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Header @ 1

List View

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

Procurement Folder: 1051908

Procurement Type: Central Purchase Order

Vendor ID: VS0000018987

Legal Name: ASCENT CONSULTING AND ENGINEERING LLC

Alias/DBA:

Total Bid: \$0.00

Response Date: 07/05/2022

Response Time: 8:26

Responded By User ID: Ascent2018

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Last Name: Cayton

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Phone: 304-933-3463

SO Doc Code: CEOI

SO Dept: 0313

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Solicitation Description: EOI - 2022 AML Contract 2
Project South

Total of Header Attachments: 1

Total of All Attachments: 1



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

State of West Virginia
Solicitation Response

Proc Folder: 1051908
Solicitation Description: EOI - 2022 AML Contract 2 Project South
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2022-07-05 13:30	SR 0313 ESR07052200000000029	1

VENDOR
VS0000018987
ASCENT CONSULTING AND ENGINEERING LLC

Solicitation Number: CEOI 0313 DEP22000000020

Total Bid: 0 **Response Date:** 2022-07-05 **Response Time:** 08:26:54

Comments:

FOR INFORMATION CONTACT THE BUYER

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

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Professional Svcs - MacArthur Subsidence Phase III				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

Professional Svcs - MacArthur Subsidence Phase III

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Professional Svcs - Beckley Soccer Complex				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

Professional Svcs - Beckley Soccer Complex

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Professional Svcs - Price Hill Complex Pond Cleaning				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

Professional Svcs - Price Hill Complex Pond Cleaning

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Professional Svcs - Summerlee Water Treatment				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

Professional Svcs - Summerlee Water Treatment

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Professional Svcs - Crown Hill Refuse, Slide & Drainage				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

Professional Svcs - Crown Hill Refuse, Slide & Drainage

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	Professional Svcs - WVU Tech Drainage Morris Creek				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

Professional Svcs - WVU Tech Drainage Morris Creek



CEOI 0313 DEP2200000020

EOI-2022 AML Contract 2 Project South

DATE: July 5, 2022

SUBMITTED BY:

Ascent Consulting and Engineering LLC

Point of Contact: Jeff Knepper

2361 Davisson Run Road, Suite 103, Clarksburg, WV 26301

Tel: 304-933-3463

E-mail: jeffk@ascentconsultingengineers.com

Business Size Standard: Small Business

DUNS No: 067289907

CAGE Code: 8NJW5



Proprietary Statement

The information specifically identified on all pages of this sources sought response constitutes trade secrets or confidential commercial and financial information which Ascent believes to be exempt from disclosure under the Freedom of Information Act. Ascent requests that this information not be disclosed to the public, except as may be required by law. Ascent also requests that this information not be used in whole or part by the government for any purpose other than to evaluate the proposal, except that if a contract is awarded to Ascent as a result of or in connection with the submission of a proposal, the Government shall have the right to use the information to the extent provided in the contract.

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1 EXPRESSION OF INTEREST

Ascent Consulting and Engineering, LLC (Ascent) presents this centralized expression of interest (CEOI) to participate in this project released by the **WVDEP Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML)**. Ascent is prepared to meet the **WVDEP's** expectations cited within the original CEOI to provide the following engineering design services for Contract 2 – West Virginia South Projects (MacArthur Subsidence Phase III, Beckley Soccer Complex Subsidence, Price Hill Complex Pond Cleaning, Summerlee Water Treatment, Crown Hill Refuse – Slide & Drainage, Morris Creek Water Treatment):

- NEPA consultation and documentation
- Public Participation
- Infrastructure Investment Job Act (IIJA) compliance
- Determine legal ownership of properties
- Obtain exploratory and construction rights of entry
- Provide legal documentation to justify legal ownership findings
- Provide current mapping, perform survey and other related services
- Perform site and geotechnical investigations
- Design temporary and permanent access or accesses for construction and future maintenance
- Slope Stabilization
- Design multiple portal seals and regrades
- Design to mitigate AMD
- Design reclamation of exposed coal refuse and mine spoil
- Design drainage conveyances, including drainage channels underdrains, and/or other controls to safely convey water off-site
- Mine subsidence stabilization
- Construction quality assurance and quality control (QA/QC)
- Provide resident project representative/inspector
- Prepare daily construction activity logs summarizing activities
- Provide engineering support and services throughout construction
- Provide Engineers certification report

We acknowledge the importance of this opportunity and commit our experience and cooperation as outlined in the sections below:

- Experience – Listing of Projects
- Outline (resources, sub-contractors, and key personnel)

Ascent Consulting and Engineering, LLC (Ascent) is a Small Business headquartered in Clarksburg, West Virginia. Collectively, our management team has over **50 years** of related experience. Ascent is equipped with a team of professionals, who are experts in their fields and have a comprehensive understanding of construction, engineering, environmental, and best management practices. Ascent has built a network of reliable subcontractors and will pull out all stops for the successful completion of this project! Ascent also maintains an AASHTO accredited materials testing laboratory and provides construction management and inspection services. ***A true full-service firm!***

The **Ascent Team** stands out because of our core competencies that match the requirements of this solicitation:

- **Experience working highly complex engineering design services projects.**
- **Fully licensed and insured.**

- Direct AML project experience and strong references.
- Substantial experience with managing various of projects and task orders simultaneously.
- An intimate understanding of state and federal standards for safety, and quality.
- Ability to determine the most efficient and cost-effective solutions that meet project goals.
- The Ascent Team has significant project experience in over 15 states.
- The Ascent Team can quickly respond to any Task Order that may be issued through this contract, wherever services are needed.

Ascent sincerely thanks the **WV Purchasing Division and the WVDEP-DLR-AML** for this unique and exciting opportunity. We greatly appreciate the opportunity to showcase our Team.

2 EXPERIENCE – PROJECT LISTING INSERTS

GLOBE MINE

SCOPE INCLUDES:

- Water Quality Assessment
- NPDES Compliance
- Acid Mine Drainage Remediation
- Geotechnical Investigation
- Drainage Conveyance



CHALLENGE

Water from 789 Globe Mine which is an old clay mine in Newell, WV was causing contamination to surface water streams. The iron rich water was causing water quality concerns to nearby industrial facilities and eventually to the Ohio River. The existing treatment system failed and the quantity of water from the mine rose exponentially.

SOLUTION

Ascent was tasked with developing a new system to treat the acid mine drainage as well as handle to increased quantity of mine water. A break-wall was installed in the first mine opening to act as a secondary containment to facilitate a steady flow rate. The mine water was pumped to a main aeration pond to facilitate iron sediment settlement. A series of ponds were modified to filter the heavy metals so the water could then be discharged to an onsite stream. With little area to work in Ascent designed a treatment system to handle the increased mine water volume and maintain compliance with the NPDES permit requirements. Extensive hydrogeologic and geotechnical investigations were conducted to determine the mine water pathways and the underground mine workings.

BENEFIT

By modifying the treatment system to handle the increased mine water compliance with the NPDES permit was achieved. Mine seepage and contamination no longer affected nearby industrial facilities or seeped to the Ohio River.



- PROJECT MANAGER: JEFFREY KNEPPER
- CLIENT: VESUVIUS
- PROJECT LOCATION: NEWELL, WV
- PROJECT STATUS: COMPLETED
- PROJECT COST: \$2.5 MILLION

LEON STREET SLIP REPAIR

SCOPE INCLUDES:

- Survey and Mapping Services
- Geotechnical Evaluation
- Engineering design/specifications
- Environmental Assessment/NEPA
- Construction Pre-Bid Documents
- Construction Inspection



CHALLENGE

A slip occurred in the Town of Clarksburg, WV likely caused by slope instability. Ascent was contracted to investigate the slip and complete an engineering design to mitigate the hazard. The location of the slip affects a residence above and commercial businesses below.

SOLUTION

Ascent facilitated three test borings to evaluate the soil characteristics and subsurface structures at the slip location. The borings would help determine the cause of the slip and potential solutions. Upon further investigation the slope instability was the result of a collapsed room and pillar abandoned mine. Based on this information the engineers determined the mine void would be filled and sealed and an H-Pile Retaining Wall would be stalled to mitigate slope stability. Funding was provided via the West Virginia Department of Environmental Protection (WVDEP) Abandoned Land Mines (AML) Program. Total cost of project: \$1,200,000.

