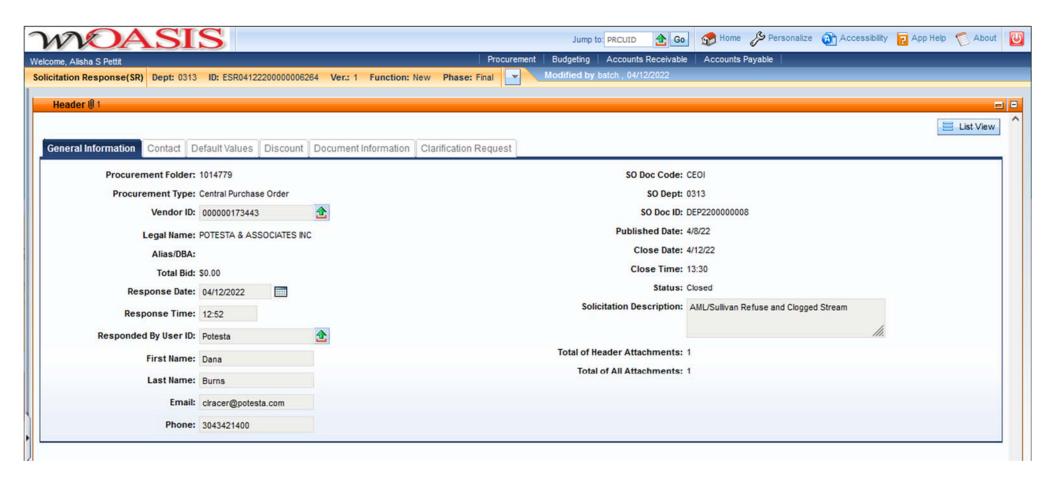
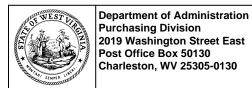


2019 Washington Street, East Charleston, WV 25305 Telephone: 304-558-2306 General Fax: 304-558-6026

Bid Fax: 304-558-3970

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.





State of West Virginia **Solicitation Response**

Proc Folder: 1014779

Solicitation Description: AML/Sullivan Refuse and Clogged Stream

Proc Type: Central Purchase Order

Solicitation Closes Solicitation Response Version 2022-04-12 13:30 SR 0313 ESR04122200000006264 1

VENDOR

000000173443

POTESTA & ASSOCIATES INC

Solicitation Number: CEOI 0313 DEP2200000008

Total Bid: 0 **Response Date:** Response Time: 2022-04-12 12:52:32

Comments:

FOR INFORMATION CONTACT THE BUYER

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

Vendor

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

FORM ID: WV-PRC-SR-001 2020/05 Date Printed: Apr 12, 2022 Page: 1

FEIN#

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	EOI Engineering Design Services				0.00

Comm Code	Manufacturer	Specification	Model #	
81100000				

Commodity Line Comments:

Extended Description:

EOI Engineering Design Services

Date Printed: Apr 12, 2022 Page: 2 FORM ID: WV-PRC-SR-001 2020/05



TRANSMITTAL MEMO

7012 MacCorkle Avenue, Charleston, WV 25304 Phone: (304) 342-1400 Fax: (304) 343-9031

To:	Mr. Jos	sh Hager		Date:	April 12, 2022
	Departi	ment of Administration,	Purchasing Division	Project No.:	0101-22-0089
	2019 W	Vashington Street East			
	Charles	ston, West Virginia 2530	05-0130		
Se	ent Via:	Mail	Federal Expre	ss Unite	ed Parcel Service
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Q	uantity		Descript	ion	
	1	Expression of Interest Sullivan Refuse and C Solicitation Number C	logged Stream	00008	
Re	emarks:				
By	: Dana	L. Burns/mh			



Prepared for:

West Virginia Department of Environmental Protection Division of Land Restoration Office of Abandoned Mine Lands and Reclamation



Sullivan Refuse and Clogged Stream Project CEOI 0313 DEP2200000008



CHARLESTON

7012 MacCorkle Avenue, SE Charleston, WV 25304 (304) 342-1400

MORGANTOWN

125 Lakeview Drive Morgantown, WV 26508 (304) 225-2245

WINCHESTER

15 South Braddock Street Winchester, VA 22601 (540) 450-0180

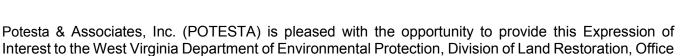
Project No. 0101-22-0089 April 12, 2022

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EXECUTIVE SUMMARY



POTESTA understands professional services for this project are to include, but not limited to:

of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML).

- Mine Portal Reclamation
- Drainage Control Items
- Erosion and Sediment Control
- Coal Refuse Reclamation
- Slope Stabilization
- Stream Restoration
- Geotechnical Evaluation
- Hydrologic and Hydraulic Analysis

POTESTA is highly experienced in providing the services necessary to meet the project goals:

- Developing construction plans and technical specifications for all aspects to reclaim mine portals, drainage control, slope stabilization, coal refuse reclamation, stream restoration, and erosion and sediment control.
- Obtaining required permits.

POTESTA centers itself on understanding the client to achieve a successful project outcome. We believe POTESTA's current track record with AML, water and sewer, civil/site, and recreational projects demonstrates our ability, experience, and commitment for the Sullivan Refuse and Clogged Stream Project.

POTESTA has assembled a team that has historically served WVDEP, AML on numerous AML projects. In fact, our staff has worked on over 160 AML projects for WVDEP (and more in other states) on four different WVDEP, AML contracts dating back into the mid-1980s. We have an ongoing workload with WVDEP, AML.

POTESTA has completed projects involving geotechnical, civil, structural, geological, hydrological and reclamation engineering; land use and natural resource planning; soil science/agronomy; hydrology/geology; stream and water restoration; and post reclamation land uses. We also have open ended statewide contracts with various state agencies. In addition, we have the preeminent staff in West Virginia for addressing issues regarding geotechnical design and remediation. As a result, POTESTA will provide the required expertise to complete this AML project in a timely, economical, and efficient manner.



CORPORATE PROFILE



HISTORY

POTESTA was founded in 1997 as a full-service engineering and environmental consulting firm headquartered in Charleston, West Virginia. We have now expanded to a diverse staff of 74 experienced engineers, scientists, and support personnel with branch offices in Morgantown, West Virginia, and Winchester, Virginia. Our clients include local, state and federal agencies; mining, manufacturing and chemical companies; utility companies; waste management companies; K-12 schools/colleges/universities; land developers; attorneys; financial institutions; insurance companies; construction companies; and architects.



SERVICES

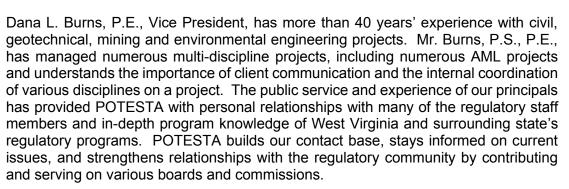
- Air Permitting
- Biological and Toxicological
- CADD/GIS
- Civil Engineering and Design
- Construction Monitoring
- Environmental Site Assessment
- Geotechnical Engineering
- Groundwater

- Hydrology and Hydraulics
- Landfills and Solid Waste
- Litigation Support
- Mining
- Occupational Safety and Health
- Oil and Natural Gas Consulting
- Permitting
- Remediation

- Roadway Engineering
- Sampling
- Site Design
- Storage Tanks
- Surveying and Mapping
- Water and Wastewater
- Water Quality
- Wetlands

LEADERSHIP

Our firm is managed by two principals driving POTESTA forward with their experience and emphasis on exceeding expectations. Ronald R. Potesta, President, has served as the Director and Deputy Director of West Virginia's Department of Natural Resources (WVDNR) which, during his tenure housed all of the environmental regulatory programs, had an annual budget of \$23 million and 700 full-time employees. The agency at that time encompassed state environmental regulatory programs, wildlife management, and law enforcement.





Ronald R. Potesta



Dana L. Burns



TECHNICAL EXPERTISE



The diversity of POTESTA's staff and their personal coal industry experience enable POTESTA to complete mining projects in all phases, from design to permitting. POTESTA's staff members belong to the Kanawha Valley Mining Institute, West Virginia Coal Association, Kentucky Coal Association, and groups that meet periodically to discuss technical, regulatory, environmental and other mining-related issues. Knowledge of potential changes in policies, regulations, etc. is vital to keep our companies informed and projects on the forefront of a constantly moving regulatory system. POTESTA understands that cost-effective designs and responsiveness are of the utmost importance in order to complete our clients' projects.

POTESTA has completed several AML projects and projects similar to a WVDEP, AML type project. These include design and permitting of landslides, refuse piles and slurry impoundments, evaluating mine drainage from pre-SMCRA sites, reclamation designs for WVDEP, sanitary and storm sewer design, landfill closure assistance program (LCAP) projects, stream monitoring, development of grading plans, mine reclamation liability assessments, watershed assessments including evaluation of impact from acid mine drainage (AMD) including AMD from pre-SMCRA sites, detention pond designs, wetland/stream studies, natural stream design, mine site design and permitting, and design of numerous storm water structures.

We have the preeminent staff in West Virginia for addressing issues regarding the abatement of problems associated with abandoned mine lands. POTESTA has assembled a successful team of employees that have 125+ years' experience working on WVDEP, AML projects and AML projects in other states. POTESTA has 20+ employees with experience on WVDEP, AML projects.

- Passive Acid Mine Drainage Treatment
- Assessment of Contamination (e.g., PCBs, asbestos)
- Demolition of Structures
- Diversion of Stormwater
- Identifying and Controlling Acid Mine Drainage
- Mine Fires
- Landslide Stabilization

Appendix B includes our AML and Related Project Experience Matrix. These documents provide information on the education, qualifications, and previous experience of our professionals and support staff. The AML and Related Project Experience Matrix especially shows the number of AML reclamation projects completed.

- Reclamation of Refuse Piles
- Sealing Mine Portals
- Stream Relocations
- Subsidence Assessment and Remediation
- USCOE Permitting
- Water Line Design
- Water Supply Feasibility Studies and Design
- Inventory of Residential Water Supplies
- Wetland Assessments





TECHNICAL EXPERTISE



CIVIL ENGINEERING/SITE PLANNING

POTESTA's engineering staff has a broad background related to the vast field of civil engineering, including utility/infrastructure design, roadway design, development of grading plans, and storm water management. Our diverse staff of engineers, geologists, and scientists is routinely involved in these types of projects and work to support the project teams assigned to these projects on a daily basis to achieve a completed project that meets the client's expectations.

Once a project has been determined feasible through the preliminary planning stages, POTESTA's design professionals work to complete preliminary and final design plans. Frequent communication is made with the client and other design professionals to review the completed activities and obtain input for the design process.

- Site Selection/Siting Studies
- Access Roadway Design and Layout
- Utility Design/Relocation
- Earthwork Optimization
- Site Development Grading and Drainage Plans
- Hydraulic Structure Design
- Earth Retaining Structures
- Stormwater Management Plans
- Erosion and Sediment Control Plans

- Geometric Site Layout
- Vehicular and Pedestrian Circulation
- Grading and Drainage Plans, Including Excavation and Fill Optimization
- Water and Sewer Design
- Slope Stability Analysis
- Subsurface Drainage System Design
- Construction Drawings, Specifications, and Contract Document Preparation

POTESTA has a significant body of work in site design for residential, commercial and industrial clients. We have assisted numerous developers and development agencies with the creation of business industrial parks throughout West Virginia, and have been part of design teams for elementary, secondary and collegiate projects primarily associated with new building construction.





TECHNICAL EXPERTISE



POTESTA proposes to utilize our own survey crews for work on this project. POTESTA will perform of the surveying required for this project using in-house personnel. Our surveyors are experienced in all aspects of surveying such as topographic mapping, boundary and property surveys, and construction surveys for layout of work, record drawings, and quantity measurements. Our surveyors have worked on numerous site development, roadway and bridge construction, utility construction, and landfill development.



POTESTA is equipped with modern surveying instruments allowing efficient data processing and accurate gathering of

field information. Total station instruments equipped with data collectors are utilized for complete field to office automation allowing for high levels of productivity in the field. The latest versions of software are then used to process survey data and create drawings or required end products.

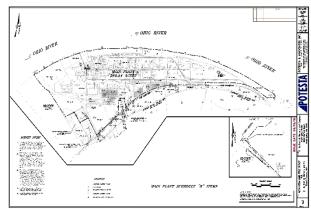
Small topographic mapping projects can be completed in-house using the aforementioned process. Larger projects are better suited for mapping using aerial photography. If necessary, POTESTA will provide the necessary surveying required for establishing ground control for aerial mapping in conjunction with our aerial mapping subcontractor. As a quality control measure, aerial mapping is field checked for accuracy by surveying cross sections or random points.

Surveys and mapping are completed to the standards as outlined by the National Map Standards as well as other applicable quality standards.

CADD

The CADD department utilizes the latest drafting/design software and computer hardware to maintain productivity at the high levels that clients demand and expect. We utilize Autodesk Civil 3D design software to prepare, revise, and manipulate drawings and engineering data efficiently. POTESTA's experienced and trained professionals allow clients' projects and assignments to be completed rapidly and at a reasonable cost.

- Surveying data manipulation including development of topographic mapping, cross sections, profiles, isopach drawings, etc.
- Site design including grading plans, drainage plans, utilities plans, right-of-way plans, etc.
- Roadway design
- Water, sanitary, sewer, electric, natural gas, and telecommunications design
- Permit drawings, maps, and exhibits
- Earthwork and planimetric quantity development
- Two- and three-dimensional graphics





TECHNICAL EXPERTISE



GEOTECHNICAL ENGINEERING

POTESTA's staff is very familiar with terrain ranging from plateaus to mountains. West Virginia and Virginia encompass rugged terrain, which presents unique challenges and hazards to mitigate threats. Our vast experience in our region has resulted in innovative approaches to the various challenges that the topography and geology present.

POTESTA can provide field engineers and geologists who are knowledgeable using the latest technologies subsurface explorations, monitoring well and piezometer installations, foundation design recommendations, slope stability analysis, retaining walls, and remedial designs as they relate to construction, mining, waste disposal, environmental remediation, and other projects. Our knowledge of the proper procedures and familiarity with local conditions allows office and field personnel to adjust the exploration plan if unanticipated field conditions are found.

SUBSURFACE EXPLORATIONS

- Attend an initial meeting with the client
- Conduct preliminary site reconnaissance
- Develop a recommended exploration program

SLOPE STABILITY ANALYSIS AND REMEDIAL DESIGN

- Utilize various methods to predict slope stability
- Analysis of existing or proposed soil embankments, rock fills, dam analysis and design, landfill design and operation, assessing the causation of slope failure, and designing remedial measures
- Analyses circular or sliding block methods, interface friction angles, and estimate of the strength parameters of the soil or rock
- Develop preventive measures during initial project design or recommendations for to repair slope failures
- Consider various remedial measure regarding the site to obtain more suitable conditions, management of groundwater, and design of retaining structures
- Familiar with wide variety of retaining structures gabion baskets, soldier beam and lagging walls, sheet piles, reinforced concrete and reinforced earth slopes

FOUNDATION DESIGN RECOMMENDATIONS

- Experience with various types of foundations and will recommend the appropriate type of foundation given the anticipated application and site conditions
- Foundations spread and strip footings, steel piles, auger-cast concrete piles, drilled piers, and reinforced mats
- Preliminary foundation design recommendations and cost analyses
- Preliminary alternatives for final recommendation
- Construction documents
- Final recommendation construction drawings, technical specifications, recommendations for allowable bearing capacity, engineer's construction cost estimate, and contractor's bid sheet



TECHNICAL EXPERTISE



PERMITTING

Acquiring environmental permits is a critical element for the success of every project. POTESTA offers its clients exceptional expertise and experience when it comes to the permitting process, including all phases of application preparation, negotiations, modifications, compliance, and renewal at all levels of government. POTESTA has prepared the required environmental documents for numerous roadways, cross country pipelines/high voltage power lines, and site developments. POTESTA has the experience and knowledge and the regulatory relationships to provide timely, cost-effective solutions to your permitting needs.

