



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

## Header 2



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

Procurement Folder: 755110

SO Doc Code: CEOI

Procurement Type: Central Purchase Order

SO Dept: 0313

Vendor ID: 000000173443 

SO Doc ID: DEP2100000001

Legal Name: POTESTA &amp; ASSOCIATES INC

Published Date: 8/14/20

Alias/DBA:

Close Date: 9/3/20

Total Bid: \$0.00

Close Time: 13:30

Response Date: 09/03/2020 

Status: Closed

Response Time: 12:17

Solicitation Description: Addendum No.01 EOI - Sardis (Saas) Landslide Project

Responded By User ID: Potesta 

Total of Header Attachments: 2

First Name: Dana

Total of All Attachments: 2

Last Name: Burns

Email: clracr@potesta.com

Phone: 3043421400



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:** 755110  
**Solicitation Description:** Addendum No.01 EOI - Sardis (Saas) Landslide Project  
**Proc Type:** Central Purchase Order

| Solicitation Closes | Solicitation Response        | Version |
|---------------------|------------------------------|---------|
| 2020-09-03 13:30    | SR 0313 ESR09032000000001503 | 1       |

**VENDOR**  
 000000173443  
 POTESA & ASSOCIATES INC

**Solicitation Number:** CEOI 0313 DEP2100000001  
**Total Bid:** 0  
**Response Date:** 2020-09-03  
**Response Time:** 12:17:59  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Guy Nisbet  
 (304) 558-2596  
 guy.l.nisbet@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 |     |            |            |                             |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 81100000  |              |               |         |

**Commodity Line Comments:** EOI Attached

**Extended Description:**

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

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

|  |                                      |   |   |
|--|--------------------------------------|---|---|
| PROJECT NAME<br><b>Sardis (Saas) Landslide</b>   |                                      | DATE (DAY, MONTH, YEAR)<br><b>03, September, 2020</b>   | FEIN<br><b>311509066</b>  |
| FIRM NAME<br><b>Potesta &amp; Associates, Inc.</b>   |                                      | 2. HOME OFFICE BUSINESS ADDRESS<br><b>7012 MacCorkle Avenue, SE<br/>Charleston, West Virginia 25304</b>   | 3. FORMER FIRM NAME<br><b>N/A</b>   |
| 4. HOME OFFICE TELEPHONE<br><b>(304)342-1400</b>   | 5. ESTABLISHED (YEAR)<br><b>1997</b> | 6. TYPE OWNERSHIP<br>Individual <input checked="" type="checkbox"/> <b>Corporation</b><br>Partnership <input type="checkbox"/> Joint-Venture <input type="checkbox"/> | 6a. WV REGISTERED DBE (Disadvantaged Business Enterprise)<br>YES <input type="checkbox"/> <b>NO</b> <input checked="" type="checkbox"/> |
| 7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE<br><b>7012 MacCorkle Avenue, SE, Charleston, WV 25304 / (304) 342-1400 / Dana L. Burns, Vice President / 66</b> |                                      |   |   |
| 8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM<br><b>Ronald Potesta, President<br/>Dana L. Burns, Vice President</b>  |                                      | 8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS<br><b>N/A</b>  |   |
| 9. PERSONNEL BY DISCIPLINE   |                                      |   |   |
| <u>10</u> ADMINISTRATIVE ARCHITECTS  | <u>2</u> ECOLOGISTS                  | <u>   </u> LANDSCAPE ARCHITECTS   | <u>   </u> STRUCTURAL ENGINEERS   |
| <u>4</u> BIOLOGISTS  | <u>1</u> ECONOMISTS                  | <u>1</u> MECHANICAL ENGINEERS   | <u>6</u> SURVEYORS  |
| <u>6</u> CADD OPERATORS  | <u>   </u> ELECTRICAL ENGINEERS      | <u>1</u> MINING ENGINEERS   | <u>   </u> TRAFFIC ENGINEERS  |
| <u>2</u> CHEMICAL ENGINEERS  | <u>2</u> ENVIRONMENTALISTS           | <u>   </u> PHOTOGRAMMETRISTS  | <u>1</u> HORTICULTURALIST   |
| <u>16</u> CIVIL ENGINEERS  | <u>   </u> ESTIMATORS                | <u>   </u> PLANNERS: URBAN/REGIONAL   | <u>4</u> GEOTECHNICAL ENGINEERS   |
| <u>13</u> CONSTRUCTION INSPECTORS  | <u>1</u> GEOLOGISTS                  | <u>   </u> SANITARY ENGINEERS   | <u>1</u> FISH & WILDLIFE SPECIALISTS  |
| <u>   </u> DESIGNERS   | <u>   </u> HISTORIANS                | <u>   </u> SOILS ENGINEERS  | <u>1</u> GIS SPECIALIST   |
| <u>1</u> DRAFTSMEN   | <u>   </u> HYDROLOGISTS              | <u>   </u> SPECIFICATION WRITERS  | <u>1</u> AQUA CULTURALIST   |
|  |                                      |   | <u>1</u> INFORMATION TECHNOLOGIST   |
|  |                                      |   | <u>   </u> CHEMIST  |
|  |                                      |   | <u>   </u> OTHER  |
|  |                                      |   | <u>74</u> TOTAL PERSONNEL   |
| TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>13</u>  |                                      |   |   |
| *RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.  |                                      |   |   |
| 10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? <input type="checkbox"/> YES <input type="checkbox"/> NO <b>N/A</b>   |                                      |   |   |

