

Expression of Interest

West Virginia

Department of Environmental Protection

Division of Abandoned Mine Lands

DEP Request for Quotation Reynoldsville Refuse Design #DEP14992

May 18, 2010

Prepared For:

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Supposited Eve

SUMMIT ENGINEERING, INC.

Serving West Virginia with offices in Chapmanville, Charleston and Bridgeport.

West Virginia Department for Environmental Protection Division of Abandoned Mine Lands **DEP 14992– Reynoldsville Refuse Design RFP**

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VENDOR

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

Request for Quotation

AFO NUMBER
DEP14992

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ADDRESS CORRESPONDENCE TO ATTENTION OF

CHUCK BOWMAN 304-558-2157

RFQ COPY TYPE NAME/

TYPE NAME/ADDRESS HERE

ENVIRONMENTAL PROTECTION
DEPARTMENT OF
OFFICE OF AML&R
601 57TH STREET SE
CHARLESTON, WV
25304
304-926-0499

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RFQ No.	#DEP14992

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

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

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

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

Under penalty of law for false swearing (**West Virginia Code** §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Summit Engineering,	Inc.	
Authorized Signature: Amas - Umtuli	my	Date: May 18,7010
State ofWest Virginia		/
County of <u>Kanawha</u> , to-wit:		
Taken, subscribed, and sworn to before me this 12		. 20 <i>16</i> .
My Commission expires Februally 27	, 20 <u>19</u> .	. 0 1
AFFIX SEAL HERE	NOTARY PUBLIC	Wani / Nestal
State of West Virginia	· · · · · · · · · · · · · · · · · · ·	70

Executive Summary

Summit Engineering, Inc. proposes to provide design and specification services, surveying and mapping, and any required laboratory or subsurface investigation, in support of the Department of Environmental Protection's (DEP) effort to reclaim lands and water affected by coal mining which occurred prior to the promulgation of the Surface Mining Control and Reclamation Act of 1977. We also propose to offer the service of construction contract document preparation and contract administration to these projects.

Summit Engineering, Inc. is a large, diverse mining and civil engineering firm with seven regional offices strategically located in the Appalachian Coalfields and in close proximity to the anticipated projects requested by the Department for the required scope of work. Our three West Virginia offices are located in Charleston, Chapmanville and Bridgeport, West Virginia. We have combined our individual talents and expertise to benefit many post mining projects in the region. Being a mining and civil engineering firm, we have many corporate attributes that uniquely qualify our firm to provide services for abandoned mine lands reclamation projects in the state of West Virginia.

These attributes include:

- Strategically located offices in West Virginia coalfields (Charleston, Chapmanville and Bridgeport)
- Successful working relationship with West Virginia DEP
- Award-winning post mining land use projects
- Extensive background in coal mine design
- Experienced and available professional staff
- Vast amount of existing data in areas of potential projects

Summit has taken the opportunity to conduct field investigations of this project and has an understanding of the project scope.





SUMMIT ENGINEERING, INC.

400 Allen Drive, Ste 100 Charleston, WV 25302 (304) 342-1342

Principal Contact: Jim Canterbury, PE jcanterbury@summit-engr.com

Firm Highlights

- Founded in 1977
- Over 30 years experience in engineering and architectural services
- Combined experience of more than IIO highly trained employees
- Professionals registered in multiple states:

Kentucky Virginia West Virginia Indiana Tennessee Dhio Pennsylvania Arkansas

Firm History

Summit Engineering, Inc. is a Pikeville, Kentucky based firm. Established in 1977, we have rapidly expanded to meet the growing civil, architectural and mining engineering needs of Kentucky, western Virginia and West Virginia. Summit opened its second office in 1980 which is now located in Big Rock, VA. In 1981, Summit's Civil Engineering Design Headquarters opened in Lexington, KY. A fourth branch opened in 1985 in Chapmanville, West Virginia. Summit Architectural Services was created in April 1995 and operates out of the Pikeville office. Our second West Virginia office was opened in Charleston in 1996. Summit's sixth office opened in Hazard, Kentucky in 1998. In February 2008, Summit opened its third West Virginia office in Bridgeport, West Virginia.

Summit's experience and expertise offers a wide range of civil & mining engineering, surveying, architecture and environmental assessment consultation and design services.



Charleston, West Virginia Office

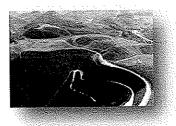
Mining Engineering Services

Our firm has decades of combined experience in the mining and reclamation projects. Summit is proud to have accumulated an enormous amount of experience, which ensures our clients of high quality services at very competitive fees. Projects include:

- → Plan Design
- Surveying and Mapping
- → Hydrologic Investigation
- → Geologic Investigation
- Permitting
- Environmental Monitoring and Testing
- **→** Technical Report Preparation

Summit's most valuable asset is the experience of our staff. Our staff has over of 100 years of cumulative experience in the mining industry. The experience, knowledge, and skills of our staff enable us to assist with the planning and permitting needs of the coal industry in order to overcome the obstacles faced in today's market. Summit has also been instrumental in the development of unique post mining land uses. We have been involved in developing golf courses, residential subdivisions, commercial developments and recreational facilities on previously mined sites, thus illustrating our capacity to combine different disciplines of engineering for the benefit of industry, community, and the environment.







Civil Engineering Services

For over 30 years, Summit's staff of experienced civil engineers has provided civil engineering services for several municipalities as well as water and sewer districts. It is Summit's mission to provide cost-effective solutions to meeting the needs of our clients. Summit's services range from project design and management to bidding and construction administration. As municipal engineers for various communities and projects, Summit has worked extensively with local, state and federal regulations that may be encountered during project development.

Services provided by our Civil Engineering division include:

- Roadways and Bridges
- Urban planning
- ♦ Water supply systems
- Sanitary and storm sewer systems
- **→** Utilities/Infrastructure Needs Studies
- Regional Facilities Planning
- ◆ Industrial & Commercial site development
- Sanitary landfills
- Residential communities

It is our goal to be a full-service provider for your project. Summit also provides additional services to our civil engineering clients, including project administration, construction inspection and funding assistance.







Environmental Services

Summit has developed an in-depth understanding of environmental situations, investigations, and mitigation plans. Our staff of highly trained and experienced personnel enables Summit to provide quality, efficient results on projects ranging in size and sensitivity. Project owners have utilized Summit's services for both mining and civil engineering projects requiring:

- Environmental site assessments
- → Reclamation liability studies
- Aquatic biologic surveys
- → Stream and wetland mitigation
- ♦ Wetland delineation
- ♦ Corps of Engineers permits
- Toxic release inventory reporting
- → Water quality studies
- **→** Land reclamation cost analysis
- Stream benthic surveys
- **♦** KPDES permit applications
- Air quality permits and reporting
- Spill prevention control and countermeasures plans





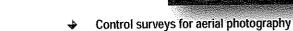


→ EPA underground injection permits

Surveying

Summit Engineering's field staff offers more than 100 years of combined experience in both conventional and global positioning (GPS) survey methods. Our survey staff is comprised of six qualified field personnel who have accumulated an impressive depth of experience on jobs, both large and small, the majority of which are in challenging terrain.

Our projects are held to the highest standards of accuracy by utilizing state of the art equipment, software and support vehicles. Summit's experience has been gained on a wide array of survey projects including:



- → Mine Surveys
- → Underground
- → Quarries
- → Stockpiles
- → GPS Capability
- → ALTA Plat Standards

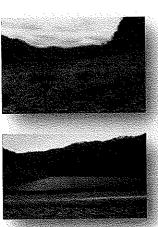


- → Reconnaissance
- → Terrain
- Boundary
- → Property and subdivision
- → Roadway surveys
- Cross-sections
- Construction staking



Summit's organization combines fieldwork experience with superior project management.





Experience & Capabilities

CORPORATE EXPERIENCE WITH ABANDONED MINE LAND PROJECTS

Summit Engineering has been involved in AML reclamation projects since 1983. We have provided services to the West Virginia Department of Environmental Protection – Division of Abandoned Mine Lands, the Virginia Division of Mined Land Reclamation, the Kentucky Division of Abandoned Mine Lands and directly to the Office of Surface Mining. Projects in all three states have included some or all of the following: study, planning, permitting, design and construction oversight on varied types of projects including landslide and other soil and rock stability problems, mine and refuse fire abatement, sealing of hazardous shafts and other portals, mine subsidence problems, channel restoration, acid mine drainage mitigation and facility demolition, water studies and infrastructure projects. Our projects completed for West Virginia's Division of Abandoned Mine Lands include the Godby Branch Project and the Twin Branch Portal Closings Project.

The following exhibit of Abandoned Mine Lands and Reclamation Experience, which briefly describes prior and on-going AML&R projects by Summit, is a quick reference guide to our experience and expertise with AML projects. You will note that most of these projects have been successfully built and have dealt with a variety of issues that might be encountered when dealing with a reclamation project.

Our most recent experience has been obtained in the area of ground water contamination studies. Consequently, many of our studies have resulted in the funding of multiple water supply projects. As an illustration of this success, Summit is proud to have several water supply projects in the region fully funded and in various stages of final design and construction

Summit maintains the experienced staff and other in-house and/or sub-contracted capabilities for all phases of Abandoned Mine Land projects which require services in surveying and mapping, geotechnical investigation, design engineering, contract drawings and specifications, contract document preparation and administration. Thus we are expertly qualified to provide these services for the abatement of problems resulting from abandoned mine lands.



QUALIFICATIONS OF PERSONNEL

Today, Summit Engineering employs approximately 125 highly-trained staff members representing a diverse range of professional backgrounds and technical expertise. Our employees include engineers, geologists, environmental scientists, hydrologists, surveyors and resident inspectors who are complemented by a dedicated support staff.

These individuals have worked on many projects that have addressed both mining and civil engineering concerns. Many of those projects have dealt with post-mining land use or abandoned mine lands. Several of these projects have uniquely integrated all of our engineering disciplines. One similar project is the Stone Crest Golf Course, where previously mined lands were developed into and 18-hole championship golf course in Prestonsburg, Kentucky. Another of these projects is the Grant's Branch Park, where a community facility along with a fishing lake was developed on post-mining lands.

PROJECT TEAM ORGANIZATION

Summit Engineering utilizes an interdisciplinary team approach to develop realistic, cost-effective solutions to the environmental issues associated with abandoned mine lands. This approach allows for the collective input of ideas and expertise and gives the client and the project the "best of both worlds" utilizing our mining and civil engineering departments.

The Principal-in-Charge will ultimately be responsible for the entire scope of the project. **Jim Canterbury**, **PE**, who will serve as the Principal-in-Charge and is a legally authorized official of our firm, is authorized to sign all contractual documents related to AML work. Mr. Canterbury serves as the Office Manager of our Charleston office where he will have direct, hands-on control of any awarded project. Mr. Canterbury has worked for years as an advocate of the coal mining industry and continues to serve on many panels and in industry organizations.

The Project Manager will be responsible for the overall management of each project assigned. **Donald Bailey,** PE will serve as project manager on all WV DEP AML projects. Mr. Bailey is a professional engineer with an intimate familiarity with the DEP on many levels. A portion of his responsibilities as project manager will be as the official project liaison with the DEP. Mr. Bailey and/or key members of his staff will review the work directive, visit the site(s) and develop and execute a work plan.

Additional project engineers may be assigned by the project manager. The majority of the Project Manager's work will involve the technical aspects of the project (i.e., design of engineering plans, detailed review of



calculations and drawings, preparation of technical reports and construction documents), however he will also assume some managerial duties. Particularly, he will coordinate the technical efforts and field work of the team members and will be responsible for any subcontractors regarding their specific assignments as well as regular monitoring of the design process.

Summit Engineering's survey team is led by **Steve Haywood**, **LS (WV)**. Topographic and control surveying are integral parts of the services we provide. Our survey staff offers specialized expertise in various types of field surveys including boundary surveys, topographic surveys, control surveys for aerial mapping, construction surveys and spad setting in underground mine works. We have performed surveying and mapping on projects ranging from mine reclamation projects to water and wastewater lines and from underground mine layouts to construction layout for major projects including roadways, golf courses and industrial sites. Our survey staff is equipped with the latest technology including the use of GPS Systems and other precision instruments for making extremely accurate measurements in the rugged terrain of the Appalachian coalfields.

CAD Technicians dedicated to this project include staff from the Charleston office as well as the Bridgeport and Chapmanville offices, based on the office most readily available to the project site and DEP personnel. Utilizing state of the art equipment and software, we are able to offer a spectacular product of mapping, exhibits and illustrations in a clear and concise format.

PROJECT MANAGEMENT PLAN

Project management is focused on the commitment of resources – physical, fiscal, and personnel – to ensure completion of assigned projects within the specified time and budgetary constraints. The management function encompasses the basic tasks of organizing, staffing, deciding, directing, monitoring, controlling and evaluating all aspects of project formulation and implementation. Summit's West Virginia offices have both the technical capabilities and qualified staff, to efficiently and effectively implement a work plan that has been proven successful on previous AML projects in West Virginia, Kentucky and Virginia.

The team assigned to your projects has worked together on previous occasions, many of which are similar in scope to the upcoming DEP projects. Summit is committed to the allocation of additional personnel and any other required resources that may be necessary to successfully complete your projects in an efficient, timely, professional and cost effective manner.



Project Name	Location	Owner
Twin Branch Portal Abandoned deep mine reclamation, portal/shaft		MAY DED
closure, hydrologic/hydraulic design/evaluation, mine/refuse fire abatement, project specifications, stream restoration. Jim Cantebury, PE Project Manager	Mingo County, WV	WV DEP 601 57th Street, S.E. Charleston, WV 25304
Godby Branch Portal AML Project Drainage Phase II Abandoned deep mine reclamation, portal/shaft closure, hydrologic/hydraulic design/evaluation, project specifications, stream restoration. Jim Cantebury, PE Project Manager	Logan, WV	WV DEP 601 57th Street, S.E. Charleston, WV 25304
Dent's Run Bridge Hydrologic/hydraulic design/evaluation, equipment/structure removal. Jim Cantebury, PE Principle in Charge Mike Hill, PE, Project Manager	Monongalia County, WV	William Henrich, ROW Division WV Dept. of Transportation, Bldg. 5 Charleston, WV 25305
Vanita Stanley Group AML Project Design of Remediation Project Kevin Howard, PE, Project Manager	Pike County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Fedscreek-Mouthcard AML Water Supply Project Phase I & II contracts: Design, bid documents and construction admin for AML water supply project. Funding supplemented with RD,DWSRF & Coal severance funds. 48 miles of 4,6,8,10 & 12" line, 2. MGD plant, 1.0mg tank, 300,000 gal. tank 2 skid tanks over 20,000 gal, 3 booster pump stations and telemetry. Kevin Howard, PE, Project Manager	Pike County, KY	Mountain Water District P.O. Box 3157 Pikeville, KY 41501 (606) 631-9162
Ferrell's Creek AML Groundwater Contamination Study Ground water study of multiple watersheds in Pike Co., KY. Organized as 4 MOAs covering Woodman, PawPaw, Shelby Valley, Straight Hollow and Ferrells Creek. Included 294 AML eligible households. Kevin Howard, PE, Project Manager	Pike County, KY	Mountain Water District P.O. Box 3157 Pikeville, KY 41501 (606) 631-9162
Lula Neece Survey for volume calculations. Steve Haywood, LS, Project Manager	Perry County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 502) 564-2141
Garrett Refuse Survey for volume calculations Steve Haywood, LS, Project Manager	Floyd County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Redwine Inspection of remediation project. Includes 64,500 CY earthwork on 22 acre site, 1,100 tons of soil additive, 3,200 CY of gabion and 3,215 tons of rip rap. Mike Hill, PE, Project Manager	Morgan County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Carter Slide Design of remediation project. 100 LF of pile and lagging wall to protect Frank Carter residence from landslide. Mike Hill, PE, Project Manager	Pike County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141



Chloe Group Design of remediation project. Includes reclamation of 10 acres of distrubance at 7 sites. Work inclues 36,000CY earthwork, 125 LF pile and lagging wall, 17 portal closures, 1,320 CY gabion ditch, and 130 CY gabion wall. Kevin Howard, PE, Project Manager	Pike County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Fouch Drainage Design of remediation project. Two acre slide behind Fouch and Tiller residences. Includes 1,100 CY earthwork, 500 CY gabion retaing wall, and 300 LF storm drain system. Kevin Howard, PE, Project Manager	Pike County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Stanley Slide Design and inspection of remediation project. Project involved 400 CY of gabion retaining wall and 2,000 CY earthwork behind Stanley home. Kevin Howard, PE, Project Manager	Pike County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Davella Slide II Design of remediation project. Project consisted of stabilizing a half-acre landslide threatening a grave by material removal. Kevin Howard, PE, Project Manager	Martin County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Job Project Design of remediation project. Project included three sites. The project involved silt pond elimination, slide stabilization by restraint and slide stabilization by removal. Kevin Howard, PE, Project Manager	Martin County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Manton II Design of remediation project. Project consisted of stabilizing and re-vegetating three abandoned coal refuse piles. The project involved approximately 10 acres of disturbance. Kevin Howard, PE, Project Manager	Floyd County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Little Fork Project-Phase I Design of remediation project that included a two-acre landslide behind Turner Robinson home to be stripped to rock. Work includes 33, 677 CY earthwork, 250 LF pipe, 1,000 CY gabion ditch, and seven (7) mine portal closures. Kevin Howard, PE, Project Manager	Pike County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Ashcamp Project Design and resident inspection of remediation project. Includes 200 LF of 6" RCP, 500 LF lined ditch, and silt pond removal. Jack Sykes, PE, CEO, Project Manager	Pike County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141
Winns Branch Project Design and resident inspection of remediation project. Project stabilization of 0.5 acre slide adjacent to a home. Kevin Howard, PE, Project Manager	Pike County, KY	KY Division of Abandoned Mine Lands 2521 Lawrenceburg Road Frankfort, KY 40601 (502) 564-2141



	NE CONTRACTOR	KY Division of Abandoned Mine Lands
Johns Creek Silt Pond	Morgan County, KY	3 ' '
Design for correcting a 10 acre slide, removal of a silt		2521 Lawrenceburg Road
pond and associated diversion channels.		Frankfort, KY 40601
Mike Hill, PE, Project Manager		(502) 564-2141
Ferguson Slide Project	Pike County, KY	KY Division of Abandoned Mine Lands
Design of remediation project. Includes 1 acre of		2521 Lawrenceburg Road
general reclamation and a gabion retaining wall.		Frankfort, KY 40601
Jack Sykes, PE, CEO, Project Manager		(502) 564-2141
Pike / Floyd Project	Pike County, KY	KY Division of Abandoned Mine Lands
Design of remediation project.		2521 Lawrenceburg Road
Jack Sykes, PE, CEO, Project Manager		Frankfort, KY 40601
34011 0 3/103/1 2/ 1 2 4/11 3/11		(502) 564-2141
McDowell Slides Project	Floyd County, KY	KY Division of Abandoned Mine Lands
Design of remediation project. Three slides corrected	, , , , , , , , , , , , , , , , , , ,	2521 Lawrenceburg Road
by combination of re-grading and material removal.		Frankfort, KY 40601
Mike Hill, PE, Project Manager		(502) 564-2141
Wike Hill, P.E., Floject Mariager		(552) 551 2111
Lane Branch Slide Project	Floyd County, KY	KY Division of Abandoned Mine Lands
	1 loya Goality, 101	2521 Lawrenceburg Road
Design of remediation project. Thirteen-acre slide was		Frankfort, KY 40601
stabilized by material removal.		(502) 564-2141
Mike Hill, PE, Project Manager		(302) 304-2141
	Dilla Carrette IVV	KY Division of Abandoned Mine Lands
Hellier Refuse Phase III	Pike County, KY	2521 Lawrenceburg Road
Design and resident inspection of remediation project		
involving twenty acres of coal refuse reclaims. Twelve		Frankfort, KY 40601
portals were also closed.		(502) 564-2141
Mark Sanders, PE, Project Manager		Leve Park 1 1 Add and a district books
BJ&C	Pike County, KY	KY Division of Abandoned Mine Lands
Design and resident inspection of remediation project.		2521 Lawrenceburg Road
Ten -acre slide was stabilized by re-grading.		Frankfort, KY 40601
Kevin Howard, PE, Project Manager		(502) 564-2141
		No. 11 Pr. Of Pr. 11 Pr. 12 Pr
460 Portals	Buchanan County, VA	Virginia Div. Of Mined Land Reclamation
Project included closing of six (6) abandoned mine		
openings.		
Jack Sykes, PE, CEO, Project Manager		
Lee Mining	Martin County, KY	KY Division of Abandoned Mine Lands
Design and resident inspection for abandoned contour		2521 Lawrenceburg Road
mine site with steep and eroding outslopes.		Frankfort, KY 40601
Kevin Howard, PE, Project Manager		(502) 564-2141
The state of the s		
Ashland M & D	Martin County, KY	KY Division of Abandoned Mine Lands
Design and resident inspection for three (3) abandoned	••	2521 Lawrenceburg Road
mountaintop removal sites totaling approximately 112		Frankfort, KY 40601
acres. Includes 10 separate slides totaling 33 acres		(502) 564-2141
Jack Sykes, PE, CEO, Project Manager		
Fletcher Ridge Subsidence Project	Russell County, VA	Virginia Division of Mined Land Reclamation
Evaluation and determination of the extent of potential	raccon oddiny,	J
subsidence on a residence. Initiation of plans and		

specifications to correct and stabilize problem.		
Jack Sykes, PE, CEO, Project Manager		