POTESTA has completed numerous projects including environmental assessments, environmental impact statements, categorical exclusions, cultural resource studies, endangered species assessments, environmental compliance with various federal and state regulations (Clean Water Act [CWA], NEPA, and Endangered Species Act), permitting, wetlands delineation/mitigation, sampling and remediation.

Permits typically required for projects:

- Environmental Site Assessments
- Environmental Impact Statements
- Stormwater Management Permits
- Air Quality Permits
- Wetland Delineation and Mitigation Permits
- National Pollutant Discharge Elimination System (NPDES) Permits
- Groundwater Protection Plans
- Spill Prevention, Control and Countermeasure Plans
- Floodplain Management Studies and Permits



MANAGEMENT AND STAFFING









STAFF PROFILE

Total Staff: 74

- 16 Civil Engineers
- 16 Construction Technicians
- 4 Geotechnical Engineers
- 1 Geologist
- 6 CADD Operators/Draftsman
- 6 Surveyors
- 1 Mechanical Engineer
- 2 Aquatic Biologists
- 4 Biologists
- 2 Chemical Engineers

- 1 Fish & Wildlife Specialist
- 1 GIS Specialist
- 1 Horticulturalist
- 2 Environmental Scientists
- 1 Toxicologist
- 1 Economist
- 1 Aquatic Culturist
- 1 Information Technologist
- 10 Administrative Personnel



Included are 13 registered professional engineers (P.E.), 5 registered professional licensed land surveyors (P.S.), 5 Licensed Remediation Specialists (L.R.S.), 8 West Virginia Transportation Engineering Technicians, and one Ph.D. whose specialties include aquatic biology and water quality. POTESTA has assembled a team that has historically served WVDEP, AML on numerous AML projects. In fact, our staff has worked on over 160 AML projects for WVDEP (and more in other states) on four different WVDEP, AML contracts dating back into the mid-1980s.

ABILITY OF STAFF

- POTESTA's current workload is such that we can immediately provide construction technicians, engineers, CADD designers, and survey crews to work on this project.
- Low turnover means interacting with the same POTESTA staff 13 registered Professional Engineers on staff with combined experience over 370 years and are supported by a capable team of engineers, designers, and surveyors.
- We have ability to take project from planning through construction we have successfully completed similar projects.
- We stand ready to commit the personnel and resources required to complete this project in a timely, technically sound, and cost-efficient manner.
- POTESTA's large staff size will allow us to work on this project on an accelerated schedule, if necessary.
- POTESTA carries a full line of insurance coverage, including general liability, errors and omissions, and workers' compensation.
- We also have and follow a stringent internal quality control system designed to provide our clients with quality products.
- POTESTA believes the quality of our work is best exemplified by approximately 85 percent of our workload coming from repeat clients.







Charleston Office

Morgantown Office

Winchester Office



MANAGEMENT AND STAFFING



KEY SENIOR PROJECT TEAM

Good communication is the key for successful project completion. POTESTA listens to our clients and works to specify products that meet your needs. POTESTA has experience in developing this type of project and moving them through the process from start to finish.

Mr. Dana L. Burns, P.E., Vice President at POTESTA, will serve as principal-in-charge for this project. As such, he will direct POTESTA's staff, answer questions, address problems encountered and review the project budget. Mr. Burns has over 41 years of experience with civil and environmental engineering projects, including water line extensions, sealing portals, regrading refuse, site assessments, mine fires, preliminary feasibility evaluations, detailed design, and preparation of construction drawings, specifications, and bid documents. Mr. Burns has served as project manager or principal-in-charge on three open end contracts for WVDEP, AML from 1986 through 1997 totaling over 65 projects. In addition, Mr. Burns has served as the principal-in-charge for numerous other WVDEP, AML projects since 2003.

Mr. Mark Kiser, P.E., Chief Engineer, will serve as the project manager for this project. Mr. Kiser has over 37 years of engineering experience and has worked on over 75 different AML projects for WVDEP. His AML experience includes abandoned surface and deep mine reclamation; mine portal and shaft closures; hydraulic and hydrologic design/evaluation; landslide investigation and stabilization; remining explorations; mine refuse fire abatement and extinguishing plans; subsidence explorations and stabilization plans; water feasibility studies and water system design; construction observation and management plans; natural stream restoration projects; geotechnical explorations; slope stability analyses; preparation of construction drawings, specifications and engineers estimates; and directing both pre-bid and pre-construction meetings. Mr. Kiser is familiar with management of subcontractors, as well as managing staff and equipment needs for the design team.

Mr. Christopher Grose, L.R.S., Senior Engineering Associate, has over 31 years of experience and will serve as geotechnical engineer for this project. His areas of expertise include geological/geotechnical explorations, surface/subsurface hydrology, hydrogeology, and landslide causation analysis/stability modeling/failed slope restoration. Mr. Grose's experience includes the design and evaluation of geotechnical explorations related to bridges, culverts, earth retention structures, slope stability and engineered fill construction. Mr. Grose currently oversees aspects of geotechnical work at POTESTA in their Charleston, West Virginia office and has worked on WVDEP, AML projects since 1990. Mr. Grose will evaluate slope stability issues with respect to regraded coal refuse, landslide abatement, or other steep slope applications.

Mr. Terence C. Moran, P.E., Senior Engineer, will serve as project advisor if needed. Mr. Moran has served as project manager/project engineer or assisted with over 60 AML projects in West Virginia and Virginia. Mr. Moran has 34 years of experience in civil and environmental engineering projects, including evaluation, design, preparation of plans and specifications, and construction administration. Mr. Moran has co-authored multiple papers, including one on the abatement of AMD at the Omega Mine site and another on evaluating AMD of AML sites during pre-acquisition site assessments. Messrs. Kiser and Moran have worked on AML projects that addressed such technical issues as AMD, sealing portals, regrading refuse, diverting stormwater, landslides, subsidence and water supply. Messrs. Kiser and Moran are both familiar with requirements of AML projects and will ensure that WVDEP is satisfied with POTESTA's work by ensuring that proper QA/QC and timeliness are adhered to.



MANAGEMENT AND STAFFING



Mr. Tim Rice, E.I.T., Senior Engineer, will serve as the project engineer available for reclamation plan preparation and design. Mr. Rice has over 39 years of full-time experience and has worked on nearly 80 different AML projects for West Virginia, Maryland, Ohio, and Pennsylvania. His AML experience includes abandoned surface and deep mine reclamation; mine portal and shaft closures; hydraulic and hydrologic design/evaluation; remining explorations; mine refuse and deep mine fire abatement and extinguishing plans; slope stability analyses; preparation of construction drawings, specifications and engineers estimates; and directing both pre-bid and pre-construction meetings. Mr. Rice is familiar with management of subcontractors, as well as managing staff and equipment needs for the design team.

Mr. David B. Sharp, P.E., is the Branch Manager of POTESTA's Morgantown office. Mr. Sharp is a registered professional engineer in Maryland, West Virginia, Pennsylvania, Ohio, and Kentucky. Mr. Sharp has over 26 years of experience with engineering and environmental consulting projects throughout the region. Mr. Sharp obtained his bachelor's and master's degrees from West Virginia University and has spent a large part of his career involved with geotechnical engineering and construction observation/management projects. Mr. Sharp has worked on and managed numerous projects involving landslide investigation and repair projects, mine permitting, mine reclamation, acid mine drainage, hydrology, and many other components that would typically be encountered on an abandoned mine reclamation project. Many of these projects have included preliminary planning and assessments, as well as geotechnical engineering, assessments of potential treatment technologies, and preparation of bidding and construction documents.

Messrs. Jeremi Stawovy, E.I.T., and Peter S. Potesta, Staff Engineers, have over 20 years of combined experience in geotechnical engineering with an emphasis in landslide design, repair, and causation investigation. Other areas of expertise include civil and site development projects with an emphasis in geotechnical engineering and construction. Responsibilities have included geotechnical evaluations including management of subsurface explorations, settlement analysis, slope stability modeling, foundation analysis, well pad and horizontal directional drill construction, roadway improvements/repairs, and commercial/residential construction.

Mr. Burns' and Mr. Kiser's Registered Professional Engineer certificates are included on the following pages, along with an organizational chart.

References:

Office of Surface Mining Reclamation and Enforcement, Charleston Field Office

Mr. Mike Richardson Physical Scientist 1027 Virginia Street, East Charleston, WV 25301 (304) 613-1757 mrichardson@osmre.gov **Huntington Sanitary Board**

Mr. Pat Taylor, P.E. PO Box 7098 Huntington, WV 25775 (304) 993-7999 ptaylor@huntingtonsb.com

Our capabilities, qualifications and expertise in design of AML projects are further exemplified in the Prior Experience section.



MANAGEMENT AND STAFFING

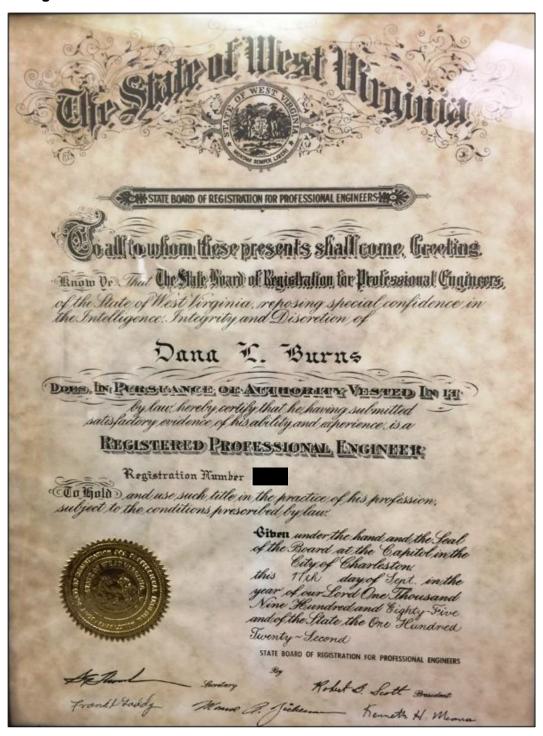








Principal-In-Charge



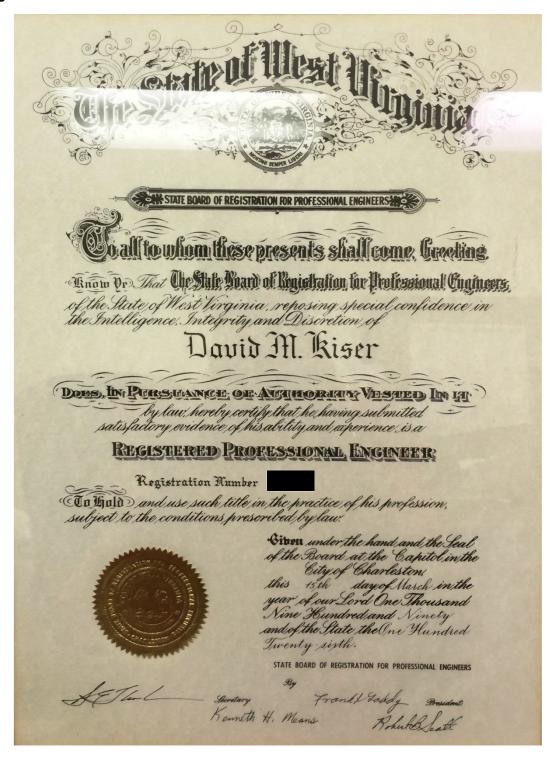


MANAGEMENT AND STAFFING



Primary Staff Professional Certifications

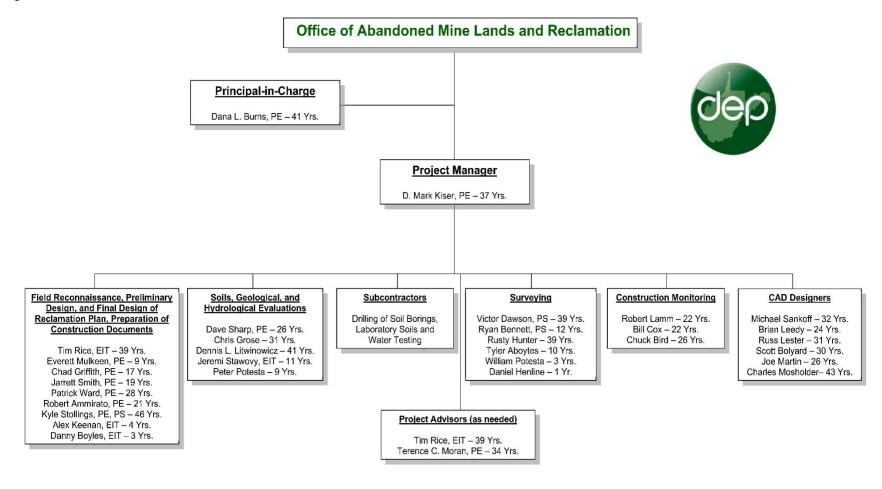
Chief Engineer





MANAGEMENT AND STAFFING

5





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PRIOR EXPERIENCE

SUNDIAL (HATFIELD) REFUSE PILES

West Virginia Department of Environmental Protection Office of Abandoned Mine Lands Raleigh County, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Department of Environmental Protection's Office of Abandoned Mine Lands (WVDEP) to prepare a reclamation design for the Sundial Refuse Piles in Raleigh County, West Virginia. The site was a former mining complex and included four distinct refuse piles that lacked vegetation and were eroding, open mine portals, and abandoned structures such as hoist houses.

As part of this project, the following were completed:



- Ground survey.
- Geotechnical exploration.
- Preparation of construction drawings, technical specifications, bid form, and engineer's estimate of probable construction costs.



The reclamation design anticipated approximately 372,000 cubic yards of earthwork, 15,000 feet of drainage channel, 3,000 feet of underdrains, 26 mine seals, and demolition and removal of numerous structures, including historic mine cars.

The project was bid at a construction price of approximately \$3,700,000.

As part of the project, POTESTA assisted the WVDEP with contract administration and performed construction observation services during the construction phase of the project.



PRIOR EXPERIENCE

MILL CREEK REFUSE PILE

West Virginia Department of Environmental Protection Office of Abandoned Mine Lands Gary, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Department of Environmental Protection (WVDEP) to prepare and design plans and specifications to reclaim an abandoned mine land site located near Gary, West Virginia. Work to reclaim the site included the removal of debris, refuse relocation and compaction, 1-foot soil placement, tree removal, and regrading.

Development of engineering reports, construction plans, and specifications for the stabilization of the Mill Creek mine refuse site.





Provision of plans and specifications which include, but are not limited to, plan views, cross sections, maps, photographs, and drawings.

Final design is to meet the WVDEP standards.

PRIOR EXPERIENCE



West Virginia Department of Environmental Protection Office of Abandoned Mine Lands and Reclamation Wyoming County, West Virginia

Potesta & Associates, Inc. (POTESTA) was selected by the West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands and Reclamation (WVDEP, AMLR) to design an emergency plan, prepare bidding and contract documents, and provide support to abate problems from an eroding coal refuse dam. Coal refuse, soil, and rock were eroding from the steeply sloped, uncovered portion of the coal refuse pile. Eroded coal refuse washed over two Norfolk Southern Railroad tracks suspending service to a coal loadout facility. POTESTA was requested to expedite engineering work in order that WVDEP,



AMLR could bid the project and stabilize the eroding coal refuse so that the railroad could be placed back into service.

POTESTA performed field reconnaissance, analyzed surface runoff flow patterns, and quantified surface runoff discharge rates from the approximately 40-acre refuse pile located at the bottom of a 160-acre watershed.



POTESTA provided a survey crew and engineer that selected and staked proposed drainage channels and culverts in the field. Utilizing the survey information, POTESTA prepared plan view drawings, channel and culvert profiles, and details depicting the proposed abatement measures to control surface water and minimize erosion.