BENEFIT

By finding the root cause of the slope stability the hazard was mitigated to the satisfaction of the WVDEP, the residence, and the commercial businesses on time and within a set budget.



- PROJECT MANAGER: MIKE NESTOR
- CLIENT: TOWN OF CLARKSBURG
- PROJECT LOCATION: HARRISON COUNTY, WV
- PROJECT STATUS: ACTIVE
- PROJECT COST: \$1.2 MILLION

ROARING CREEK

SCOPE INCLUDES:

- **Geotechnical Evaluation**
- **Piezometer Installation**
- **Wet Mine Seal Design**
- **Karst Terrain/Sinkhole Stabilization**
- **Acid Mine Drainage Remediation**
- **Drainage Conveyance**



CHALLENGE

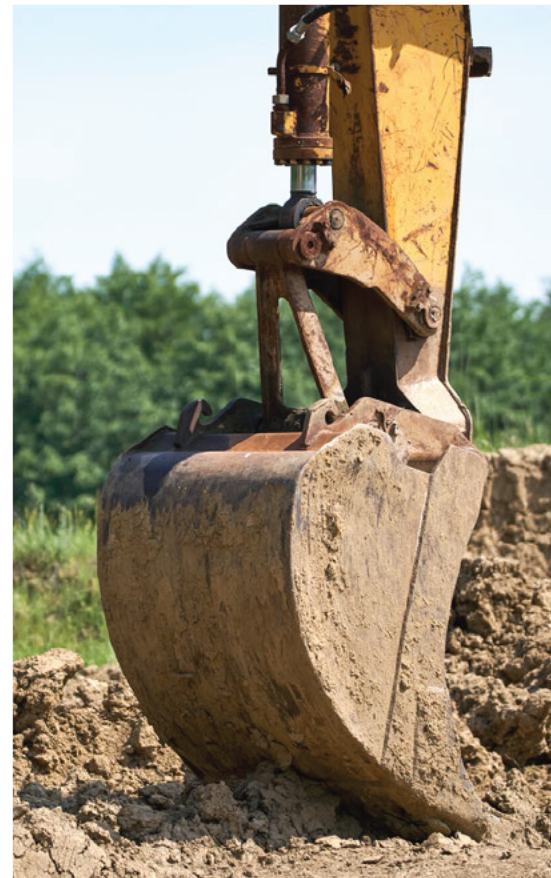
Abandoned mines and karst terrain was causing a loss of water from ponds located at a farm in Coalton, WV. The old mines and sinkhole instability were causing mine seepage to other parts of the farm.

SOLUTION

An extensive geotechnical investigation was conducted to map the various conduits of the mine portals and the hydrogeologic connections to the sinkholes. Once identified a wet mine seal design was developed. Based on the geotechnical grid the mine portals were spread across the vast terrain of the farm. The sinkholes and mine collapses were characterized, and measures were taken to stabilize them across the project area. The farm ponds were losing water and mine seepage was percolating back into the ponds. Regrading was performed around the pertinent site features to work around sinks, ensuring runoff would continue to the feed pond.

BENEFIT

The issues from the abandoned mines and the karst terrain allowed the farm to stabilize. The loss of pond water was corrected so water was retained, and mine seepage was directed elsewhere. The remediation and modifications were performed within on time and within a set budget.



- **PROJECT MANAGER: MIKE NESTOR**
- **CLIENT: PRIVATE**
- **PROJECT LOCATION: COALTON, WV**
- **PROJECT STATUS: COMPLETED**
- **PROJECT COST: \$2 MILLION**

THE SHILOH DEVELOPMENT

SCOPE INCLUDES:

- Survey and Mapping Services
- Geotechnical Evaluation
- Engineering Concept Design
- Stream and Wetland Delineation
- Cultural Resources Survey
- Water Quality Assessment



CHALLENGE

The Shiloh Development is approximately 100 acres of land off I-79 near Stonewood, WV. The initial investigation revealed an abandoned coal mine that required a geotechnical to determine the best remedial option for stability and remediation. Stream and wetland, cultural a habitat studies were also a part of this development.

SOLUTION

Ascent was tasked with investigating the characteristics of the existing abandoned coal mine. A geotechnical investigation was initiated to determine the extent and stability of the mine. These results are crucial to the civil design concept and site development. A stream and wetland delineation of the 100-acre property was suggested as well as a cultural resources and habitat survey. These studies are vital to understanding the property and what state and federal environmental permitting is required. The project has received \$5 million from the WVDEP AML Program.

BENEFIT

Understanding and characterizing the existence of the old coal mine helps correctly design necessary stability components within the full development of the site. It also adds an additional funding source in State and Federal Grant money for project completion.



- PROJECT MANAGER: MIKE NESTOR
- CLIENT: PRIVATE
- PROJECT LOCATION: HARRISON COUNTY, WV
- PROJECT STATUS: ACTIVE
- PROJECT COST: \$25 MILLION

ANGLINS

SCOPE INCLUDES:

- Wet Mine Seal Design
- Geotechnical Evaluation
- Piezometer Installation
- Environmental Assessment
- Drainage Conveyance
- Construction Inspection



CHALLENGE

Mine seepage was identified and flowing freely from the hillside near Anglins Run. The seepage was causing stability issues with a nearby parking lot. As this poses an environmental threat a further investigation as to the cause and nature of the mine seepage.

SOLUTION

A Piezometers were installed to identify pavement and wall elevations to determine the source of the mine seepage. A geotechnical evaluation was conducted to investigate the extent of mine workings and portals. A wet mine seal design was implemented to mitigate the portals. Conveyance ditching was designed with non-calcareous stone and regraded to provide proper drainage and stabilize the parking lot. Funding was provided via the West Virginia Department of Environmental Protection (WVDEP) Abandoned Land Mines (AML) Program. Total cost of project: \$475,000.

BENEFIT

The issues from the abandoned mines and the karst terrain allowed the farm to stabilize. The loss of pond water was corrected so water was retained, and mine seepage was directed elsewhere. The remediation and modifications were performed within on time and within a set budget.



- PROJECT MANAGER: MIKE NESTOR
- CLIENT: WVDEP-AML:
- PROJECT LOCATION: PHILIPPI, WV
- PROJECT STATUS: COMPLETED
- PROJECT COST: \$ 450,000

3 OUTLINE

People and processes are important resources needed for the WVDEP. The section below defines Ascent's resources, subcontractors, and key personnel.

3.1 KEY PERSONNEL

Leadership and staffing are the most important quality of Ascent. Ascent's strategy and competitive advantage is founded on providing the most professional, technically competent, and highly trained leaders for each client. The table below lists the Ascent Key Personnel and their skills.

Michael Nestor, PE Managing Member	Mr. Nestor is the founder and Managing Member of Ascent Consulting and Engineering. He has over 18 years of engineering and consulting experience and previously served as the "Site Division Manager" for a larger, regional engineering firm. Mike will function as the Team Lead for this project, providing experience, communication, and QA/QC. Mike provides site development and re-use planning experience.
Jeffrey A. Parobek, PE Project Engineer	Mr. Parobek will be the Project Engineer. Mr. Parobek has 40 years' experience and maintains a B.S. in Mining Engineering along with a P.E. in Civil Engineering. He is responsible for the overview of technical aspects of project design, design coordination with clients and other members of the design team, public presentations of projects in front of governing bodies, regulatory agencies and at stakeholder meetings, coordination of project bid process and oversight of services during construction including change order and pay application reviews, coordination with other managers for manpower and scheduling, preparation of price proposals and statements of qualifications, preparation of invoices and supplemental work requests.
Jeff Knepper, CPG, LRS Senior Environmental Manager	Mr. Jeff Knepper will be the Licensed Remediation Specialist for this AML Project. Mr. Jeff Knepper is a senior environmental manager and former program manager for the West Virginia Department of Environmental Protection with over 24 years of experience. He worked with the Division of Water and Waste Management to review, develop and approve groundwater protection and remediation plans. He has worked closely with the WV Voluntary Remediation Program (VRP) and spent significant time negotiating as a regulator and consultant for remedial activities for the WVDEP and the EPA. He is a certified Professional Geologist and a West Virginia Licensed Remediation Specialist. Jeff will provide environmental support and leadership for this project.
Amanda Wright Environmental Manager	Amanda will be a subject matter expert while providing overall project management and guidance. Amanda Wright has over 18 years' experience managing large scale and complex environmental projects throughout WV, OH, & PA.