Sizemore Landslide Project	Russell County, VA	Virginia Division of Mined Land Reclamation
Initiation of preparation of plans & specifications to correct 2 landslides covering approximately 4 acres		
Jack Sykes, PE, CEO, Project Manager		
Hellier Refuse	Pike County, KY	KY Division of Abandoned Mine Lands
Developed plans & specifications for restoring		2521 Lawrenceburg Road
approximately 2900 feet of Marrowbone Creek, &		Frankfort, KY 40601
correct AMD from refuse area.		(502) 564-2141
Kevin Howard, PE, Project Manager		
Roadrunner Mine	Pike County, KY	KY Division of Abandoned Mine Lands
Developed plans for restoration of approximately 600		2521 Lawrenceburg Road
feet of Fords Branch.		Frankfort, KY 40601
Kevin Howard, PE, Project Manager		(502) 564-2141
Virginia Dept. of Mines, Minerals & Energy	Big Stone Gap, VA	Virginia Dept. of Mines, Minerals & Energy
Work involved analysis of surface & groundwater		P.O. Drawer 900
samples collected by Dept. to document water quality		Big Stone Gap, VA 24219
Jack Sykes, PE, CEO, Project Manager		W. i.i. Division of Minard Land Declaration
Dry Hollow Sedimentation Project	Buchanan County, VA	Virginia Division of Mined Land Reclamation
Restored 1930 feet of Conaway Creek near		
Conaway, VA.		
Jack Sykes, PE, CEO, Project Manager	50 0 100	I/V Division of Nhandanad Mina Landa
Hellier Refuse	Pike County, KY	KY Division of Abandoned Mine Lands
Project included demolition of abandoned tipple &		2521 Lawrenceburg Road
removal of abandoned equipment.		Frankfort, KY 40601
Mike Hill, PE, Project Manager		(502) 564-2141

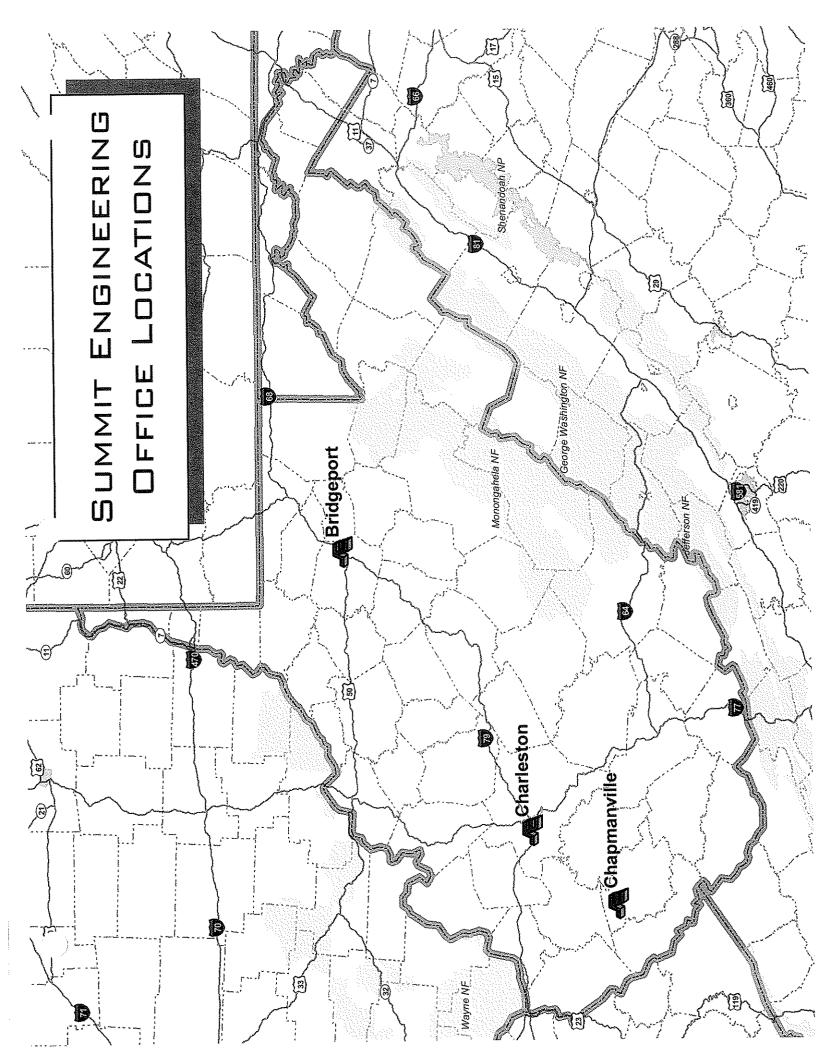


This project would be completed at Summit's Charleston office. The Charleston office has successfully completed two (2) WVAML projects, but at the present time does not have a WVAML project they are designing. The Twin Branch Portals project that Summit's Charleston office designed is very similar in scope as this project. Summit currently has three (3) WV Registered Professional Engineers at the Charleston Office with over thirty five (35) years of coal mining reclamation engineering experience. Mr. Canterbury has personally been involved in the design, bidding and/or construction of over one hundred WV Abandon Mine Lands Projects. This project would be an excellent size project for Summit to complete and show the WV Abandon Mine Lands Section Summit's capabilities.

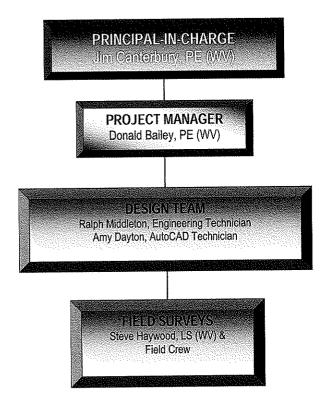
If a US Army Corps of Engineers permit is required to complete this project, Summit has the experience to complete an Army Corps of Engineers permit application and has worked with the Huntington Corps on several mining permit applications.

If awarded this project Mr. Jim Canterbury (PE) will oversee the project with Mr. Don Bailey (PE) being the Project Engineer with Mr. Ralph Middleton (Engineering Technician) and Ms. Amy Dayton (Auto Cad Technician) providing support. Any surveying required will be completed by Summit Engineering. Therefore, Summit will be able to commit qualified resources to completing this project within the required time frame.





Project Team Chart





Project Discussion

The Reynoldsville Refuse project is comprised of 11 different sites. These sites are all in and around the town of Reynoldsville in Harrison County. These locations are approximately two (2) hours from Summit's Charleston office and approximately 20 minutes from Summit's Bridgeport office.

Mr. Don Bailey from our Charleston office visited several of the refuse areas to become familiar with the sites along with the design and construction issues associated with this project. Regarding the sites visited, access will be via gravel roads one to one and a half lanes wide.

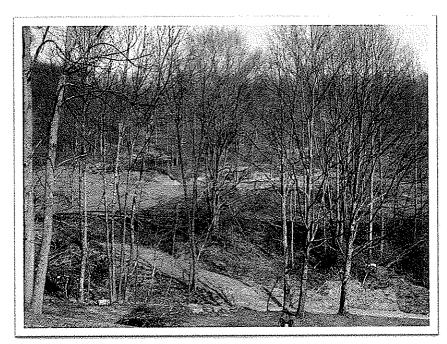
Site 1 is located approximately 0.6 miles up a gravel road after leaving the main paved road. The site is elevated above the gravel road and a creek. It is in close proximity to the Hardman cemetery but should be far enough away for no infringement on the cemetery by construction activities. Site 1 is covered in light growth in spots but is largely open. It appeared to be largely free of foreign materials on the surface. While walking the site, Mr. Bailey observed a gas well approximately 200-300 feet from the center of the site.

Site 2 is located just off of the main road with the base being approximately 100 feet away. This site is a sizeable refuse are located in a valley. The top can be accessed by a single lane gravel road around the side and back of the site. Site 2 is largely uncovered and exposed. Mr. Bailey observed power lines running across the face approximately 1/3 the way up. This will require provisions for and coordination with the local power company during work activities. There is also a gas line near the hard turn in the road on the side of the site. The face of the refuse pile revealed some trees and stumps contained within. Mr. Bailey also noticed coloration in some of the runoff from the back side of the refuse pile that ranged from largely orange to brown with swirls indicating a potential need for water quality control on this site.

Site 3 is located approximately one-half mile off the main road up a hill that transitions from a one and a half lane paved road to a gravel road of similar width. Access to this site passes two residential structures and a cemetery within close proximity to the road. A gate currently blocks access to the site. Mr. Bailey sited a gas meter within 30' of the toe of the refuse pile and a gas well immediately at the top of the face. It appears that the gas line runs through the middle of the face and will require coordination with the owning gas company prior to and during work phases. This site contains foreign materials (e.g. concrete and steel) and four (4) structures of varying size that will require demolition and removal. Mr. Bailey noticed a small marshy area at the top of the fill and seepage from the toe indicating drainage could be an issue throughout the project possibly requiring a series of channels and/or underdrains to divert surface water and mine drainage safely off site. Access to the top is sufficiently provided by an earthen road which appears to wide enough for heavy equipment and trucks.

As detailed from Mr. Bailey's site visits and the information provided in the "Expression of Interest" packet, this project will require a detailed set of plans specific to each site. Summit understands the major components of engineering for these sites will include 1)providing design plans and specifications for the project areas; 2) designing for regrading and stability of the refuse areas; 3) designing drainage channels and/or underdrains to divert surface water and mine drainage safely off site; 4) providing design for soil cover over the regraded refuse area and other disturbed areas; 5) designing wet mine seals and/or bat gates for the open deep mine portals; 6) designing for demolition and removal of existing structures, garbage, and debris; 7) designing for stream bank protection; 8) providing revegetation standards for all disturbed areas; 9) providing estimated quantities; 10) preparing cost estimates; and 11)having the preliminary design documents ready within 60 days from issuance of a Purchase Order.



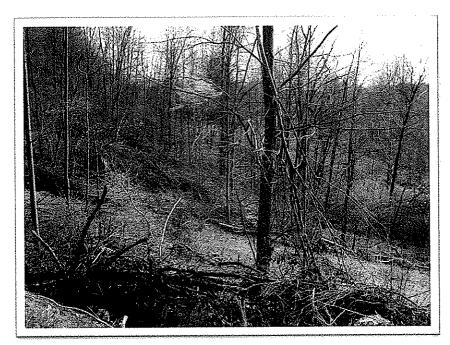


SITE 1

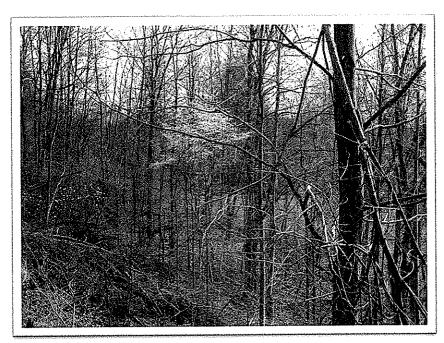


SITE 1





SITE 1

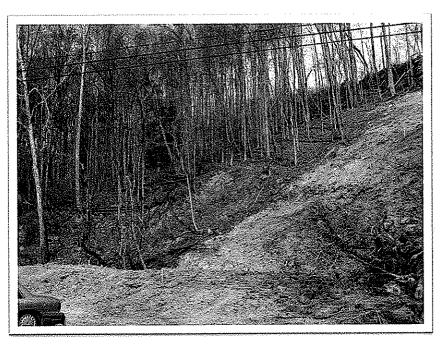


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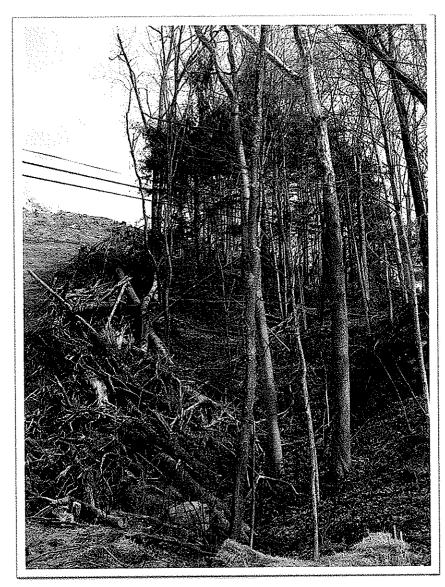


SITE 2



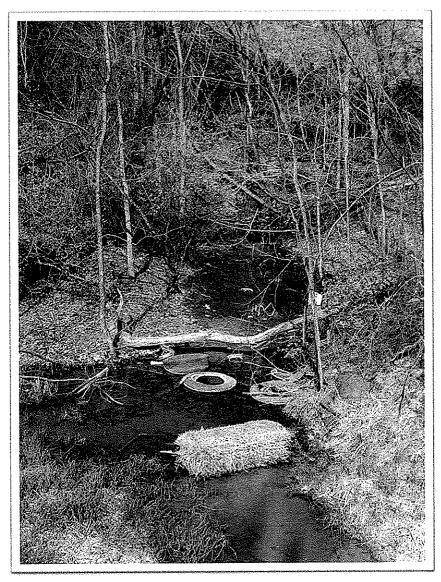
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SITE 2





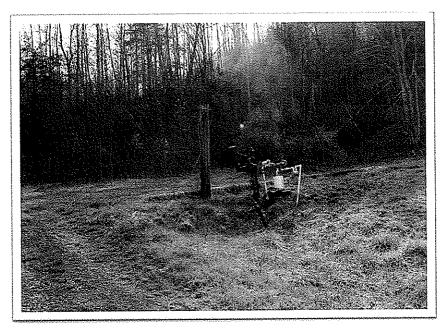
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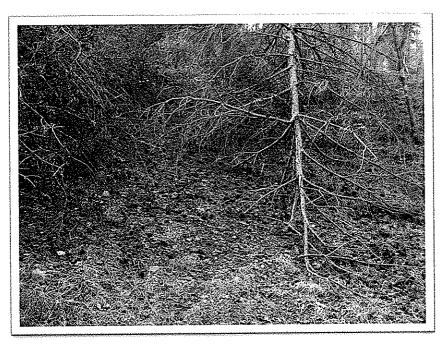