The plan included 7,150 linear feet of riprap and grouted riprap channels to carry surface runoff over and around the steep coal refuse pile. The project included twin 72-inch reinforced concrete pipes

installed beneath the railroad and a 5-foot by 10-foot concrete box culvert to carry runoff under WV Route 85 to the receiving stream. POTESTA obtained approvals from Norfolk Southern Railroad and the West Virginia Division of Highways so that construction could proceed.



PRIOR EXPERIENCE

JOHN'S BRANCH COAL REFUSE DAM AML RECLAMATION PROJECT

West Virginia Department of Environmental Protection Office of Abandoned Mine Lands and Reclamation Wyoming County, West Virginia



Potesta & Associates, Inc. (POTESTA) was selected by the West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands and Reclamation (WVDEP, AMLR) to design a reclamation plan and prepare bidding and contract documents for the John's Branch Coal Refuse Dam Project in Wyoming County. The site was an abandoned, unreclaimed coal refuse pile and impoundment, approximately 40 acres in size. A large portion of the coal refuse pile was poorly vegetated with steep slopes and severe erosion. Eroded coal refuse was eroding from the site and entering

surface water receiving streams. The eroding coal refuse was also impacting the Norfolk Southern Railroad by filling railroad ditches, blocking cross culverts, and covering the railroad tracks. Rail service on the tracks was suspended due to the severe erosion.

POTESTA developed a reclamation design; prepared technical specifications, drawings, contractor's bid form, engineer's construction cost estimate and calculations brief; prepared a construction stormwater National Pollutant Discharge Elimination System (NPDES) application; and assisted WVDEP, AMLR with pre-bid and pre-construction meetings. POTESTA's reclamation design included regrading of the coal refuse pile to flatten steeply sloped portions of the refuse pile and to establish benches or terraces on the face of the coal refuse pile to control erosion and surface runoff. POTESTA designed a system of surface water drainage



channels to control runoff. The reclamation plan included soil covering coal refuse and revegetation. A portion of the top of the coal refuse pile was covered with wetland vegetation. Two natural gas wells also existing on the top of the refuse pile. POTESTA's reclamation plan preserved and protected these areas, avoiding negative impacts.

POTESTA identified soil and rock borrow areas for the contractor's use for obtaining soil cover material and rock riprap for surface water channel linings. POTESTA also coordinated with a natural gas producer to temporarily move natural gas production lines crossing the surface of the coal refuse pile so that reclamation could be completed.



PRIOR EXPERIENCE



West Virginia Department of Environmental Protection Office of Abandoned Mine Lands Wyoming County, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Department of Environmental Protection's Office of Abandoned Mine Lands (WVDEP) to regrade/cover all refuse material with at least 12 inches of topsoil, remove all debris from the site, and to stabilize Measle Fork and the stream bank due to refuse encroaching the water way.

The Measle Fork Refuse area was a 25-acre site with 7 acres of steep slopes with exposed refuse to be regraded and covered. Approximately 2,600 feet of Measle Fork were stabilized to protect the stream and prevent further erosion of the stream bank and potential for refuse to enter the stream. The regrading and stream bank protection included three terraced planting areas. The site was also provided with 4,500 feet of drainage channels.

POTESTA prepared drawings, technical specifications, contractor's bid forms, engineer's construction cost estimate, and calculations brief for the project. POTESTA also attended the pre-bid and pre-construction conferences to assist WVDEP with the project.





PRIOR EXPERIENCE

GEORGE'S CREEK (LUCAS) LANDSLIDE MAINTENANCE

West Virginia Department of Environmental Protection - Office of Abandoned Mine Lands Kanawha County, West Virginia



Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Department of Environmental Protection - Office of Abandoned Mine Lands (WVDEP) to evaluate and perform geotechnical engineering services for a landslide related to historic mining activity which was threatening a nearby residential structure.

A portion of the existing hillside immediately adjacent to the rear of the residential structure was excavated prior to construction of the structure to a near vertical

slope exposing weathered shale and a coal seam near the slope's base. The exposed coal seam was determined to be the No. 2 Gas seam which was reportedly mined in the 1950s. Some drainage was noted flowing from the coal seam and the resulting water was conveyed through a nearby culvert to Georges Creek. Attempts were made by WVDEP to excavate loose rock and soil from the hillside in an effort to improve stability of the slope. Following this initial work, the slope continued to slough with periodic small slides and slope movement believed to be caused by continued subsidence of the underground mine works.

POTESTA performed a subsurface exploration to assist in evaluating the landslide condition, including the type and condition of the rock located in the slope, as well as the attitude, thickness and condition of the underlying coal seam. POTESTA survey crews also completed a topographic survey of the affected area including the surrounding residential structure, drains and wooded hillside. The remedial measures to correct the landslide area included the design of a 25-foot high steel soldier beam and concrete lagging retaining wall with sloped, compacted backfill constructed from on-site materials. The retaining wall design required the application of a



rock anchor tie-back system due to mine voids existing at the base of the hillside slope that were encountered during the subsurface exploration.

As part of the project, POTESTA assisted the WVDEP with contract administration and performed construction observation services during the construction phase.



PRIOR EXPERIENCE

LAKE LYNN COMPLEX

West Virginia Department of Environmental Protection Office of Abandoned Mine Lands Monongalia County, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Department of Environmental Protection's Office of Abandoned Mine Lands (WVDEP) to evaluate the Lake Lynn Complex Project. This project consisted of three separate sites including 15 mine portals, three highwalls (totaling approximately 1,400 lineal feet), and the demolition/removal of miscellaneous areas of mining debris, garbage, and abandoned mine structures. Our services included:

- Drilling of the refuse piles, mine portals and potential soil borrow areas.
- Field survey to develop site mapping.
- Regrading of the refuse piles to stabilize the three highwalls that included 50,000 cubic yards of earthwork.
- Design of drainage control structures including limestone lined channels to reduce acid mine drainage.
- Design of nine wet mine seals and six dry mine seals, with seven of the wet seals and two of the dry seals including bat gate outlets.

POTESTA performed a subsurface exploration, prepared construction level drawings, technical specifications, bid documents, engineer's opinion of probable cost, and a calculations brief for the project. POTESTA also prepared permit applications for WVDEP stormwater and West Virginia Division of Highways project entrances. POTESTA also plans to attend pre-bid and preconstruction conferences with WVDEP.



Site 2: Proposed Bat Gate Wet Mine Seal Location/Highwall Area

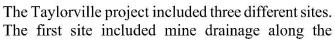


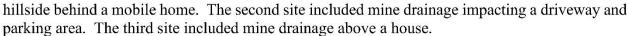
PRIOR EXPERIENCE

TAYLORVILLE (CANTRELL) DRAINAGE

West Virginia Department of Environmental Protection Office of Abandoned Mine Lands Mingo County, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Department of Environmental Protection's Office of Abandoned Mine Lands (WVDEP) to evaluate and develop a reclamation design for mine drainage impacting a community in Taylorville, Mingo County, West Virginia. POTESTA completed field reconnaissance and surveying to develop topographic mapping, and prepared construction bid documents for the reclamation design.







POTESTA designed underdrains to collect and convey drainage from the first two sites to the West Virginia Division of Highways (DOH) right-of-way. Approximately 1,100 feet of new corrugated plastic pipe with DOH Type G drop inlets were designed to convey mine drainage to Pigeon Creek, while also handling storm water from the DOH roadway. A standard wet mine seal was designed with riprap channels to handle the mine drainage at the third site.

POTESTA prepared drawings, technical specifications, contractor's bid forms, engineer's

construction cost estimate, and calculations brief for the project. POTESTA also attended the pre-bid and pre-construction conferences to assist WVDEP with the project.



PRIOR EXPERIENCE

LANDO (EDWARDS) DRAINAGE

West Virginia Department of Environmental Protection Office of Abandoned Mine Lands Lando, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Department of Environmental Protection's Office of Abandoned Mine Lands (WVDEP) for a project that included the regrading of mine spoil that had been formerly disposed of in this area, as well as installation of mine portal seals and drainage improvements. The project consisted of three sites:

- A refuse pile graded to flattened slopes and topped with a soil cover.
- Channeling and diverting into nearby streams some drainage affecting nearby residences.
- Rehabilitating two existing mine seals and installing one new mine seal.





POTESTA's work on the project included surveying and development of mapping, as well as development of the repair, drainage and reclamation plans.

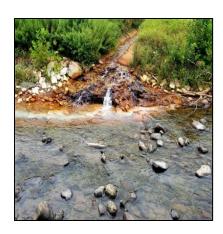
POTESTA prepared drawings, technical specifications, contractor's bid form, engineer's construction cost estimate, and calculations brief for the project. POTESTA also attended the pre-bid and pre-construction conferences to assist WVDEP with the project.

PROJECT MANAGEMENT



POTESTA's proposed project organization chart including key staff and subcontractors was presented on Page 13 of this EOI. Work will be performed at POTESTA's Charleston, West Virginia office or on site as may be required.

POTESTA's professional, technical, and support staff have extensive experience on WVDEP-AML including many AMD investigation and remediation projects as well as reclamation/drainage projects. We are well qualified to serve WVDEP on this project. We stand ready to commit the personnel and resources required to complete this project in a timely, technically sound, and cost-efficient manner. POTESTA's large staff size will allow us to work on this project on an accelerated schedule if necessary.





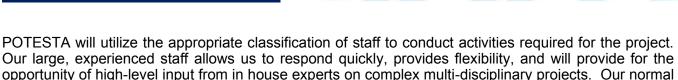
POTESTA's principal-in-charge will be responsible for contract management (administration) and shall coordinate and direct all aspects of the project. The principal-in-charge will review the proposed project, work with the project manager to assemble a project team and appoint key staff to develop a proposed scope of work. The principal-in-charge and project manager will visit the site with WVDEP, AML to review site conditions and the proposed services to be completed and guide the preparation of a detailed proposal and cost estimate. A written proposal including a detailed scope of work and an associated manhour and cost estimate will then be prepared and submitted to WVDEP, AML for review. The project manager will review the proposal with the WVDEP, AML including a taskby-task discussion of work items and the related costs. Upon WVDEP, AML's approval of the proposal, the project manager will arrange for the start of project activities. The principal-in-charge will provide the project manager the required staff and resources necessary to complete the project activities, will review the project budget and schedule during performance of the project, and will provide a final QA/QC review of the

documents prior to submittal to the WVDEP, AML. Mr. Dana Burns, P.E. will serve as the principal-in-charge on this project. Day-to-day project activities for this project will be performed under the direction of our project manager, Mr. Mark Kiser. The project manager will develop a detailed step by step project work plan so that the project activities are completed in a correct manner, on budget, and on time. They will also review work products at intermediate points and prior to project completion. They will conduct project status reports which may include weekly meetings, memos, or telephone calls with the WVDEP, AML project manager as required. The project manager will supervise the day-to-day work in progress, will coordinate with POTESTA's subcontractors to provide necessary services, and review work products at intermediate points and prior to submittal to the WVDEP, AML.





PROJECT MANAGEMENT



opportunity of high-level input from in house experts on complex multi-disciplinary projects. Our normal method of staffing projects is to assign a small project team with total responsibility for completion of the work to the client's satisfaction and budget. Where necessary, the team can draw on the expertise available within POTESTA's large staff. POTESTA offers a large staff with the efficiency and rates normally associated with a small firm.

WVDEP, AML has indicated that preliminary design documents will be due 60 calendar days from the issuance of the Purchase Order to the awarded vendor for the Sullivan Refuse and Clogged Stream Project. If selected, POTESTA stands ready to meet your timeframe.

Project Budget Control

The project manager will be responsible for monitoring the project budget and keeping the principal in charge informed of its status. POTESTA's staff enters time into POTESTA's InFocus computer system on a daily and/or weekly basis. POTESTA's project managers can access InFocus at any time, thus allowing "real time" control of project costs. In addition, field representatives routinely keep track of subcontractor costs on a daily basis. Thus, we can, in effect, keep track of the total project costs on a weekly basis. Our subcontractors commonly invoice at monthly intervals and there is seldom a discrepancy between our field representative's pay items and our subcontractor's invoice.

Schedule Control

Direct responsibility for schedule control lies with the project manager. Initially, the project manager will review schedule requirements (understood to be 60 days for submittal of preliminary design documents) to see how they can be achieved given the anticipated scope of work. As the project progresses, the project manager will monitor progress and compare it with the established schedule on a weekly basis keeping the principal in charge aware of the schedule's status. In this manner, the principal-in-charge can make staff adjustments to allow the project manager to maintain the project schedule. If circumstances develop that make it impossible to maintain the project schedule, the project manager will contact the WVDEP project manager to develop a mutually acceptable adjustment to the schedule and/or work plan.

Location of Facilities

POTESTA will complete the work under this contract in our Charleston, West Virginia office. Our subcontractors are located in the Charleston area or other strategic locations and are quite familiar with the location of the subject site.

Quality Assurance/Quality Control

Submittals to the WVDEP will be reviewed and commented on by the project manager and the principal-in-charge prior to submittal to the WVDEP. Both the project managers and the principal in charge have worked on numerous WVDEP, AML projects, and thus understand the level of detail and expectations for WVDEP, AML projects. POTESTA utilizes standardized Quality Assurance/Quality Control (QA/QC) practices such as consistency checks, color coding of checked copies/calculations, and review of method of measurements versus quantity tallies to meet QA/QC expectations.



PROJECT MANAGEMENT



Certificate of Liability Insurance

POTESTA carries a full line of insurance coverage including general liability, errors and omissions, and workers' compensation.

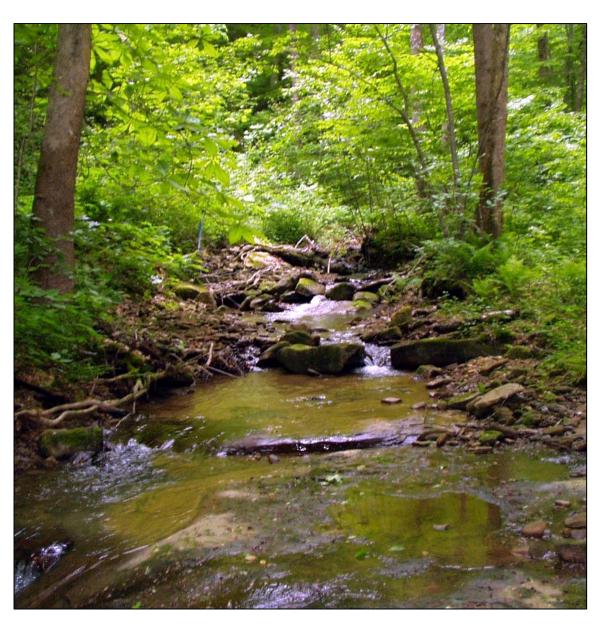
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Suite 980 McLean, VA 22102			ADDRES			RDING COVERAGE		NAIC#
				RA: Valley	Forge Insu	rance Company A(X\		20508
INSURED						ance Company A(XV)		35289
Potesta & Associates, Inc. 7012 MacCorkle Avenue, SE			70.00				4(XV)	20478 35378
Charleston, WV 25304			INSURER D : Evanston Insurance Company 35378 INSURER E : INSURER F :					33370
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CLOSING

We look forward to continuing to serve WVDEP, AML on the Sullivan Refuse and Clogged Stream Project and bring it to completion. Our staff has an abundance of experience with AMD and drainage improvement projects throughout the region and will make our experienced personnel immediately available for this project. Our commitment is to provide quality service, rapid response, project completion, and to exceed your expectations for services performed under this project. We believe the track record of our professionals demonstrates our abilities and we look forward to once again serving WVDEP AML and our great Mountain State.





