOYEE IDENTIFICATION NUMBER

The Federal Employee Identification Number for Alliance Consulting, Inc. is as listed below:

55-0778450

9. PROOF OF WORKERS COMPENSATION COVERAGE

Documentation of the Workers Compensation Coverage maintained by Alliance Consulting, Inc. is included on the page that follows.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 2/17/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Mrs. Pat Stutler	
AssuredPartners of West Virginia, LLC dba Insurance Systems 1 Insurance Way; PO Box 10 Ona WV 25545	PHONE (A/C, No, Ext): (304)736-2222	FAX (A/C, No): (304)302-3401
	E-MAIL ADDRESS: pstutler@isi-wv.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Cincinnati Insurance Co.	10677
INSURED Alliance Consulting, Inc. 124 Philpott Lane Beaver WV 25813	INSURER B: BrickStreet Mutual Insurance	12372
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 2021-2022 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC [ ] OTHER:			ENP0124907	2/23/2021	2/23/2022	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Employee Benefits	$ $ $ $ $ $ $	1,000,000 500,000 10,000 1,000,000 2,000,000 2,000,000 1,000,000
A	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [X] HIRED AUTOS [X] NON-OWNED AUTOS			EBA0124907	2/23/2021	2/23/2022	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $ $	1,000,000
A	X UMBRELLA LIAB [X] OCCUR EXCESS LIAB [ ] CLAIMS-MADE DED RETENTION $			ENP0124907 Umbrella is follow form Primary Non Limit is 9M	2/23/2021	2/23/2022	EACH OCCURRENCE AGGREGATE	$ $	15,000,000 15,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [ ] N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			WCB1012411 WV & PA Included WV Broad Form WC990304 Incl	2/23/2021	2/23/2022	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $	1,000,000 1,000,000 1,000,000
A	Equipment Rented or Leased			ENP0124907	2/23/2021	2/23/2022	Equipment Rented or Leased Deductible		170,000 500

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

WVDEP
P O Box 50130
2019 Washington St. East
Charleston, WV 25305

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Mrs. Pat Stutler/PAT

© 1988-2014 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

10. PROOF OF PROFESSIONAL LIABILITY INSURANCE

Alliance Consulting, Inc. has liability insurance with the minimum limits as required. In addition, Alliance maintains an umbrella policy. Proof of coverage is included on the page that follows.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 2/17/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Mrs. Pat Stutler	
AssuredPartners of West Virginia, LLC dba Insurance Systems 1 Insurance Way; PO Box 10 Ona WV 25545	PHONE (A/C, No, Ext): (304) 736-2222	FAX (A/C, No): (304) 302-3401
	E-MAIL ADDRESS: pstutler@isi-wv.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Cincinnati Insurance Co.	10677
INSURED Alliance Consulting, Inc. 124 Philpott Lane Beaver WV 25813	INSURER B: BrickStreet Mutual Insurance	12372
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 2021-2022 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC OTHER:			ENP0124907	2/23/2021	2/23/2022	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Employee Benefits	$ $ $ $ $ $ $	1,000,000 500,000 10,000 1,000,000 2,000,000 2,000,000 1,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			EBA0124907	2/23/2021	2/23/2022	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $ $	1,000,000
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $			ENP0124907 Umbrella is follow form Primary Non Limit is 9M	2/23/2021	2/23/2022	EACH OCCURRENCE AGGREGATE	$ $	15,000,000 15,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		WCB1012411 WV & PA Included WV Broad Form WC990304 Incl	2/23/2021	2/23/2022	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $	1,000,000 1,000,000 1,000,000
A	Equipment Rented or Leased			ENP0124907	2/23/2021	2/23/2022	Equipment Rented or Leased Deductible		170,000 500

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

WVDEP
P O Box 50130
2019 Washington St. East
Charleston, WV 25305

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Mrs. Pat Stutler/PAT

© 1988-2014 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 03/01/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Trish Clark	
Trustpoint Insurance 16 E Church Ave Roanoke VA 24011	PHONE (A/C, No, Ext): (866) 276-9622	FAX (A/C, No): (888) 872-5496
	E-MAIL ADDRESS: tclark@trustpointins.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Continental Casualty Company	20443
INSURED Alliance Consulting, Inc. 124 Philpott Lane Beaver WV 25813-9502	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** Master 21-11 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:						Each Claim	$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ PER STATUTE ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	PROFESSIONAL & POLLUTION LIABILITY			EEH591871941	03/01/2021	03/01/2022	PER CLAIM	$5,000,000
							AGGREGATE	$5,000,000
							DEDUCTIBLE	$50,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate provided as evidence of insurance

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Patricia K. Clark

© 1988-2015 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD