



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.

Header 4

General Information

Procurement Folder: 755110

Procurement Type: Central Purchase Order

Vendor ID: 000000161295

Legal Name: EADS GROUP INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 09/02/2020

Response Time: 14:25

Responded By User ID: JDcook

First Name: Joshua

Last Name: Cook

Email: jcook@eadsgroup.com

SO Doc Code: CEOI

SO Dept: 0313

SO Doc ID: DEP2100000001

Published Date: 8/14/20

Close Date: 9/3/20

Close Time: 13:30

Status: Closed

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

Total of Header Attachments: 4

Total of All Attachments: 4



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

**State of West Virginia
 Solicitation Response**

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

Solicitation Closes	Solicitation Response	Version
2020-09-03 13:30	SR 0313 ESR09022000000001466	1

VENDOR
 000000161295
 EADS GROUP INC

Solicitation Number: CEOI 0313 DEP2100000001
Total Bid: 0
Response Date: 2020-09-02
Response Time: 14:25:19
Comments:

FOR INFORMATION CONTACT THE BUYER

Guy Nisbet
 (304) 558-2596
 guy.l.nisbet@wv.gov

Vendor Signature X **FEIN#** **DATE**

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

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

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments: EADS Group

Extended Description:

*Dates of Service are estimated for bidding purposes only.

EXPRESSION OF INTEREST

**Professional Engineering and Architecture Services
For
WV DEP Sardis (Saas) Landslide Project**

**Prepared for:
Department of Administration, Purchasing Division
Charleston, West Virginia**

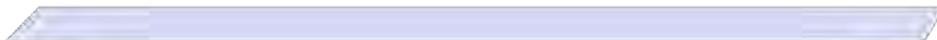
September 2020



ENGINEERING ARCHITECTURE AND DESIGN SERVICES



ENGINEERING ARCHITECTURE AND DESIGN SERVICES



250 Scott Avenue
Morgantown, WV 26508
(304) 212-5927

September 2, 2020

WV Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Attention: Guy Nisbet

**Re: EOI - Sardis (Saas) Landslide Project
Harrison County, WV**

The EADS Group (EADS) is pleased to submit our Expression of Interest for Engineering and related services as requested by the WV Department of Environmental Protection (DEP) for the Sardis (Saas) Landslide Project. With in-house capabilities, EADS can take your projects from “concept through construction.”

With 250 employees in nine (9) offices including Morgantown, WV and Somerset, PA, we have the resources to begin this project immediately and complete all work in a timely manner. Our personnel consist of: Registered Architects, Professional Engineers, Registered Landscape Architects, Registered Land Surveyors, Professional Geologists, Certified Planners, Environmental Specialists, Construction Inspectors and highly skilled technical staff.

Briefly, we would like to summarize a few key points for your consideration:

- We have performed professional services for various reclamation of abandoned mine lands and associated mine water and landslide stabilizing projects.
- Our staff is very knowledgeable and experienced in providing engineering reports, environmental clearance, project design, preparation of permits, construction plans, specifications, bidding, and construction administration services and construction inspection.
- As a subconsultant to our team, A&A Consultants, Inc. will provide geotechnical engineering and AMD mining services.
- Our Quality Control Program is ISO 9001 certified. We are one of only a few engineering / architecture firms to achieve this program registration.
- We have been in business for over 65 years and have an office location in Morgantown, WV to efficiently serve your needs.

EADS has the resources and expertise to provide the WV DEP with the cost-effective solutions it needs. Our Morgantown Office staff are ready to serve you. Upon your review of our qualifications, we would greatly appreciate the opportunity to meet with you along with other representatives from the DEP, at your convenience, to further discuss our qualifications and our proposed approach to serving you.

Sincerely,
The EADS Group, Inc.



By: David M. Yahner, P.E.
Principal-in-Charge

TABLE OF CONTENTS

- 1. History and Description of the Firm**
 - Overview
 - Capabilities
 - Quality Management System Certification
- 2. Management and Staffing Capabilities**
 - Key Personnel / Resumes
- 3. Past Related Project Experience**
 - Project Profiles
- 4. Project Goals and Objectives**
- 5. Attachment A**
- 6. Attachment B**
- 7. Addendum Acknowledgement Form**

FIRM OVERVIEW

Quality Service with Integrity

Board of Directors:

- ◆ Thomas M. Reilly, P.E.
President and CEO
- ◆ Craig L. Weaver, P.E.
- ◆ David M. Yahner, P.E.
- ◆ Janet L. Helsel, CPSM
- ◆ Gregory L. Elliott, RLA
- ◆ Stephen M. Sewalk, P.E.

The EADS Group is a Corporation Registered in:

- ◆ Pennsylvania
- ◆ Maryland
- ◆ New Jersey
- ◆ Ohio
- ◆ Texas
- ◆ Virginia
- ◆ West Virginia
- ◆ Alabama
- ◆ Arkansas
- ◆ Kentucky
- ◆ Louisiana
- ◆ Mississippi

Office Locations:

- ◆ Altoona, PA
- ◆ Beaver, PA
- ◆ Clarion, PA
- ◆ Cumberland, MD
- ◆ Johnstown, PA
- ◆ Lewistown, PA
- ◆ Morgantown, WV
- ◆ Pittsburgh, PA
- ◆ Somerset, PA

- ◆ Est. 1955
- ◆ Over \$29 Million in revenue in 2019
- ◆ ISO 9001 Certified
- ◆ Employee-owned and managed
- ◆ Over 250 employees

QUICK FACTS

MISSION

The Mission of The EADS Group is to provide our clients quality service with integrity, the success of which is measured by their level of satisfaction. By maintaining a climate of integrity, innovation, and constant improvement, we ensure our technical staff the opportunity for personal growth while creating a working partnership with our clients.

BACKGROUND

For over 65 years, The EADS Group has been satisfying the engineering, architectural, environmental, planning and related needs of federal, state and private clients.

Extensive knowledge and expertise is represented in over 250 professionals in the following office locations - Altoona, Beaver, Clarion, Johnstown, Lewistown, Pittsburgh and Somerset, PA; Cumberland, MD and Morgantown, WV. Our professional team is made up of: Professional Engineers, Certified Planners; Registered Landscape Architects, Registered Land Surveyors, Professional Geologists, Registered Architects, Environmental Specialists, Construction Inspectors, Photogrammetrists, and highly skilled technical personnel. We offer the resources of many talented individuals with literally hundreds of successful projects to their credit.

PEOPLE

The key to our organization is people. The loyalty, dedication and longevity of our staff ensure that The EADS Group can provide continuity and professionalism to all assignments. Our personnel are educated, trained and experienced in their chosen disciplines, specifically to provide quality service to our clients. They are flexible. Each project, large or small, becomes the responsibility of a project manager and a specially selected team.

COMMITMENT

To you, our customer. To our community. To ourselves. To quality. We are committed. As an employee-owned company, each member of the EADS Team is invested and dedicated to providing only the highest quality of work. Exemplifying our commitment to quality is our ISO 9001 certification. Our process-based quality management system puts customer satisfaction in the foreground of all our daily operations and ensures the successful completion of your project.



FIRM CAPABILITIES

WATER & WASTEWATER

The EADS Group has earned an excellent reputation for providing quality sanitary engineering services. Service to clients began in the late 1940's through the founder of one of our companies, providing the firm with decades of experience in this discipline. We received design approval for the construction of the first aerated facultative lagoon treatment facility in the Commonwealth of Pennsylvania, and were responsible for the initiation of slow sand filtration for safer drinking water within the Commonwealth. Staff is knowledgeable of local, state and federal regulations and investigates solutions tailored to the financial as well as technological needs of each client.



MINING & GEOTECHNICAL

Since the founding of one of our companies in 1940, we have completed numerous mining and geotechnical engineering projects. Our experience includes all aspects of mining and geotechnical engineering including mine layout and design, operations, permitting, mine transportation systems, reclamation, mine drainage treatment, geotechnical analysis (including foundation and slope stability analysis), soils engineering, water analysis, etc. Clients are in both the private and public sector reaching from Louisiana to Arkansas and north to Wisconsin and New Brunswick, Canada.



SITE DEVELOPMENT

The EADS Group provides total capabilities in the transformation of undeveloped property into functional commercial, industrial and institutional facilities. From the acquisition of the property through construction management, we offer total in-house capabilities. The disciplines available to you include surveyors, right-of-way specialists, environmental scientists, civil engineers, landscape architects, geologists, hydrogeologists, photogrammetrists, water/wastewater engineers, structural engineers and construction specialists.



ENVIRONMENTAL

Our staff has extensive experience with waterways permitting, environmental risk assessments, site investigations, wetlands delineation and mitigation, and all related permitting. The scope of services covers terrestrial and aquatic ecology, water resources, vegetation and wetlands, soils and geology, air quality, noise, hazardous wastes, and socio-economics/land use. Projects have been successfully completed for private and public sectors: 17 Street Logan Partnership, L.P., Westvaco, Appleton Papers, Crown American Corp., National Park Service, U.S. Fish and Wildlife Service, Environmental Protection Agency, Pennsylvania Departments of Environmental Protection (DEP) and Transportation (PennDOT), and U.S. Navy and U.S. Army Corps of Engineers.



SURVEYING

The EADS Group has been providing professional surveying and mapping services to government, business and industry for more than sixty years. Surveying services are incorporated as an integral part of each of the in-house disciplines offered. Whether strictly related to surveying, or as a support function, our survey crews are capable of providing timely and accurate data necessary for the successful completion of any project. Our crews are familiar with the most recent regulations and standards, and utilize state-of-the-art equipment and software programs to complete each assignment. We also offer Drone UAV Services.



Firm Capabilities

Page 2

MAPPING

Staff has the ability to produce Geographic Information System (GIS), enhanced digital orthophotography and photogrammetric mapping at any scale chosen by our clients. Normal mapping scales provided range from a design scale of 1" = 30' to a scale of 1" = 500', for planning documents. Mapping is provided in GIS ArcInfo, AutoCAD and Microstation formats. Maps can be provided in a layered digitized format, including contours as layers. EADS has the ability to produce maps using GPS control surveys and analytical aerotriangulation. EADS is also able to provide both high quality photography and accurate mapping with ground control with the use of Drone UAV Services.

CONSTRUCTION MANAGEMENT

Construction management is completed in support of in-house design services and for projects designed by other professionals. A mix of experience and training provides clients with the knowledge of the latest construction technology and sensitivity to the environment during the construction process. Materials testing capabilities are also available in-house.

TRANSPORTATION

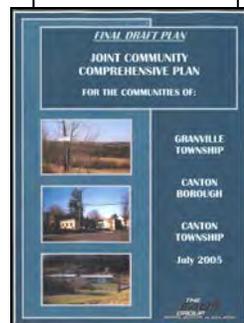
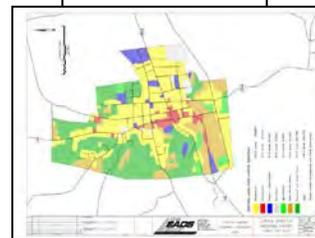
The EADS Group has been responsible for the design of over \$1 billion worth of roadways, highways and bridge construction projects. Our designers have been trained extensively in the use of both Softdesk and Microstation survey, mapping and highway design computer software. This permits the generation of alignments, profiles and cross sections from the initial input of the raw survey data. Today, we provide highway, bridge, and airport planning design and construction services to State Transportation Departments, the U.S. Army Corps of Engineers, Counties, Municipalities, Authorities, and Private Developers. Our engineers and technicians also inspect 300+ bridges on a continual two-year cycle. Our company led a multi-discipline team of Engineers, Geologists and Environmental Specialists to successful completion of one of the largest transportation improvement projects in PA -The Lewistown Narrows. This project has received various awards including: FHWA-Award of Excellence, ACEC/PA-Grand Conceptor Diamond Award, ACEC-Engineering Excellence Honor Award, AASHTO-America's Transportation Award Large Project-on Time, and FHWA/PA-Transportation & Historic Preservation Excellence Award.