APPENDIX A

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AML CONSULTANT QUALIFICATION QUESTIONNAIRE Attachment "A"							
PROJECT NAME AML/Sullivan Refuse and Clogg	DATE (DAY, MONTH, YEAR) 12, April, 2022			FEIN 311509066			
FIRM NAME Potesta & Associates, In	c.	2. HOME OFFICE BUSINESS ADDRESS 7012 MacCorkle Avenue, SE Charleston, West Virginia 25304		3. FORMER	3. FORMER FIRM NAME		
4. HOME OFFICE TELEPHONE (304) 342-1400	1997	ISHED (YEAR)	6. TYPE OWNERSHIP ☐ Individual ☐ Corporation ☐ Partnership ☐ Joint-Venture			6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) ☐ YES ☒ NO	
 PRIMARY AML DESIGN OFFICE: 7012 MacCorkle Avenue, St 	E, Charles		ia 25304 / (304) 342-14	400 / Dana	NEL EACH OFFICE L. Burns, Vice President	
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Ronald Potesta, President Dana L. Burns, Vice President			8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS N/A				
9. PERSONNEL BY DISCIPLINE 10 ADMINISTRATIVE		LANDSCAPI 1 MECHANICA 1 MINING I PHOTOGRAM PLANNERS SANITARY SOILS ENG SPECIFICA WRITERS	AL ENGINEER ENGINEER MMETRIST : URBAN/: ENGINEER GINEERS	EERS R S S REGIONAL	STRUCTURAL ENGINEERS 6 SURVEYORS TRAFFIC ENGINEERS 1 HORTICULTRUALIST 4 GEOTECHNICAL ENGINEERS 1 FISH & WILDLIFE SPECIALISTS 1 GIS SPECIALIST 1 AQUA CULTURALIST 1 INFORMATION TECHNOLOGIST CHEMIST OTHER		
TOTAL NUMBER OF WV REGI *RPEs other than Civil supervise and perform t	and Mining	must provide sur			9 hat qualif	74 TOTAL PERSONNEL	
10. HAS THIS JOINT-VENTURE WO	RKED TOGET	HER BEFORE? [☐ YES ☐ NO	× n	/A		

11. OUTSIDE KEY CONSULTANTS/SUB-CONS	SULTANTS ANTICIPATED TO BE USED. Attach "AML	Consultant Qualification Questionnaire".
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
Keddal Aerial Mapping 1121 Boyce Road, Suite 3100	Aerial Photography and Mapping	⊠ YES
Pittsburgh, Pennsylvania 15241		□ NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
TANIE AND ADDICESS.	SILCHLII.	WORKED WITH BEFORE
GeoMechanics, Inc.	Environmental and Coal Related Laboratory	⊠ YES
600 Munir Drive		
P.O. Box 386		□ NO
Elizabeth, PA 15037		
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
Test Boring Services	Soils and Rock Boring	⊠ YES
140 Mong Road	Sons and Rock Bornig	2 110
Scenery Hill, Pennsylvania 15360		□ NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
TAINE IN O TESTESS.	STEERIETT.	WORKED WITH BEFORE
GeoMechanics, Inc.	Soils and Concrete Testing	⊠ YES
600 Munir Drive		_
P.O. Box 386		□ NO
Elizabeth, PA 15037		
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
Pace Analytical	Water Analytical	⊠ YES
5 Weatheridge Drive	Water Anarytical	2 110
Hurricane, WV 25526		□ ио
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
TAINETH OF THE PIECES.	SI BORNETTI	WORKED WITH BELOKE
		☐ YES
		□ NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
		☐ YES
		□ NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
		WORLD WITH BELOW
		□ YES
		□ №

Is your firm's personnel experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering? ⊠ YES □ NO Description and Number of Projects: POTESTA's principal-in-charge, Dana L. Burns, P.E. and project managers, Messrs. Mark Kiser, P.E., Terence Moran, P.E., and Tim Rice, EIT, 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. POTESTA has 15 staff with experience on AML projects. POTESTA'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. Is your firm experienced in Soil Analysis? ⊠ YES □ NO Description and Number of Projects: POTESTA's staff is experienced in all aspects of soil analysis, including geotechnical and environmental soil analysis. POTESTA's staff has worked on 30+ AML projects involving soil science, including slope stability and revegetation. POTESTA is experienced in soil analysis as it relates to this project. POTESTA'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. С. Is your firm experienced in hydrology and hydraulics? Description and Number of Projects: POTESTA's staff is experienced in hydrology and hydraulics as it relates to AML projects in West Virginia. POTESTA's staff has worked on over 70 AML projects that involved sizing channels, culverts, and waterlines. POTESTA has developed well over 100 storm water management plans for mines, industrial facilities, and new site development projects throughout West Virginia. Does your firm produce its own Aerial Photography and Develop Contour Mapping? X YES □ NO Description and Number of Projects: POTESTA'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. POTESTA has completed 200+ mapping development projects in the last five years. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.) Description and Number of Projects: POTESTA's staff is exceptionally experienced at domestic waterline design. POTESTA's staff has worked on waterline designs and water treatment plant designs for municipalities, WVDEP AML, and private utilities. POTESTA'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 aguifer degradation, including aguifer degradation by AML sites. Our staff has worked on 80+ evaluations of aquifer degradation. POTESTA has performed over 40 water line design projects totaling several hundred miles of installed water line. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design? Description and Number of Projects: POTESTA has completed numerous projects addressing acid mine drainage evaluation and abatement design. POTESTA'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.

13. PERSONAL HISTORY STATEMENT OF PRIdata but keep to essentials)	INCIPALS AND ASSOCIATES RESPO	NSIBLE FOR AML PROJECT DESIGN	N (Furnish complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
Burns, Dana L. Vice President	YEARS OF AML DESIGN EXPERIENCE: 28	YEARS OF AML RELATED DESIGN EXPERIENCE: 37	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 26
vice Flesident		<u> </u>	
Brief Explanation of Responsibilities	3		
Mr. Burns will serve as principal-in- Mr. Burns has served as the project m 1986 through 1997, totaling over 60 m project will be identified. He will	nanager or principal-in-charg projects. He will ensure the	e on three open end contract: personnel required to effic	s for WVDEP, AML from iently complete this
EDUCATION (Degree, Year, Specializati	on)		
MS, 1979, Civil Engineering wit BS, 1978, Civil Engineering	th Environmental Engineering	Emphasis	
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, S	tate)
West Virginia Coal Association		DD 1005 MV	
American Society of Civil Engir West Virginia Association of Co		PE, 1985, WV PS, 1995, WV	
American Consulting Engineering	2 2	F3, 1993, WV	
13. PERSONAL HISTORY STATEMENT OF PRI		 NSIBLE FOR AML PROJECT DESIG	N (Furnish complete
data but keep to essentials)			, , , , , , , , , , , , , , , , , , , ,
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
Kiser, D. Mark	YEARS OF AML DESIGN EXPERIENCE:	EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN
Senior Engineer	34	38	EXPERIENCE: 26
Brief Explanation of Responsibilities	<u> </u>		
Mr. Kiser will serve as Project Manag WVDEP and the design teams, subcontra include projects in West Virginia, Ma technical knowledge and experience to	actors, and project advisors aryland, Ohio, and Pennsylvan	for this project. His 33 yea	ars of AML experience
EDUCATION (Degree, Year, Specializati	on)		
BS, 1984, Civil Engineering			
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	CONS	REGISTRATION (Type, Year, S PE, 1990, WV Licensed Remediation	State) Specialist, 1998, WV

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13. PERSONAL HISTORY STATEMENT OF PRI	NCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PROJECT DESIGN	(Furnish complete	
data but keep to essentials)	1			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	T	
Sharp, David B.	YEARS OF AML DESIGN EXPERIENCE:	EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN	
Morgantown Branch Manager	26	26	EXPERIENCE: 26	
Brief Explanation of Responsibilities	3	,		
Mr. Sharp will serve as technical reversely projects throughout the region. Mr. ensure the personnel required to efficissues with the State of West Virginicareer involved in geotechnical engine	Sharp has served as the Branc ciently complete this project a. Mr. Sharp has worked on a	h Manager in Morgantown for will be identified. He wil nd managed AML projects and	12 years. He will l coordinate contract	
EDUCATION (Degree, Year, Specializati	on)			
MS, 1995, Civil Engineering wit	ch Geo-environmental Engineeri	ng Emphasis		
BS, 1993, Civil Engineering				
American Society of Civil Engir West Virginia Association of Co American Consulting Engineering 13. PERSONAL HISTORY STATEMENT OF PRI data but keep to essentials)	onsulting Engineers g Council - Trans Committee	PE, 1999, MD PE, PE, 2000, PA	2001, KY 2001, OH (Furnish complete	
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE		
Grose, Christopher A.	YEARS OF AML DESIGN EXPERIENCE:	EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN	
Senior Engineering Associate	22	26	EXPERIENCE: 18	
Brief Explanation of Responsibilities	3			
Mr. Grose will coordinate the drilling sites for soil cover, and investigating recommendations for mine seals.	on and design of solutions fo			
EDUCATION (Degree, Year, Specializati	on)			
MS, 1990, Geological Engineering BS, 1988, Civil Engineering				
MEMBERSHIP IN PROFESSIONAL ORGANIZATI American Society of Civil Engir	neering	REGISTRATION (Type, Year, S		
Association of Engineering Geol Society of American Military Er		Licensed Remediation	Specialist, 1998, WV	

13. PERSONAL HISTORY STATEMENT OF PR data but keep to essentials)	INCIPALS AND ASSOCIATES RESPO	NSIBLE FOR AML PROJECT DESIG	N (Furnish complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
Rice, Timothy M. Senior Engineer	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 39	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 33
Brief Explanation of Responsibilitie Mr. Rice has significant experience channelization, and has served as a	in coal refuse stabilization project manager on many simil	ar projects. Mr. Rice will	also provide
constructability reviews and QA/QC f EDUCATION (Degree, Year, Specializat		ons and final construction do	ocuments.
BS, 1982, Civil Engineering			
MEMBERSHIP IN PROFESSIONAL ORGANIZAT	IONS	REGISTRATION (Type, Year, St	ate)
13. PERSONAL HISTORY STATEMENT OF PR data but keep to essentials)	INCIPALS AND ASSOCIATES RESPO	NSIBLE FOR AML PROJECT DESIG	N (Furnish complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
Potesta, Ronald R. President	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Brief Explanation of Responsibilitie As President, Mr. Potesta directs th WVDEP.		to meet the complete require	ments of this project for
EDUCATION (Degree, Year, Specializat MS, 1975, Economics with a Con BS, 1971, Business Administrat	centration in Mineral Economi	cs, Econometrics, and Micro	Economics
MEMBERSHIP IN PROFESSIONAL ORGANIZAT Commissioner, Ohio River Valle Commission; Board of Directors Conservancy; National Institut Environmental Institute; WV Ma	y Water Sanitation , WV Chapter of the Nature e for Chemical Studies; WV	REGISTRATION (Type, Year, S	tate)

13. PERSONAL HISTORY STATEMENT OF PRID data but keep to essentials)	NCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PROJEC	T DESIGN (Furnish complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	CE
Peter S. Potesta Staff Engineer	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED I EXPERIENCE:	DESIGN YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 5
_	L		
Brief Explanation of Responsibilities			
Mr. Peter Potesta, Staff Engineer, project. His areas of expertise income gas production well pads and accesstability analysis, civil/site design	clude geotechnical engineering ss roads, retaining wall des	g with an emphasis in sign and analysis, f	landslide repair design, natural
EDUCATION (Degree, Year, Specialization	on)		
BS, 2011, Civil Engineering BA, 2007, Environmental Geoscie.	nces		
MEMBERSHIP IN PROFESSIONAL ORGANIZATION	ONS	REGISTRATION (Type,	Year, State)
13. PERSONAL HISTORY STATEMENT OF PRI	ncipals and associates respon	SIBLE FOR AML PROJEC	F DESIGN (Furnish complete
data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIEN	
Jeremi J. Stawovy, E.I.T. Staff Engineer	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED I EXPERIENCE: 8	DESIGN YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 11
Brief Explanation of Responsibilities			
Mr. Jeremi Stawovy, Staff Engineer, he project. His areas of expertise included geotechnical evaluations including managed modeling, foundation analysis, well proposition.	ude geotechnical engineering nagement of subsurface explor	with an emphasis in a ations, settlement ar	landslide repair design, nalysis, slope stability
EDUCATION (Degree, Year, Specialization	on)		
MS, 2011, Civil/Environmental E BS, 2009, Civil/Environmental E			
MEMBERSHIP IN PROFESSIONAL ORGANIZATION	ONS	REGISTRATION (Type,	Year, State)
		Engineer Inte	rn, 2009, WV

13. PERSONAL HISTORY STATEMENT OF PRINdata but keep to essentials)	NCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PROJECT DESIGN	(Furnish complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
Moran, Terence C. Senior Engineer	YEARS OF AML DESIGN EXPERIENCE: 24	YEARS OF AML RELATED DESIGN EXPERIENCE: 27	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 27
Brief Explanation of Responsibilities			
Mr. Moran will serve as project manage subconsultants. Mr. Moran has served between 1989 and 1999. More recently including water studies and reclamatic will also serve as one of the principal	as a project engineer/project, he has served as principal on plans. He will set the sc	t manager for over 60 AML pro engineer and project manager nedule and ensure it is met o	jects in West Virginia for WVDEP-AML projects
EDUCATION (Degree, Year, Specialization MS, 1989, Civil Engineering BS, 1987, Civil Engineering	on)		
MEMBERSHIP IN PROFESSIONAL ORGANIZATION	ONS	REGISTRATION (Type, Year, Sta	ate)
American Society of Civil Engine	eers	PE, 1996, WV PE, 1998, VA	
13. PERSONAL HISTORY STATEMENT OF PRIN	NCIPALS AND ASSOCIATES RESPON		(Furnish complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
Griffith, Chad Staff Engineer	YEARS OF AML DESIGN EXPERIENCE: 7	YEARS OF AML RELATED DESIGN EXPERIENCE: 9	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 12
Brief Explanation of Responsibilities			1
Mr. Griffith has extensive experience mining related NPDES permits, mining r layout, road design, geotechnical enconstruction monitoring, hydrology, as EDUCATION (Degree, Year, Specialization BS, 2004, Civil Engineering	with surface mine application related bonding phase releases gineering, civil/site design, and other areas of civil enginates.	, prospecting permits, resider stormwater management, stor	ntial and commercial site
MEMBERSHIP IN PROFESSIONAL ORGANIZATION	ONS	REGISTRATION (Type, Year, Sta PE, 2008, WV	ate)

data but keep to essentials) NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE		
Litwinowicz, Dennis L. Senior Scientist		YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 41	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:	
Brief Explanation of Responsibilit:	ies		L	
Mr. Litwinowicz will serve as a proassistance on evaluation of other of		ervation of subsurface explo	ration activities and	
EDUCATION (Degree, Year, Specializa	ation)			
BS, 1980, Geology and Minera	logy			
MEMBERSHIP IN PROFESSIONAL ORGANIZA	ATIONS	REGISTRATION (Type, Year, S	tate)	
American Association of Petro	oleum Geologists	Certified Petroleum G	eologist, 1984	
13. PERSONAL HISTORY STATEMENT OF I data but keep to essentials)	PRINCIPALS AND ASSOCIATES RESPO		GN (Furnish complete	
NAME & TITLE (Last, First, Middle Int.)	YEARS OF AML DESIGN EXPERIENCE	YEARS OF EXPERIENCE	YEARS OF DOMESTIC	
Dawson, Victor M. Survey Supervisor	16	EXPERIENCE: 34	WATERLINE DESIGN EXPERIENCE: 18	
Brief Explanation of Responsibilit:	ies			
		control if needed establi	sh construction	
Mr. Dawson will coordinate required benchmarks, topographic surveys, be profiling significant existing drassurvey data and create topographic	oundary surveys and/or property inage courses not clearly defir	and deed research, survey	of boring locations and	
benchmarks, topographic surveys, be profiling significant existing dras	oundary surveys and/or property inage courses not clearly defir mapping for AML projects.	and deed research, survey	of boring locations and	
benchmarks, topographic surveys, be profiling significant existing dra- survey data and create topographic	oundary surveys and/or property inage courses not clearly defir mapping for AML projects.	and deed research, survey	of boring locations and	
benchmarks, topographic surveys, be profiling significant existing drassurvey data and create topographic EDUCATION (Degree, Year, Specializa AS, 1983, Surveying MEMBERSHIP IN PROFESSIONAL ORGANIZA	oundary surveys and/or property inage courses not clearly defir mapping for AML projects. ation)	and deed research, survey	of boring locations and Mr. Dawson will reduce	
benchmarks, topographic surveys, be profiling significant existing drassurvey data and create topographic EDUCATION (Degree, Year, Specializa AS, 1983, Surveying MEMBERSHIP IN PROFESSIONAL ORGANIZA American Congress Surveying as	oundary surveys and/or property inage courses not clearly defir mapping for AML projects. ation) ATIONS and Mapping	r and deed research, survey ned in the aerial mapping. REGISTRATION (Type, Year,	of boring locations and Mr. Dawson will reduce	
benchmarks, topographic surveys, be profiling significant existing drassurvey data and create topographic EDUCATION (Degree, Year, Specializa AS, 1983, Surveying MEMBERSHIP IN PROFESSIONAL ORGANIZA American Congress Surveying a West Virginia Association of	oundary surveys and/or property inage courses not clearly defir mapping for AML projects. ation) ATIONS and Mapping Land Surveyors	REGISTRATION (Type, Year, PS, 1988, NC	of boring locations and Mr. Dawson will reduce	
benchmarks, topographic surveys, be profiling significant existing drassurvey data and create topographic EDUCATION (Degree, Year, Specializa AS, 1983, Surveying MEMBERSHIP IN PROFESSIONAL ORGANIZA American Congress Surveying as	oundary surveys and/or property inage courses not clearly defir mapping for AML projects. ATIONS and Mapping Land Surveyors rveyors	r and deed research, survey ned in the aerial mapping. REGISTRATION (Type, Year,	of boring locations and Mr. Dawson will reduce	

13. PERSONAL HISTORY STATEMENT OF PRidata but keep to essentials)	INCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PROJECT DESIGN	(Furnish complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF DOMESTIC	
Sankoff, Michael B.		EXPERIENCE:	WATERLINE DESIGN
CADD Designer/Supervisor	16	29	EXPERIENCE: 18
Brief Explanation of Responsibilities	S	I	
Mr. Sankoff will provide the CADD supsurvey data to provide sufficient map		uction drawings for the proje	ct. He will reduce
EDUCATION (Degree, Year, Specializat:	ion)		
BS, 1987, Industrial Managemen	<u>+</u>		
AS, 1986, Drafting and Design 1			
AS, 1986, Mechanical Engineering			
,,	9		
MEMBERSHIP IN PROFESSIONAL ORGANIZAT:	IONS	REGISTRATION (Type, Year, St	tate)
13. PERSONAL HISTORY STATEMENT OF PRidata but keep to essentials)	INCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PROJECT DESIGN	(Furnish complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
		YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC
Ammirato, Robert J.		EXPERIENCE:	WATERLINE DESIGN
Engineer	10	13	EXPERIENCE: 13
Brief Explanation of Responsibilitie:	5		
Mr. Ammirato will serve as a project calculations, layout, drawing preparawork. He has extensive experience in Mr. Ammirato was the project engineer	ation, design, technical speci n water supply and wastewater	fications, bid forms, cost es system design, permitting, an	timates, and field
EDUCATION (Degree, Year, Specializat:	ion)		
BS, 1999, Mechanical Engineeri	ng		
MEMBERSHIP IN PROFESSIONAL ORGANIZAT	IONS	REGISTRATION (Type, Year, Sta	te)
		PE, 2010, WV	

13. PERSONAL HISTORY STATEMENT OF PRIdata but keep to essentials)	INCIPALS AND ASSOCIATES RESPO	NSIBLE FOR AML PROJECT DESIGN	(Furnish complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC
Smith, Jarrett M.		EXPERIENCE:	WATERLINE DESIGN
Senior Engineer	11	13	EXPERIENCE: 13
-			
Brief Explanation of Responsibilities			
Mr. Smith has been involved extensive preparation of NPDES stormwater const grading plans and quantity/cost estimam project.	truction permits. He also has	s significant expertise in the	e development of site
EDUCATION (Degree, Year, Specializati	ion)		
BS, 2002, Civil Engineering			
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	IONS	REGISTRATION (Type, Year, Sta	ate)
		77 0000 777	
National Society of Professiona	al Engineers	PE, 2008, WV	
10 2222			(= ! 1 · 1 · 1 · 1
13. PERSONAL HISTORY STATEMENT OF PRI	INCIPALS AND ASSOCIATES RESPO	NSIBLE 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 DOMESTIC
Ward, Patrick E.	12	EXPERIENCE:	WATERLINE DESIGN EXPERIENCE: 10
Senior Engineer	12	10	EXTERIENCE.
Brief Explanation of Responsibilities	5		
Mr. Ward will serve as a project engi	ineer and has extensive exper-	ience on WVDEP, AML projects,	having served as a
project engineer on refuse piles, mir			
		3	
EDUCATION (Degree, Year, Specializati	lon)		
MS, 1992, Civil Engineering (Ge	eotechnical)		
BS, 1990, Civil Engineering			
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	IONS	REGISTRATION (Type, Year, S	state)
		77 1007	
		PE, 1997, WV	
		1	

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 2021 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
Sardis (Saas) Landslide	WVDEP Abandoned Mine Lands 101 Cambridge Place Bridgeport, WV 26330	Surveying, subsurface exploration, design, and construction phase services for landslide remediation, wet mine seals and/or seep collectors, and drainage channels to convey mine water.	\$800,000 (Pre-Design Engineer's Estimate)	0%
West Virginia University Rockfall Mitigation, Morgantown, WV	West Virginia University Division of Facilities, Design & Construction 979 Rawley Lane 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 1 Ball Park Drive 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 1 Ball Park Drive McMechen, WV 26040	Surveying, Subsurface Exploration, and Design of Landslide Remediation.	\$800,000	20%
Armory Lot Retaining Wall Replacement	City of Morgantown Parking Authority 300 Spruce Street Morgantown, WV 26505	Design of Failed Retaining Wall.	\$200,000	90%
Kinetic Park Landslide Remediation	Huntington Municipal Development Authoritiy 800 5 th Avenue 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 1343 N. Preston Highway Kingwood, WV 26537	Field Review of the Existing Trail and Recommendations for Landslide abatement and drainage improvements.	TBD	80%
Herring Sub Area 1 & 3 Water Line Extension Preston County, WV Project entirely funded by WVDEP, AML	Preston County PSD #2 c/o Kingwood Water Works 313 Tunnelton Street 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 601 57 th Street, SE 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%
Howesville Area Water Line Extension Preston County, WV Project mostly funded by WVDEP, AML	Preston County PSD #2 c/o Kingwood Water Works 313 Tunnelton Street 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%
Boone County PSD Wastewater Treatment Plant Upgrade Boone County, WV	Boone County PSD PO Box 287 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 High Street Mill Creek, WV 26280	Design of water line replacement including construction documents.	\$2,650,000	95%
Cowen PSD, Erbacon Water Line Extension	Cowen PSD 7017 Webster Road 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 PO Box 1906 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%
South Charleston Park Place Development Retail Shopping Center)	South Charleston Development Authority PO Box 8597 South Charleston, WV 25303	Civil/site, geotechnical design, construction monitoring to close, fill, and develop 80-acre shopping center over a waste impoundment.	\$30,000,000	60%
Verner (Grimmett) Hollow Emergency Landslide Remediation and Drainage Improvements	WVDEP Office of AML 1159 Nick Rahall Greenway Fayetteville, WV 25840	Construction drawings, technical specifications, and engineer's opinion of probable construction cost for removal of step slope, landslide, and design of drainage collection system for Emergency AML Program.	\$325,000	80%

TOTAL NUMBER OF PROJECTS:

13 (POTESTA has completed well over 1000 projects.)

TOTAL ESTIMATED CONSTRUCTION COSTS:

\$68,461,344

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 CON	STRUCTION COST
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
Buzz Food Service Appalachian Abattoir (AML Pilot Grant)	Civil/site design, geotechnical, and stormwater management design.	Buzz Food Service 4818 Kanawha Blvd. E Charleston, WV 25306	September 2020	\$4,000,000	\$500,000
Walker Express Nitro Facility Expansion	Civil/site design, permitting, and utility design.	Walker Express 3 Park Road Nitro, WV 25143	November 2020	\$800,000	\$600,000
Phase I, Morgantown Municipal Airport Runway 18-36 Extension	Permitting, AMD treatment, and coal removal.	Michael Baker International, LLC Airside Business Park 100 Airside Drive Morgantown, WV 26505	2021	\$5,700,000	\$150,000

17. COMPLETED WORK WITHIN LA	ST 5 YEARS ON WHICH YOUR FIRM WA	S THE DESIGNATED ENGINEER OF RE	CORD	
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 555 Seventh Ave. Huntington, WV 25701	\$750 , 000	2019	Yes
South Charleston Landfill, Landfill Closure Design South Charleston, WV	WVDEP 601 57 th Street, SE Charleston, WV 25304	\$2,500,000	2017	Yes
Cheyenne Coal Sales	WVDEP Office of Special Reclamation 47 School Street, Suite 301 Philippi, WV 26416	\$2,500,000	2017	YES
Chicopee Coal Company	WVDEP Office of Special Reclamation 47 School Street, Suite 301 Philippi, WV 26416	\$6,000,000	2018	Yes
Lake Lynn Complex Monongalia County, WV	WVDEP 101 Cambridge Place Bridgeport, WV 26330	\$700 , 000	2017	Yes
WVDOT/DOH - Geotechnical Services, WVSR 4 Repair and Stabilization, Kanawha/Clay Counties, WV	WVDOT/DOH-Dist. 4 PO Box 4220 Clarksburg, WV 26302	Emergency Project, Budget not Available	2016	Yes
Marshall Portal Landslide Repair	MEPCO, LLC 966 Crafts Run Road Maidsville, WV 26541	\$200 , 000	2018	Yes
Crany Mine Dump Wyoming County, WV	WVDEP 601 57 th Street, SE Charleston, WV 25304	\$2,200,000	2016	Yes
Nixon Ridge Landslide Remediation	K&N Contracting 2976 Wills Creek Road Elkview, WV 25701	\$2,400,000	2020	Yes

	ITHIN LAST 5 YEARS ON WHI H YOUR FIRM WAS RESPONSII	ICH YOUR FIRM HAS BEEN A SUB-CON BLE)	NSULTANT '	TO OTHER FIRMS	(INDICATE PHASE
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
				,	

19.			-		-	_		al informati West Virgin		-	-			supporting m.	your f	firm's	
	Potes	sta &	a Asso	ciat	es, Inc	.′s	(POTESTA)	"Expression	of :	Interest	for	Prof	essional	Engineering	Design	n Services	and

Potesta & Associates, Inc.'s (POTESTA) "Expression of Interest for Professional Engineering Design Services and Construction Monitoring Services for the Belle (Sneed) Drainage" 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 9 in the primary office, 3 in Morgantown, and 1 in Winchester. Our staff has worked on over 160 AML projects for WVDEP on four different WVDEP AML contracts dating back to the mid-1980s.
- 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:
 - Passive Acid Mine Drainage Treatment
 - 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

- Landslides
- 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, WV near WVDEP's Charleston office, primary office in Morgantown, WV close to WVDEP Bridgeport office, and support office in 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: <u>Vice President</u>	Date: April 12, 2022
Printed Name: Dana L. Burns, PE		

APPENDIX B

							ΔMI and	d RELAT	TED PR	OJECT	FXPFR	RIENCE	MATRIX	(
								ROJECT						•					DD	IMADV 9	STAFE D	ARTICIDA	TION/CAI	DACITY	,	*** 84-	=Managem	ent D-D-	ofossion	nal	
		Additional		eclamation		gn/Eval.		ent	Mitigation	le	KEQUI	acement			ioval				PR	CIMARY	STAFF PA	ARTICIPA	TION/CAI	PACITY		NI:	=Managem	ent P=Pr	oression	ai	
PROJECT	Exp. Basis C=Corp. P=Personnel *	Info Provided in EOI (page) **	doned Surface Mine mation	doned Deep Mine R	/Shaft Closure	logic/Hydraulic Des	ing Evaluation	Refuse Fire Abatem	dence Investigation	dous Waste Dispos	ct Specifications	Quality ation/Nitigation/Rep	ruction ction/Management	Treatment	ment/Structure Ren	n Restoration	chnical/Stability	L. Burns	. Rice	B. Sharp	A. Grose	rk Kiser	ce C. Moran	el Sankoff	ni J. Stawovy	t Smith	ert Ammirato	ıt Taylor	A. Bolyard	Griffith	Potesta
			Aband Reclar	Aband	Portal/	Hydrol	Remin	Mine/F	Subsic	Hazar	Projec	Water Evalua	Constr	Water	Equipr	Strean	Geote	Dana I	Tim M.	David	Chris /	D. Mar	Terend	Michae	Jerem	Jarrett	Robbe	Pat Ta	Scott /	Chad (Peter I
WVDEP - Blackwater (OSM Appalachian Regional Award)	Р					✓					✓			√					P,M												
WVDEP - Shallamar Doser	P					,					,			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			,		P,M												
MBOM - Kempton Mine Drainage MBOM - Shallmar Doser	P P		/	✓		√					✓ ✓			√			√		P,M P,M											<u> </u>	
WVDEP - Deckers Creek	P		V			V					V	/		\ \ \ \		J	V		P,M												
Dream Mountain AMD Project - Friends of the Cheat	С					J					√	J		7			√		,,	М									Р		
Gary Connor AMD - Friends of the Cheat	С					√					√	√		√						М									Р		
Mill Creek Phase III Waterline and Water Treatment Plant - AML	Р					√					✓	√		√			√						М								
Massy Coal Co. AMD Pump Treatment System	С					√					√	<u> </u>		√				М													
MDG-Wastewater Package Plant	С					√					√	√		√			√	М								Р					
Muddy Creek AMD Treatment System Sovern Run (Tinchnell) AMD Treatment System	C					√					√	\ \ \		√						M M											
Omega Mine Complex - AML	P			./		-/			/		V	V		\ \ \ \ \			J			IVI			М								
Owings Mine Complex - AML	P		√	V	√	√	√		٧	√	√		+	\ \ \ \	V	√	V						M								
Vindex Energy	С		_	V	•	<u> </u>				•	Ĭ	√		7	•	•	V	М			Р	Р		Р							
Dominion Resources - Upshur Enoxy Complex	С		√	√							√	√		√			√	М			Р	Р	Р	Р							
Osage AMD Treatment System	Р													√																	
Reliable Mine AMD Treatment System	Р													√																	
Upshur Passive AMD Treatment System	Р													√																	
Majesty Mine Complex - AML	P		√	√	√	√	√		,		√	,	,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√	√	√						M								
Westmoreland Coal Company Mingo Logan Coal Company	P		√	V	√	√	√		√	✓	✓ ✓	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V	V	√													<u> </u>	
Marfork Coal Company	P		√	./		V	√		V		V	·/	\ \ \ \ \	\ \ \ \ \	./	√	V														
Elk Run Coal Company	P		√	<i>y</i>	J	V	V				<u> </u>	y	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	V	•	<i>y</i>											Р			
Mine Water Treatability Study, Guyses Run of Tygart Valley River	С		•		•					•	•	V	T	7	•	√	•	М					Р								
Camp Mohonegan Regrade - AML	Р		√			√	√				✓	√		√		√	√	М				Р		Р							
Turner Douglas Complex - AML	Р		✓	✓	✓	✓	✓				✓			√			√	М			Р	Р		Р							
Buffalo Creek No. 5 Refuse - AML	Р		√			√	√				√			√			√	M				Р		Р							
Dawmont Mine Facility - AML	P		√	√	√	√	√				√	,		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	✓		√	M			Р			Р							
Upshur 10/15 Drainage - AML Summerlee Refuse Pile - AML	P		√		√	√ √					√	√		√		,	,	M			Р	Р	P					Б			
Bear Run Refuse - AML	P		✓	√	√	✓	√				✓	V		✓	√	√	√	M M			P	P	Р					P P			
WVIJDC - Water Technical Committee	P		V	V	V	V	√				√			\ \ \ \	V		٧	IVI			'							M			
WV Bureau for Public Health - Water/Sewer Construction Permit Program	P						V				√			V														M			
WVIJDC Manager	Р						√				√			V														Р			
WVDEP - Fairmont DAC	Р			√	✓	√			√		√	✓	√	√			√		М												
WVDEP - Pepper Portals and Drainage	Р		\	\	√	√	✓				√	√	✓	√			√		М												
WVDEP - Hilderbrand Highwall	P		√	√	√	√			√		√	√	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			√		M												
WVDEP - Dillan Creek WVDEP - Heather Run #2	P P		√	√	√	√					√		,	\		/	√		P,M												
WVDEP - Heatner Run #2 WVDEP - Barker Portals and Strip	P		√	./	√	√					√		√	√	✓	√	√		P,M P,M												
WVDEP - Slab Fork Mine Dump	P		√	\ \	√	√	√				V		\ \ \ \	\ \ \	/	√			P,M												
WVDEP, OSR Cheyenne Sales Company, Inc.	С		√	V		√	√				√	/	-	_	V	V	∨ √	М	. ,			Р		Р							
WVDEP, AML Little Whitestick Refuse	С		√	√	√	V	√				√	V	Ì			√						Р		Р							
WVDEP - AML Marmet (Wells Drive) Landslide Emergency	С			√	√	√					√						√	M			P	M		Р			Р				
WVDEP - AML Williamson (Hatfield) Landslide	С	12							√		✓.						√	M		Р	Р	M	Р	P	_	Р					
WVDEP - AML George's Creek (Lucas) Rockslide	С	12			,	,			✓		√						√	M			P	M		Р							
WV/DEP - Wheatley Branch Landslide	P	40		✓	✓	√					\		,		✓		√		P,M	D.11											
WVU - Monongahela Blv. Rockfall Project	С	13									√		-	 			√	M		P,M	_				Р						
Hampden (Smith) Landslide - AML Charleston (Ratcliffe) Landslide - AML	P P										√			-			√	M			P P	P									
Mulberry Fork (Stover) Landslide - AML	P		/								J		+	 			y	M			P							P			
Belle Landslide - AML	P		_	√	√	√					Ĭ						V	M			P	Р	Р					P			
Kitchen/Gibson Landslide - AML	Р			7	_	-					_		1				7	M													
Duck Creek Landslide - AML	P			√	√	√					√		√				√	M													
Williamson Landslide - AML	P		√			✓					✓						√	M				P				P					
Wolf Pen (Carpenter) Portals	С			<	✓	✓					✓	1	1																		