| 11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire". |   |  |
|--|---|--|
| NAME AND ADDRESS:  | SPECIALTY:                                | WORKED WITH BEFORE   |
| Keddal Aerial Mapping<br>1121 Boyce Road, Suite 3100<br>Pittsburgh, Pennsylvania 15241                                   | Aerial Photography and Mapping            | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS:  | SPECIALTY:                                | WORKED WITH BEFORE   |
| GeoMechanics, Inc.<br>600 Munir Drive<br>P.O. Box 386<br>Elizabeth, PA 15037   | Environmental and Coal Related Laboratory | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS:  | SPECIALTY:                                | WORKED WITH BEFORE   |
| Test Boring Services<br>140 Mong Road<br>Scenery Hill, Pennsylvania 15360  | Soils and Rock Boring                     | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS:  | SPECIALTY:                                | WORKED WITH BEFORE   |
| GeoMechanics, Inc.<br>600 Munir Drive<br>P.O. Box 386<br>Elizabeth, PA 15037   | Soils and Concrete Testing                | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS:  | SPECIALTY:                                | WORKED WITH BEFORE   |
| Pace Analytical<br>5 Weatherridge Drive<br>Hurricane, WV 25526   | Water Analytical                          | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS:  | SPECIALTY:                                | WORKED WITH BEFORE   |
|  |   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No            |
| NAME AND ADDRESS:  | SPECIALTY:                                | WORKED WITH BEFORE   |
|  |   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No            |
| NAME AND ADDRESS:  | SPECIALTY:                                | WORKED WITH BEFORE   |
|  |   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No            |

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

YES Description and Number of Projects: POTEESTA's principal-in-charge, Dana L. Burns, P.E. and project managers, Messrs. Tim Rice, EIT, Mark Kiser, P.E., Terence Moran, P.E. have each worked on over 70 AML projects dating back to 1986, including landslide exploration and abatement, mine subsidence stabilization projects, acid mine drainage treatment, refuse piles, mine drainage, mine portal seal, and water supply projects. POTEESTA has 15 staff with experience on AML projects. POTEESTA's principal engineers extensive experience with preparing design plans for refuse piles. Many of the previous AML projects won reclamation awards including: Bear Run Refuse; Kimball Refuse Piles; Owings Mine Complex; Pine Creek (Omar) Refuse; Turner-Douglas Complex; and Grass Run Refuse. These projects were completed by Dana Burns, Mark Kiser, and Terry Moran.