ARCHITECTURE

The EADS Group entered the architectural design market in 1980. Our architectural team specializes in the renovation, restoration and expansion of existing facilities, as well as the design of new structures. Projects completed range from small structures for private developers, to high-tech, top security facilities for the federal government. Historic restoration projects have also been completed in strict compliance with the National Register of Historic Places.

PLANNING

The EADS Group provides planning services to local governments, public agencies and the development community. Planning services draw upon the mapping, transportation, and environmental capacities of the company, uniquely blending them in a unified approach to assist local officials and the business community in understanding and improving their respective environments. Planning services are coordinated and provided by professionals having a multi-disciplinary background and approach, with extensive experience in comprehensive and strategic planning, land use planning and development planning, in the public and private sectors.



QUALITY MANAGEMENT SYSTEM CERTIFICATION

In 2004, EADS demonstrated effective implementation of a quality management system and received ISO 9001 certification. This certification provides evidence to customers, suppliers, employees, and their community of EADS' commitment to producing a quality product (service) and providing customer satisfaction. ISO 9001 is process-based; certification recognizes organizations that can link business objectives with operating effectiveness. Companies that achieve Quality Management System certification to ISO 9001 have demonstrated effective implementation of documentation and records management, top management's commitment to their customers, establishment of clear policy, good planning and implementation, good resource management, efficient process control, measurement and analysis.

CERTIFICATE OF REGISTRATION



Having been audited in accordance with requirements of

ISO 9001:2015 – ANSI/ISO/ASQ Q9001-2015

SRI Quality System Registrar, 300 Northpointe Circle, Seven Fields, Pennsylvania, 16046, USA, hereby grants to:

The EADS Group, Inc.

Registration of the management system at its locations:

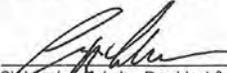
- 1126 Eighth Avenue, Altoona, Pennsylvania, 16602, USA
- 450 Aberdeen Drive, Somerset, Pennsylvania, 15501, USA
- 11045 Parker Drive, North Huntingdon, Pennsylvania, 15642, USA
- 15392 Route 322, Clarion, Pennsylvania, 16214, USA
- 50 N. Mechanic St., Cumberland, Maryland, 21502, USA
- 227 Franklin Street, Suite 300, Johnstown, Pennsylvania, 15901, USA
- 147 East Market St., Lewistown, Pennsylvania, 17044, USA
- 337 Third St., Ste. 1, Beaver, Pennsylvania, 15009, USA
- 250 Scott Ave., Unit #03, Morgantown, West Virginia, 26508, USA

The conditions for maintaining this certificate of registration are set forth in the SRI registration agreements R20.3 and R20.4. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.

Scopes of ISO 9001:2015 registration: "Engineering, architecture, and environmental consulting services" at Altoona, Somerset, North Huntingdon, Clarion, Cumberland, Johnstown, Lewistown, Beaver and Morgantown.

Initial SRI Registration dates: November 5, 2004 at Altoona, Somerset, North Huntingdon, Clarion, and Cumberland
November 4, 2007 at Johnstown
November 2, 2013 at Lewistown
November 2, 2019 at Beaver and Morgantown

Current registration period: November 2, 2019 through November 1, 2022

Signed for SRI: 
Christopher H. Lake, President & COO

Release Date: November 2, 2019
Certificate Number: 020045
Registration Number: 2491-00



MANAGEMENT AND STAFFING CAPABILITIES

ENGINEERING AND ARCHITECTURE SERVICES

WV DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)

David M. Yahner, P.E.
Principal-In-Charge

Benjamin W. Faas, P.E.
Project Manager / Engineer

Joshua D. Cook, P.E.
*Assistant Project Manager /
Point of Contact*

ENVIRONMENTAL AND PERMITTING SERVICES

Philip J. Will
Environmental and Permitting

AMD SERVICES

Richard G. Tote, P.L.S.
QA/QC / AMD Services

GEOTECHNICAL ENGINEERING / AMD SERVICES

A&A CONSULTANTS, INC.

CONSTRUCTION MANAGEMENT INSPECTION SERVICES

Nicholas D. Smith, P.E.
*Construction Management / Inspection
Manager*

DAVID M. YAHNER, P.E.

Principal-in-Charge

Joined The EADS Group
May 1992

Years With Other Firms
0

Education
B.S.
Civil Engineering Technology
University of Pittsburgh at
Johnstown
1992

Registrations
P.E. / PA / 1999
[REDACTED]
Exp. - 09/30/2021

P.E. / MD / 2002
[REDACTED]
Exp. - 06/20/2022

P.E. / WV / 2008
[REDACTED]
Exp. - 12/31/2020

P.E. / VA / 2017
[REDACTED]
Exp. - 08/31/2021

P.E. / NJ / 2017
[REDACTED]
Exp. - 04/30/2022

Certifications
PA DEP Certified
Sewage Treatment Plant
Operator / [REDACTED]

PA DEP Certified
Water Treatment Plant
Operator / [REDACTED]

Memberships
American Society of Civil
Engineers (ASCE)

Water Environmental
Federation (WEF)

GENERAL QUALIFICATIONS

Mr. Yahner is a dedicated leader who provides professional guidance and support to office and company personnel, clients, subconsultants, government agencies, and various organizations. He began his career in 1992 with The EADS Group, Inc. (EADS), first serving as an Engineer in the Municipal / Sanitary Department; then from 2004 through 2007 as the Assistant Department Head of the Municipal / Sanitary Department in the Somerset Office. From 2007 through 2015 he served as Office Manager of the EADS Corporate Headquarters in Altoona, PA which is comprised of a Transportation Department; Municipal / Sanitary Department; Environmental Department; Survey / Mapping Department; Site Development Department; and Planning Department. Mr. Yahner had oversight responsibilities to each of the individual Managers of the aforementioned Departments. Also during this period of time, Mr. Yahner served as Manager and Principal-in-Charge of the EADS Lewistown Office.

Since 2016, Mr. Yahner has been serving as Office Manager and Principal-in-Charge of the Somerset Office of EADS with oversight responsibilities to the Managers of the Structures / Highways Department; Surveying Department; Municipal / Sanitary Department; and Architectural / Site Development Department.

Mr. Yahner was named an Associate of the firm in 2009 and Principal in 2013.

Additionally he is:

- Registered Professional Engineer in PA, MD, VA, WV and NJ
- Member of the American Society of Civil Engineers (ASCE)
- Senior Wastewater Treatment Design Engineer
- Certified Water / Wastewater Treatment Plant Operator
- Member of The EADS Group, Inc. Board of Directors
- Principal-in-Charge of the Somerset, North Huntingdon, Beaver and Morgantown, WV Offices of The EADS Group

EXPERIENCE

Mr. Yahner's work experience includes projects for State, County and local agencies as well as private developers. He has had involvement from "conception" through "construction" on numerous projects including, but not limited to:

WASTEWATER

- Highland Sewer and Water Authority, Richland, PA (*Senior Engineer*). Quality Control of 2016 Water and Sewer Improvement Projects.
- Hollidaysburg Borough - Industrial Pretreatment, Blair County, PA (*Project Manager*). Local limits re-evaluation and consultation regarding industrial user compliance.
- Windber Area Authority - Ingleside STP Replacement, Somerset County, PA (*Project Manager*). Design and project management for a new 4.0 MGD capacity SBR sewage treatment plant, including aerobic digesters, ultra-violet disinfection, sludge dewatering and lagoon sludge removal.
- Hollidaysburg Sewer Authority - Wastewater Treatment Plant Upgrade, Blair County, PA (*Senior Engineer*). Design of grit removal facilities and aerobic digesters.
- Cresson Borough Municipal Authority - Wastewater Treatment Plant Improvements, Cambria County, PA (*Project Manager*). Managed permitting, financing and construction administration of a 1.5 MGD wastewater treatment plant upgrade project.

- Williamsburg Municipal Authority - Wastewater Treatment Plant Upgrade, Blair County, PA (*Senior Engineer*). Completed a second opinion review of a 1.0 MGD wastewater treatment plant improvement project designed by others as required for PennVEST financing.
- Freedom Township Water and Sewer Authority - Sewage Treatment Plant Expansion, Blair County, PA (*Senior Engineer*). Completed a second opinion review of a 0.970 MGD wastewater treatment plant improvement project designed by others as required by PennVEST financing.
- Bedford Borough Municipal Authority - Wastewater Treatment Plant Improvements, Bedford County, PA (*Senior Engineer*). Completed a second opinion review of a 1.5 MGD wastewater treatment plant improvement project designed by others as required by PennVEST financing.
- Windber Area Authority - Upper Interceptor Sewer Replacement, Somerset County, PA (*Project Manager*). Design and project management for replacement of one (1) mile of 24" interceptor sewer.
- Windber Area Authority - Lower Interceptor Sewer Replacement, Somerset County, PA (*Project Manager*). Design and project management for replacement of 3 miles of 36" diameter interceptor sewer.
- Shade-Central City Joint Authority - Sewage Treatment Plant Upgrade, Somerset County, PA (*Project Engineer*). Design assistance and construction administration for lagoon upgrades, sewage equalization tank, pump station improvements, sewer cleaning and televising.
- City of Lock Haven - Sewage Equalization Tank, Clinton County, PA (*Project Manager / Engineer*). Design and project management of 1.5 million gallon equalization tank.
- Somerset Borough - Ankney Avenue Sewers, Somerset County, PA (*Project Manager*). Sanitary sewerline rehabilitation design and project management including sliplining of existing sewers.

WATER

- Garrett County - County Airport Sewer / Water Extensions, Garrett County, MD (*Senior Engineer*). Design and project management including booster pump station and 10,000 L.F. utility extensions.
- Central City Water Authority - Filter Rehabilitation, Somerset County, PA (*Project Engineer*). Prepared contract specifications to paint and rehabilitate gravity filters.
- Hyndman Borough - Sand Cleaning Facility, Bedford County, PA (*Project Engineer*). Designed a system to clean and recycle slow sand filter media.
- Howard Borough - Water System Improvements, Centre County, PA (*Project Manager*). Pump station, water storage tank and distribution system design and project management.
- Somerset Borough - SCI Laurel Highlands, Somerset County, PA (*Project Manager*). Water meter design and project management.
- Patton Borough - Beech Avenue Waterline Replacement, Cambria County, PA (*Project Manager*). Design and project management.

OTHER

- Raystown Lake Resort - Facility Evaluation, Huntingdon County, PA (*Senior Engineer*). Conducted analysis of sewer and water facilities to identify deficiencies and make recommendations for improvements.
- Seward Borough - Community Center Evaluation, Westmoreland County, PA (*Senior Engineer*). Completed evaluation and report on damages to facility for insurance purposes.
- Shade Township - Statler Street Storm Sewers, Somerset County, PA (*Project Manager*). Stormwater design and project management.
- OWN Energy - Patton Wind Farm, Cambria County, PA (*Senior Engineer*). Quality Control and design assistance on a 15 turbine wind development project.

BENJAMIN W. FAAS, P.E.