						ΔMI :	and RFI A	TED PE	ROJECT	FXPFR	RIENCE MAT	RIX															
											REMENTS						PRIMAD	/ STAFF	PARTICIPA	ATION/CA	PACITY		*** M=M<	anagemo	ent P=Dr	ofessional	
PROJECT	Exp. Basis C=Corp. P=Personnel*	Provided in	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/Nitigation/Replacement Construction	Inspection/Wanagement Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability		Tim M. Rice David B. Sharp	Chris A. Grose	D. Mark Kiser	Terence C. Moran	Michael Sankoff	Jeremi J. Stawovy	Jarrett Smith	Robbert Ammirato	Pat Taylor	Scott A. Bolyard	Chad Griffith Peter Potesta
		<u>'</u>							, - ,						 											<u> </u>	
Laurel Branch (Weaver) Portals	С			√	√					√																	
WVDEP, OSR Cheyenne Sales Company, Inc.	С		√		√	_ ✓	_			<u>√</u>	 		✓		√	M			Р		Р						
WVDEP, AML Little Whitestick Refuse	С		√	√	√			1	1	<u>√</u>	√			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√	M			P		P				\longrightarrow		
WVDEP, AML Crany Mine Dump WVDEP, AML Morgan Mine Fire	C		√	./	√	,		-	-	<u>√</u>				√	V	M	M		Р		Р				\longrightarrow	P	
Monumental Mine	C		-	√	Ž	√	√	-			J				\ <u>\</u>	M	IVI								\rightarrow		P
Lilly Parker Mine	C				Ž		1		1 1	`	V	1			\	M											P
Barrackville Mine Expansion	C				V	1					√				_ √	М											Р
Jo Anne Permit Renewals	С				V					√	V				√	М											Р
Humphrey Limestone Quarry	С				✓					√_					√	М											Р
WVDEP, AML MacArthur Phase 2 Subsidence AML	С						\perp	✓	1	<u>√</u>					 √	М											
WVDEP, AMI, MagArthyr Mine Subsidence	С			√	√		+	—	+ +	<u>√</u>		_			✓		M M		14.5		1					Р	
WVDEP, AML MacArthur Mine Subsidence WVDEP, AML East Lynn II	С			√	./ /	+	-	✓	1	<u>√</u>		-		/	1	M			M,P M,P		P P						
WVDEP, AML East Lynn II WVDEP, AML Flipping Hollow Complex	C			√	√ √ √	+	+		+ +	./		+		√	'	M			M,P		P				\longrightarrow		
WVDEP, AML Sundial (Hatfield) RefusePiles Re-Bid	C			V	V V				+ +				V		1	M			M		P						
WVDEP, AML Mill Creek Refuse Pile	C			-	*		1		† †	<u> </u>					J	M			M		P						
WVDEP, AML John's Branch Coal Refuse Dam (Kopperston)	С			V	7		√		† †	$\overline{}$					1	M			M		Р						Р
WVDEP, AML Clay-Roane PSD Water Feasibility Study	С			V			1				√					М					Р						Р
WVDEP, AML Burnsville PSD Water Feasibility Study	С			√							V					М			М								
WVDEP, AML Brandonville/Pisgah Water Feasibility Study	С			√							√					М			M								
WVDEP, AML Cuzzart/4-H Water Feasibility Study	С			√					1		√	_				М			M								
WVDEP, AMI, Jacop Highwall #10	С		,	✓	, ,		+		+ +		√	+			,	M			M								
WVDEP, AML Jessop Highwall #10 WVDEP, AML Lando (Edwards) Drainage	C		√	√	$\frac{}{}$		+		+ +	<u>√</u>					-/	M			M M						-		
WVDEP, AML Taylorville (Cantrell) Drainage	С		-	-	V V	+	+		+ +	<u></u>	+ +	+	-	1	'	M			M				Р		\rightarrow		
WVDEP, AML Borderland (Matney) Portals	C			-	V V		1		1 1			1				M			M					Р			
WVDEP, AML Peach Ridge Complex	С		√	V	\ \ \					√			√			М			M		Р						
WVDEP, AML Measle Fork Refuse	С		V		√					√			V	√	√	М			М		Р			Р			
WVDEP, AML Georges Creek Portals	С				√ √					√						М			M		Р			Р			
WVDEP, AML Putney Impoundment	С		√	√	√ √	_				√				√	√	М			М								
WVDEP, AML Kopperston (John's Branch) Refuse Emergency	С		√			_			1	<u>√</u>						M			M				Р				
WVDEP, AML Marmet (Clark) Drainage	С			√	√	_	+		+ +	<u>√</u>		+	+ ,		,	M			M		Р						
WVDEP, AML Pringle Run #2 WVDEP, AML Mountain Run Refuse and Portals	С		✓	√		_	1		+ +	<u>√</u>			-		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	M M	M		M M		Р					Р	
WVDEP, AML Mountain Run Refuse and Portais WVDEP, AML Fairmont East Mine Drainage	C			/	√	_	+		+ +	<u>√</u>	+ +	+	√		✓	M	IVI		M						\rightarrow	-	
WVDEP, AME Familian East wille Brainage WVDEP, AME Rachel Refuse	C		/	•			+		+ +		 	+	-			M			M		Р						
WVDEP, AML laeger Water Feasibility Study	С			√	- •	+ *					/					M				М	P						
WVDEP, AML Burnwell, Standard, and Collinsdale Water Line Extension	С			V			1			√		<u> </u>				М				М	Р			Р			
WVDEP, AML Morrisvale Cameo Preliminary Engineering	С										√									М	Р			Р			
May Portal (Virginia AML)	С			√	√ √					√			✓			М									M		
Webster County Water Studies	С				✓		\perp		1		✓				1	М							Р		M		
Cow Creek - Sarah Ann Phase III Water Line Extension	P						+		+ +			+			1				-	M							
Godby Branch Water Line Extension Putnam County Commission - Fisher Ridge Phase II	P C						+		1			-				M			Р	M M	Р		Р				
Boone County PSD - Lick Creek Water Line Extension	С					+	+		+ +							M				M	P		۲				
Boone County PSD - Joes Creek Water Line Extension	C						+		+ +			+				M				M	P						
Boone County PSD - Six Mile Extension/Corridor G	С															M				M	P						
Boone County PSD - Trace Branch/Robinson Water Line Extension	С								1 1							М				М	Р						
Boone County PSD - Stephens Auto/Betsy Lane Water Line Extension	С															М				М	Р						
Town of Ceredo - Water Distribution System Upgrade	С															М				М	Р			Р	Р		
WVAWC - Mifflin/Sharples Water Line Extension	С															М				М	Р			Р			
Town of Ceredo - Cemetery Hill Upgrade	С																										
WVAWC - Putnam County Water Supply Extension	P						\perp		1	<u>√</u>		\perp				М				М							
WVAWC - Kanawha County Water Supply Extension	P				√		-			<u>√</u>		_	_		1	M				M							
WVAWC - Cabell County Water Supply Extension City of Philippi Upgrade to Water Distribution System	Р				√	_			++	<u>√</u>				-		M				M							
City of Philippi Upgrade to Water Distribution System	С				✓					√		1	1	1		M				Р	Р				/		