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: POTEESTA's staff is experienced in all aspects of soil analysis, including geotechnical and environmental soil analysis. POTEESTA's staff has worked on 30+ AML projects involving soil science, including slope stability and revegetation. POTEESTA is experienced in soil analysis as it relates to this project. POTEESTA's principal engineers have developed and implemented plans for nutrient and lime requirements testing to determine revegetation requirements, acid-base accounting of rock samples to evaluate the potential of excavated materials to generate acidity, and analysis of coal refuse to determine the potential for reprocessing.

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: POTEESTA's staff is experienced in hydrology and hydraulics as it relates to AML projects in West Virginia. POTEESTA's staff has worked on over 70 AML projects that involved sizing channels, culverts, and waterlines. POTEESTA has developed well over 100 storm water management plans for mines, industrial facilities and new site development projects throughout West Virginia.

NO

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

YES Description and Number of Projects: POTEESTA's staff routinely develop contour mapping for use with design. We subcontract aerial mapping development but complete the ground control necessary for developing mapping. On smaller projects, we perform the topographic survey work and subsequently develop the contour mapping. POTEESTA has completed 200+ mapping development projects in the last five years.

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: POTEESTA's staff is exceptionally experienced at domestic waterline design. POTEESTA's staff has worked on waterline designs and water treatment plant designs for municipalities, WVDEP AML, and private utilities. POTEESTA's staff includes one project manager, Terence C. Moran, P.E., who has managed design of numerous AML waterlines, including 20+ mile Cow Creek-Sarah Ann Extension and 30+ mile/2,800 GPM Water Treatment Plant Mill Creek Regional Water Supply project. We are also exceptionally well qualified to evaluate aquifer degradation, including aquifer degradation by AML sites. Our staff has worked on 80+ evaluations of aquifer degradation. POTEESTA has performed over 40 water line design projects totaling several hundred miles of installed water line.

NO

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

YES Description and Number of Projects: POTEESTA has completed numerous projects addressing acid mine drainage evaluation and abatement design. POTEESTA's staff has worked on 30+ projects involving AMD evaluation and 10+ projects involving AMD abatement design. In both cases, many of the projects involved AML sites. We have worked extensively with Anker Energy, Dominion Generation, and the WVDOH, among others with acid-base accounting evaluations and the subsequent development of plans to prevent/abate AMD generation. Additionally, we worked extensively with Elk Run Coal Company to devise a plan to limit AMD generation and to treat the remaining AMD.

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: | YEARS OF AML RELATED DESIGN EXPERIENCE: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Burns, Dana L.<br>Vice President        | 27                              | 36                                      | 25   |

Brief Explanation of Responsibilities

Mr. Burns will serve as principal-in-charge for this project with his significant experience with AML type projects. Mr. Burns has served as the project manager or principal-in-charge on three open end contracts for WVDEP, AML from 1986 through 1997, totaling over 60 projects. He will ensure the personnel required to efficiently complete this project will be identified. He will coordinate contract issues with the State of West Virginia.

EDUCATION (Degree, Year, Specialization)

MS, 1979, Civil Engineering with Environmental Engineering Emphasis  
BS, 1978, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

West Virginia Coal Association  
American Society of Civil Engineers  
West Virginia Association of Consulting Engineers  
American Consulting Engineering Council - Trans Committee

REGISTRATION (Type, Year, State)

PE, 1985, WV  
PS, 1995, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Rice, Timothy M.<br>Senior Engineer     | 32                              | 38                                      | 32   |

Brief Explanation of Responsibilities

Mr. Rice will serve as Project Manager for this project. As primary contact, Mr. Rice will communicate between WVDEP and the design teams, subcontractors, and project advisors for this project. His 32 years of AML experience include projects in West Virginia, Maryland, Ohio and Pennsylvania and various types of projects will provide the technical knowledge and experience to complete this AML project.