SITE 2





SITE 3



SITE 3





SITE 3

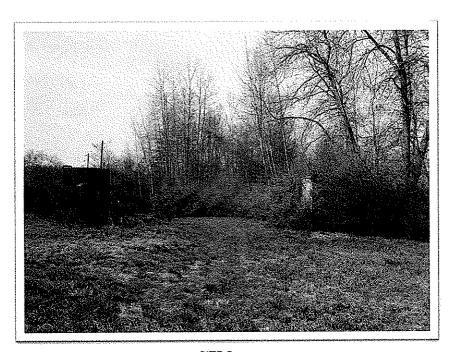


SITE 3





SITE 3



SITE 3





SITE 3



SITE 3



CONFIDENTIAL CONSULTANT QUALIFICATION QUESTIONNAIRE

(Disadvantaged Business Enterprise) YES X NO STRUCTURAL ENGINEERS TRAFFIC ENGINEERS 111 TOTAL PERSONNEL 6a. WV REGISTERED DBE 8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS I.D. Elkins, Office Manager (304) 855-5691 FORMER FIRM NAME 9 SURVEYORS 47 OTHER 7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE ANT CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE WEST VIRGINIA DEPARTMENT OF ANTRONMENTAL PROTECTION 61-0991104 Byrd Copley, Office Manager (276) 530-7220 PLANNERS, URBAN/REGIONAL LANDSCAPE ARCHITECTS MECHANICAL ENGINEERS PHOTOGRAMMETRISTS SANITARY ENGINEERS 20 MINING ENGINEERS TOTAL NUMBER OF WY REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 3 SOILS ENGINEERS 2. HOME OFFICE BUSINESS ADDRESS 400 Allen Drive, Suite 100 Charleston, WV 25302 Individual X Corporation SPECIFICATION Partnership Joint-Venture *RPEs other than Civil and Mining must provide supporting documentation that qualifies them to 6. TYPE OWNERSHIP 400 Allen Drive, Suite 100, Charleston, WV 25302/(304) 342-1342/ James Canterbury, PE/10 Personnel WRITERS Not Applicable NO X DATE (DAY, MONTH, YEAR) 10. HAS THIS JOINT VENTURE WORKED TOGETHER BEFORE? □ YES **ELECTRICAL ENGINEERS** ENVIRONMENTALISTS 18 May 2010 5. ESTABLISHED(YEAR) HYDROLOGISTS 8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM 1977 Kevin M. Howard, P.E., L.S. ECONOMISTS ESTIMATORS S GEOLOGISTS __HISTORIANS ECOLOGISTS Phillip Lucas, P.E., L.S. Mike Hill, P.E., L.S.I.T. Tracy Goff, P.E. supervise and perform this type of work. DEP14992 – Reynoldsville Refuse Design 1 CONSTRUCTION INSPECTORS 9. PERSONNEL BY DISCIPLINE Summit Engineering, Inc. 4. HOME OFFICE TELEPHONE L CHEMICAL ENGINEERS Mark David Sanders, P.E. 14 CADD OPERATORS 11 CIVIL ENGINEERS David Rasnick, P.E., L.S. 5 ADMINISTRATIVE 2 ARCHITECTS 304) 342-1342 James S. Canterbury, PE Jack C. Sykes, P.E., L.S. FIRM NAME Steve Tackett, P.E. DRAFTSMEN PROJECT NAME 7 DESIGNERS 3_BIOLOGIST

D. Attach "AMI. Consultant Confidential Qualification

11. OUA E KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED/TO BE Onestionnaire?

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		No

Our services induced mining parties. Relations projects in ANAL, water time projects to our 29 years of service to the various industries, public and private clients we serve. NO We perform continue services such as slope stability analyses and small retaining wall design. We utilize sub- consultants for exploration and detailed analysis such as corsolidation, liquelaction, etc. Number of Projects is well over 100 as we do soil analysis for many of our mining clients as well as for stream bank stabilization and environmental projects. NO Summit designs have primarily addressed the control, treatment, and diversion of surface and ground water. Summit has designed well over 100 projects involving hydrology and hydraulies. NO Does your firm produce it cown Archit Photography and Develop Controur Mapping? YES Description and Number of Projects. We develop contour maps by field survey for sites up to 50 acres. Number of our 100 as we do mapping for all mining and evid engineering and surveying clients. NO Is your firm experienced in domestic waterine design? (Include any experience voir firm has in evaluation of squiffer degradation as a result of mining.) YES Description and Number of Projects: Summit's civil engineering division has over 30 years of experience with domestic waterline design. NO Is your firm experienced in Acit Mine Deninage Evaluation and Abatement Design? NO Is your firm experienced in Acit Mine Deninage Evaluation and Abatement Design? NO Summit's civil engineering this about doing mining permits for 30 years of experience with domestic waterline design. NO Is your firm experienced in Acit Mine Deninage Evaluation and Abatement Design? NO Summit's civil engineering this about doing mining permits for 30 years and has addressed acid mine drainage in each of those. As a firm we have only completed one project that directly mitigated acid mine drainage.		/ firm experienced in Abandoned Mine Lands Remediation/Mine Reclamatic
Syour firm experienced in Soil Analysis?		Our services include mining permits, reclama mining, surveying and environmental divisions. service to the various industries, public and priv.
We perform routine services such as slope stability analyses and small teraining wall design. We utilize sub- consistents for exploration and detailed analysis such as consolidation, liquefaction, etc. Number of Projects is well over 100 as we do soid analysis for many of our mining clients as well as for stream bank stabilization and NO Is your firm experienced in hydrology and hydraulics? VES Description and Number of Projects: Summit designed were 100 projects involving hydrology and hydraulics. NO Does your firm produce its own Aerial Photography and Develop Contour Mapping? VES Description and Number of Projects: We develop contour maps by field survey for sites up to 50 acres. We utilize sub-consultants for mapping by aerial photogrammetry for sites larger than 50 acres. Number of projects is well over 100 as we do mapping for all mining and civil engineering and surveying clients. NO Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation and Number of Projects: Summit's civil engineering division has over 30 years of experience with domestic waterline design. NO Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design? NO Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design? NO Is your firm we have only completed one project that directly mittgated acid mine drainage in each of those. As a firm we have only completed one project that directly mittgated acid mine drainage.		Is your firm experienced in Soil Analysis? YES Description and Number of Projects:
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13. PE, NAL HISTORY STATEMENT OF PRINCIPALS	AND ASSOCIATES RE	NSIBLE FOR AML PROJECT DESIGN (Furnish complete	h complete
NAME & TITLE (Last, First, Middle Int.) YEARS James S. Canterbury, Partner/Office Manager	RS OF AML DESIGN EXPERIENCE:	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 22	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0
Brief Explanation of Responsibilities Partner, Branch Office Manager Mr. Canterbury's responsibilities include managing day-to-day activities of the office and staff. Responsibilities also include obtaining and assisting in the preparation of coalmining permits, invoicing, performing accounts receivable, assisting clients, and working with regulatory agencies.	hay activities of the office and staff. Rassisting clients, and working with reg	esponsibilities also include obtaining and a ulatory agencies.	ssisting in the preparation of coal-
EDUCATION (Degree, Year, Specialization) B.S. – (1975) Civil Engineering – West Virginia Institute of Technology M.S. – (1979) Business Administration – Marshall University	Technology ty		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, Year, State) P.E.: WV (1977), KY (1979), PA (1998)	
13 PERSONAL HISTORY STATEMENT OF PRINCIPALS data but keep to essentials)		AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete	rnish complete
fiddle Int.)	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 19	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0
Brief Explanation of Responsibilities Mr. Lucas joined Summit Engineering in 1992 and presently serves as Vice-President and Partner in the firm. Mr. Lucas has oversight responsibility in the Pikeville, KY, Hazard, KY, and Charleston, WV Offices. He is presently responsible for design and design supervision of deep mines, surface mines, refuse impoundments, and construction related projects.	ntly serves as Vice-President and Par y responsible for design and design su	992 and presently serves as Vice-President and Partner in the firm. Mr. Lucas has oversight responsibility in the Pikeville, KY, He is presently responsible for design and design supervision of deep mines, surface mines, refuse impoundments, and construction	responsibility in the Pikeville, KY, use impoundments, and construction
EDUCATION (Degree, Year, Specialization) B.S. – (1976)- Civil Engineering, Mining Option - University M.S. – (1997) - Mining Engineering - University of Kentucky	ity of Kentucky ky		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS Kentucky Society of Professional Engineers National Society of Professional Engineers		REGISTRATION (Type, Year, State) P.E. (1991) KY, (1991) VA, (1991) WV L.S. (1993) KY, (1996) VA, (1996) WV	