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								OJECT											PR	RIMARY	STAFF PA	ARTICIPA	ATION/CA	PACITY		*** M:	=Managen	ent P=Pro	ofession	al	
PROJECT	Exp. Basis C=Corp. P=Personnel*	Additional Info Provided in EOI (page)	l Surface Mine In	Deep Mine Reclamation	t Closure	Hydraulic Design/Eval.	valuation	se Fire Abatement	Investigation Mitigation	Waste Disposal	ecifications	ity Nitigation/Replacement	on Management	itment	Structure Removal	storation	al/Stability	IIIS		ıarp	eso	ser	Moran	nkoff	амочу		nmirato		lyard	ų.	sta
			Abandoned Reclamatio	Abandoned	Portal/Shaft	Hydrologic/	Remining E	Mine/Refus	Subsidence	Hazardous	Project Spe	Water Qual Evaluation/	Constructio Inspection/	Water Trea	Equipment	Stream Res	Geotechnic	Dana L. Bu	Tim M. Rice	David B. Sr	Chris A. Gr	D. Mark Kis	Terence C.	Michael Sa	Jeremi J. Sta	Jarrett Smir	Robbert An	Pat Taylor	Scott A. Bo	Chad Griffil	Peter Potes
Philippi Water Line Relocation for WVDOH Bypass	С					√	I				√				l I	1		M					Р	Р							
WVAWC - Route 60	С					√					√	√						М				Р		Р							
WVAWC - Route 60 Contract 4	С					√					√	✓						М				Р		Р							
WVAWC - Buff Creek/Trace Fork	С			1		√					√	√	,					M				P		P						$\vdash \vdash \vdash$	-
WVAWC - Poca River WVAWC - Cabell County Contract 6	C					√			-		√	√						M				P P	P	P P							
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WVAWC - Fisher's Ridge Extension	С					V					V	√	V					M					P	P			Р				
WVAWC - Summers County Extension	С					√					√	√						М				Р									
WVAWC - Glade Springs Village	С					√					✓	√	√					М				Р									
WVAWC - Spite Road	С			1		✓					√	√	√					M					P								
Beaver Creek Waterline Extension - AML	P			1			-	-			√	√						M			P	D	P								
Cassity Fork Water Supply Extension - AML Gualey River Area Water Line Extension - AML	P P										√	√			+ +			M			Р	Р	P M								
Heizer/Manila Creek Water Line Extension Phase II Study - AML	P								-		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	y	-										M							\vdash	\vdash
Reynoldsville/Wallace Water Supply Extension - AML	P					√					V	V					√						M								
Weaver-Junior Phase II Water Supply - AML	Р					√						√											М								7
Washington Heights to Jeffrey Phase II Water Study - AML	Р					√						√											М								
Reynoldsville, Wallace, and Clarksburg Phase II Water Study - AML	Р					√						✓_											M								
Reynoldsville, Wallace, and Clarksburg Phase I Water Study - AML	P											√	-										М							$\vdash \vdash \vdash$	
Weaver-Junior Phase I Water Study - AML Gauley River Phase I Water Study - AML	P P											√										D	M M								\vdash
Upper Rum Creek Phase II Water Study - AML	P					√						V	1									Г	M							$\overline{}$	\vdash
Crooked Creek Phase II Water Study - AML	Р					\						7											M								
Mill Creek Regional Phase II Water Study - AML	Р					√						√											М								
Cow Creek - Sarah Ann Phase II Water Study - AML	Р					✓						✓											M							<u>'</u>	
Phase I Water Studies Brooke and Fayette Counties (2 Projects) - AML	P					,			-			√	-					M				Р	P							$\vdash \vdash \vdash$	<u> </u>
Mill Creek Regional Water Phase II Water Study (Boone, Lincoln and Logan Counties) - AML Godby Branch Phase II Water Study - AML	P P					√						√						M				P	P								\vdash
Putnam County Phase I Water Studies (3 Projects) - AML	P											V						M				Г	P								
Boone County Phase I Water Studies (10 Projects) - AML	Р											<i>\</i>						M				Р	Р								
Phase II Water Feasibility Studies for Logan County (3 Projects) - AML	Р					√						√						М				Р	Р								7
Phase I Water Studies for Logan County (7 Projects) - AML	P											✓						М			Р	Р	Р								
Spruce Lick-Stream Flow Monitoring Project for Eastern Assoicated Coal Corp AML	Р					✓						✓,				✓		M				Р									
Martin County Coal Co. Stream Flow & Fish Surveys-Coldwater Creek	С			-		√						√			-																
Martin County Coal Co. Stream Flow & Fish Surveys-Wolf Creek Watershed Martin County Coal Co. Stream Flow & Fish Surveys- Rockcastle Creek	C			-		√						√			 																
Martin County Coal Co. Stream Flow & Habitat Survey-Coldwater Creek Fork Watershed	С					√						V	+		+ +																
Martin County Coal Co. Stream Flow & Habitat Survey-Wolf Creek Watershed	С					V						V																			
Martin County Coal Co. Stream Flow & Habitat Survey-Rockcastle Creek Watershed	С					√						√																			
Don's Disposal Landfill Stream Flow Measurement	Р					√						√																			
Union Carbide Cooling Water Flow Measurement	С					√	Ţ					√				Ţ															
Union Carbide Davis Creek Flow Measurement	С			1		√						\	1																		
Union Carbide Process Wastewater Flow Measurement WVDEP-Flows at Various Facilities	C P			+		√						√	+		+ +																
Arch Coal- Pigeon Creek Stream Flow Measurement	C			+		√						√			+ +																
City of Charleston-Sanitary Sewer Flow Measurement	С					√						V	1		 																
Pison Development Sanitary Sewer Flow Measurement	С					√						V	1		† †																
Solutia-Storm Water Flow Measurement	С					√						√																			
Solutia-Groundwater Well Levels and Flow Estimates	С					√						✓_			$oxed{\Box}$																
Chemical Plant - Parkersburg, WV	С					√					√	√	1																		
Evaluation of Mine Drainage from AML Sites as Part of ESA for Jackson & Kelly Hawkins AMD - AML	C P			,	,	,		+			,	√	1					M					Р								
Allen AMD - AML	P			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√	√					√		+		+ +		√	M				P		D							
Sundial Refuse - AML	C		1	√	√	√		+	+		√		1		/	√	V	M				M	Р	Р							
Solutia Landfill Closure Design for Various Environmental Remediation Projects	С		Ť		•	V				√	V	√	√	√		•	√	M			Р	Р		P							
Kanawha Eagle Coal Refuse Disposal Impoundment	С					V					√		V				\	М			Р	Р		Р							
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PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in EOI (page) **	Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	ortal/Shaft Closure	tydrologic/Hydraulic Design/Eval.	Remining Evaluation	/line/Refuse Fire Abatement	Subsidence Investigation Mitigation	lazardous Waste Disposal	Project Specifications	Vater Quality evaluation/Nitigation/Replacement	Sonstruction nspection/Management	Vater Treatment	equipment/Structure Removal	stream Restoration	Geotechnical/Stability	Jana L. Burns	im M. Rice	David B. Sharp	Chris A. Grose). Mark Kiser	erence C. Moran	Aichael Sankoff	eremi J. Stawovy	arrett Smith	Robbert Ammirato	at Taylor	scott A. Bolyard	: Chad Griffith	Peter Potesta
		1	Q IL	4			ш	2	0)		<u>ш</u>	> ш	0 =	>	. ш ,	0)	U	П	-	П	O				_ ¬		<u> </u>	ш	U)	0	
Pocahontas County Landfill Expansion, Closure, and Operations Consulting	С					\					\	√	√	√			√	М				Р		Р							
Energy Services Site Development and Permitting	С					√						Ţ	√	Ţ			√	М			Р	Р		Р							
Smith Bridge Replacement	С																✓	М			Р										
Corridor H, Section 6 Davis-Bismark	С																√	M			Р	M			-	-					
Environmental Assessment and Closure/Capping Design for Fleming Landfill Environmental Assessment and Closure/Capping Plan for Jackson County Landfill	С			<u> </u>		√				-		<u> </u>	<u> </u>	<u> </u>	-			M M				P M	Р	P P							
Elkem Metals Jarrett Branch Landfill	С														+ +			M			Р	P	r	P							
Coldwater Creek/Luigino's Food Processing Facility, Inc.	С					/					/		/					M				P		P							
Construction Layout for Mahan Tipple and Refuse AML Maintenance Project	С					-							_		† †																
Construction Layout for Lynn Brook (Boud) Drainage, AML Reclamation Project	С																														
Grass Run Refuse - AML	Р		√			√	√				✓,	√					√	М				Р		Р							
Allen Sheridan Hazardous Facility (Asbestos)	P		✓							√	√	,						М													
Elk City - Century-Volga Phase I/II Water Study - AML	P P			,						,		√						M M				Р		Р							
Comfort Run Coal Company (Asbestos) - AML Helen (Lewis) Refuse - AML	P			√	/	1	√			√	J				1		_/	M													
Madison Street Portals/Fairview Route 218 Portals - AML	P			\ <u>\</u>	\ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	_ v				V				-		V	M												\longrightarrow	_
Duncan Hill Subsidence - AML	P			\ <u>\</u>	\ \ \	\ \ \			√		\ \ \						\	M			Р	Р	Р							\rightarrow	
Cora Mine Drainage No. II - AML	P			7	7	J					7						J	М			P	P								\rightarrow	
Covey Creek Mine Fire - AML	Р			V	•	Ť		√			Ť						·	М			Р										
Vivian Refuse Pile - AML	Р		√		√	√	√				√						√	М			Р	Р	Р					Р			
Kimball Refuse Pile - AML	Р		✓	✓	✓	√	✓				✓	√			√		√	М			Р	Р	Р					Р			
Garrison Complex - AML	Р			√	√	√			,		√				✓		√	М				Р									
Beckley Subsidence - AML	P		,	√		,			√		√				,		√	М			Р	Р									
Courtright Highwall - AML Jonben (Haga) Subsidence - AML	P P		√	./		V			√		√				✓		√ √	M M			P P	P	P P								
Holden (Padgett) Subsidence - AML	P			\ \ \ \ \	V	\ \ \ \			\		\ \ \ \ \						V	M			r		P							\longrightarrow	_
Minden Drilling - AML	P		V								_						,	M			Р										
Gray and Iaquinta Subsidence - AML	P		Ť	√					√		√						Ž	М				Р	Р								
St. John's Road Subsidence - AML	Р			√	√	√			√		V						√	М				Р	Р								
High Coal Tipple - AML	Р			√	√						√				√		√	М				Р									
Route 19/28 Subsidence - AML	Р			√	✓	√			>		√						√	М													
Omar Refuse Pile - AML	Р		✓	√	√	√	√	√	,		√						√	М			Р	Р						Р			
Mt. Hope Subsidence - AML	P			√	,	,			√		√				1		√	M													
Morgantown Airport Drainage/Subsidence - AML Logan Drainage - AML	P P			√	√	√			✓	 	√	 	 	 			√	M M													
Huffman Street Subsidence - AML	P			./	-	V			√	 	V	 	 	 			√														
Switzer Adams/Robinson Drainage - AML	P			\ \ \ \	√	√			V		\ \ \ \						V	M													
Follansbee Drainage - AML	Р			√	V	√					√				1		√	М													
Fairmont East Subsidence - AML	Р			√					√		√						√	М													
Fairmont IV Subsidence - AML	Р			\ \					✓		✓						√	М													
Vargo Drainage - AML	P			√	√	√		,			√		,				√	М													
Kistler Mine Fire - AML	P		,	✓	√	√	,	√		<u> </u>	√	<u> </u>	√	<u> </u>	— ,		√	М					_								
Lefthand Fork Burning Refuse - AML Harris AMD - AML	P P		√		./	√	✓	√		-	√	-	-	-	✓		√					M M	P P								
Wyoming County Landfill	P/C			✓	✓	√				 	V	 	1	/			√	M			P	P P	r	P							
Jackson County Landfill	C					\ \ \					\ \ \ \		_	\ \ \			V	M				P	Р	P							
Kanawha Western Landfill	P		√			V					V			V			V	M			Р	P									
Monongalia County Sanitary Landfill	Р		√			√					√			V			√	М			Р	Р						Р			
Fayette County Landfill	Р					√					√			√			√					М									
Carolina Refuse - AML	Р		√	√	√	√	√			√	√						✓						М								
Grandstaff Subsidence - AML	Р			√					√			<u> </u>					√						М								
Glen Morgan (Lilly) Site - AML	P		,	 √	,	,			✓		<u> </u>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					√						M								
Viers Highwall - AML	P		✓	√	√	√						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					√	1.4					M								
Spruce Laurel Stream Flow Monitoring Project - AML Summit at Cheat Lake Residential Subdivision	C					√			√		V	✓			1	/	√	М		M	P		M					P	Р	D	D
Avery Court	С					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			V		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					٧	٧			M								P	P		
Hurricane Market Place	С									1	 										Р					Р					
									i																						

						-	AML and	I RELAT	TED PR	OJECT	EXPER	RIENCE	MATRIX	(
												REMEN							PF	RIMARY	STAFF PA	ARTICIPA	ATION/CA	PACITY		*** M=I	Manageme	ent P=Pro	ofession	al	
PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in EOI (page)	surface Mine	Deep Mine Reclamation	Closure	ydraulic Design/Eval.	aluation	Fire Abatement	nvestigation Mitigation	'aste Disposal	fications	/ tigation/Replacement	anagement	nent	iructure Removal	oration	/Stability	v		ę.	9.		oran	off	wovy		nirato		ard		
			Abandoned S Reclamation	Abandoned D	Portal/Shaft (Hydrologic/H	Remining Ev	Mine/Refuse	Subsidence I	Hazardous W	Project Speci	Water Quality Evaluation/Ni	Construction Inspection/Ma	Water Treatm	Equipment/S	Stream Resto	Geotechnical	Dana L. Burn	Tim M. Rice	David B. Sha	Chris A. Gros	D. Mark Kise	Terence C. Mr	Michael Sank	Jeremi J. Sta	Jarrett Smith	Robbert Amn	Pat Taylor	Scott A. Boly.	Chad Griffith	Peter Potesta
Pison Development - Mineral Wells	С					√												М			М					Р					_
Pison Development - Barboursville	С					V												M			М					Р					
Pison Development - Knollview	С					√							✓					М			М					Р					
Pison Development - Cross Roads 2	С					✓							✓					М			М										
Pison Development - Elk Crossings	С					√							,					М			M										
Pison Development - Elkins	С					√							\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					M			M								-		
Pison Development - Harrisville Pison Development - Point Pleasant	C			+ +		√							√					M M			M M								Р		
Pison Development - Kanawha Court	С			 		V								 				M			M						Р				
Pison Development - Church Hill Village	С					V						√					√	M		М									Р		
Grove Park - Campus View LLC	С					√			√							1	√			М	Р								Р	Р	Р
North Hills Development - 600-Acre Property	С			$\perp \Box \Box$					√								√			М	Р										
Kenna Industrial Park	С					√							,					M			M	Р				Р					
Spring Hill Ives - Orchards Manor	С			+ +		√							√														P P				
Ives - Circiards Marior Ives - Littlepage Terrace	C					√																					P				_
Ives - Patrick Street	С					√																					P				-
Tucker County Industrial Park	С					\					J		√					М		Р			М			Р					-
Bradshaw Schools	С					√					Ž		√					М					М				Р				
Marrowbone Waterline Extension - AML	Р						√				√																	М			
Ragland Waterline Extension - AML	Р						√				√																				
Pigeon Creek Phase II Water Study - AML	Р						√				√																	М			
Wayne County Commission - Buffalo Creek Waterline Extension Birch River PSD Waterline Extension	P P						√				√																	P P			
Lincoln County Commission - Town of Harts Extension	P						√				√																	P			
Independence Coal	P						√				V						√													-	-
Nicholas Energy, Inc.	Р						7				Ž						<i>\</i>											Р			
WV Bureau for Public Health - Drinking Water Treatment Revolving Fund	Р						·										·											M			
Nicholas County Landfill	С										√							М				Р									
Peabody Coal Company	С		√	√						✓								M													
Massey Coal Services	С									√		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \																_			
Poor Charlie & Company, Inc. Pace Carbon Fuels, LLC	C									√		√	1					М										Р			
Amherst Industries, Inc.	C			+ +						√		✓	V	 				IVI													
Hobet Mining, Inc.	С			/		√				'	√							M			Р										
Montgomery Landfill	P					V					V			√			•	M			P			Р							
North Fork Landfill	Р			√		√					√						√	Р			Р	М									
Sycamore Landfill	Р			$\perp \Box \Box$									√					М													
Vaughan Railroad	P												√				√	M			Р										
CSX Ramp Replacement	P P			+ +		./					,			-			√	P				Р	P					D			
S&S Landfill MBOM - Oak Hill Landslide	P P			+ +		√					√						√	P	P,M			Р	۲					Р			
ODNR - Chickwan Landslide	P		1	 		`			\		y		1				-		P,M												
ODNR - Z & H Landslide	P		1			7			V		1		7	t			7		P,M												
City of Morgantown - Jacob Street Slip Repair	С	14									Ĭ		7				V			P,M					Р				Р		
WVDOT/DOH - Geotechnical Services - WVSR 4 Repair and Stabilization	С	15		$\perp \perp \perp$													^			P,M	P								Р		Р
Morgantown Parking Authority - Armory Lot Retaining Wall	С	15		+							√						√			M					Р				P		
Stone Energy - Geotechnical - Development of Marcellus Well Pads Jerry Ware - Residential Landslide Gordon Drive - Charleston WV	C	16		1							✓		✓				√			M	P										P P
Town of Granville - Bowser Street Landslide Repair	C	12 16		+ +							1		1	 			√		P, M		P				P				P		-
CEF 8 Ltd. Partnership -Artisan Heights Townhouse Dev. Stability Review	С	16		+ +	-+						-		-		1		-		1°, (VI	P, M									-		
Travelers - Bona Vista Drive Slip Repair - Charleston WV	С	17		1 1													y			M	Р				Р						Р
Columbia Gas - Landslide Stabilization - Blue Creek WV	С	17									√						√			Р	Р										Р
City of Charleston - Grandview Slip Repair - Kanawha County WV	С	18															√			M	Р										Р
Training Response Center - Gallagher Tunnel Drainage and Slope Stability	С	18												<u> </u>			✓_			M											
WVCA/NPCD - Wheeling Creek #7 Dam Landslide Repair	С	19		+ +							\			<u> </u>			√		P, M		P				P				P		
WVCA/NPCD - Upper Grave Creek Dam Landslide Repair	С	19									 		1				√		P, M	P,M	P				P				P		

						-	AML and	RELAT	ED PR	OJECT	EXPER	IENCE	MATRIX	(
								OJECT											PRIMA	Y STAFF I	PARTICI	PATION/C	CAPACIT	Υ	***	M=Manage	ement F	P=Profess	ional	
PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in EOI (page) **	oned Surface Mine nation	oned Deep Mine Reclamation	Shaft Closure	ogic/Hydraulic Design/Eval.	ing Evaluation	tefuse Fire Abatement	ence Investigation Mitigation	Ious Waste Disposal	Specifications	Quality tion/Nitigation/Replacement	uction tion/Management	Treatment	nent/Structure Removal	n Restoration	_	L. Burns Rice	3. Sharp	Grose	rk Kiser	Moran	nkoff	J. Stawovy		Smith smith	Taylor	lyard	riffith	Potesta
			Aband	Aband	Portal/	Hydrole	Remini	Mine/R	Subsid	Hazarc	Project	Water	Constr	Water	Equipn	Stream	Geotec	Dana L Tim M	David	Chris A	D. Mar	Tereno	Michael	Jeremi		Jarrett	Pat Ta	Scott A.	Chad (Peter F
Wheeling-Charleston Diocese - Mt. Calvary Landslide Repair	С	20							I		√		.				/		P,N	. 1				Р				Р		_
Wheeling-Charleston Diocese - St. Boniface Landslide Repair	С	20									-		_				/		P,I					P				P		+-
Huntington Municipal Development Authority - Kinetic Park Slip Repair	С	21									1		1				/		M					<u> </u>				•		Р
Huntington Sanitary Board - North Edgemont Slope Stabilization	С	22									Ĭ		Ĭ				7		Р	Р										Р
K & N Contracting - Nixon Ridge Slip Repair - Moundsville WV	С	23									✓		✓				/													Р
Marshall Portal Access Road Landslide	С										✓				\Box	_	/		Ρ,					Р				Р	_	
Weekley Well Pad Landslide Repair	С										\						/		P,									P		4
Mills Wetzel #2 Well Pad Landslide Repair	С							+			√		√				/		P,									P		
Shupbach Ridge Road Landslide Repair Potts Well Pad Landslide Repair	C							+			√		✓		-		/		P,									P	_	
Decker's Creek Mine Stockpile Landslide Repair	С												_				/		Р,									P	_	+
Wentz Freshwater Impoundment Embankment Stability Repair	C																/		Ρ,									P		
Cline Tower Landslide Repair	P															<u> </u>	7		Ρ,											
Wellford Tower Landslide Repair	Р																/		Ρ,	И										
Massie Ridge Tower Landslide Repair	Р																/		P,											
Fisher Residential Landslide Repair	P																/		Ρ,											
Kennawa Landslide Repair	Р																/		Ρ,											4
Burlew Landslide Repair	P																/		P,					_						4
Lee Landsldie Repair	P P																/		P,						_					4
Fairmont North Tower Landslide Repair 6th Street Tower Landslide Repair	P																/		P,											+
WVDEP, AML Tupper Creek Emergency Landslide Repair	P										J		1				/		Р.	_										+
Schmidt Landslide Repair	P										_		_				/		P											
Disposal Service, Inc. Landslide Repair	Р																/		Р											
Wellston High School LandIslide Repair	Р																/		Р											
Pribble Tank Tank Landslide Repair	Р	17									✓		✓				/		P, I									Р		Р
Potokczny Well Pad Landslide Repair	Р										√		✓				/		Ρ,	_								P		
Ridgepoint Landslide Repair	P		,														/		Ρ,	_								Р		4
Harwood Mine Complex Southern Ohio Coal - Pump Tests	P P		√	√							,							M		P P	P P	P			_					4
WVDEP - Winona Complex	P		✓	√	√						√					/	/	VI P,	M	Р	Р	Р								4
WVDEP - Dale R. Thrasher	P		V		V						√				V		/	Р,												+
WVDEP - Wheeling (15th Street)	P		•			√					<i>\</i>				_			P,												_
WVDEP - Dotson Tipple	P		√	√	√	√					√				√		/	P,												
WVDEP - Montana Mines Subsidence	Р		i	•	•	•			√		√						7	P,												
WVDEP - Pendleton Creek Strip	Р		√	√	√	✓					√					✓	/	P,												
WVDEP - Whipering Woods Feasibility Study	Р					\						√						P,												
WVDEP - Ruper to Rainelle Feasibility Study	P					✓			,		,	✓						P,												4
WVDEP - Shinnston (Osbourne) Subsidence	P							+	√		√		1				,	P,												
WVDEP - Bethlehem (Toothman) Subsidence WVDEP - Pallotta Subsidence	P P							+	√		√				-		/	P,							-					
WVDEP - Pallotta Subsiderice WVDEP - Blue Pennant Mine Fire	P		√	√	√	√	√	√	٧		√				V		/	P,												
WVDEP - Red Hollow Burning Refuse	P		V	y	*	√	√	V			√				V		/	P,												
WVDEP - Amigo Refuse	Р		V	√		√	V	V			√						7	P,												
WVDEP - Jamison Burning Refuse	Р		√	√		√		√			√		√				/	P,												
WVDEP - Amigo Smokeless Impoundment	Р		√	√	√	√	√				√				√		/	P,												
WVDEP - Taylor Creek Impoundment (OSM National Award)	Р		✓	✓	✓	/	✓	√			√				√		/	P,												
WVDEP - Ohio Avenue	P			,		√			√		√						/	P,												
WVDEP - Robinson Run Landsilde	P P		√	✓		✓		+	,		√		1		✓		/	P,												
WVDEP - Stealey Avenue Subsidence WVDEP - Tunnelton Gob	P P			./	./	√		-	√		√				/		/	P,												
WVDEP - Slab Camp Run	P		√	./	√	√	√				√		✓		V		/	P,												
WVDEP - Sovern Run	P		V	<u>,</u>	V	-					√				V		/	P,												
WVDEP - Ford's Run Refuse	P		V	<u>,</u>	V	√	√			√	√				V	√	/	P,												
WVDEP - North Fork Refuse	P		V	V	•	√				-	V					-	•	P,												
WVDEP - Austen Highwall	Р		√	√	√	√					√					√	/	P,	М											
WVDEP - Edna Refuse	Р		√	√	√	√	√			√	√				√		/	P,	М											