Project Manager / Senior Engineer

Joined The EADS Group
February 1999

Years With Other Firms
2

Education

B.S.
Civil Engineering Technology
University of Pittsburgh at
Johnstown
1997

Registrations

P.E. / PA / 2004 / [REDACTED]
Exp. - 09/30/2021
P.E. / DC / 2008 / [REDACTED]
P.E. / MD / 2011 / [REDACTED]
Exp. - 10/13/21
P.E. / WV / 2011 / [REDACTED]
Exp. - 12/31/20
P.E. / NY / 2012 / [REDACTED]
Exp. - 08/31/23
P.E. / VA / 2012 / [REDACTED]
Exp. - 06/30/22
P.E. / NJ / 2018 / [REDACTED]
Exp. - 04/30/22

Certifications

PA DEP / Water Systems
Operator / [REDACTED]
Exp. - 3/31/2022
PA DEP / Wastewater Systems
Operator / [REDACTED]
Exp. - 3/31/2022

GENERAL QUALIFICATIONS

Mr. Faas joined The EADS Group as a member of the Structural / Highway Department. Since transferring to the Municipal / Sanitary Department, he has performed engineering design and management on private, public, and industrial water and wastewater treatment and distribution systems; municipal, commercial and industrial site developments; and stormwater collection and management projects. Mr. Faas has also served as Office Manager of our Pittsburgh Office and currently serves as the Municipal-Sanitary Department Manager in the Somerset Office.

EXPERIENCE

In the Municipal / Sanitary Department, Mr. Faas is assisting several municipalities with general municipal water and wastewater operation and permitting issues. Projects include PennDOT utility relocations, small flow treatment plant modifications and computer modeling of water system performance, sewer and water system improvement projects, storm sewer improvements, and street rehabilitation and construction.

STORMWATER / HYDRAULIC MODELING

- Municipal Storm Sewer design, permitting and construction administration
- Municipal Separate Storm Sewers System (MS4) permitting, annual reports and implementation
- NPDES Permits for discharge of stormwater associated with construction, and post construction Stormwater Management Plans
- River analysis using HEC-1, HEC-2 and HEC-RAS
- FEMA Letter of Map Revision (LOMR)
- Emergency Action Plans
- Site grading and stormwater design for multiple cap and cover environmental remediation superfund sites.

SANITARY SEWER

- Highland Sewer and Water Authority - Annual Sanitary Sewer Rehabilitation, Cambria County, PA (*Project Manager*). Design, bidding, and construction administration
- Johnstown Redevelopment Authority - Clarifier Improvement Project, Cambria County, PA (*Project Engineer*). Design, bidding, and construction administration
- Highland Sewer and Water Authority - Ohio Street Equalization Tank, Cambria County, PA (*Project Engineer*). Construction Administration
- ALCOSAN - North Shore Connector Project, Pittsburgh, Allegheny County, PA (*Project Engineer*). Construction Management / Inspection Services
- Windber Area Authority - Sewer System Improvements, Somerset County, PA (*Project Engineer*). Lower Interceptor and Ingleside STP Replacement - Assisted in the design and permitting
- Ligonier Borough - Bunker Street Relief Sewer, Westmoreland County, PA (*Project Manager*). Design, permitting and construction administration
- Markeysburg Borough - Sanitary Sewer System, Fayette County, PA (*Project Manager*). Construction Administration
- Conemaugh Township - Tire Hill Sanitary Sewer System, Somerset County, PA (*Project Manager*). Construction Administration
- Conemaugh Township - Benscreek Sanitary Sewers, Somerset County, PA (*Project Manager*). Design and Permitting
- Various Private Clients - (*Project Engineer*). Design and permitting of various types of industrial wastewater treatment systems

WATER

- Highland Sewer and Water Authority - Water Treatment Plant Filter Rehab, Cambria County, PA (*Project Manager*). Design, bidding, and construction administration
- Highland Sewer and Water Authority - Waterline Tank Rehab, Cambria County, PA (*Project Manager*). Design, bidding, and construction administration
- Highland Sewer and Water Authority - Beaverdam Intake Tower Rehab, Cambria County, PA (*Project Manager*). Design, bidding, and construction administration
- Conemaugh Township Municipal Authority - Telemetry Project, Somerset County, PA (*Project Manager*). Design, bidding, and construction administration
- Highland Sewer and Water Authority - Master Meter Replacements, Cambria County, PA (*Project Manager*). Design, bidding, and construction administration
- Highland Sewer and Water Authority - Telemetry System Replacement - Design Build, Cambria County, PA (*Project Engineer*). Scoped and prepared bid documents to add telemetry to 28 water system sites
- Ligonier Township Municipal Authority - Water System Expansion, Westmoreland County, PA. (*Project Manager*). Project development, preliminary design and permitting for a proposed 30,000 LF system expansion
- Ligonier Township Municipal Authority - Ligonier Reservoir Dredging and Intake Tower, Westmoreland County, PA. (*Project Manager*). Permitting, design, bidding and construction management
- Conemaugh Township Municipal Authority - Soap Hollow Waterline Extension, Somerset County, PA (*Project Manager*). Project development and preliminary design
- Ligonier Municipal Authority - Water System Improvements, Westmoreland County, PA (*Project Manager*). Design, permitting and construction administration for a 500,000 gallon storage tank, water treatment plant improvements and several waterline construction projects
- Whitney Ridge Dam Improvements, Westmoreland County, PA (*Project Manager*). Construction Management associated with enhancement regrading, stabilization and spillway reconstruction; design, permitting, inspection and reports
- Construction feasibility and alternative studies, and operation studies for several municipal water systems and treatment plants
- Performed annual dam inspections and prepared inspection reports
- Highland Sewer and Water Authority - Waterline Replacements (*Project Manager*). Design, bidding, and construction administration

SITE DEVELOPMENT

- Fresh Thyme - Various sites, Pittsburgh, PA (*Project Manager*). Design and permitting
- Texas Roadhouse - Great Southern, Allegheny County, PA (*Project Manager*). Site utilities improvements, design, permitting and construction management
- Rices Landing Borough - Sidewalk Replacement, Somerset County, PA (*Project Manager*). Design and Permitting
- Central City Borough - Broad Avenue Paving, Somerset County, PA (*Project Manager*). Design, permitting construction and funding administration associated with the improvement of Broad Avenue and adjoining street from an unimproved condition to a fully paved and curbed roadway, complete with stormwater conveyance and management facilities
- LA Fitness - (3 sites), Pittsburgh, PA (*Project Manager*). Feasibility study, design, permitting, and construction management
- Somerset County Economic Development Council - North Star Industrial Development, Somerset County, PA (*Project Engineer*). Design and Permitting
- Summers Best Two Weeks - Quemahoning Camp Project, Somerset County, PA (*Project Manager*). Design and Permitting
- Conemaugh Township Supervisors - Stonycreek River Whitewater Park, Somerset County, PA (*Project Manager*). Design, Permitting and Construction Management
- Feasibility studies, design, permitting and construction management of various residential housing subdivision, industrial parks, commercial developments, recreational and governmental facilities
- Municipal development and stormwater management reviews
- Various municipal road rehabilitation design and construction

JOSHUA D. COOK, P.E., P.M.P.

Assistant Project Manager/Project Engineer

Joined The EADS Group

July 2019

Years With Other Firms

7

Education

M.S.
Engineering with
Environmental Emphasis
Marshall University
2014

B.S.
Civil Engineering
WVU Institute of Technology
2012

Registrations

P.E. / WV / 2017 /
Exp. - 12/31/2020

P.E. / OH / 2019 /
Exp. - 12/31/2021

Certifications

2018 / Project Management
Professional (PMP) /
Exp. - 3/21/2021

GENERAL QUALIFICATIONS

As a Professional Engineer and Project Manager, Mr. Cook is experienced in estimation, design, construction, and remediation of a wide range of projects involving civil, mechanical, and environmental engineering.

EXPERIENCE

Prior to joining EADS, Mr. Cook's experience included, but was not limited to:

Engineer for a major Energy company:

- Project Work
 - FERC7c
 - Compressor Station Expansions
 - M&R Facility Installation
 - Pipeline Design and Estimate
 - Infrastructure and Maintenance
 - MAOP Remediation
 - Mainline Valve Installation
 - Measurement Upgrades
 - Full station reconstruction
 - Upgrades to existing facilities
 - Station access bridge upgrade
- Emerging Leaders Program

Surface Project Engineer:

- Left Fork Bioreactor Project
 - Designed and managed bioreactor to meet NPDES requirements for selenium
- Spruce Laurel and Bend Branch Environmental Design
 - Developed system to treat sulfur reducing bacteria from mine discharge
- Gut Fork Dewatering
 - Designed and installed vertical turbine pump and 5000 ft. of 12" discharge piping to dewater mine area ahead of projections
- Maintained environmental compliance:
 - Performed environmental audits
 - Developed SPCC and GPP for Facility
 - Oversaw contractors during environmental work

RICHARD G. TOTE, P.L.S.

Environmental / Survey Manager

Joined The EADS Group
July 1977

Years With Other Firms
1

Education
Assoc.
Engineering Surveying
Technology
Pennsylvania State University
1977

Registrations
P.L.S. / PA / 1984
Exp. - 09/30/2021
P.L.S. / OH / 2015
Exp. - 12/31/21

Certifications
Mine Safety & Health
Administration, Certification in
Respirable Dust & Noise

National Institute for the
Certification of Engineering
Technicians

PA DEP Regulatory Training
(Expedited ESCGP-1) for the
Oil and Gas Industry

GENERAL QUALIFICATIONS

As the Manager of the Environmental and Survey Departments in the Clarion office, Mr. Tote's expertise is in surveying, engineering studies, design and permitting. He has extensive experience in the natural gas and surface mining industries for limestone, coal, sandstone, and sand and gravel operations. As a Professional Land Surveyor, Mr. Tote also has extensive field and office experience in boundary surveys, site development, gas well permitting and construction stakeout, which includes site, highway and bridges.

EXPERIENCE

Mr. Tote's experience in engineering studies, permitting, and surveying is extensive. He has served as Project Manager for the permitting and regulatory compliance for over 200 mines and quarries for over 50 mining companies during his tenure with The EADS Group. In addition to project management, he has "hands on" experience in mineral exploration including reserve and evaluation reports, mine planning and design, environmental impact analysis, mine reclamation, stormwater management, erosion and sedimentation control, and all levels of permitting and regulatory compliance.

Mr. Tote has worked extensively with the Pennsylvania Department of Environmental Protection as a liaison for various clients dealing with a complete range of permitting and compliance issues. Some examples of his project experience includes:

- Project Manager for the Elliot Mine sand and gravel operation for Glacial Sand & Gravel, Inc. located in Plain Grove, Scott, and Worth Townships, Lawrence and Butler Counties, PA. Mine planning, design, and permitting work included environmental impact analysis and protection of 25 acres of wetlands, private water supplies, and over one mile of Slippery Rock Creek. The site design and reclamation included a permanent lake impoundment, and 15 acres of wetlands. The permitting process included coordination of archeological and Massasauga Rattlesnake studies, installation of monitoring wells, and permanent water table determination.
- Roaring Spring limestone quarry for New Enterprise Stone & Lime Co., Inc., located in Taylor Township, Blair County. A 426 acre operation to a depth of over 200 feet below the ground water table. Extensive mine and water handling plans designed to protect a 7 million gallon a day public water supply spring source as well as critical stream flows for adjacent Halter and Plum Creeks, tributaries to the Juniata River.
- Hydetown Quarry for Hasbrouck Sand & Gravel, Inc., a sand and gravel operation located in Hydetown Borough, Oil Creek Township, Crawford County. Design and permitting services included HEC-RAS analysis for flood plain encroachments, public re-zoning meetings, and water impoundment reclamation plans.
- Survey and design of Abandoned Mine Reclamation sites for the Department of Environmental Resources and independent contractors. Primarily consisted of topographic surveys, earthwork calculations and erosion and sedimentation control plans.
- All phases of topographic site plans and hydrographic surveys including underwater topographic mapping of the Clarion River for PA American Water Company.