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

American Institute of Mining Engineers

NAMEITLE (Last, First, Middle Int.)	VITARIO OF ANT PROICE EVDEDIENCE.	VEADS OF AMT DET ATED DESIGN	VEADS OF DOMESTIC
J.D. Elkins, Partner/Office Manager	YEARS OF AML DESIGN EAFERIENCE:	TEAKS OF AMIL KELATED DESIGN EXPERIENCE: 4	MATERLINE DESIGN EXPERIENCE: 2
Brief Explanation of Responsibilities Mr. Elkins has over twelve years experience in the layout, design, and implementation of surface and underground mining and reclamation projects. Experience includes mine planning; reserve/depletion studies; design of dams, roadways, and fill areas, reclamation plans; re-vegetation/reforestation schedules; feasibility/forecast studies; construction and reclamation supervision; and property management. Mr. Elkins' duties include supervision of a complete office staff of project engineers, technicians, draftsmen, and clerical personnel.		in, and implementation of surface and underground mining and reclamation projects. Experience includes mine and fill areas; reclamation plans; re-vegetation/reforestation schedules; feasibility/forecast studies; construction Elkins' duties include supervision of a complete office staff of project engineers, technicians, draftsmen, and	on projects. Experience includes mine sasibility/forecast studies; construction engineers, technicians, draftsmen, and
EDUCATION (Degree, Year, Specialization)			
B.S. (1990) Industrial Engineering Technology Undergraduate Courses (198601987) Mining Engineering	ering		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	TIONS	REGISTRATION (Type, Year, State)	
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NAME & 111LE (Last, First, Middle Int.) David F. Rasnick, Vice President/Partner	YEARS OF AML DESIGN EXPERIENCE: 22	YEARS OF AML RELATED DESIGN EXPERIENCE: 22	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0
Brief Explanation of Responsibilities Mr. Rasnick joined Summit Engineering after graduation from the University of Kentucky in 1978. He is currently Vice-President of the firm and oversees projects in West Virginia, Kentucky and Virginia. He has been responsible for the design of surface mine operations, deep mine layouts, mineral reserve studies, mine reclamation projects, railroad design and layout, refuse fill design, property surveys, the layout of water monitoring programs, topographic mapping projects, construction supervision and Geotechnical exploration projects.	uation from the University of Kentucky in I ponsible for the design of surface mine openperty surveys, the layout of water monit	the University of Kentucky in 1978. He is currently Vice-President of the firm and oversees projects in West the design of surface mine operations, deep mine layouts, mineral reserve studies, mine reclamation projects, ys, the layout of water monitoring programs, topographic mapping projects, construction supervision and	he firm and oversees projects in West ve studies, mine reclamation projects, rojects, construction supervision and
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B.S (1977)- Civil Engineering - University of Kentucky	ucky		
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B.S. Mathematics, West Virginia Institute of Technology (1975) B.S. Mathematics, West Virginia Institute of Technology (1975) MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS MEMBERSHIP IN PROFESSIONAL O	Brief Explanation of Responsibilities Mr. Akers' responsibilities include interacting with m	nining clients, the WVDEP and Summit staff	to prepare and obtain approval of all type	ss of Article 3 and NPDES permits.
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13 PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but leep to essentials) NAME & TITLE (Last, First, Middle but.) YEARS OF EXPERIENCE: 1 Brief Explanation of Responsibilities M. Bailey, P. E. Brief Explanation of Responsibilities include interacting with mining clients, the WVDEP and Summit staff to prepare and obtain approval of all types of Article 3 and NPD B. S. Civil Engineering, West Virginia University Institute of Technology (2003) REGISTRATION (Type, Year, State) P. E. WV (2009)	MEMBERSHIP IN PROFESSIONAL ORGANIZAT Society of Petroleum Engineers Virginia Oil and Gas Association Kentucky Oil and Gas Association	ITONS	REGISTRATION (Type, Year, State) P.E.: KY (1982), WV (1982)	
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Brief Explanation of Responsibilities Mr. Bailey's responsibilities include interacting with mining clients, the WVDEP and Summit staff to prepare and obtain approval of all types of Article 3 and NPD EDUCATION (Degree, Year, Specialization) B.S.: Civil Engineering, West Virginia University Institute of Technology (2003) MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS P.E. WV (2009)	NAME & TITLE (Last, First, Middle Int.) Donald Bailey, P.E.	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 1	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0
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	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE.	YEARS OF DOMESTIC WATERI INE DESIGN
Kevin M. Howard, Vice President/Partner	12	12	EXPERIENCE: 25
Brief Explanation of Responsibilities Mr. Howard is responsible for most of Summit's civil engineering related design projects. Mr. Howard's projects have included roadways, shopping centers, hydrologic impact statements, sanitary and storm sewers, lift stations, municipal water system and channel change designs.	engineering related design projects. Mr. Ho micipal water system and channel change de	ward's projects have included roadways, sh.	opping centers, hydrologic impact
EDUCATION (Degree, Year, Specialization)			
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			AND
13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AMI. PROJECT DESIGN (Furnish complete data but keep to essentials)	CTPALS AND ASSOCIATES RESPONSI	BLE FOR AMI PROJECT DESIGN (Fu	rnish complete
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
Jack C. Sykes, P.E., L.S.	41	14	EXPERIENCE: 30

mapping, earth fill designs, mineral reserve evaluation, preparation of mine plans, design of coal handling facilities, mine permitting, mine land reclamation, land surveying, and Mr. Sykes has been a principal and President of Summit Engineering, Inc. since its establishment in October 1977. He has performed technical review and been in the position of responsible person in charge for many projects handled by the firm. Some of the projects Mr. Sykes has been associated with have included forecasts and feasibility studies, residential and commercial development, construction supervision, roadway design, design of water and wastewater handling and treatment facilities, control surveying and Brief Explanation of Responsibilities golf course design.