Megan Wagner Environmental Scientist	Megan is a certified wetland specialist with certifications from the USACE among others. She has over 7 years' experience in stream and wetland delineations, soil assessments, GIS mapping and data processing. Megan is also a Certified Asbestos Inspector.
Sara Hltaky Staff Scientist	Sara has over 4 years of experience with data collection, plan writing and mapping for a variety of earth disturbance and agriculture projects. Her experience also includes stream assessments and monitoring. Sara is also a Certified Asbestos Inspector.

3.2 SUB-CONTRACTORS

Ascent Consulting and Engineering has formed a team of subcontractors, listed in the table below, who bring experience to cover all tasking for the WVDEP.

Geotechnical Partner:

ECS MID-ATLANTIC, LLC

www.ecslimited.com



3.3 PROJECT METHODOLOGY

Ascent strongly believes that clear communication and expectations are at the core of every successful project. We will encourage a kickoff meeting with your staff and our design team at the onset of the project for discussion about existing conditions, project goals, availability of funds, site operations, and perceived challenges, etc. This meeting allows us to fully understand the project and to tailor our approach and communication to that of your liking. It is our goal to support the overall vision by providing our experienced team to offer valuable suggestions, looking for efficient ways to accomplish the project goals, and executing a plan that is easily understood, constructed, and ultimately fixes the problem.

At a minimum, Ascent facilitates projects according to the following procedure:

Project Kickoff Meeting

- Sets expectations for scope, budget, schedule, communication procedure, etc.
- Informs team with respect to subconsultants and other outside factors.
- Review of site history and preferred plan.
- Discuss preferences and limitations to site access and other important items.
- Develops "action items" and delivery dates based on various decision points.

Environmental Considerations

- Environmental assessments and reports will be prepared and submitted based on the project parameters.
- Reports/Assessments may include NEPA, characterization reports, treatment/mitigation studies, AMD treatment alternatives and design. Other reports or investigations may be prepared based on the requested agency.

Conceptual Layout and Preliminary Cost Estimation

- On a conceptual level, Ascent will prepare recommendations for project implementation along with preliminary construction cost estimates and input on what each alternative will improve for overall drainage. The intent of this phase is to find the “most bang for your buck”.
- After the concepts have been presented to and discussed with the stakeholders, Ascent will move forward with the design of the preferred alternative(s).
- During this process, various items are completed concurrently such as base mapping, ground survey, geotechnical evaluations, and the ultimate maintenance of the site. Any site work such as clearing and grubbing or minor grading for rig access should be coordinated with the proposed plan in order minimize rework and help to hold down project costs.
- This stage allows the project team to refine the concept and identify anything initially unforeseen that would have an impact to project cost or constructability.
- Permit requirements will be evaluated and drafted during this phase.

Plan Production

- After budgets, feasibility, land acquisitions, etc. are confirmed, Ascent will begin assembling plans and specifications for construction as well as permit submittals.
- The Ascent Project Manager will provide a weekly email update to the **WVDEP** outlining work completed, the schedule ahead, and any changes. Significant changes or new information found that is anticipated to require project adjustments will be brought to the **WVDEP** immediately. Initial contact in this instance is always a phone call, followed by a recap email and in some cases, face to face meetings if representatives are available. Project budgets and schedules are re-evaluated at milestones (typically at 30%, 60%, and 90% completion).
- The keys to project success for this site include but are not limited to site investigation, removal of existing treatment systems, conveyance and mitigation of AMD drainage, conveyance of site runoff and impounded water, re-grading of the project area, and revegetation of all disturbed areas.

The existing treatment systems will be modified or removed based on design specifications. The level of modification will be determined based on the initial site investigation.

AMD will need to be relieved; they will focus on the design of the drainage conveyances as well as mitigation strategies. It will be important to plan not only for the final conditions but also for construction activities and grading operations that may need to be staged to prepare for possible release of water during construction activities.

- Finally, the design will be evaluated for long term sustainability to reduce or completely eliminate maintenance after construction is complete. The plan will be devised in a way that fixes the problem at hand yet minimizes disturbance to the existing landscape. We understand that

vegetation is an important factor to stabilization so any areas that can remain undisturbed will be exonerated from clearing and grubbing activities. In addition, areas that require clear cut will be planned for revegetation to re-stabilize the surface as quickly as possible. The team assembled for this project has extensive experience in geotechnical exploration and design, landslide remediation, hydrology/hydraulics, drainage design, permitting, and AMD treatment processes as well as many other relevant project tasks.

Construction Management and Project Inspection

- The project manager in charge will also serve as the Project Manager throughout construction. He/She will help to identify the proper field personnel to inspect the project, will speak to the inspector daily, and will attend contractor/progress meetings throughout the duration of the project. He/She will review and submit daily reports to ownership and notify the Client immediately if any problems arise. The Project Manager will also review/approve pay applications submitted by the contractor.

Project Finalization

- Ascent will constantly evaluate progress to ensure that the project is on schedule and that pay applications are consistent with the work completed.

The primary objectives of the management framework / processes are:

- **Time, Cost and Scope** – Cost, schedule, and quality control are key components of the Ascent Team's management approach. This module is primarily concerned with defining and controlling the project; tracking, modifying, and controlling the steps for realizing the anticipated project benefits; and providing a structure to manage change. We will use cost, schedule, and quality performance measures agreed to during the kickoff meeting to monitor progress.
- **Communications and Reporting:** Ascent understands communication is a key to success for this effort, and good communication will deliver key messages to stakeholders and other team members. This includes status of activities, schedule, and informational awareness on the project and/or task, as well as reporting on a weekly, monthly, or contract basis.
- **Financials:** Ascent utilizes resource planning, cost estimating based on effort, cost budgeting and cost control processes to ensure that the project is completed within the approved budget. Projects are tracked financially, and billing activities are monitored and controlled along with the collection processes.
- **Quality Management:** All studies for the project will be performed to the industry standard to adhere to proven guidelines. The reports that are generated are peer reviewed internally as a quality control measure.
- **Resource Management:** Our resource management approach ensures that pre-planning, scheduling, and the allocation of Ascent's resources will maximize efficiency for the Brownfield Environmental Assessment and Planning project.
- **Change Management:** Ascent's change management approach is to first stop and pause to understand what is driving the change. Once this is understood, it is communicated directly to the client so that a clear path forward can be developed.
- **Knowledge Management:** Our knowledge management process includes collecting, organizing, clarifying, and disseminating information and knowledge throughout an organization and our

customers. Ascent has developed and maintains an in-house Sharepoint knowledge management site. This knowledge management site is used to house project specific documentation including workflows for routing and approvals.

- **Risk / Issue Management:** Our risk management approach is to reduce the variation in expected project results, including cost, schedule, and performance. Risk management begins with the development of our Risk Management Plan that will continue throughout the life of the project with active participation by all stakeholders. Our PM will manage the Risk Plan, which will contain a description of the risk, the risk category, the risk impact assessment, the risk ranking and urgency, the originator, and the name of the assigned manager/staff member. All problems and issues associated with project performance or related issues will be identified, qualified, and documented in the form of action items, assigned to a responsible individual, entered our Quality Control database, and tracked to resolution. We will employ our rapid issue escalation process via daily stand-up meetings and weekly status reports from our key personnel staff. The Project Manager will ensure that any adverse trends are analyzed for root causes and that appropriate corrective actions are taken.

ATTACHMENT A

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

AML CONSULTANT QUALIFICATION QUESTIONNAIRE

Attachment "A"

PROJECT NAME AML 2022 Contract 2 - South		DATE (DAY, MONTH, YEAR) June 22, 2022		FEIN 82-4069240					
1. FIRM NAME Ascent Consulting and Engineering, LLC		2. HOME OFFICE BUSINESS ADDRESS 2361 Davisson Run Rd Suite 103 Clarksburg, WV 26301		3. FORMER FIRM NAME N/A					
4. HOME OFFICE TELEPHONE (304) 933-3463	5. ESTABLISHED (YEAR) 2018	6. TYPE OWNERSHIP Individual Corporation <input checked="" type="checkbox"/> Partnership Joint-Venture		6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>					
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 2361 Davisson Run Rd Suite 103 Clarksburg, WV 26301/ (304)933-3463/ Michael Nestor, PE / 9									
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Michael R. Nestor, PE (Managing Member) Zachary L. Assaro (Member)			8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS						
9. PERSONNEL BY DISCIPLINE									
<table style="width:100%; border:none;"> <tr> <td style="width:25%; vertical-align:top;"> <u>1</u> ADMINISTRATIVE — ARCHITECTS — BIOLOGIST <u>2</u> CADD OPERATORS — CHEMICAL ENGINEERS <u>7</u> CIVIL ENGINEERS <u>21</u> CONSTRUCTION INSPECTORS — DESIGNERS — DRAFTSMEN </td> <td style="width:25%; vertical-align:top;"> — ECOLOGISTS — ECONOMISTS — ELECTRICAL ENGINEERS <u>3</u> ENVIRONMENTALISTS — ESTIMATORS <u>1</u> GEOLOGISTS — HISTORIANS <u>1</u> HYDROLOGISTS </td> <td style="width:25%; vertical-align:top;"> — LANDSCAPE ARCHITECTS — MECHANICAL ENGINEERS — MINING ENGINEERS — PHOTOGRAMMETRISTS — PLANNERS: URBAN/REGIONAL — SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION WRITERS </td> <td style="width:25%; vertical-align:top;"> — STRUCTURAL ENGINEERS 6 SURVEYORS — TRAFFIC ENGINEERS — OTHER 42 TOTAL PERSONNEL </td> </tr> </table>						<u>1</u> ADMINISTRATIVE — ARCHITECTS — BIOLOGIST <u>2</u> CADD OPERATORS — CHEMICAL ENGINEERS <u>7</u> CIVIL ENGINEERS <u>21</u> CONSTRUCTION INSPECTORS — DESIGNERS — DRAFTSMEN	— ECOLOGISTS — ECONOMISTS — ELECTRICAL ENGINEERS <u>3</u> ENVIRONMENTALISTS — ESTIMATORS <u>1</u> GEOLOGISTS — HISTORIANS <u>1</u> HYDROLOGISTS	— LANDSCAPE ARCHITECTS — MECHANICAL ENGINEERS — MINING ENGINEERS — PHOTOGRAMMETRISTS — PLANNERS: URBAN/REGIONAL — SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION WRITERS	— STRUCTURAL ENGINEERS 6 SURVEYORS — TRAFFIC ENGINEERS — OTHER 42 TOTAL PERSONNEL
<u>1</u> ADMINISTRATIVE — ARCHITECTS — BIOLOGIST <u>2</u> CADD OPERATORS — CHEMICAL ENGINEERS <u>7</u> CIVIL ENGINEERS <u>21</u> CONSTRUCTION INSPECTORS — DESIGNERS — DRAFTSMEN	— ECOLOGISTS — ECONOMISTS — ELECTRICAL ENGINEERS <u>3</u> ENVIRONMENTALISTS — ESTIMATORS <u>1</u> GEOLOGISTS — HISTORIANS <u>1</u> HYDROLOGISTS	— LANDSCAPE ARCHITECTS — MECHANICAL ENGINEERS — MINING ENGINEERS — PHOTOGRAMMETRISTS — PLANNERS: URBAN/REGIONAL — SANITARY ENGINEERS — SOILS ENGINEERS — SPECIFICATION WRITERS	— STRUCTURAL ENGINEERS 6 SURVEYORS — TRAFFIC ENGINEERS — OTHER 42 TOTAL PERSONNEL						
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>2</u> *RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.									
10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? N/A <input type="checkbox"/> YES <input type="checkbox"/> NO									

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

☒ YES Description and Number of Projects: Performed design for various projects dealing with mine seepage and ground instability. Coordinated drilling/monitoring activities, designed wet mine seals, drainage conveyances, E&S measures, and slip repairs, etc. Approximately 13 projects completed. Specifically, Mr. Nestor was heavily involved in the Anglins Run and Roaring Creek projects as well as several others. Mr. Knepper has been involved with several AMD remediation active and passive treatment systems.

NO

B. Is your firm experienced in Soil Analysis?

☒ YES Description and Number of Projects: Ascent staff is experienced with identifying hydric soils applicable to wetlands and subsequent permitting needs. Ascent is also experienced with reading boring logs and coordinating with Geotechnical Engineers in order to apply information to practical designs. Ascent personnel has provided such services on dozens of projects. Ascent's Environmental Division Manager is a Certified Professional Geologist.

NO

C. Is your firm experienced in hydrology and hydraulics?

☒ YES Description and Number of Projects: Ascent personnel performs pre and post watershed analyses on a variety of projects. We have completed drainage studies for municipalities, private development projects, and AML projects. We have also performed stream analyses for bridge replacement projects and development in flood prone areas. This type of work is performed in nearly every project Ascent works on and has been completed in hundreds of projects.

NO

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

☒ YES Description and Number of Projects:

NO Ascent produces aerial photography and develops contour mapping in-house. Ascent recently formed a survey division which includes 6 in-house surveyors.

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

☒ YES Description and Number of Projects: Ascent is experienced with the design and layout of potable water systems for commercial and residential development projects. We have completed dozens of mainline extensions and/or replacement projects. Ascent's Environmental Manager does have experience with aquifer degradation as it relates to mining. He was previously and Environmental Resource Program Manager for the Division of Mining and Reclamation.

NO

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

YES Description and Number of Projects: Ascent Personnel has developed several projects dealing with evaluation of Acid Mine Drainage and design of conveyance/treatment systems. Approximately 13 projects completed. In addition, Jeff Knepper (Ascent) has extensive experience in Acid Mine drainage treatment both on the consulting side as well as the Regulatory side. He was formerly an Environmental Resources Program Manager for the Department of Mining and Reclamation for the WVDEP.

NO

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Nestor, Michael, R.	15	18	18

Brief Explanation of Responsibilities

Mr. Nestor has served in various roles for AML projects as well as numerous projects with related design activities. Mr. Nestor worked as a staff engineer, project engineer, project manager, and then led an entire site development division for a large regional design firm before starting Ascent Consulting and Engineering. He now serves as the Managing Member for the firm. He is very heavily involved in all aspects of the firm's work including design and review for projects. Mr. Nestor has and continues to work with drainage, stormwater, land development, public utility, transportation/access roads, landslides, etc.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science in Engineering Technology, 2003

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers
American Society of Highway Engineers (Past President of NCWV Region)

REGISTRATION (Type, Year, State)

Professional Engineer, 2009, WV
Professional Engineer, 2020, PA
Professional Engineer, 2020, VA
Professional Engineer, 2020, MD

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Assaro, Zachary, L.	7	9	9

Brief Explanation of Responsibilities

Mr. Assaro served as a staff engineer, project engineer, and then project manager within a large regional design firm prior to joining Ascent Consulting and Engineering as a co-owner/member. Mr. Assaro has performed design and management work for a variety of project types including but not limited to access roads, drainage and stormwater management, land development, public utilities, slip repairs, etc.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science in Engineering Technology, 2012

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

N/A

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

NAME & TITLE (Last, First, Middle Int.) Short, Eric, M.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 13	YEARS OF AML RELATED DESIGN EXPERIENCE:18	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:18

Brief Explanation of Responsibilities
Mr. Short has been involved in nearly every facet of civil engineering design. He serves as the engineering manager for Ascent Consulting and Engineering. Mr. Short's experiences covers large land development projects, slip repair, access road design, E&S plans, drainage/stormwater management, etc.

EDUCATION (Degree, Year, Specialization)
 Bachelor of science in Engineering Technology, 2003

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers American Society of Highway Engineers	REGISTRATION (Type, Year, State) N/A
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13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.) Knepper, Jeffrey	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 16	YEARS OF AML RELATED DESIGN EXPERIENCE:24	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:0

Brief Explanation of Responsibilities
Mr. Knepper serves as Ascent's Environmental Division Manager however maintains a wide variety of duties within the Company. Jeff is a certified professional Geologist, licensed remediation specialist, and carries certifications in above ground storage tanks. Jeff previously served as an Environmental Resources Program Manager for WVDEP, handling permitting and compliance approvals for mining facilities in the state of WV. His background covers investigation work, regulatory/compliance, hydrogeology, remediation and treatment systems.

EDUCATION (Degree, Year, Specialization)
 Bachelor of Science in Geology, 1998 (West Virginia University)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Institute of Professional Geologists West Virginia Manufacturers Association GO WV PIOGA (PA)	REGISTRATION (Type, Year, State) Professional Geologist, VA Licensed Remediation Specialist, WV Certified Aboveground Storage Tank Inspector, STI-SP001 Certified Aboveground Storage Tank Inspector, PA
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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
Cacapon Resort State Park I&I Study	WVDNR 324 4 th Avenue South Charleston, WV 25303	Preliminary Engineering Study to determine needed system upgrades	Not yet determined	15% Design
Realizations 789, AMD Treatment, Hancock County WV	Vesuvius 250 Parkwest drive Pittsburgh PA	Active and passive AMD treatment systems, Permitting, UIC.	\$1,500,000	100% Complete
Lost Creek Natural Gas replacement, 8 mile replacement, Harrison County WV	Dominion Energy Transmission Southern Regional Headquarters, Weston, WV	Transmission Line design, environmental clearances & permitting, construction administration, survey, inspection	\$5,000,000	Design Complete/ Construction Starts Spring 2021
Leon Street Slip, AML Grant, Clarksburg WV	Town of Clarksburg, WV	Hydrologic Analysis, Slip Repair, NEPA development, AML grant preparation	\$1,000,000	50% complete - Construction phase
Yocum Slip Repair	Southwester Energy 1300 Fort Pierpont Dr Morgantown, WV 26508	Evaluate Existing slip in roadway, perform geotechnical investigation, and design slip repair plan	\$1,000,000	25% Design
Lewis County Broadband	Lewis County Commission	110 Center Avenue Weston, WV 26452	\$500,000	2%
Gnats Run Road Slip	Antero Resources White Oaks Blvd. Bridgeport, WV	Geotechnical Evaluation, slip repair design	\$250,000	95% Design
TOTAL NUMBER OF PROJECTS:7			TOTAL ESTIMATED CONSTRUCTION COSTS: \$8,250,000	

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

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
Concrete Testing And Inspections	Testing and Inspections	Antero Resources, Bear Contracting, City of Buckhannon, Wolfe's Excavating	Ongoing	Varies	Varies
Paving Projects Numerous	Testing and Inspections	Wolfe Excavating Bear Contracting Mountaineer Contractors Stantec	Ongoing	Varies	Varies
Bartlett House	Site Plan for new structure	Bartlett House 1110 University Ave Morgantown, WV 26505	September 2020	Unknown	\$50,000
ND Paper - various projects	Structure engineering and mechanical component drawings	ND Paper 702 AFR Drive Fairmont, WV 26554	Ongoing	\$40,000,000	Varies
Ridgedale Retaining Wall	Retaining Wall Design and detailing	Monongalia County Schools	Just completed	Unknown	\$50,000

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Fort Martin Road Maintenance Monongalia County, WV & turning lane/entry improvements	Longview Power 1375 Fort Martin Rd Maidsville, WV 26541	\$125,00 & \$600,000	2018/ 2019	YES YES
Lowndes Hill Slip Repair Harrison County, WV	City of Clarksburg 222 West Main Street Clarksburg, WV 26301	\$200,000	2018	YES
The Vale, Residential Housing, Bridgeport, WV	Trailhead Investments, LLC. 721 Brightridge Drive Bridgeport, WV 26330	\$1,900,000	2018- 2019	YES
Realisations 789, AMD Treatment, Hancock County WV	Vesuvius 250 Parkwest Drive Pittsburgh PA	\$1,500,000	2018- 2020	YES
Camden Slip Repair & Drainage Improvements	Mountain V Oil and Gas Bridgeport, WV	\$500,000	2020	YES
TL 255 Natural Gas replacement, 5 mile replacement, Wood County WV	Dominion Energy Transmission Southern Regional Headquarters, Weston, WV	\$9,900,000	2020	YES
Sole/Morris Compressor Station, 12 acre compressor pad for natural gas operations, Tyler County, WV	Antero Resources White Oaks Blvd. Bridgeport, WV	\$1,000,000	2019	YES
ND Paper Slip, repair of slip along Monongahela River, Marion County	ND Paper 702 AFR Drive Fairmont, WV 26554	\$500,000	2020	YES

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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Leon Street Slip, AML grant funded, Clarksburg WV	Town of Clarksburg, WV	\$1,000,000	2021	Design Complete	Desmone Architecture
WVU Hospitals Rehab Center	WVU Hospitals	\$500,000	2019	NO	Paradigm Architecture

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program. Ascent has assembled a team of senior level design professionals that have a wide variety of experience in the industry. Our size allows us to communicate effectively internally as well as with our clientele, often producing innovative ideas helping to avoid pitfalls that larger firms fall into with inexperienced designers and ineffective communication. Our design personnel specialize in earthwork and drainage which is very well suited for this project and we have close relationships with valued subs that make Geotechnical and Survey project components seamless with the rest of our operations.

20. The foregoing is a statement of facts.

Signature: _____

Title: _____

Date: _____

Printed Name: _____

ATTACHMENT B

AML and RELATED PROJECT EXPERIENCE MATRIX																								
PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS															PARTICIPATION/CAPACITY M=Management P=Professional ***						
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Michael Nestor	Eric Short	Jeff Knepper	Zachary Assaro	Devon Shrewsberry	Keith Axton	
Anglins Run - AML	P		x	x	x	x					x						x	P	P					
Roaring Creek - AML	P		x	x	x	x			x		x					x	x	P	P					
Lowndes Hill Slip Repair	C/P		x						x		x		x				x	M/P	P		P			
Leon Street Slip Repair - AML	C/P		x	x		x			x				x			x	x	M	P	P		P	P	
Vesuvious Clay Mine	C/P		x	x	x	x		x	x	x		x	x	x	x	x				M/P	M			
Shiloh Development	C/P		x	x		x		x	x		x	x	x			x	x	M/P	P	P			P	

* 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.

ATTACHMENT C



REGISTRATIONS

Professional Engineer:

- West Virginia
- Virginia,
- Ohio
- Pennsylvania
- Maryland

ASSOCIATIONS

- American Society of Civil Engineers.
- American Society of Highway Engineers (Past President of NCWV Region).

EDUCATION

Fairmont State College, Fairmont, WV

Bachelor of Science in Engineering Technology

YEARS EXPERIENCE

- 16 years
- 2 ½ years at ACE

Email:

mike@ascentconsultingengineers.com

MICHAEL NESTOR, PE

SUMMARY

Mr. Nestor is a Civil Engineer registered professionally in WV and serves as the Managing Member of Ascent Consulting and Engineering, LLC. He has over 16 years of consulting experience focusing on land development projects and stormwater management in WV, MD, and PA. His expertise allows him to guide projects from concept to completion by understanding the goals/vision of the project, effectively communicating with the project team, and paying careful attention to the details. Mr. Nestor will be responsible for leading and client communication on this project.

EXPERIENCE

ASCENT CONSULTING AND ENGINEERING, (CLARKSBURG, WV)

Mr. Nestor is the founding/managing member of Ascent. He is responsible for the day to day operations of the firm and Quality Assurance/Control. In addition, Mike serves as the Engineering Division Manager, working with Engineers, CAD Techs, etc. to ensure projects include practical and efficient designs, and are delivered in a timely manner.

THE THRASHER GROUP, (BRIDGEPORT, WV)

Throughout Mr. Nestor's employment with The Thrasher Group, he served in a variety of roles ranging from Staff Engineer up to Site Group Division Manager. This allowed him to work on teams for a wide variety of projects and in a range of capacities.

BUSINESS AND INDUSTRIAL PARKS

Designed and permitted the sites for multiple commercial and industrial properties ranging from major development projects such as the White Oaks Business Park and West Ridge Development to individual development sites for commercial and retail uses.

ROADS/SIDEWALKS

Designed and managed various roadway projects ranging from new road builds to maintenance and improvement projects.

STORMWATER MANAGEMENT

Designed numerous stormwater management facilities and developed stormwater management programs for compliance to the State of WV's MS4 Program in several communities.



REGISTRATIONS

- Certified Professional Geologist – Virginia
- Licensed Remediation Specialist – West Virginia
- Certified Aboveground Storage Tank Inspector – STI-SP001
- Certified Aboveground Storage Tank Inspector – Pennsylvania

EDUCATION

West Virginia University,
Morgantown, WV – Bachelor
of Science in Geology – 1998

ASSOCIATIONS

- American Institute of Professional Geologist
- West Virginia
- Manufacturers Association
- IOGA of West Virginia
- PIOGA – PA

YEARS EXPERIENCE

- 20+ years
- 1 ½ years at ACE

Email:

jeffk@ascentconsultingengineers.com

JEFFREY KNEPPER, CPG, LRS

SUMMARY

Mr. Knepper has 20 years of experience working on complex environmental and regulatory projects specializing in environmental/regulatory compliance, remediation, permitting, and aboveground storage Tank (AST) services. Mr. Knepper is adept at developing practical and innovative solutions to challenging environmental issues often faced by oil and gas and other industrial clients. His track record in regulatory compliance, permitting, soil and groundwater remediation, and environmental impacts make him a key team member on projects. Mr. Knepper is a certified professional geologist and a WV licensed remediation specialist. Mr. Knepper is an experienced AST inspector with over 1,000 completed inspections in various states including: WV, PA, OH, KY, WI, MI, VA and NY.

EXPERIENCE

ENVIRONMENTAL INVESTIGATIONS

CPFilms, Industrial Facility, Fieldale, VA – Mr. Knepper performed nature and extent and site characterization studies for volatile organic compounds. He developed corrective action plans, installed groundwater monitoring wells and performed statistical analyses on results.

Federal Mogul, Industrial Facility, Winchester, VA – Mr. Knepper performed groundwater sampling and statistical analyses on results to determine the cause of upgradient groundwater contamination. Mr. Knepper received a commendation from the Virginia Department of Environmental Quality for exemplary sampling methods and techniques.

U.S. Silica, Berkeley Springs, WV – Mr. Knepper led the field operations team at an emergency spill cleanup for chemicals which included: sulfuric acid, caustic soda and petroleum sulfonate from aboveground storage tanks. Mr. Knepper's full knowledge of the WVDEP regulations for tanks and site cleanup proved invaluable in minimizing potential contamination and receiving high praise from the WVDEP.

ENVIRONMENTAL REGULATORY AND COMPLIANCE

Dominion Energy Transmission, Bridgeport, WV – Mr. Knepper developed a permitting guide to monitor permit conditions, permit expirations and regulatory deadlines. This guide encompassed all of Dominion's permits. It helped to mainstream and organize permits regardless of personnel responsibilities and turnover.

American Electric Power, Mountaineer Plant, New Haven, WV - Mr. Knepper developed the first Carbon Capture and Sequestration (CCS) permit in WV and the United States. The permit was issued prior to the Environmental Protection Agency releasing the regulations for the newly established class VI rules which now govern CCS.

UNDERGROUND INJECTION CONTROL

Mr. Knepper has over 10 years of experience working with underground injection control projects. He was the state-wide Environmental Resources Program Manager for WV handling all permitting and compliance approvals for mining facilities working closely with various mining companies including: Wolf Run Mining, Greenbrier Minerals, Independence Coal, Brooks Run Mining, Mid-Vol Coal Sales, Pinnacle Mining, ICG-Beckley, LLC and many more. Mr. Knepper has also provided this knowledge to the consulting realm as an alternative to existing permits or lack of efficiency in current treatment options.

Vesuvius, Globe Mine, Newell, WV – Mr. Knepper led a team to renew a NPDES permit at an old clay mine. The facility had been violation for many years because of the high concentration of iron. Mr. Knepper was instrumental in renewing the NPDES permit and providing an alternative to help bring the facility back into compliance with the WVDEP.

HYDROGEOLOGY

Georgia Pacific, Industrial Facility – Martinsville, VA - Mr. Knepper performed groundwater sampling and statistical analyses on volatile organic compounds, metals and semi-volatile organic compounds from groundwater samples.

Scott County, Gate City, VA – Mr. Knepper performed site characterization studies on volatile organic compounds contaminating multiple sites. Mr. Knepper prepared corrective action plans and nature and extent studies. He also performed groundwater statistics that were used by the VDEQ as a model for how to perform the various investigations and studies.

Patrick County, Stuart, VA – Mr. Knepper helped design and manage a gas extraction system for the County. He also was instrumental in the approval of a corrective action plan from the VDEQ for vinyl chloride contamination. Mr. Knepper developed alternatives the State of Virginia now uses to evaluate nature and extent studies and site characterization reports.



REGISTRATIONS

Pennsylvania, [REDACTED]
West Virginia, [REDACTED]
Virginia, [REDACTED]
Ohio, [REDACTED]
North Carolina, [REDACTED]
Tennessee, [REDACTED]

EDUCATION

Bachelor of Science Degree in
Mining Engineering, The
Pennsylvania State
University at University Park,
Pennsylvania, 1983.

Certification from ASFE,
Fundamentals of Professional
Practice Management
Course, Magna Cum Laude,
1996.

Maryland Erosion and
Sediment Control
Certification No. [REDACTED]
March 30, 2016

CORE QUALIFICATIONS

Site Development
Municipal Infrastructure
Erosion Control Plans
Brownfields
Redevelopment
Regulatory Compliance
Environmental Permitting
Storm Water Management
Technical Writing
Cost Estimating
Construction Management

JEFFREY A. PAROBK, PE

SUMMARY

Mr. Parobek is currently employed as a Engineering Manager: He is responsible for overview of technical aspects of project design, design coordination with clients and other members of the design team, public presentations of projects in front of governing bodies, regulatory agencies and at stakeholder meetings, coordination of project bid process and oversight of services during construction including change order and pay application reviews, coordination with other managers for manpower and scheduling, preparation of price proposals and statements of qualifications, preparation of invoices and supplemental work requests.

EXPERIENCE

Palomino Drive Water Line in Weirton, West Virginia for the City of Weirton, Dept. of Water. Water line extension project for a 14" water main (approximately 1,900 l.f.) to serve the Three Springs Industrial and Business Park.

Lardin Substation Expansion in German Township, Pennsylvania for Allegheny Power. Mr. Parobek was project Manager for the project that included including grading, landscape buffer, drainage improvements, erosion and sediment control plans and stormwater management report. The project included coordination meetings with the municipalities and attendance at zoning and planning hearings to obtain local approvals.

Lead project engineer on part of the Indonesia Transmission Line in Irian Jaya for P.T. Freeport Indonesia Company. Design project for a reliable 60-mile-long, 230 kV transmission line from an ocean port site through mangrove swamps to a mill in the mountains at elevation 9,000 ft. to supply power to the client's copper and gold mining operations. Responsible for design and coordination of one- mile underground segment of twin 230 kV to avoid flight path issues with final approach to major airport.

Loyalhanna Substation Expansion in Latrobe, Pennsylvania for Allegheny Power. A Site development project to expand the Loyalhanna Substation. Mr. Parobek was project manager for the site design portion of the project that consisted of topographic and property survey, grading plans and erosion and sediment control plans. The project also included coordination meetings with the municipality and local permit applications.

Summerset at Frick Park Residential Development at Nine Mile Run in Pittsburgh, Pennsylvania for the Urban Redevelopment Authority of Pittsburgh. Residential development project for a 238- acre brownfield site requiring Phase I and II grading, infrastructure planning, design, and permitting for a 713-unit multi-phased residential development on an abandoned riverside slag dump bordering the main access highway to Pittsburgh's eastern suburbs.