OTHER EXPERIENCE

- Chief of Surveys for a fiber optics cable pipeline project for Williams TeleCommunications. The work extended through Springfield and Liberty Township, Mercer County and Parker Township, Butler County, Pennsylvania, and consisted of original survey retracement and condemnation surveys.
- Chief of Surveys on an original survey retracement and condemnations for the T-L 400 Extension 1 pipeline project for CNG, Clarksburg, WV. Mr. Tote coordinated all field survey crews, technicians, and drafting personnel on the section of pipeline through Clearfield Township, Butler County and West Franklin and East Franklin Townships, Armstrong County, Pennsylvania.
- Permitting and locations of oil and gas wells, transmission line surveys, and preparation of associated erosion and sedimentation control plans including coordination of surveys and drafting for Big Sandy Gas Corporation, Meadville, PA, on a 3-mile pipeline project in East Fairfield Township, Crawford County, Pennsylvania.
- Property boundary surveys including courthouse research, field surveys, note reduction, calculation, and court proceedings including the design of a 50 lot residential subdivision for Brookville Homes LTD, Brookville, PA including roads and storm sewers.
- Working as a subcontractor to W.P. Dickerson and Mashuda Corp., he conducted alignment surveys and continuous construction stakeout for four highway bridges along the East Street Expressway, new construction project, Route 279 in Pittsburgh. Project included two triple span divided highway structures on compound spiral curves, and two single span structures, one on a simple curve and one on tangent. Responsibilities included field stakeout and supervising stakeout work, and all office calculations, stakeout plans and certifications.
- YMCA site development project for a new 7 acre facility located in Monroe and Clarion Townships, Clarion County. Designs include site grading, parking and driveway entrances, soccer field, walking trail, utility service and stormwater management facilities. Permitting included NPDES and Erosion and Sedimentation Control Plans through DEP, Clarion County Conservation District, and Planning through Clarion County Planning Commission.
- Baseball, Softball, and Soccer Field complex for Clarion Limestone Area High School located in Clarion Township, Clarion County. Design work including site, grading plans, and ball field layouts including fencing, dugouts, and utility service. Permitting included NPDES and Erosion and Sedimentation Control Plans through DEP, Clarion County Conservation District, and Planning through Clarion County Planning Commission.
- Project Manager for a Coal Refuse Pile Sampling and Analysis Study (PennDOT District 9-0) on S.R. 0522, Section 001 in Mount Union, Huntingdon County, PA. The project involved analysis and design considerations for construction of the roadway across coal mine refuse. The study included determination of suitability of the refuse as subgrade backfill and development of provisions under which the material could be utilized. The study also included an economic feasibility analysis regarding the removal and disposal of the refuse material addressing environmental concerns, disposal option, and cost estimates for each of five alternatives.
- Professional Land Surveyor and Project Manager for Marcellus gas well development in Pleasant Valley Township, Potter County for Pennsylvania General Energy Company, LLC. Services included location and topographic surveys, large pad design, road alignments, Environmental Site Assessments, Storm Water and Erosion & Sedimentation Control design through 3 separate ESCGP - 1 Permits.
- Professional Land Surveyor and Project Manager for natural gas and oil development for a 60 well program in Wetmore Township, McKean County for Penn Hills Resources. Services included: environmental site assessments, gas/oil well surveys, road alignment surveys, storm water and E & S Plans and permitting through an ESCGP-2 review and approval.

NICHOLAS D. SMITH, P.E.

Construction Inspection Services Manager

GENERAL QUALIFICATIONS

Mr. Smith is the Construction Inspection Services Manager at The EADS Group. Prior to holding this position he was an engineer in the site development department. His current responsibilities include the overall management and supervision of the construction inspection department including oversight of day-to-day operations of the inspection staff. Additional duties include oversight of the preparation of Statements of Interest, ECMS Technical and Price Proposals, preparation and approval of inspector's resumes along with invoicing and tracking of budgets. Duties also include the development of personnel and project assignments. His previous experience and responsibilities included but were not limited to: Land Development Design, Site Grading, Site Drainage, Site Utility Layout and Design, Erosion and Sedimentation Control, Stormwater Management and Construction Project Inspection. Mr. Smith also has experience in obtaining Pennsylvania Department of Environmental Protection NPDES Permits and Pennsylvania Department of Transportation Highway Occupancy Permits.

EXPERIENCE

Mr. Smith's experience includes, but is not limited to:

New Enterprise Stone and Lime / PennDOT District 10-0 - I-80 WB Reconstruction SR 0080, Section 540, Jefferson County, PA (*Design Engineer*). This design/build project consisted of 7.8 miles of highway reconstruction which included the complete removal and replacement of the I-80 westbound lanes and shoulders and pavement patching and overlay of the I-80 eastbound lanes. Primary responsibilities on the project involved stormwater management calculations and design (SWM controls consisted of 46 infiltration trenches in 42 separate study areas), and obtaining NPDES and E&S approval.

CVS - New CVS Pharmacy Store Number: 07611, Allegheny County, PA (*Design Engineer*). Project consisted of the design of a new CVS Pharmacy on a parcel of property located in Hampton Township. The 2.35 acre site was developed to house the retail building, paved parking areas and drive aisles, with the remaining site serving to fulfill the regulatory ordinances from the state and local municipalities. Primary responsibilities on the project involved site layout and design, stormwater management calculations and design (SWM controls consisted of underground storm chambers and an infiltration bed), and obtaining NPDES, E&S and Local Land Development approvals.

Altoona Regional Health System - New Linear Accelerator for Altoona Regional Health System, Blair County, PA (*Design Engineer*). Project consisted of the construction of a building addition to house the Linear Accelerator for Altoona Regional Health System, as well as reconfiguring the existing parking lot adjacent to the building addition. The project was located on the existing Altoona Hospital Campus in the City of Altoona. Primary responsibilities involved site layout and design, storm drainage conveyance calculations and design, and obtaining E&S and Local Land Development approvals.

Grace Bible Church - Additions and Alterations to the Grace Bible Church, Blair County, PA (*Design Engineer*). Project consisted of the construction of a building addition to the existing Grace Bible Church, as well as the reconfiguring and expanding the existing parking lot adjacent to the building addition. The project was located on the existing church property located in Frankstown Township. Primary responsibilities involved site layout and design, stormwater management calculations and design (SWM controls consisted of underground stormwater management), and obtaining E&S and Local Land Development approvals.

Joined The EADS Group

May 2006

Years With Other Firms

2

Education

B.S.
Civil Engineering Technology
University of Pittsburgh,
Johnstown
2005

Registrations

2013 / PA / P.E.

Exp. - 9/30/21

Certifications

2013 / PA DEP Regulatory
Training (Expedited ESCGP-2)
for the Oil and Gas Industry

2010 / CDS NeXtGen

2010 / ACI Concrete Field
Testing Technician - Grade I /

2010 / PennDOT Certified
Concrete Field Technician /

Exp. - 3/25/20

Construction Winter School

Memberships

American Society of Civil
Engineers (ASCE)

Stantec - Baker Hughes LDP, Lamar Township Business Park, Clinton County, PA (*Project Designer*). Project involved the construction of a \$30 million dollar facility on 36.86 acres in the Lamar Township Business Park. The facility contains seven buildings with over 98,000 SF of floor space. Primary responsibilities included site layout and design, grading, drainage, stormwater management, and obtaining NPDES and E&S Control approval.

Gemma - Patton Wind Project, Cambria County, PA (*Project Designer*). Primary responsibilities included grading, drainage stormwater management and obtaining NPDES and E&S Control approval.

Adams Township, Sixth Street Sidewalk Replacement Project, Cambria County, PA (*Inspector-in-Charge*). Project involved the removal and replacement of an existing sidewalk system and roadway along Sixth Street. Primary responsibilities included the inspection and oversight of the construction of a concrete sidewalk system, ADA curb ramp, and bituminous roadway. Also was responsible for project records, pay requests and utility coordination.

AMTRAN, Trolleyworks Business Park, Blair County, PA (*Design Engineer*). Project involved the renovation of the existing Gold's Gym building, associated site work and streetscape. Primary responsibilities included design and layout of curbing, sidewalk, parking, coordination of work between disciplines and assisting with obtaining approvals and permits.

Sheetz / CDM Ebensburg, New Sheetz Site, SR 0022, Cambria County, PA (*Design Engineer*). Project involved the construction of a new Sheetz Convenience Store and associated site work. Primary responsibilities involved site layout and design of entrances, parking, curbing, etc. Also aided in acquiring HOPs, NPDES Permit, and E&S approval, as well as county and township approvals.

CDM Ebensburg, Zeman Road Water and Sewer Extension to New Sheetz Site, Cambria County, PA (*Design Engineer*). Project involved the construction of a waterline and sewer line from the Ebensburg Industrial Park to the new Sheetz site and providing taps for future parcels along the alignment. Primary responsibilities involved the layout and design of sewer and waterlines; and obtaining approvals from DEP, E&S approval and a HOP.

Adams's Township, Sixth Street Sidewalk Replacement, Cambria County, PA (*Design Engineer*). Project involved the replacement of 630 L.F. of sidewalk and parking lane. Primary responsibilities involved layout and design of sidewalk and parking lane; and obtaining PennDOT approval and E&S approval.

Hayes Large Architects, SR 1005, New Indian Valley High School, Lewistown, Mifflin County, PA (*Design Engineer*). Project involved a new high school located in Lewistown for the Mifflin County School District. Primary responsibilities involved the layout of a storm drain network, assembling an Erosion and Sedimentation Control Plan and obtaining a Highway Occupancy Permit (HOP) for boring a storm drain under SR 1005.

Hayes Large Architects, Hollidaysburg High School Additions/Renovations, Hollidaysburg, Blair County, PA (*Design Engineer*). Project consisted of two large additions to the existing high school building along with site layout changes. Responsibilities were to modify and make additions to the existing storm drain network, water service and sanitary sewer systems on site. Also assisted in obtaining an E&S and NPDES Permit and General Permit-5 for a utility crossing in a wetland.

Hayes Large Architects, New Athletic Facilities, Central Mountain School District, Mill Hall, Clinton County, PA (*Design Engineer*). Project consisted of the layout and design of a large football field, locker room and softball field, as well as access drive changes and additions. Responsibilities were to modify and make additions to the existing storm drain network, water service and sanitary sewer systems on site. Also assisted in obtaining an E&S and NPDES Permit.

Hayes Large Architects, Land Development Services for the New Midland Avenue Office Building for the Pa Cyber Charter School, Beaver County, PA (*Design Engineer*). The overall project included constructing a new building in conjunction with associated site improvements. EADS services included: site demolition, site design, site drainage, Erosion and Sedimentation Control, Pennsylvania Department of Transportation Highway Occupancy Permit, and coordination with Hayes Large Architects.

Hayes Large Architects, Hickory Grove Elementary School, Brookville, Jefferson County, PA. (*Design Engineer*). Project consisted of alterations to the Hickory Grove Elementary School located along State Route 4003 in the Borough of Brookville. EADS services included the preparation of drawings and technical specifications suitable for use by competent contractors to construct the project. Also assisted with the preparation of site development-related permit/approval applications, stormwater management calculations and the design of bio-retention/infiltration facilities.