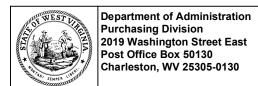
							AML an	d RELA	TED PF	ROJECT	EXPE	RIENCE	MATRIX																		
							P	ROJECT	EXPE	RIENCE	REQU	IREMEN	TS						PR	MARY S	TAFF PA	RTICIPA	TION/CAP	PACITY		*** M=	Manageme	ent P=Pro	fessiona	al .	
PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in EOI (page)	Abandoned Surface Mine Reclamation	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/Nitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Dana L. Bums	Tim M. Rice	David B. Sharp	Chris A. Grose	D. Mark Kiser	Terence C. Moran	Michael Sankoff	Jeremi J. Stawovy	Jarrett Smith	Robbert Ammirato	Pat Taylor	Scott A. Bolyard	Chad Griffith	Peter Potesta
WVDEP - Piney Creek	Р		✓	√	√	√	✓				√				√		√		P,M												
WVDEP - Alderson Branch	Р		√	√		√					√				√	√			P,M												
WVDEP - Everettville	Р		√	√	√	√	√				√				√	√	√		P,M												
WVDEP - McComas Refuse	Р		√	√		√	√				√						√		P,M												
WVDEP - Pierce Refuse	Р									√	√								P,M												
WVDEP - Fish Run	Р									1	1								P,M												
WVDEP - Lamar Refuse	Р		√	√	√	√	√			•	J				√		√		P,M												
WVDEP - Indian Ridge	Р		V	J	Ĭ	7	7				J				J		7		P,M												
WVDEP - Davy Branch	Р		J	1	J	1	7	√			7				7		7		P,M											\rightarrow	
WVDEP - Eckman Refuse	P		Ĭ	V	Ž	J	V				Ž				Ĭ		<i>\</i>		P,M											\rightarrow	
WVDEP - Horsepen Ridge	P		J	J	J	7	_				Ţ				•		7		P,M												
WVDEP - Thomas Northeast	P		_	_	_	Ž			√		Ž						Ž		P,M											\rightarrow	
WVDEP - Thomas Phase II	Р					_			7		7						•		P,M											\rightarrow	
WVDEP - Thomas Phase I Subsidence	P		√	√	√	√			_	√	V						J		P.M											\rightarrow	
WVDEP - Glenwood Hills Subsidence	P		_	•	_	_			√	_	V						V		P,M											-	
MBOM - Kingsland Mine Pool	P					1			V		y						<u> </u>		P,M											\rightarrow	=
MBOM - Jackson Mountain Mine Fire	P		√	√		\ \ \ \		√			V		/				√		P,M											\rightarrow	-
MBOM - Spruce Hollow Flood Mitigation	P		V	'		\ \ \ \		· ·			V		· •				· ·		P,M											\longrightarrow	\vdash
MBOM - Miller Road Subsidence	P					V			/		V						/		P,M											\longrightarrow	\vdash
MBOM - Broken Hart Refuse	P		/			1	,		V		V						V		P,M											\longrightarrow	\longrightarrow
MBOM - Ocean Gob Pile	P						√				•						V		P,M											\longrightarrow	
MBOM - Ocean Gob Pile MBOM - Porter Road Subsidence	P		✓	-	-	✓	√	1	/		√	-	1		+		√		P,M P,M												
MBOM - Midlothian and Shaft Road Subsidence	P				./	1	-	1			√	1	'		+		√		P,M P,M											\longrightarrow	
MBOM - Taste Freez Subsidence	P				√			 	√		V	-			-		√		P,M P,M											\longrightarrow	
ODNR - Frontz / Folly Mine Fire	P		,	,	-	,		,	V		y	-	 , 		+		√		P,M P,M												
ODNR - Fronz / Folly Mine Fire ODNR - Blue Bell Mining Refuse Fire	P		√	√	-	√		\	-		 -	-	√		+				P,M P,M												
	P			V	1	\	 	√	1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-	-				√														
ODNR - Enoch Township Impoundment ODNR - Pauline Mine Impoundment	P		√			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-				√	-					√		P,M P,M												
·	P		✓		1	√	 	 	,		•	-	 				√														
ODNR - Washington Street Subsidence	P				1	1	 	 	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-	 				_ ·		P,M												
ODNR - Nelan Road Subsidence	-		,		1	,		-	√		√						√		P,M										-		
ODNR - Bull Run Restoration	P		√			√	-	-	,		√	-	,				√		P,M												
ODNR - Ellesmere Ave. Subsidence I,II,II, & IV	P				-	-	-	 	√			_	\				√		P,M											\longrightarrow	
ODNR - El Camino Subsidence	P							<u> </u>	√			<u> </u>	√				√		P,M												
ODNR - Van Atta Subsidence	P							ļ	√			-	√				√		P,M												
ODNR - ST RT. 646 Subsidence	P							ļ	√		,	ļ	√				√		P,M												
PADEP - Russell Joki Refuse	Р		√]		√	<u> </u>	<u> </u>			✓	<u> </u>					√		P,M												

^{*} List whether project experience is corporate or personnel based or both.

^{**} Use this area to provide specific sections or pages if needed for reference.

^{***} List Primary Design personnel and their functional capacity for the projects listed.

APPENDIX C



State of West Virginia **Centralized Expression of Interest**

Proc Folder: 1014779

Doc Description: AML/Sullivan Refuse and Clogged Stream

Reason for Modification:

Addendum #1 issued to publish agency responses to all vendor

submitted questions.

Proc Type: Central Purchase Order

Solicitation Closes Version **Date Issued** Solicitation No 2

2022-04-12 13:30 CEOI 0313 DEP2200000008 2022-04-08

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON WV 25305

US

VENDOR

000000173443 **Vendor Customer Code:**

Potesta & Associates, Inc. Vendor Name:

Address:

7012 MacCorkle Avenue, SE Street:

Charleston City:

Country: **USA** Zip: West Virginia 25304 State:

Dana L. Burns **Principal Contact:**

(304) 342-1400 1127 **Vendor Contact Phone: Extension:**

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III (304) 558-2306

joseph.e.hageriii@wv.gov

Vendor

Signature X FEIN# 31-1509066 DATE April 12, 2022

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

Date Printed: Apr 8, 2022 FORM ID: WV-PRC-CEOI-002 2020/05 Page: 1

ADDITIONAL INFORMATION

The Acquisitions and Contract Administration Section of the Purchasing Division is soliciting an Expression of Interest for West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation, from qualified firms to provide architectural/engineering services per the specifications and terms and conditions.

The mission or purpose of the project for which bids are being solicited is to provide the following design services for the Sullivan Refuse and Clogged Stream project.

.Mine portal reclamation

Drainage control items

Erosion and sediment control

.Coal refuse reclamation

.Slope stabilization

.Stream restoration

.Geotechnical evaluation

.Hydrologic and hydraulic analysis

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

Line	Comm Ln Desc	Qty	Unit Issue
1	EOI Engineering Design Services		

Comm Code	Manufacturer	Specification	Model #	
81100000				

Extended Description:

EOI Engineering Design Services

SCHEDULE OF EVENTS

Line Event Event Date

	Document Phase	Document Description	Page 3
DEP2200000008	Final	AML/Sullivan Refuse and Clogged Stream	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

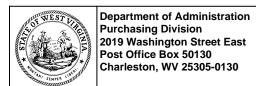
ADDENDUM ACKNOWLEDGEMENT FORM **SOLICITATION NO.:** CEOI DEP22*08

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 rev	isions to my proposal, plans ar	nd/o	r sp	ecification, etc.
	Numbers Received: ox next to each addendum rece	ived	d)	
[X]	Addendum No. 1	[]	Addendum No. 6
[]	Addendum No. 2	[]	Addendum No. 7
[]	Addendum No. 3	[]	Addendum No. 8
[]	Addendum No. 4	[]	Addendum No. 9
[]	Addendum No. 5	[]	Addendum No. 10
further under discussion he	stand that any verbal representa ld between Vendor's represent	atio ativ	n mares a	Idenda may be cause for rejection of this bid. I ade or assumed to be made during any oral and any state personnel is not binding. Only the ifications by an official addendum is binding. otesta & Associates, Inc.
			r	Company
				Dana L. Burns
				Authorized Signature
			A	pril 12, 2022
				Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing. Revised 6/8/2012



State of West Virginia **Centralized Expression of Interest**

Proc Folder:	1014779		Reason for Modification:
Doc Description:	AML/Sullivan Refuse and Cl	ogged Stream	
Proc Type:	Central Purchase Order		
Date Issued	Solicitation Closes	Solicitation No	Version

DEP2200000008

1

0313

BID RECEIVING LOCATION

BID CLERK

2022-03-21

DEPARTMENT OF ADMINISTRATION

2022-04-12

13:30

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON WV 25305

US

VENDOR

Vendor Customer Code: 000000173443

Vendor Name: Potesta & Associates, Inc.

Address:

7012 MacCorkle Avenue, SE Street:

City: Charleston

West Virginia Country: USA **Zip**: 25304 State:

CEOI

Principal Contact: Dana L. Burns

(304) 342-1400 **Vendor Contact Phone:** Extension: 1127

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III (304) 558-2306

joseph.e.hageriii@wv.gov

Vendor

31-1509066 FEIN# April 12, 2022 Signature X DATE

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

Date Printed: Mar 21, 2022 FORM ID: WV-PRC-CEOI-002 2020/05 Page: 1

ADDITIONAL INFORMATION

The Acquisitions and Contract Administration Section of the Purchasing Division is soliciting an Expression of Interest for West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation, from qualified firms to provide architectural/engineering services per the specifications and terms and conditions.

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.Drainage control items

Erosion and sediment control

.Coal refuse reclamation

.Slope stabilization

.Stream restoration

.Geotechnical evaluation

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

Line	Comm Ln Desc	Qty	Unit Issue
1	EOI Engineering Design Services		

Comm Code	Manufacturer	Specification	Model #	
81100000				

Extended Description:

EOI Engineering Design Services

SCHEDULE OF EVENTS

Line Event Event Date

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.

Chief Engineer
(Name, Title)
D. Mark Kiser, Chief Engineer
(Printed Name and Title)
7012 MacCorkle Avenue, SE, Charleston, WV 25304
(Address)
(304) 342-1400 / (304) 343-9031
(Phone Number) / (Fax Number)
dmkiser@potesta.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.

Potesta & Associates, Inc.
(Company)
Qua L. Burns Vice President
(Authorized Signature) (Representative Name, Title)
Dana L. Burns, P.E., P.S., Vice President
(Printed Name and Title of Authorized Representative)
April 12, 2022
(Date)
(304) 342-1400 / (304) 343-9031
(Phone Number) (Fax Number)

Vice President

Title

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 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

04/12/2022

Date

Business Name: _	Potesta & Associates, Inc.
Tax ID #:	31-1509066
Address: _	7012 MacCorkle Avenue, SE
City, State, & Zip: _	Charleston, West Virginia 25304
Phone Number:	(304) 342-1400
Email Address: _	dlburns@potesta.com
Part B: Obtain an	Organizational Family Tree (OFT) from the Applicant Violator System (AVS)
Instructions for dow	the existing AVS information or submit updates under Part C, you must include an OFT. Inloading an OFT from the AVS can be found at:
	gov/resources/forms/OMB1029-0119instructions.pdf
If you require assista avshelp@osmre.gov	nce you may contact the AVS Office by phone at: 800-643-9748, or by email at:
Part C: Certifying	and updating information in the AVS
Select one of the opt	tions, follow the instructions for the selected option, sign, and date below.
I, Dana L. Burns (Print Name)	, have express authority to certify that:
(1 mit ivame)	
X 1. Our busines this option	s is listed in the AVS. The information is accurate, complete, and up to date. (If you select, you must attach an Entity OFT from the AVS to this form). <u>Do not</u> complete Part D.
attach an l	s is in the AVS. The information needs to be updated. (If you select this option, you must Entity OFT from the AVS to this form). Complete Part D to provide the missing or information.
3. Our busines the inform	s is not listed in the AVS. The information needs to be added. Complete Part D to provide nation.





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

Search Criteria:	Primary 🗸	Show E 🗸		Entity Name: 2	47598	Q	Mail To:	Send
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1 of 1 b	♦ Find N	Next 🕏						
011			11/2022 10:03:30 AM	М				
			is listed as an entity or i					
	-		Potesta & Associates Ir					
rent Entity	Relationship	Description	Related Entity	% Owne	rship Begin Da			
7598) Potesta & Associates Inc	Vice President		Dana L Burns	200	3/7/199			
7598) Potesta & Associates Inc	Shareholder		Dana L Burns	209				
7598) Potesta & Associates Inc	Shareholder		Peter Potesta	109				
7598) Potesta & Associates Inc	President		Ronald R Potesta		3/7/199			
7598) Potesta & Associates Inc	Shareholder) Ronald R Potesta	659				
7598) Potesta & Associates Inc	Vice President) Laidley Eli McCoy		6/7/199	7 12/31/2014		
		1 of	1					

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:

February 14, 2024 978 Wolf Pen Drive

Charleston, WV 25312

Vendor's Name: Potesta & Associates, Inc.	
Authorized Signature: Lana & Burns	Date: April 12, 2022
State of West Virginia	
County of Kanawha, to-wit:	
Taken, subscribed, and sworn to before me this 12 day of April	, 20 <u>_</u> 2,
My Commission expires <u>February 14</u> , 2024.	
AFFIX SEAL HERE OFFICIAL SEAL Rhonda L. Henson Notary Public State of West Virginia My Commission Expires NOTARY PUBLIC	Rhonda L Henson

Purchasing Affidavit (Revised 01/19/2018)