EDUCATION (Degree, Year, Specialization)

BS, 1982, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

EI, 2005, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Sharp, David B.<br>Morgantown Branch Manager | 25                              | 25                                      | 25   |

Brief Explanation of Responsibilities

Mr. Sharp will serve as alternate project manager and technical review contact for this project with his significant experience with AML type projects throughout the region. Mr. Sharp has served as the Branch Manager in Morgantown for 12 years. He will ensure the personnel required to efficiently complete this project will be identified. He will coordinate contract issues with the State of West Virginia. Mr. Sharp has worked on and managed AML projects and has spent most of his career involved in geotechnical engineering and construction management projects.

EDUCATION (Degree, Year, Specialization)

MS, 1995, Civil Engineering with Geo-environmental Engineering Emphasis  
 BS, 1993, Civil Engineering

| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  | REGISTRATION (Type, Year, State)   |
|---|--|
| West Virginia Coal Association<br>American Society of Civil Engineers<br>West Virginia Association of Consulting Engineers<br>American Consulting Engineering Council - Trans Committee | PE, 1999, WV      PE, 2001, KY<br>PE, 1999, MD      PE, 2001, OH<br>PE, 2000, PA |

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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Grose, Christopher A.<br>Senior Engineering Associate | 21                              | 25                                      | 17   |

Brief Explanation of Responsibilities

Mr. Grose will coordinate the drilling and geotechnical analysis for slope stability design, identification of borrow sites for soil cover, and investigation and design of solutions for subsurface hydrogeology within the deep mines and recommendations for mine seals.

EDUCATION (Degree, Year, Specialization)

MS, 1990, Geological Engineering  
 BS, 1988, Civil Engineering

| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  | REGISTRATION (Type, Year, State)          |
|---|---|
| American Society of Civil Engineering<br>Association of Engineering Geology<br>Society of American Military Engineers | Licensed Remediation Specialist, 1998, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Kiser, D. Mark<br>Chief Engineer        | 24                              | 36                                      | 25   |

Brief Explanation of Responsibilities

As Chief Engineer, with significant experience in coal refuse stabilization design and mine portal closures and drainage channelization, he will serve as a project manager. Mr. Kiser will also provide constructability reviews and QA/QC for the various draft submissions and final construction documents.

EDUCATION (Degree, Year, Specialization)

BS, 1984, Civil Engineering

|  |   |
|--|---|
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS | REGISTRATION (Type, Year, State)                          |
|  | PE, 1990, WV<br>Licensed Remediation Specialist, 1998, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Potesta, Ronald R.<br>President         |                                 |   |  |

Brief Explanation of Responsibilities

As President, Mr. Potesta directs the full resources of the firm to meet the complete requirements of this project for WVDEP.

EDUCATION (Degree, Year, Specialization)

MS, 1975, Economics with a Concentration in Mineral Economics, Econometrics, and Micro Economics  
BS, 1971, Business Administration

|  |                                  |
|--|----------------------------------|
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS<br>Commissioner, Ohio River Valley Water Sanitation Commission; Board of Directors, WV Chapter of the Nature Conservancy; National Institute for Chemical Studies; WV Environmental Institute; WV Manufacturers Association | REGISTRATION (Type, Year, State) |
|  |                                  |

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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Peter S. Potesta<br>Staff Engineer      | 2                               | 2                                       | 4  |

Brief Explanation of Responsibilities

Mr. Peter Potesta, Staff Engineer, has over 8 years of experience and will serve as a geotechnical engineer for this project. His areas of expertise include geotechnical engineering with an emphasis in landslide repair design, natural gas production well pads and access roads, retaining wall design and analysis, foundation recommendations, slope stability analysis, civil/site design, and landslide causation investigation.