PHILIP J. WILL

Environmental / Permitting Specialist

Joined The EADS Group

November 1974

Years With Other Firms

0

Education

A.S.
Environmental Engineering
Triangle School of Drafting
1974

Certifications

NICET / [REDACTED]
Highway Construction
Inspection / Level 3
Exp. - 12/1/20

2015 / Erosion Control &
Stormwater
Management/NPDES /
Certificate of Training

GENERAL QUALIFICATIONS

As an Engineering Technician in the Sanitary Department, Mr. Will serves as the lead person in coordinating the design and drafting of most of the firm's wastewater, stormwater and water projects. His responsibilities include coordinating engineering efforts from the sketch phase to final design. He works closely with the project engineer to assure that all rights-of-way, permit acquisitions, utility information, survey data and permits have been addressed to compile detailed construction drawings.

EXPERIENCE

Mr. Will's experience includes all aspects of coordinating the layout and design of water treatment and wastewater treatment facilities. He specializes in the design of collection / treatment facilities associated with wastewater systems, water distribution lines and treatment facilities for water systems.

SANITARY SEWER

- Jenner Area Sewer Authority - Gray Sewer Extension, Somerset County, PA (*Designer*). Layout and design of 7,000' of pressure sewer line appurtenances
- Windber Area Authority - Grit Removal and Bar Rack, Cambria County, PA (*Designer*). Design and layout of grit removal system at the Authority's Ingleside Sewage Treatment Plant
- Highland Sewer and Water Authority - Sewer Line Replacement Project Geistown Borough/Richland Township, Cambria County, PA (*Designer*). Lay-out and design of approximately 11,000' of 8", 10", 12", 15", and 18" gravity sanitary sewer line
- Stonycreek Township - Lake Stonycreek Sanitary Sewers, Somerset County, PA (*Designer*). Lay-out and design of approximately 43,500' of gravity and pressure sewer line
- Ursina Borough - Sanitary Sewer Project, Somerset County, PA (*Designer*). Lay-out and design of 20,000' of gravity sewer and a 40,000 GPD extended aeration sewage treatment plant
- Paint Township - Pomroy and Rummel Sewers, Somerset County, PA (*Designer*). Lay-out and design of 37,000' of gravity and pressure sewerlines and a pump station connecting to an existing collection system
- Borough of Meyersdale - Sanitary Sewer Replacement, Somerset County, PA (*Designer*). Lay-out and design of 6,800' of gravity sewerline replacement
- Jenner Township - Laurel Mountain Village Sewer and Water, Somerset County, PA (*Designer*). Design and layout of 2 pump stations, 16,000' of gravity and force main sewers and a well building
- Highland Sewer and Water Authority - Ohio Street Relief Sewer and Equalization, Cambria County, PA (*Designer*). Design and layout of a relief sewer, two 2-Million gallon equalization tanks and control structures
- Garrett Borough - Sanitary Sewer Rehabilitation, Somerset County, PA (*Designer*). Design and lay-out of approximately 25,000' of gravity sewerline and a pump station
- Somerset Township Municipal Authority, Sewage Treatment Plant Expansion, Somerset County, PA (*Designer*). Design of an additional SBR Unit and Digester
- Duncansville Municipal Authority - Sewerline Replacement Project, Blair County, PA (*Designer*). Design of approximately 2,400' of 16" and 18" sewerline

- Forest Hills Municipal Authority - Sewage Treatment Plant Expansion, Cambria County, PA (*Designer*). Project involved the design of additional SBR units
- Windber Area Authority - Upper Interceptor Sewer (*Designer*). Design of approximately 12,000' of gravity sewerline
- Windber Area Authority - Lower Interceptor Sewer (*Designer*). Design of approximately 11,000' of 36" and 42" gravity sewerline
- Windber Area Authority - Ingleside Sewage Treatment Plant Replacement (*Designer*). Design and layout of a new 4 MGD Sequencing Batch Reactor Sewage Treatment Plant
- United Mobile Homes - Phase 2 Development and Sewage Treatment Plant Expansion (*Designer*). Project involved the layout of a 100-subdivision plan including all utilities. Responsibilities included the design of water, sewer and storm drainage lines, including all permits
- Somerset Township Municipal Authority - Lavansville Sewers and Sewage Treatment Plant (*Designer*). Design of approximately 23,000' of gravity and force main sanitary sewerlines, 2 pump stations and a 150,000 GPD Sequencing Batch Reactor Sewage Treatment Plant
- Shanksville Borough - Sewerlines and Sewage Treatment Plant (*Designer*). Design of a new sewer system consisting of approximately 15,000' of gravity, 2 pump stations, force main, and an extended aeration STP
- Borough of Meyersdale - Combined Sewer Overflow Elimination and Sewer Rehabilitation (*Designer*). Design of 22,000' of gravity sewerline and pipe bursting to eliminate combined sewers
- Markleysburg Borough - Sewerlines and Sewage Treatment Plant, Somerset County, PA (*Designer*). Design of approximately 26,000' of gravity and pressure sanitary sewerlines and a 75,000 GPD extended aeration treatment plant
- Elk Lick Township - Sanitary Sewers and Pump Stations, Somerset County, PA (*Designer*). Design of approximately 38,000' of gravity, force main and pressure sanitary sewerlines and 2 pump stations
- Garrett County, MD - Water and Sewer Line to Airport, Garrett County, MD (*Designer*). Design of 10,000' of waterline and pressure sewerline
- Somerset Township Municipal Authority, State Correctional Institution, Somerset County, PA (*Designer*). Design of an oxidation ditch system to replace an existing aerated lagoon system and upgrade to add 1 meter filter belt press
- Ligonier Borough - Sewage Treatment Plant, Westmoreland County, PA (*Designer*). Upgrade from an activated sludge plant to a sequestering batch reactor plant
- Flight 93 – Somerset County, PA (*Designer*). Coordinate extent of mapping and water system design
- Washington County, Maryland - Antietam Waste Water Treatment Plant Upgrades (*Designer*). Grit handling, pre-aeration tank and UV disinfection improvements
- Rices Landing Borough - Sewage Treatment Plant and Sewerline, Washington County, PA (*Designer*). Design of a new sewer system consisting of approximately 38,000' of gravity and force main sewer, 3 pump stations and an extended aeration treatment plant (2 MG capacity)
- City of Lock Haven - Equalization Tank, Clinton County, PA (*Designer*). Two million gallon equalization tank, pump station and piping

WATER

- Washington County Maryland - Sharpsburg Sedimentation Tank and Electrical Upgrades, Sharpsburg, MD (*Designer*). Design and layout of four flocculation tanks and two sedimentation tanks
- Windber Area Authority - Water Transmission Main Replacement, Windber Borough/Paint Township, Somerset County, PA (*Designer*). Lay-out and design of 8 miles of 18" waterline
- Windber Area Authority - Water Tank and Waterline Replacement, Somerset County, PA (*Designer*). Design of approximately 9,500' of 6" waterline and tank painting for 2 water tanks
- Highland Sewer and Water Authority, Belmont Street Waterline, Cambria County, PA (*Designer*). Design of approximately 5,500' of 8" waterline
- Ligonier Township Municipal Authority - Waterford Pump Station and Waterline Replacement, Westmoreland County, PA (*Designer*). Design of approximately 3,000' of 6" Waterline and a Booster Pump Station
- Conemaugh Township Municipal Authority - Walsall Waterline, Somerset and Cambria Counties, PA (*Designer*). Design of approximately 5,200' of 8" and 6" waterline
- Bedford County Board of Commissioners - Coaldale Water System Improvements, Bedford County, (*Designer*). Design of a water tank, greensand filter units and water treatment plant upgrades
- Municipal Authority of Westmoreland County - Ruffsdale 48" Diameter Waterline, Westmoreland County, PA (*Designer*). Design of approximately 6,000' of 48" waterline

GOVIER LANE EMBANKMENT STABILIZATION PROJECT

Somerset County, Pennsylvania

For this project, The EADS Group provided professional engineering services for the reconstruction of the Govier Lane embankment along an Unnamed Tributary to Bens Creek in Conemaugh Township, Somerset County, Pennsylvania.

High stream flows during Hurricane Sandy caused significant damage within the Township. During this event, the waterway severely eroded the steep streambank which was supporting Govier Lane. The project included repairs to the embankment using disaster relief funding provided by FEMA. Budgetary and site restrictions were considered and it was determined a poured concrete footings tied into the bedrock present at stream level could adequately support the construction of a jumbo block gravity retaining wall. From the top of the retaining wall the slope was reconstructed at 1.5'-1' by benching R-7 rip-rap into competent material. Minor roadway reconstruction was also required as part of the project. The project was completed as an emergency project as the roadway is a school bus route and the embankment supported a watermain that was critical in supplying water to a portion of the Township.

Because the embankment failure was along a stream, DEP and Conservation District coordination and permitting was required.

EADS Services included:

- Surveys
- Permits
- Design
- Wetland Investigation
- E&S Plan
- Specifications
- Construction Consultation



Completion Date:
2013

Construction Cost:
\$68,988.12

References:
Conemaugh Township Supervisors
1120 Tire Hill Road
Johnstown, PA 15902

Mr. Steven M. Buncich,
Chairman
814-288-1400

QUICK FACTS

SLEEPY HOLLOW ROAD AND EMBANKMENT RECONSTRUCTION PENN TOWNSHIP

Westmoreland County, Pennsylvania

It was found that a 60' section of Sleepy Hollow Road and roadway embankment began to subside, creating unsafe driving conditions and causing loose material to fall from the slope into an adjacent property. Upon further investigation, it was discovered that a high pressure gas line was directly below the area of subsidence. The EADS Group (EADS) worked with Dominion Gas to relocate the existing gas line to the opposite side of the roadway.

Test borings were completed. Design plans were developed, requiring the roadway to be cut 20' and reestablished in Lifts. The reconstruction, NPDES permits, as well as, Erosion and Sedimentation (E&S) permits were obtained for the roadway and borrow area. The embankment stabilization, roadway work and associated stormwater work was completed.



Engineering Cost:
\$52,000
Construction Cost:
\$65,000 (Materials Only)

References:
**Penn Township
Commissioners**
2001 Municipal Court
Harrison City, PA 15636

QUICK FACTS

THE LEWISTOWN NARROWS PROJECT

Mifflin & Juniata Counties, Pennsylvania

Previously, The Lewistown Narrows (Route 22/322) was a two-lane highway capped on either end by four-lane interstate "look-alikes". The result was a dangerous bottleneck with a high-profile crash history.

To modernize the highway, the design team had to squeeze two additional lanes into the already tight valley while remaining sensitive to the historic Pennsylvania Canal System and significant environmental concerns - all while keeping the roadway open to traffic throughout the massive year-round construction and keeping a close eye on the dangerously unstable mountainside.

A bifurcated alignment was chosen for the narrowest portion of the roadway - pushing westbound lanes 20 feet above eastbound lanes for about 2.3 miles. Supporting the alignment is the longest mechanically stabilized earth wall in the United States. Also supporting the alignment is a unique pin-pile system made up of roughly 43.5 miles of pipe drilled into the slopes to stabilize the rocky mountainside. The alignment relieved much of the concern for the Canal; however, a Canal Park and offsite wildlife habitat were designed to mitigate any impacts of the reconstruction.

The roadway was opened to traffic on December 14, 2007 - one full year ahead of schedule.