EDUCATION

B.S. Environmental Studies: Fisheries & Wildlife

California University of Pennsylvania,
2014

YEARS EXPERIENCE

- 7+ Years

CERTIFICATIONS

- 10 Hour OSHA – Construction & Health Certification, 2015
- 40-Hour Army Corps of Engineers Wetland Delineation Certification, Richard Chinn Environmental Training, 2015
- Morphological Soils Investigations Certification, PADEP, 2016
- Ohio Rapid Assessment Method for Wetlands v. 5.0 Training Course, 2017
- PADEP One-Day Technical Training, 2017
- Asbestos Building Inspector Certification – December 2021
- WV Licensed Asbestos Inspector – Issued December 2021

ASSOCIATIONS

- Member of The Women's Energy Network WV
- University Relations Chair – Air & Waste Management Association

Email:
megan@ascentconsultingengineers.com

MEGAN WAGNER

ENVIRONMENTAL SCIENTIST

SUMMARY

Ms. Megan Wagner is an Environmental Scientist for Ascent services. Ms. Wagner has approximately 7 years of experience with data collection, report writing and GIS mapping for a variety of projects. Her experience includes stream and wetland delineations, soil assessments, infiltration testing, soil profiling, stream assessments and monitoring, BMP suitability reports, habitat assessments, permit writing, Phase 1 reporting, SWPPP, GPP, and SPCC plans, stormwater sampling, and GIS mapping/data processing. She is a certified Asbestos Inspector with a license in West Virginia. She has been involved in numerous projects located within WV, PA, and OH. The range of projects include, well pads, access roads, road upgrades, gathering lines, ASTs, impoundments, modifications, slip repairs, and water and gas pipeline projects.

EXPERIENCE

DIEFFENBAUCH & HRITZ

Environmental Scientist II, GIS Technician

Generated field work, data collection, and report writing for stream and wetland delineations. Completed nationwide permits and stream activity permits. Operated soil infiltration testing and subsurface evaluations for soil assessment reports. Performed rare, threatened, and endangered species studies and regulatory coordination, habitat assessment and plant relocation projects. Conducted stream assessment, monitoring, and macroinvertebrate surveys. Completed mapping, GIS, and GPS data with ArcGIS 10.6 and Trimble Geo 7x Units. Performed erosion and sediment control inspections.

SUTTON AVIAN RESEARCH CENTER

Survey Technician

Was responsible for collection of all field data on federally threatened Lesser Prairie Chicken. Performed habitat assessment based on vegetation and topography. Completed triangulation points for determined Leks. Utilized four-wheel drive on rough terrain/roads. Identified target species as well as multiple grassland birds.

ALLEGHENY WOOD PRODUCTS

Forestry Intern

Assisted forestry with research on the Blackwater Canyon Habitat Conservation Plan (HCP). Maximized research on Indiana bat, Northern long-eared bat, Virginia bat, and Cheat Mountain salamander for better understanding of endangered species present and to assist forestry on proposing a proper HCP to allow timber harvest on the Blackwater Canyon property.



EDUCATION

B.S. Biology

Waynesburg University, 2018

YEARS EXPERIENCE

- 4+ Years

CERTIFICATIONS/TRAINING

- Environmentally Sensitive Maintenance Certification- 2018
- Agricultural Conservation Technicians Bootcamp Level I- 2019
- NM Managing Nutrients Workshop- 2019
- NM Plan Writing Workshop- 2019
- NM Plan Review Workshop- 2019
- NM ACA & Manure Storage Workshop- 2019
- NM Stormwater & Soil Loss Workshop- 2019
- NM P Index Workshop- 2019
- Erosion and Sediment Control Plan Review Training- 2019
- Asbestos Building Inspector Certification – December 2021
- WV Licensed Asbestos Inspector – Issued December 2021
- 38-Hour Army Corps of Engineers Wetland Delineation Certification, Richard Chinn Environmental Training, 2022

Email:

sara@ascentconsultingengineers.com

SARA HLATKY

STAFF SCIENTIST

SUMMARY

Ms. Sara Hlatky is a Staff Scientist at Ascent services. Ms. Hlatky has approximately 4 years of experience with data collection, plan reviewing, plan writing and mapping for a variety of projects for earth disturbance and agriculture. She is a certified, licensed Asbestos Inspector in West Virginia. Her experience includes soil assessments, soil profiling, stream assessments and monitoring, BMPs for agriculture and earth disturbance, mapping, plan review, plan writing and data processing. She has been involved in numerous earth disturbance projects and agriculture planning projects located within PA. Range of projects include but not limited to DGLVR, slip repairs, well pads, commercial buildings, water and gas pipeline, rotational grazing, and ACA management.

EXPERIENCE

Greene County Conservation District Conservation Specialist

Managed and oversaw all District and District delegated programs at various levels. Programs include but not limited to: Agriculture, Nutrient Management, CH-102 Erosion and Sediment Control, CH-105 Water Obstructions and Encroachments, and DGLVR. Duties included: plan review, plan writing, soil sampling, E&S inspections. Managed the Districts' Greene County's Reinvestment in Agriculture Cost Share Enhancement Program (GRACE) program solely; the program promotes soil and water conservation through agriculture BMP implementation. Conducted all field and administrative work for GRACE.

Reliance Laboratories Environmental Field Technician

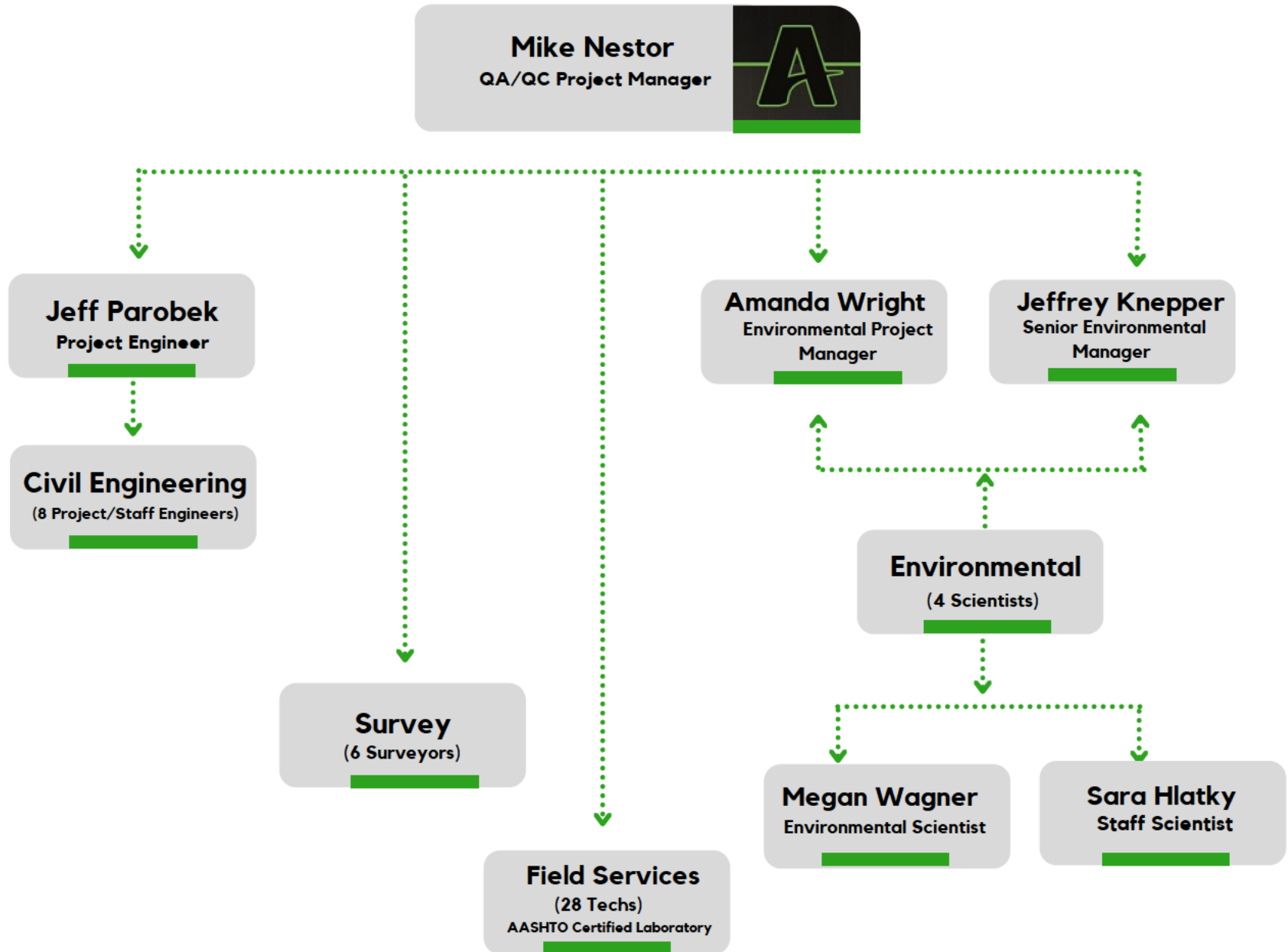
Responsible for collection, sampling and environmental reporting of stormwater, wastewater and drinking water for government-regulatory entities, commercial and domestic clientele.