EDUCATION (Degree, Year, Specialization)

BS, 2011, Civil Engineering  
BA, 2007, Environmental Geosciences

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

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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Jeremi J. Stawovy, E.I.T.<br>Staff Engineer | 7                               | 7                                       | 10   |

Brief Explanation of Responsibilities

Mr. Jeremi Stawovy, Staff Engineer, has over 10 years of experience and will serve as a geotechnical engineer for this project. His areas of expertise include geotechnical engineering with an emphasis in landslide repair design, geotechnical evaluations including management of subsurface explorations, settlement analysis, slope stability modeling, foundation analysis, well pad construction, roadway improvements/repairs, and commercial/residential construction.

EDUCATION (Degree, Year, Specialization)

MS, 2011, Civil/Environmental Engineering  
BS, 2009, Civil/Environmental Engineering

| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS | REGISTRATION (Type, Year, State) |
|--|----------------------------------|
|  | Engineer Intern, 2009, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Moran, Terence C.<br>Senior Engineer    | 23                              | 26                                      | 26   |

Brief Explanation of Responsibilities

Mr. Moran will serve as project manager coordinating interaction between the WVDEP, design team members, and subconsultants. Mr. Moran has served as a project engineer/project manager for over 60 AML projects in West Virginia between 1989 and 1999. More recently, he has served as principal engineer and project manager for WVDEP-AML projects including water studies and reclamation plans. He will set the schedule and ensure it is met on a weekly basis. He will also serve as one of the principal designers of the reclamation design solution.

EDUCATION (Degree, Year, Specialization)

MS, 1989, Civil Engineering  
BS, 1987, Civil Engineering

| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS | REGISTRATION (Type, Year, State) |
|--|----------------------------------|
| American Society of Civil Engineers      | PE, 1996, WV<br>PE, 1998, VA     |

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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Taylor, Patrick A.<br>Senior Engineer   | 25                              | 25                                      | 20   |

Brief Explanation of Responsibilities

Mr. Taylor will serve as a project engineer, including completing field work, design, and preparation of drawings, technical specifications, bid forms, and cost estimates. Mr. Taylor has project engineer experience in AML projects consisting of emergency slide remediation, refuse fill and slurry pond reclamation, abandoned portal closures, and slurry pond reclamation. Mr. Taylor also served as a branch manager for a private consulting firm responsible for surface mining permitting, design and reclamation.

EDUCATION (Degree, Year, Specialization)

MS, 2006, Engineering Management  
BS, 1988, Civil Engineering

| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS | REGISTRATION (Type, Year, State) |
|--|----------------------------------|
| American Society of Civil Engineering    | PE, 1994, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Litwinowicz, Dennis L.<br>Senior Scientist |                                 | 35                                      |  |

Brief Explanation of Responsibilities

Mr. Litwinowicz will serve as a project geologist, including observation of subsurface exploration activities and assistance on evaluation of other geologic activities.

EDUCATION (Degree, Year, Specialization)

BS, 1980, Geology and Mineralogy

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Association of Petroleum Geologists

REGISTRATION (Type, Year, State)

Certified Petroleum Geologist, 1984

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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Dawson, Victor M.<br>Survey Supervisor  | 15                              | 33                                      | 17   |

Brief Explanation of Responsibilities

Mr. Dawson will coordinate required surveying for aerial mapping control, if needed, establish construction benchmarks, topographic surveys, boundary surveys and/or property and deed research, survey of boring locations and profiling significant existing drainage courses not clearly defined in the aerial mapping. Mr. Dawson will reduce survey data and create topographic mapping for AML projects.

EDUCATION (Degree, Year, Specialization)

AS, 1983, Surveying

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Congress Surveying and Mapping  
West Virginia Association of Land Surveyors  
North Carolina Society of Surveyors  
South Carolina Society of Surveyors

REGISTRATION (Type, Year, State)

PS, 1988, NC  
PS, 1989, SC  
PS, 1993, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Sankoff, Michael B.<br>CADD Designer/Supervisor | 15                              | 28                                      | 17   |

Brief Explanation of Responsibilities

Mr. Sankoff will provide the CADD support in preparation of construction drawings for the project. He will reduce survey data to provide sufficient mapping to complete the design.