EADS Responsibilities:

- Overall Project Management and Agreement Administration
- Wetland and Stream Mitigation Design
- Canal Park Design
- Fish and Boat Access Plan
- Environmental Assessment Clearance Document
- Surveying
- ITS Plan
- Final Design of the Lewistown Interchange and Associated Structures S-101, S-102, S-103
- Preliminary and Final Design of the Arch Rock Interchange and Associated Structures S-117, S-118, S-119, S-120
- Structure Design for Wall S-111; Box Culverts S-109, S-112, S-116; and Bridge S-115
- Construction Consultation

Project has won several awards including the ACEC/PA Grand Conceptor Diamond Award, the ACEC Honor Award, FHWA Excellence in Highway Design Award, and the ARTBA-TDF GLOBE Award.



Construction Cost:

\$142,000,000

References:

PennDOT District 2-0
1924-30 Daisy Street
Clearfield, PA 16830-0342

Mr. Karen Michaels, P.E.,
814-765-0400

QUICK FACTS

CITY OF FRANKLIN MYRTLE STREET IMPROVEMENT PROJECT

Venango County, Pennsylvania

Project involved the replacement of sanitary sewer and water lines, street widening and paving and associated improvements to the 1300 block of Myrtle Street in the City of Franklin. Approximately 720 LF of sanitary sewer line and 1020 LF of water line were replaced. 3 new manholes, 2 fire hydrants, and 6 storm inlets were also installed. Also included in the project was the widening and resurfacing of the roadway. Due to the steepness of the terrain, 50-foot retaining wall was constructed using precast concrete interlocking blocks. Wedge curbing was also installed to control drainage.

Funding for the project came from a variety of funding sources, including: the City's Community Development Block Grant (CDBG) program, the City's street department fund, and the Franklin General Authority. When preparing the bid quantities and cost estimates for the project, EADS had to apportion the quantities/costs to match the various funding sources.

EADS services included:

- Site Survey
- Base Mapping
- Preliminary and Final Design
- Bid Document Preparation, Bidding and Award of Contract
- Shop Drawings, Pay Estimates, Change Orders, etc.
- Construction Inspection and Observation

Construction of the project was completed in October, 2016. The Prime Contractor was Mortimers Excavating of Pulaski, PA.



Completion Date:
2016

Construction Cost:
\$320,000

References:

City of Franklin
430 Thirteenth Street
Franklin, PA 16323

Ms. Tracy Jamieson
City Manager
814-437-7841

QUICK FACTS

CITY OF FRANKLIN SASSAFRAS STREET IMPROVEMENT PROJECT

Venango County, Pennsylvania

This project involved the complete reconstruction of the 1300 block of Sassafras Street in the City of Franklin from the intersection with 13th Street west to a dead end through milling, widening and overlay paving. Due to the steepness of the terrain, two sections of a deteriorating retaining wall totaling 200 LF were replaced with pre-cast concrete interlocking blocks. Wedge curbing was also used to control drainage on the steep hillside. Sanitary sewers, later, public water and customer connects were replaced. A deteriorated and unsafe set of public steps connecting Sassafras Street to Myrtle Street was also removed as part of this project.

Funding for the project came from a variety of funding sources, including: the City's Community Development Block Grant (CDBG) program and the Franklin General Authority. When preparing the bid quantities and cost estimates for the project, EADS had to apportion the quantities/costs to match the various funding sources.

EADS services included:

- Site Survey
- Base Mapping
- Preliminary and Final Design
- Bid Document Preparation, Bidding and Award of Contract
- Shop Drawings, Pay Estimates, Change Orders, etc.
- Construction Inspection and Observation

Construction of the project was completed in October, 2017. The Prime Contractor was Advanced Contracting of Stoneboro, PA.



Completion Date:
2017

Construction Cost:
\$356,000

References:
City of Franklin
430 Thirteenth Street
Franklin, PA 16323

Ms. Tracy Jamieson
City Manager
814-437-7841

QUICK FACTS

MILL STREET STABILIZATION

Westmoreland County, Pennsylvania

In order to stabilize a portion of Bushy Run Creek along Mill Street, this project was determined to be a phased project. The first two phases repaired approximately one hundred feet of stream channel each and a third phase was anticipated to continue with the repair work already begun. This project was especially crucial to the Township in that Mill Street provided the only access to the Harrison City Fire Department; so allowing the stream to erode to the point of road damage was not an option.

The EADS Group was tasked with designing the first phase of the project in 1993. For this phase, EADS assisted the Township with obtaining a Community Development Block Grant to offset the construction costs for the project. To complete this project, EADS prepared a cost estimate for the work, prepared contract drawings and specifications, and coordinated with County CDBG personnel to verify that their required funding specification sections were included in the bidding documents. EADS also assisted the Township with obtaining a general permit from the County, bidding the project, and performing construction inspections to ensure that the work was being installed in accordance with the contract documents, which detailed a system of gabion baskets to stabilize the stream banks.

The second phase of the project was completed ten years later in 2003. During this phase, EADS prepared drawings and specifications for a jumbo block system to stabilize the stream banks and submitted the design to the County to obtain a general permit. After obtaining the requisite permit, the Township was able to self-perform this phase of the work using EADS' design, thus saving labor costs associated with bidding a project and paying prevailing wage rates.

Both phases of the project were successful in halting the erosion of the Bushy Run stream bank, which in turn helps keep the community safe by ensuring the continued ingress and egress of the Harrison City Fire Department from their facility.



Construction Cost:
\$14,000

References:
**Penn Township
Commissioners**
2001 Municipal Court
P.O. Box 452
Harrison City, PA 15636

QUICK FACTS

IOWA AVENUE RETAINING WALL GLASSPORT BOROUGH

Allegheny County, Pennsylvania

A wooden railroad tie retaining wall, supporting Iowa Avenue in Glassport Borough, had partially collapsed creating a critical safety concern for vehicles and pedestrians using the roadway and adjoining sidewalk. The collapsed wall was also threatening failure to the Borough street; compromising gas, water and sewer utilities and creating potential damages to the building foundations on private property. As the Borough's retained municipal engineers, The EADS Group was engaged to design a retaining wall structure to replace the failing wall, hence, maintaining the street which is a major thorough-way that provides access to many residents for vehicular and pedestrian traffic.

A 2' x 2' x 6' precast concrete block material, was selected as the preferred alternative for structural adequacy and cost of construction. The 8' x 51' gravity retaining wall project also included a concrete sidewalk and a chain link fence along the top of the wall.

75% of funding for this project came from a Community Development Block Grant, while the other 25% derived from local funding.



Before



During



After

Construction Cost:
\$30,000

References:

Borough of Glassport
440 Monongahela Avenue
Glassport, PA 15045

QUICK FACTS

PAINT CREEK EMBANKMENT REPAIR

Somerset County, Pennsylvania

The project involved the replacement of a collapsed gabion basket retaining wall along Paint Creek behind the Paint/Scalp Level Volunteer Fire Company in Paint Borough, Somerset County, PA. The wall supports the embankment and parking area adjacent to the VFC.

The replacement wall, which measures 94 feet in length and 16 feet in height, is constructed of reinforced concrete with a spread footing founded on bedrock.

EADS services for this project included:

- Field Survey and Base Mapping
- DEP General Permit Registration BWM-GP-11
- Erosion and Sediment Pollution Control Plan
- Technical Design
- Contract Development, Bidding and Award
- Construction Observation
- Resident Project Representative
- Grant /Loan Application Assistance



Cost:
\$49,537

References:
Paint Borough Council
119 Hoffman Avenue
Windber, PA 15963

QUICK FACTS

PROJECT EXPERIENCE

Allegheny Mineral Corp. - McCandless Mine

Project Location: Slippery Rock Township, Butler County, PA

Client: Allegheny Mineral Corp.
Kittanning, PA

Post Mining Reclamation / Wetland Mitigation: The purpose of the project has been to provide mine site reclamation capable of fulfilling operator obligations, as well as enhance the topography with features suitable for both current and future wetland mitigation efforts. The McCandless Mine Site (MDP 3074SM13) is located in Slippery Rock Township, Butler County, PA. EADS has been involved with continual mine site development, environmental monitoring, and post-mining reclamation and landuse designing.

EADS provided topographic survey and mapping services, water quality field monitoring including quality testing and flow measurements, treatment design methodology, engineering design, construction inspections, and an operation and maintenance plan.

The mine site reclamation design consisted of the following;

- ▶ Mine Site Design and Permitting
- ▶ Storm Water Management Plan
- ▶ Erosion and Sedimentation Control Plan
- ▶ Environmental Monitoring
- ▶ Topographic Surveying and Mapping
- ▶ Hydrologic Studies for Post Mining Groundwater
- ▶ Final Reclamation Surface Design
- ▶ Revegetation and Landuse Design
- ▶ Wetland Mitigation Area Design
- ▶ Wetland Species Composition Design
- ▶ Mitigation Stocking, Inspection, and Evaluation

PROJECT EXPERIENCE

State Industries - Mine 22

Project Location: Fairview Township, Butler County, PA

Client: State Industries, Inc
Kittanning, PA

Acid Mine Drainage Treatment Remediation: The purpose of the project was to address non-compliant AMD discharges associated with the Mine 22 Surface Mine Site (SMP 10970105) located in Fairview Township, Butler County, PA. EADS was contracted to provide passive treatment design services for two post mining non-compliant discharges.

EADS provided topographic survey and mapping services, water quality field monitoring including quality testing and flow measurements, treatment design methodology, engineering design, construction inspections, and an operation and maintenance plan.

The treatment system and design consisted of the following;

- ▶ AMD Discharge Collection System
- ▶ Upflow Limestone Treatment Design
- ▶ Aerobic Oxidation/Settlement Basin
- ▶ Aerobic Wetland Polishing Basin
- ▶ Aerobic Limestone Basin
- ▶ Site Access Design and Permitting
- ▶ Storm Water Management Plan
- ▶ Erosion and Sedimentation Control Plan
- ▶ Construction Inspection
- ▶ Operation and Maintenance Plan

PROJECT EXPERIENCE

RECLAMATION AND A.M.D. ABATEMENT

Project Location: Potato Ridge Mine
Fayette County, PA

Client: Kaiser Aluminum & Chemical Corp.
Fayette County, PA
John W. (Bill) Vinzant
225-231-5116

Project involves complete mine site evaluation of a strip mine including comprehensive geologic and hydrologic evaluation, formulation of proposals for the abatement of existing A.M.D. discharges, complete reclamation design (including plans, specs, and costs), a compliance review with respect to applicable state and federal regulations, design and siting of sludge ponds, and evaluation of existing A.M.D. treatment facility. Reclamation of this site (and coincidental A.M.D. abatement) included utilization of several unique and "experimental" concepts including lime slurry injection, diffusion testing, surfactant utilization, utilization of sewage slurry as a soil substitute, and magnetic conductivity hydrogeologic studies.



Township Road Constructed Wetlands



Laurel Run Constructed Wetlands

PROJECT GOALS AND OBJECTIVES

- Vendors should discuss any anticipated concepts and proposed methods of approach for achieving each of the listed goals and objectives.
 - Develop construction plans and technical specifications to stabilize the landslide at the abandoned mine lands project area known as Sardis (Saas) Landslide.
 - EADS proposes to proceed with project by first meeting with the WVDEP AML team leaders to determine full project scope and results sought. Throughout the geotechnical study, AML will be kept in the project loop by discussing the finding and potential solutions.
 - With current information the most likely solutions to the Sardis Landslide Area would be a rock buttress installation or a combination of subsurface drainage and recompacted soil embankment/buttress reinforced with geogrids.
 - Design plans and develop specifications to control any associated water with the site.
 - The acid mine drainage issue will be resolved once a series of standpipe piezometers are installed to determine water head elevation that the mine seals will be designed to resist.
 - Stormwater runoff will likely be resolved using rock drains to remove water from slide area, but more analysis is needed to determine what is causing the drainage issue.
 - Design plans and develop specifications for limits of disturbance, storm water control, and erosions and sediment prevention. All disturbed areas are to be regraded and revegetated.
 - Aerial photography and ground survey will be used in conjunction to develop an overall picture of the slide area. EADS will work with our subconsultant, A&A Consultants, and AML Leaders to determine AMD scale and total limit of disturbance required.
 - Design plans and develop specifications for all conditions encountered on the project sites.
 - When unforeseen conditions arise, EADS will use a group effort approach for a resolution. The WVDEP, EADS, and A&A will all work together to determine what options are available for the resolution and the best path forward. It is the responsibility of the EADS Project Manager to keep the entire team informed and working together.