Waynesburg University Research Abiotic and biotic impacts of acid mine drainage in Dunkard Creek-Greene County, PA

Conducted research on environmental impacts of acid mine drainage in Dunkard Creek, Greene County. Research involved stream monitoring, water sampling and macroinvertebrate surveying. Research was presented at two events: oral presentation at the Association of Southeastern Biologists 79th Annual Meeting in Myrtle Beach, SC and poster presentation at Waynesburg University's Research Symposium in Waynesburg, PA.

ATTACHMENT D

PROJECT TEAM



ATTACHMENT E

State of West Virginia



Certificate

I, Mac Warner, Secretary of State of the State of West Virginia, hereby certify that

ASCENT CONSULTING AND ENGINEERING LLC

made application to the West Virginia Secretary of State's Office to be a registered limited liability company in the State of West Virginia on January 26, 2018. The application was received and found to conform to law.

The company is filed as an at-will company, for an indefinite period.

I further certify that the company has not been revoked or administratively dissolved by the State of West Virginia nor has the West Virginia Secretary of State issued a Certificate of Cancellation or Termination to the company.

Accordingly, I hereby issue this Certificate of Existence

CERTIFICATE OF EXISTENCE

Validation ID:3WV1G_DBDBQ



*Given under my hand and the
Great Seal of the State of
West Virginia on this day of*

February 25, 2021

Mac Warner

Secretary of State



west virginia department of environmental protection

Division of Land Restoration
601 57th Street SE
Charleston, WV 25304

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

October 13, 2021

Jeffrey Knepper
Ascent Consulting & Engineering, LLC
2361 Davisson Run Road
Clarksburg, WV 26301

Renewal - Licensed Remediation Specialist Certification

Dear Mr. Knepper:

Congratulations! We are pleased to inform you that you have filed your renewal application in accordance with appropriate time frames along with evidence of continuing education in the environmental remediation field. You have completed in a timely manner all of the license renewal requirements.

Please find your Licensed Remediation Specialist Renewed License Certificate enclosed and you may continue to practice as a licensed remediation specialist.

Sincerely,

Michael Sheehan
Acting Director

Enclosure: LRS License Renewal Certificate
cc: LRS file: Registration Number [REDACTED]

Renewal



West Virginia
Department of
Environmental Protection

KNEPPER, JEFFREY S
Licensed Remediation Specialist

Registration Number: ■

Director, Division of Land Restoration

10/01/2021 - 09/30/2023

Date Issued - Date Expires

CONTRACTOR LICENSE

Authorized by the

West Virginia Contractor Licensing Board

Number:

WV058563

Classification:

GENERAL BUILDING

ASCENT CONSULTING AND ENGINEERING L
DBA ASCENT CONSULTING AND ENGINEERING L
2361 DAVISSON RUN RD STE 103
CLARKSBURG, WV 26301

Date Issued

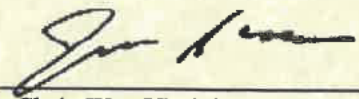
Expiration Date

MAY 08, 2021

MAY 08, 2022

**WEST VIRGINIA
CONTRACTOR
LICENSING
BOARD**

Authorized Company Signature



Chair, West Virginia Contractor
Licensing Board

This license, or a copy thereof, must be posted in a conspicuous place at every construction site where work is being performed. This license number must appear in all advertisements, on all bid submissions and on all fully executed and binding contracts. This license cannot be assigned or transferred by licensee. Issued under provisions of West Virginia Code, Chapter 21, Article 11.

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

08-31-2023

NUMBER

BOARD FOR PROFESSIONAL SOIL SCIENTISTS, WETLAND PROFESSIONALS & GEOLOGISTS
CERTIFIED PROFESSIONAL GEOLOGIST



JEFFREY SCOTT KNEPPER

DPOR


Mary Braz-Vaughan, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

ATTACHMENT F

ABANDONED MINELANDS (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

Business Name: Ascent Consulting and Engineering, LLC
Tax ID#: 82-4069246
Address: 2361 Davisson Run Rd. Suite 103
City, State, & Zip: Clarksburg, WV 26301
Phone Number: 304-933-3463
Email Address: tanya@ascentconsultingengineers.com

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

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. Instructions for downloading an OFT from the AVS can be found at:

<https://www.osmre.gov/resources/forms/OMB1029-0119instructions.pdf>

If you require assistance you may contact the AVS Office by phone at: 800-643-9748, or by email at:

avshelp@osmre.gov.

Part C: Certifying and updating information in the AVS

Select one of the options, follow the instructions for the selected option, sign, and date below.

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

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

6-22-22
Date

[Signature]
Signature

managing member
Title

Part D: OFT InformationContractor's Business Name: Ascent Consulting & Engineering, LLC.

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

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

Name: Michael R. Nestor
 Address: 2361 Dawson Run Rd Ste 103
 City, State, Zip: Clarksburg, WV 26301
 Begin Date: Jan. 2018
 End Date: N/A
 % Ownership: 50%
 Position/Title: managing Member
 Phone Number: 304-933-3463

Name: _____
 Address: _____
 City, State, Zip: _____
 Begin Date: _____
 End Date: _____
 % Ownership: _____
 Position/Title: _____
 Phone Number: _____

Name: Zachary Assaro
 Address: 2361 Dawson Run Rd. Ste 103
 City, State, Zip: Clarksburg, WV 26301
 Begin Date: May 2018
 End Date: N/A
 % Ownership: 50%
 Position/Title: member
 Phone Number: 304-933-3463

Name: _____
 Address: _____
 City, State, Zip: _____
 Begin Date: _____
 End Date: _____
 % Ownership: _____
 Position/Title: _____
 Phone Number: _____

PAPERWORK REDUCTION STATEMENT

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

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

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

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

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Ascent Consulting and Engineering, LLC

Authorized Signature: [Signature] Date: 4/5/2022

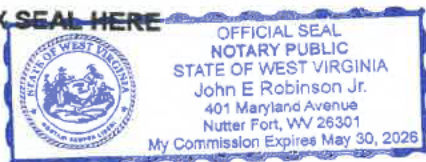
State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 5th day of April, 2022.

My Commission expires May 30, 2026

AFFIX SEAL HERE



NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 01/19/2018)

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.

Michael R. Nestor, Managing Member
(Name, Title)
Michael R. Nestor, Managing Member
(Printed Name and Title)
2361 Davisson Run Rd Suite 103
(Address)
Clarksburg, WV 26301
(Phone Number) / (Fax Number)
amanda@ascentconsultingengineers.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.

Ascent Consulting and Engineering, LLC

(Company)

Michael R. Nestor, Managing Member
(Authorized Signature) (Representative Name, Title)

Michael R. Nestor, Managing Member

(Printed Name and Title of Authorized Representative)

4/5/2022

(Date)

304-933-3463

(Phone Number) (Fax Number)