EDUCATION (Degree, Year, Specialization)

BS, 1987, Industrial Management  
AS, 1986, Drafting and Design Engineering Technology  
AS, 1986, Mechanical Engineering Technology

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Ammirato, Robert J.<br>Engineer         | 9                               | 12                                      | 12   |

Brief Explanation of Responsibilities

Mr. Ammirato will serve as a project engineer for the project. His responsibilities will include hydraulic calculations, layout, drawing preparation, design, technical specifications, bid forms, cost estimates, and field work. He has extensive experience in water supply and wastewater system design, permitting, and regulations. Mr. Ammirato was the project engineer on our Borderland (Matney) Portals project.

EDUCATION (Degree, Year, Specialization)

BS, 1999, Mechanical Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

PE, 2010, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Smith, Jarrett M.<br>Senior Engineer    | 10                              | 12                                      | 12   |

Brief Explanation of Responsibilities

Mr. Smith has been involved extensively with development of hydrologic and hydraulic calculations including preparation of NPDES stormwater construction permits. He also has significant expertise in the development of site grading plans and quantity/cost estimates. Mr. Smith was the project engineer on our Taylorville (Cantrell) Drainage AML project.

EDUCATION (Degree, Year, Specialization)

BS, 2002, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

National Society of Professional Engineers

REGISTRATION (Type, Year, State)

PE, 2008, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Ward, Patrick E.<br>Senior Engineer     | 11                              | 18                                      | 9  |

Brief Explanation of Responsibilities

Mr. Ward will serve as a project engineer and has extensive experience on WVDEP, AML projects, having served as a project engineer on refuse piles, mine drainage, and subsidence projects in the early to mid-1990's.

EDUCATION (Degree, Year, Specialization)

MS, 1992, Civil Engineering (Geotechnical)  
BS, 1990, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

PE, 1997, 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: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Griffith, Chad<br>Staff Engineer  | 6                               | 8                                       | 11   |
| Brief Explanation of Responsibilities   |                                 |   |  |
| Mr. Griffith has extensive experience with surface mine application Article 3 (coal) and Article 4 (quarry) permitting, mining related NPDES permits, mining related bonding phase releases, prospecting permits, residential and commercial site layout, road design, geotechnical engineering, civil/site design, stormwater management, stormwater/NPDES permitting, construction monitoring, hydrology, and other areas of civil engineering. |                                 |   |  |
| EDUCATION (Degree, Year, Specialization)  |                                 |   |  |
| BS, 2004, Civil Engineering   |                                 |   |  |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  |                                 | REGISTRATION (Type, Year, State)        |  |
|   |                                 | PE, 2008, WV                            |  |

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

Microsoft Office 365

WordPerfect 11

Adobe PageMaker 8 (Publication Software)

MicroStation (Allows users to create 3D models of permanent assets - the models and all of their components are electronic simulations of real-world objects); used for CADD drawing preparation.

Haestead Methods (Numerous software packages used for designing storm water structures [e.g., channels, culverts, ponds, etc.] and water distribution systems.)

MapTech, Terrain Navigator (Combines regional collections of topographic maps with powerful PC navigation software for 2D/3D viewing, customizing, printing and GPS use.)

Autodesk Civil 3D Design Software 2019 Used for preparing CADD drawings (3D modeling software that provides topographic analysis, real-world coordinate systems, volume totals, roadway geometry.)

PCSTabl stability analysis program to perform stability analysis of failed slopes and proposed landslide repair solutions.