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire".

NAME AND ADDRESS: A&A Consultants, Inc. 1800 Pine Hollow Road, Suite 4A McKees Rocks, PA 15136	SPECIALTY: Geotechnical Engineering AMD Mining Services	WORKED WITH BEFORE ___X___ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No

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

YES Description and Number of Projects: Refer to question 17.

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: _____

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: Determined stormwater design characteristics and requirements for many projects including playgrounds, landslides, and urban development.

NO

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

YES Description and Number of Projects: We provide professional surveying and mapping services to government, business and industry. Our survey crews and photogrammetric mapping personnel provide timely and accurate data necessary for the successful completion of any project. The corps and photogrammetrists at The EADS Group, Inc. are familiar with the most recent regulations and standards. We have customized black and white or color aerial photography, photogrammetric mapping and digital orthophotography available to identify the physical features in your specified location. We use KLT ATLAS software, combined with analytical and soft copy plotters, to create a true-to-scale, high-quality drawing which may be updated as your project progresses. Drawings and project files can be transmitted electronically or placed on a CD/DVD, in the following formats for your convenience: AutoCAD, MicroStation and ArcInfo. The EADS Group can provide both high quality photography and accurate mapping with ground control. We have performed this work on dozens of projects.

NO

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

YES Description and Number of Projects: The EADS Group has developed an expert team of water and wastewater professionals that have successfully completed projects of various sizes and levels of complexity for municipalities, authorities, and private developments. Engineers in this group are supported by our staff of structural engineers, inspectors, site designers, environmental scientists, surveyors, architects and landscape architects, as needed. Our engineers are well-informed of the latest state and federal mandates and requirements. We have performed this work on dozens of projects.

NO

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

YES Description and Number of Projects: Refer to question 17.

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:
Yahner, David M. Principal-in-Charge			28

Brief Explanation of Responsibilities

Principal-in-Charge - Responsible for overseeing the entire project.

EDUCATION (Degree, Year, Specialization)

B.S., 1992, Civil Engineering Technology

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
American Society of Civil Engineers (ASCE) Water Environmental Federation (WEF)	P.E., 2008, WV P.E., 1999, PA P.E., 2002, MD P.E., 2017, VA P.E., 2017, NJ

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:
Faas, Benjamin W. Project Manager / Engineer			23

Brief Explanation of Responsibilities

Project management including coordination of staffing and services to complete the project; as well as engineering design for the landslide stabilization.

EDUCATION (Degree, Year, Specialization)

B.S., 1997, Civil Engineering Technology

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	P.E., 2001, WV P.E., 2004, PA P.E., 2008, DC P.E., 2011, MD P.E., 2012, NY P.E., 2012, VA

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Cook, Joshua D. Assistant Project Manager / Project Engineer		3	1

Brief Explanation of Responsibilities

Point-of-Contact / Overseeing design

EDUCATION (Degree, Year, Specialization)

M.S., 2014, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
2018, Project Management Professional (PMP)	P.E., 2017, WV P.E., 2019, OH

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:
Tote, Richard G. Environmental Manager		43	

Brief Explanation of Responsibilities

QA / QC for checking Subconsultant work. _____

EDUCATION (Degree, Year, Specialization)

Assoc., 1977, Engineering Surveying Technology

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	P.L.S., 1984, PA P.L.S., 2015, OH

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Smith, Nicholas D. Construction Inspection Services Manager			
Brief Explanation of Responsibilities			
Construction Inspection Services Manager responsible for overseeing construction management and inspection services.			
EDUCATION (Degree, Year, Specialization)			
B.S., 2005, Civil Engineering Technology			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, Year, State)	
American Society of Civil Engineer (ASCE)		P.E., 2013, PA	

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Will, Philip J. Environmental / Permitting Specialist		46	46
Brief Explanation of Responsibilities			
AMD - Environmental / Permitting			
EDUCATION (Degree, Year, Specialization)			
A.S., 1974, Environmental Engineering			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, Year, State)	

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
No projects relating specifically to AML type projects.				
TOTAL NUMBER OF PROJECTS :			TOTAL ESTIMATED CONSTRUCTION COSTS : \$	

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)
City of Franklin Sassafras Street Improvement Project Venango County, PA	City of Franklin 430 Thirteen Street Franklin, PA	\$356,000	2017	Yes
City of Franklin Myrtle Street Improvement Project Venango County, PA	City of Franklin 430 Thirteen Street Franklin, PA	\$320,000	2016	YES
McConnellstown Quarry, Mine Reclamation, Walker Township, Huntingdon County, PA	New Enterprise Stone & Lime Co., Inc. , P.O. Box 77 New Enterprise, PA 16664	\$826,600	originally 2013 updated 2020	Pending
McCandless Mine, Mine Reclamation & Wetland remediation, Slippery Rock Township, Butler County, PA	Allegheny Mineral Corp., P.O. Box 1022, Kittanning, PA 16201	\$4,290,000	2017	In progress
Potato Ridge Mine & Smith Mine, Combined Acid Mine Drainage Treatment, Stewart Township, Fayette County, PA	Clean Streams Foundation, 180 North Mill Street, Lexington, KY 40507	\$938,000	2016	Partially completed, Remaining pending funding
Mine 22, Acid Mine Drainage Treatment, Fairview Township, Butler County, PA	State Industries, P.O. Box 1022, Kittanning, PA 16201	\$235,100	originally 2013, updated 2018	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
No projects relating specifically to AML type projects.					

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.

20. The foregoing is a statement of facts.

Signature: David M. Yalmer Title: Vice President Date: September 2, 2020

Printed Name: David M. Yalmer, P.E.

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AML CONSULTANT QUALIFICATION QUESTIONNAIRE**

Attachment "A"

PROJECT NAME Sardis (Saas) Landslide	DATE (DAY, MONTH, YEAR) 28, August, 2020	FEIN 25-1782981
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1. FIRM NAME A&A Consultants, Inc.	2. HOME OFFICE BUSINESS ADDRESS 1800 Pine Hollow Road, Suite 4A McKees Rocks, PA 15136	3. FORMER FIRM NAME ACA Technologies, Inc.
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3. HOME OFFICE TELEPHONE 412-323-2200	5. ESTABLISHED (YEAR) 1996	6. TYPE OWNERSHIP Individual <input type="checkbox"/> <u>Corporation</u> Partnership <input type="checkbox"/> Joint-Venture <input type="checkbox"/>	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE
1800 Pine Hollow Road, Suite 4A/412-323-2200/
McKees Rocks, PA 15136

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Dr. Al M. Ahmed, P.E., President	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS David J. Whitlatch, Vice President of Geotechnical Services, 724-635-9543
---	--

9. PERSONNEL BY DISCIPLINE

2 ADMINISTRATIVE	— ECOLOGISTS	— LANDSCAPE ARCHITECTS	3 STRUCTURAL ENGINEERS
— ARCHITECTS	— ECONOMISTS	— MECHANICAL ENGINEERS	— SURVEYORS
— BIOLOGIST	— ELECTRICAL ENGINEERS	1 MINING ENGINEERS	1 TRAFFIC ENGINEERS
2 CADD OPERATORS	ENVIRONMENTALISTS	— PHOTOGRAMMETRISTS	— OTHER
— CHEMICAL ENGINEERS	— ESTIMATORS	— PLANNERS: URBAN/REGIONAL	
7 CIVIL ENGINEERS	3 GEOLOGISTS	— SANITARY ENGINEERS	
15 CONSTRUCTION INSPECTORS	— HISTORIANS	3 SOILS ENGINEERS	
2 DESIGNERS	3 HYDROLOGISTS	3 SPECIFICATION WRITERS	35 TOTAL PERSONNEL
2 DRAFTSMEN			

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 3

***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? YES NO

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire".

NAME AND ADDRESS: Terra Testing 260 Meadowlands Blvd. Washington, PA 15301	SPECIALTY: Core Borings and Instrumentation	WORKED WITH BEFORE ___x___ Yes ___ ___ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ___ ___ Yes ___ ___ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ___ ___ Yes ___ ___ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ___ ___ Yes ___ ___ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ___ ___ Yes ___ ___ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ___ ___ Yes ___ ___ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ___ ___ Yes ___ ___ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ___ ___ Yes ___ ___ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE ___ ___ Yes ___ ___ No

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

- Description and Number of Projects: Chartiers Creek Acid Mine Drainage (AMD) Study; Allegheny & Washington Counties, Pennsylvania - Jack Roseman performed the field reconnaissance to remediate the sources of AMD in the Chartiers Creek Basin using mine maps, topographic maps and aerial photographs. Then by hiking into the predetermined points of interest to design the site specific remediation.
- Ohio Street Equalization Basins; Johnstown, Pennsylvania - Performed the subsurface evaluation and risk determination for potential future mine subsidence based on test borings, a mine map, study and core fracture evaluation for two portable water clarifiers.
- Work with Pennsylvania DOT - resolving many issues pertaining to abandoned and active mines such as subsidence, sealing entries, in road cuts, passive treatment systems or mine drainage, sealing coal seams in road cuts, and sealing abandoned mine shafts in road alignments for dozens of maintenance, design and construction projects. Repair of landslides on old mine workings.

NO

B. Is your firm experienced in Soil Analysis?

- Description and Number of Projects: Testing of soil for gradation and index properties, strength properties, analysis of composition to determine if the material could be considered clean fill on hundreds of projects.

NO

C. Is your firm experienced in hydrology and hydraulics?

- Description and Number of Projects: Determined groundwater hydrology on projects to cut off groundwater flow.
- Determined stormwater design characteristics for dozens of projects.
- Used H&H to develop erosion and sedimentation control plans for dozens of projects.

NO

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

YES Description and Number of Projects: _____

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.)

- Description and Number of Projects: Designed waterline and hook-ups for several projects for the Urban Redevelopment Authority in the City of Pittsburgh.

NO

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

- YES Description and Number of Projects: Worked with the Pennsylvania DOT to treat AMD on roadway projects for maintenance, construction and design on 20 projects.

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:
Whitlatch, Dave, J. Vice President of Geotechnical Services	25	25	0

Brief Explanation of Responsibilities
 Mr. Whitlatch has over 30 years of project management, construction and geotechnical engineering experience and is responsible for the geotechnical engineering operations in the firm. Mr. Whitlatch will manage/lead geotechnical and mine seal design and will oversee engineers and geologists involved in working on the project. HE will ensure technical accuracy of all mine pool hydrogeologic investigations, borings, and landslide remediation analysis and mine seal design. Mr. Whitlatch was the District Geotechnical Engineer for Pennsylvania Department of Transportation, District 12-0 for seven years. He is involved with all geotechnical projects from conceptual design through construction. He is experienced in bearing capacity determinations for spread footings on both soil and rock, pile capacity analysis, drilled shaft rock socket design, settlement analysis, slope stability analysis, subgrade investigations and treatments of poor subgrade conditions, investigating and monitoring both abandoned and active room and pillar mines and active longwall mines, geotechnical laboratory testing, geotechnical instrumentation, embankment failure repair, rockfall stabilization and/or repair, drilling procedures and inspection, and resolving geotechnical challenges encountered during construction.