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 |
|---|---|--|-----------------------------|------------------|
| West Virginia University Rockfall Mitigation, Morgantown, WV  | West Virginia University<br>Division of Facilities,<br>Design & Construction<br>979 Rawley Lane<br>Morgantown, WV 26506 | Review of Rockfall Hazards, Coordination with Repair Contractor, and Owner Representative during Construction.     | \$2,900,000                 | 95%              |
| Upper Grave Creek Dam Landslide Evaluation, Cameron, WV   | Northern Panhandle Conservation District<br>1 Ball Park Drive<br>McMechen, WV 26040                                     | Surveying, Subsurface Exploration, and Design of Landslide Remediation.  | \$350,000                   | 50%              |
| Wheeling Creek Dam #7 Landslide Evaluation, Ohio County, WV   | Northern Panhandle Conservation District<br>1 Ball Park Drive<br>McMechen, WV 26040                                     | Surveying, Subsurface Exploration, and Design of Landslide Remediation.  | \$800,000                   | 20%              |
| Armory Lot Retaining Wall Replacement   | City of Morgantown<br>Parking Authority<br>300 Spruce Street<br>Morgantown, WV 26505                                    | Design of Failed Retaining Wall.   | \$200,000                   | 90%              |
| Kinetic Park Landslide Remediation  | Huntington Municipal Development Authority<br>800 5 <sup>th</sup> Avenue<br>Huntington, WV 25701                        | Design of Landslide Repair.  | \$3,900,000                 | 98%              |
| Friends of Cheat, Cheat River Rail Trail Landslide & Drainage Evaluation  | Friends of the Cheat<br>1343 N. Preston Highway<br>Kingwood, WV 26537   | Field Review of the Existing Trail and Recommendations for Landslide abatement and drainage improvements.          | TBD                         | 80%              |
| Howesville Area Water Line Extension<br>Preston County, WV<br><br><i>Project mostly funded by WVDEP, AML</i>          | Preston County PSD #2<br>c/o Kingwood Water Works<br>313 Tunnelton Street<br>Kingwood, WV 26537                         | Design and construction management of water line extension, including 12 miles of line and one 60,000-gallon tank. | \$2,801,344                 | 98%              |
| Herring Sub Area 1 & 3 Water Line Extension<br>Preston County, WV<br><br><i>Project entirely funded by WVDEP, AML</i> | Preston County PSD #2<br>c/o Kingwood Water Works<br>313 Tunnelton Street<br>Kingwood, WV 26537                         | Design and construction management of water line extension, including 9 miles of line.                             | \$2,190,000                 | 10%              |

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 |
|--|---|--|-----------------------------|------------------|
| Kingwood Landfill, Landfill Closure Design Kingwood, WV                                  | WVDEP<br>601 57 <sup>th</sup> Street, SE<br>Charleston, WV 25304    | Preparation of construction drawings, technical specifications, engineer's construction cost estimate, and calculations brief for closure of landfill. | \$6,000,000                 | 98%              |
| Boone County Public Service District Wastewater Treatment Plant Upgrade Boone County, WV | Boone County PSD<br>PO Box 287<br>Danville, WV 25053                | Final design of wastewater treatment plant upgrade.  | \$4,000,000                 | 75%              |
| Town of Mill Creek Water System Improvements Mill Creek, WV                              | Town of Mill Creek<br>High Street<br>Mill Creek, WV 26280           | Design of water line replacement including construction documents.   | \$2,650,000                 | 95%              |
| Cowen Public Service District, Erbacon Water Line Extension                              | Cowen PSD<br>7017 Webster Road<br>Cowen, WV 26206                   | Design of 8-mile water line extension including construction documents.  | \$6,500,000                 | 90%              |
| West Virginia American Water Master Services Agreement                                   | West Virginia American Water<br>PO Box 1906<br>Charleston, WV 25327 | Design of Olcott water line extension, construction monitoring of various water line construction projects, and river water study.                     | \$5,000,000                 | 30%              |
|  |   |  |                             |                  |
|  |   |  |                             |                  |
|  |   |  |                             |                  |

TOTAL NUMBER OF PROJECTS:

TOTAL ESTIMATED CONSTRUCTION COSTS:

13 (POTESTA has completed well over 1000 projects.)

\$37,291,344



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) |
|---|---|--|------|-------------------------|
| North Edgemont Landslide Remediation  | Huntington Sanitary Board<br>555 Seventh Ave.<br>Huntington, WV 25701                       | \$750,000                                  | 2019 | Yes                     |
| South Charleston Landfill, Landfill Closure Design<br>South Charleston, WV                    | WVDEP<br>601 57 <sup>th</sup> Street, SE<br>Charleston, WV 25304                            | \$2,500,000                                | 2017 | Yes                     |
| Cheyenne Coal Sales   | WVDEP<br>Office of Special Reclamation<br>47 School Street, Suite 301<br>Philippi, WV 26416 | \$2,500,000                                | 2017 | YES                     |
| Mt. Calvary Cemetery Landslide, Wheeling, WV  | Wheeling-Charleston Diocese<br>1300 Byron Street<br>PO Box 230<br>Wheeling, WV 26003        | \$350,000                                  | 2019 | Yes                     |
| Jacob Street Landslide Repair, Morgantown, WV   | City of Morgantown<br>389 Spruce Street<br>Morgantown, WV 26505                             | \$350,000                                  | 2018 | Yes                     |
| WVDOT/DOH - Geotechnical Services, WVSR 4 Repair and Stabilization, Kanawha/Clay Counties, WV | WVDOT/DOH-Dist. 4<br>PO Box 4220<br>Clarksburg, WV 26302                                    | Emergency Project,<br>Budget not Available | 2016 | Yes                     |
| Marshall Portal Landslide Repair  | MEPCO, LLC<br>966 Crafts Run Road<br>Maidsville, WV 26541                                   | \$200,000                                  | 2018 | Yes                     |
| Crany Mine Dump<br>Wyoming County, WV   | WVDEP<br>601 57 <sup>th</sup> Street, SE<br>Charleston, WV 25304                            | \$2,200,000                                | 2016 | Yes                     |
| Nixon Ridge Landslide Remediation   | K&N Contracting<br>2976 Wills Creek Road<br>Elkview, WV 25701                               | \$2,400,000                                | 2020 | Yes                     |



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.

Potesta & Associates, Inc.'s (POTESTA) "Expression of Interest for Professional Engineering Design Services and Construction Monitoring Services for the Sardis (Saas) Landslide Project" supports this questionnaire in providing POTESTA's qualifications and resources for serving the West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands and Reclamation on this project. In summary, POTESTA:

1. Has assembled a team of in-house personnel and subcontractors who have historically worked on AML projects. POTESTA's in-house staff includes 13 Professional Engineers including 10 in the primary office, three of whom have worked on over 75 AML projects.
2. Has a large local staff with a unique multidiscipline technical emphasis (including civil engineering, structural engineering, geological engineering, hydrological engineering, mine land reclamation, with a strong emphasis on water quality and aquatic life and toxicity).
3. Has 15+ employees with experience on WVDEP AML projects. POTESTA employees have worked on and have experience in the following type of WVDEP AML projects:
  - Landslides
  - Assessment of Contamination (e.g., PCBs, asbestos)
  - Demolition of Structures
  - Diversion Structures
  - Identifying Acid Mine Drainage
  - Inventory of Residential Water Supplies
  - Water Supply Feasibility Studies and Design
  - Mine Fires
  - Passive Acid Mine Drainage Treatment
  - Reclamation of Refuse Piles
  - Sealing Mine Portals
  - Stream Relocations
  - Subsidence Assessment and Remediation
  - USCOE Permitting
  - Wetland Assessments
4. Can handle a substantial AML workload (more than our competitors) since POTESTA has three Professional Engineer (P.E.) Project Managers each with experience on 75+ AML projects.
5. Offices located in Charleston, West Virginia in close proximity to WVDEP's Charleston office, with offices in Morgantown, West Virginia close to WVDEP Bridgeport office and Winchester, Virginia.
6. Staff has had a positive relationship with WVDEP, AML in the past, which we would like to continue.

20. The foregoing is a statement of facts.

Signature: 

Title: Vice President

Date: September 3, 2020

Printed Name: Dana L. Burns, PE