EDUCATION (Degree, Year, Specialization)
 BS, 1988, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
American Society of Civil Engineers (ASCE) American Society of Highway Engineers (ASHE)	Licensed Professional Engineer, 1998, Pennsylvania Licensed Professional Engineer, 2014, West Virginia

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:
Roseman, Jack, T. Senior Geotechnical Engineer	50	50	0

Brief Explanation of Responsibilities
 Mr. Roseman has over 50 years of experience in the execution and management of construction management, construction inspection, geotechnical, materials testing and environmental projects. Mr. Roseman is a Senior Engineer who will lead the analysis of landslide repair and mine seals. His construction management and inspection experience includes the supervision of civil engineers and construction inspectors on projects including foundation design and installation, site grading and utility installation, paving and parking lot design, steel erection, and pre-cast concrete erection. His geotechnical experience includes areas of slope stability, subgrade evaluations and pavement design, soil and rock mechanics, foundation engineering, reinforced concrete, mine subsidence, seepage control, preparation of design plans and specifications, construction inspection and quality control. Mr. Roseman has performed the geotechnical analysis and prepared reports for foundation investigations for highways, dams, bridges, industrial facilities, chemical plants and buildings. Environmental experience includes Phase I ESA's, AMD studies, hydrogeological studies, drilling and monitoring well installation. Other experience includes slope stability analysis for landslides and the appropriate recommendations for corrective measures, design for slurry pond impoundment's and coal refuse embankments. He has also performed dam design and water shed hydrology studies, and designed bulkheads and mooring cells for river docks. His field of experience also includes fill placement and compaction testing, concrete testing, test boring drilling, caisson drilling, fill placement, concrete foundation construction, pile driving inspection and performing plate and pile load tests. Other experience includes airport runways, taxi-ways, cargo buildings, CFR structures, landslides and food service buildings.

EDUCATION (Degree, Year, Specialization)

M. S., Civil Engineering, 1971 University of Pittsburgh, Pittsburgh, PA

B. S., Civil Engineering, 1964, University of Pittsburgh, Pittsburgh, PA

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers (ASCE)

American Society of Highway Engineers (ASHE)

REGISTRATION (Type, Year, State)

Licensed Professional Engineer, 1969, Pennsylvania

Licensed Professional Engineer, 1971, West Virginia

Licensed Professional Engineer, 1976, Ohio

Licensed Professional Engineer, 1979, Indiana

Licensed Professional Engineer, 1976, New York

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.) Kilburn, Jennifer, Z., Senior Geotechnical Project Manager	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 21	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:

Brief Explanation of Responsibilities
 Ms. Kilburn has over 20 years of experience providing engineering geology and geotechnical services to both public and private sector clients. Ms. Kilburn will manage investigations for soil and rock data collection and hydrogeology of mine pools. Her professional experience includes performing and managing subsurface investigations, preparation of subsurface profiles, and preparation of Geotechnical Reports for Pennsylvania Department of Transportation, the Pennsylvania Turnpike Commission, and various private sector clients. Her responsibilities also include collecting geologic and hydrologic information and field data via detailed field reconnaissance and subsurface investigation phases, along with studies of geologic and hydrologic characteristics for interstate highways and bridges, state and local highways and bridges and mass transit systems; the design of conventional shallow and deep foundations; gravity, cantilevered, tie-back, and soil-nailed retaining walls; concrete and asphalt pavements, permanent and temporary cut and fill slopes and numerous investigations for geologic hazards such as landslide investigations, deep sinkhole remediation and deep and surface mine investigations, acid mine drainage, and water quality studies. She also has prepared Phase I Reports, Phase II/III Reports, and Waste Management Plans.

EDUCATION (Degree, Year, Specialization)
 M. S., Earth Science, 1999, California University of Pennsylvania
 B. S., Earth Science, 1997, California University of Pennsylvania

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers (ASCE) American Society of Highway Engineers (ASHE) Pittsburgh Geological Society (PGS)	REGISTRATION (Type, Year, State) Licensed Professional Geologist, 2010, Pennsylvania
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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.) Domat, Sanaa, A.	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 26	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 26

Brief Explanation of Responsibilities
 Ms. Domat has over twenty-five years of experience in the Land Development and water/ waste water management, Ms. Domat areas of specialization include hydrology and hydraulic studies and infrastructure layout and design including roadways, parking areas, lots, site grading, waterlines, sanitary storm sewers and stormwater management facilities and preparation of Erosion and Sedimentation Pollution Control Plans. She has AutoCADD and Civil 3D CADD experience. She has also worked extensively in pipe and culvert sizing. Ms. Domat works in many aspects of local transportation, municipal, and land development projects, Ms. Domat's design experience includes roadway design and drafting, preparation of preliminary alignment alternatives for different agencies, design of roadway relocation for local roads, preparation of site plans for commercial development, drainage and stormwater management design, sanitary sewer design, erosion and sedimentation pollution control design, hydrologic and hydraulic analysis, and utility relocation.

EDUCATION (Degree, Year, Specialization)
 Graduate classes in Hydrology and Water Resources-University of Pittsburgh, 2004
 B.S., Civil Engineering, 1984, University of Damascus, Syria

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
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14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

Auto CADD with Civil 3D

Roc Science SLIDE - 20 - Slope Stability Analysis

GSTABL - Slope Stability Analysis

STAAD

EPCAMR

MODFLOW

Geosystems for lab results

gINT for Boring Logs

M-Scope Water Level Reader

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
Duquesne Light Poll Foundations	Duquesne Light	Duquesne Light Subgrade Inspections	\$ 2,082,700.00	25
SR 3015, 01B, Little Paint Creek Bridge	PennDOT District 9	Construction Inspection	\$104,757.21	0
Washington County Pike Run Bridge #24 Over Pike Run on Laurel Road (T-948)) Pike Run Township, Washington County, Pennsylvania	Washington County, PA Planning Commission	Structural Engineering	\$583,706.00	98
Hulton Road Landslide Repair	Washington County, PA Planning Commission	Structural and Geotechnical Engineering	\$4,999,999.99	99
Open End Geotechnical Engineering Contract	Pennsylvania Turnpike Commission	Geotechnical Engineering	\$1,895,762.12	98
City of Pittsburgh Open End Structural Engineering Contract	City of Pittsburgh	Structural Engineering	\$1,000,000.00	20
CHartiers Bridge No. 23, Allegheny County, PA	Allegheny County, PA Department of Public Works	Structural Engineering	@285,000.00	99
TOTAL NUMBER OF PROJECTS:			TOTAL ESTIMATED CONSTRUCTION COSTS: \$10,951,925.32	

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
PennDOT Fabricated Structural steel and coatings plant inspection	Construction Inspection	PennDOT Bureau of Construction Materials			\$381,788.00
PennDOT Fabricated Structural steel and coatings plant inspection	Construction Inspection	PennDOT Bureau of Construction Materials		\$10,135,544.82	\$559,390.54
Allegheny County Roadways	Geotechnical Services (PTC)	Allegheny County Department of Public Works			\$42,959.84
NBIS Group I Bridge Inspection	Bridge Inspection	PennDOT			\$581,892.08
PTC Milepost 39 - 48	Roadway Inspection	Pennsylvania Turnpike Commission			\$271,546.00
Rachel Carson Bridge	Roadway Inspection	City of Pittsburgh, PA			\$346,202.62
Retaining Wall and Noise Wall Safety Inspections - Western Region	Wall Inspection	PennDOT District 11-0			\$58,369.94

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)
Spring Run Road Landslide	County of Allegheny Department of Public Works	\$400,440.00	2018	Yes
Hulton Road Landslide Repair	PennDOT District 11-0	\$4,999,999.99	2019	Yes
Rick West Fill Site	Rick West		2019	Yes
Jeff Doughty Fill Site	Jeff Doughty		2019	Yes
Washington County Fairgrounds	Washington County, PA Planning Commission	\$258,220.77	2016	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
Campbells Run Bridge No. 6, Allegheny County, PA	Allegheny County Department of Public Works	\$5,946.00	2017	No	MS Consultants
I-579 Urban Open Space Cap	Sports & Exhibition Authority of Pittsburgh and Allegheny County	\$57,849.36	2014	No	HDR Engineering
Alcosan Wet Weather Program	ALCOSAN	\$8.625.00	2018	No	CDM Smith
Little Deer Creek Bridge No. 5	Allegheny County Department of Public Works		2019	Yes	McTish, Kunkel & Associates
Pine Creek Bridge No. 6	Allegheny County Department of Public Works		2019	No	McTish, Kunkel & Associates
Temporary Shoring for SR 381 over the Youghiogheny River - Ohiopyle - Fayette Co, PA	PennDOT District 12-0	\$6000.00	2019	Yes	Plum Contracting

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.

20. The foregoing is a statement of facts.

Signature: 
 Title: Director of Geotechnical Engineering
 Printed Name: David J. Whitlatch

Date: 8/31/2020

AML and RELATED PROJECT EXPERIENCE MATRIX

PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS														PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional						
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/ Replacement	Construction Inspection/Managem ent	Water Treatment	Eq,uipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Benjamin Faas	Joshua Cook	Rick Tote			
McCandless Mine - Allegheny Mineral Corp	P										X	X					X			X			
Blackner Road Stabilization Study	P																X	X					
Mine 22 - State Industries	P					X					X	X	X	X						X			
Reclamation and AMD Abatment - Potato Ridge Mine	P		X			X					X	X		X			X			X			
Left Fork Bioreactor - Mountain Laurel	P										X	X	X	X						X			
Branch Environmental Design - Mountain Laurel	P										X	X	X	X						X			
Govier Lane Embankment	P										X		X				X	X					
Sleepy Hollow Rd Embankment Reconstruction	P								X		X						X	X					
Lewistown Narrows Project	P										X		X				X						

* 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.

AML and RELATED PROJECT EXPERIENCE MATRIX

PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS														PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional						
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Dave Whitlatch/M	Jack Roseman/M	Jen Kilburn/P	Rachel Miller		
Substation/Allegheny Power/TrailCo, Greene County PA	P		X			X					X		X			X	X		X				
SR 519 Roundabouts, Washington Co, PA	P				X						X					X	X		X				
SR 819/119 Interchange Project, Westmoreland Co, PA	P				X					X		X					X		X				
SR 66 Westmoreland County, PA	P				X					X			X				X						
SR 22-B02, Murraysville, Westmoreland Co, PA	P		X	X	X					X		X				X	X						
SR 3015, East Huntingdon TWP, Westmoreland Co, PA									X								X						
West Pike Run Stream Reclamation, Washington Co, PA	P		X																X				
Pigeon Creek Watershed, Washington Co, PA	P		X	X															X				
Beech Creek Watershed AMD Remediation, Centre County, PA	P		X	X																	X		
Analysis of Spring Creek, Centre Co, PA	P																				X		

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI DEP2100000001

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification. etc.

Addendum Numbers Received:

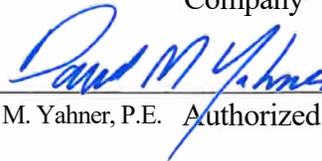
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

The EADS Group, Inc.

Company



David M. Yahner, P.E. Authorized Signature

September 2, 2020

Date

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

Revised 6/8/2012