EDUCATION (Degree, Year, Specialization)
B.S. (1973) Civil Engineering, University of Kentu

B.S. (1973) Civil Engineering, University of Kentucky M.S. (1975) Civil Engineering, University of Kentucky

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
Kentucky Society of Professional Engineers
National Society Professional Engineers
Institute of Transportation Engineers
Coal Operators and Associates

REGISTRATION (Type, Year, State)
P.E.: WV (1978), KY (1977), VA (1977), TN(1979),
IN (1985), OH (1986)
L.S.: WV (1995), KY (1980)

DESIGN SERVICES

Dell Optiplex GX280 with Dell 19" fp monitor
Dell Optiplex GX620 with Dell 19" monitor
Dell Optiplex GX620 with HannG 19" fp monitor
Dell Optiplex GX620 with HannG 19" fp monitor
Dell Precision 490 Workstation with 1907 fp monitor

Dell Optiplex PC with HannG 19" fp monitor Dell Precision 490 Workstation with 1907 fp monitor Dell Optiplex 320 with e197 fp monitor

Dell Optiplex 320 with e197 fp monitor Gateway e-series pc with HannG 19" fp monitor Dell Dimension 4100

Dell Dimension 4100

Printers / Peripherals

Canon Network/Workgroup Printer/Copier/Fax HP LaserJet 4050N Network Printer HP DeskJet 855 Cse Printer

HP DesignJet 1050C Network Plotter CalComp Digitizer HP Scanjet 4470 Scanner HP Officejet Pro 8500 Printer HP LaserJet 1200 Printer Xerox Phaser 3160 Color Network Printer

Engineering Software:

Reame 2004 Sedcad Autodesk Map2007 Autodesk AutoCad 2007

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PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Antietam Mine Article 3, 401 & NPDES Permits Webster County, WV	Brooks Run Mining Company, LLC 25 Little Birch Road Sutton, WV 26601	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	75%
Coal Mountain No. 1 Surface Mine Amendment No.1 Article 3 & NPDES Permits Wyoming county, WV	Dynamic Energy Corporation P.O. Box 1085 Beckley, WV 25801	Dynamic Energy Corporation P.O. Box 1085 Beckley, WV 25801	Design and Permitting Only	85%
Coal Mountain No. 1 Surface Mine Amendment No.2 Article 3 & NPDES Permits Wyoming county, WV	Dynamic Energy Corporation P.O. Box 1085 Beckley, WV 25801	Dynamic Energy Corporation P.O. Box 1085 Beckley, WV 25801	Design and Permitting Only	30%
Ramp Run Haul Road Article 3 & NPDES Permits Nicholas County, WV	Terry Eagle Coal Company P. O. Box 180 Bickmore, WV 25019	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	%06
Beartown Surface Mine Article 3, 401 & NPDES Permits Wyoming County, WV	Kentucky Fuel Corporation P. O. Box 2178 Beaver, WV 25813	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	65%
Barkers Ridge Surface Mine Article 3, 401 & NPDES Permits Wyoming County, WV	Kentucky Fuel Corporation P. O. Box 2178 Beaver, WV 25813	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	30%
Clear Fork No. 1 Surface Mine Article 3 & NPDES Permits Nicholas County, WV	Atlantic Leaseco, LLC 702 Professional Park Drive, Suite D Summersville, WV 26651	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	%08
Sumter Deep Mine Article 3, 401 & NPDES Permits Braxton, County, WV	Brooks Run Mining Company, LLC 25 Little Birch Road Sutton, WV 26601	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	95%
TOTAL NUMBER OF PROJECTS:	esta un decembrate de la constant de	TOTAL ESTIMATED CONSTRUCTION COSTS:	UCTION COSTS:	
9 (this page)	page)		N/A	

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD (BE SURE TO LIST ALL WYDEP PROJECTS).

acilities mits s. Mine mits	OWNER	RESPONSIBILITY	CONSTRUCTION COST	
	9	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	35%
Wyoming County, WV Beckley, WV 25801		Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	55%
Ramp Run No. 2 Amendment Article 3 & NPDES Permits P. O. Box 180 Nicholas County, WV Bickmore, WV 25019	pany	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	%06
Jackson Bridge No.2 Deep Mine Article 3 & NPDES Permits 25 Little Birch Road Webster County, WV	Company, LLC	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	25%
McDonald Fork Surface Mine Article 3 & NPDES Permits Wyoming Co., WV Beckley, WV 25801	l Mining, Inc. 5801	Design, submit, make corrections to and obtain approval of all the permit applications.	Design and Permitting Only	20%
Antietam Mine US Army Corps of Engineers 404 Individual Permit Webster County, WV	Company, LLC	Design, submit, make corrections to and obtain approval of USACE 404 IP Permit and Stream Mitigation Plan	Design and Permitting Only	20%
Sumter Deep Mine US Army Corps of Engineers 404 Individual Permit Braxton, County, WV	Company, LLC	Design, submit, make corrections to and obtain approval of USACE 404 IP Permit and Stream Mitigation Plan	Design and Permitting Only	20%
Barkers Ridge Surface Mine US Army Corps of Engineers 404 Individual Permit Wyoming County, WV	Corporation 813	Design, submit, make corrections to and obtain approval of USACE 404 IP Permit and Stream Mitigation Plan	Design and Permitting Only	%08
TOTAL NUMBER OF PROJECTS: 8 (this page)		TOTAL ESTIMA	TOTAL ESTIMATED CONSTRUCTION COSTS: N/A	

15. CURRE. ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINE.	H YOUR FIRM IS THE DESIGNATE!	D ENGINE OF RECORD		
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Beartown Surface Mine US Army Corps of Engineers 404 Individual Permit Wyoming County, WV	Kentucky Fuel Corporation P. O. Box 2178 Beaver, WV 25813	Design, submit, make corrections to and obtain approval of USACE 404 IP Permit and Stream Mitigation Plan	Design and Permitting Only	90%
Boone County Schools Stormwater Permit Boone, County, WV	Boone County Schools 69 Avenue B Madison, WV 25130	Design stormwater runoff and obtain permit for school bus parking area	Design and Permitting Only	75%
TOTAL NUMBER OF PROJECTS: 2 (this pa	SCTS: 2 (this page)/19 Total Projects	TOTAL ESTIMATE	TOTAL ESTIMATED CONSTRUCTION COSTS: \$ N/A	

	ESTIMATED CONSTRUCTION COST	OJECT YOUR FIRMS RESPONSIBILITY				
NONE	ESTIN	ENTIRE PROJECT				
.dltant to others	ESTIMATED COMPLETION DATE					
16. CURACINT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONDUCTANT TO OTHERS	NAME AND ADDRESS OF OWNER	- Section of the sect				
ON WHICH YOUR FIRM IS	NATURE OF FIRMS RESPONSIBILITY					
16. CURAMIN ACTIVITIES	PROJECT NAME, TYPE AND LOCATION	, and a	N/A			

17 COMPLETED WORK WITHIN LAST	S YEARS ON WHICH YOUR FIRM WAS 1	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)
Twin Branch Portal – AML Project Mingo County, WV	WV DEP 601 57th Street, S.E. Charleston, WV 25304	\$512,000	2005	Yes
Godby Branch Portal AML Project Drainage Phase II Logan, WV	WV DEP 601 57 th Street, S.E. Charleston, WV 25304	\$75,000	2005	Yes
Georges Creeks Surface Mine US Army Corps of Engineers 404 Individual Permit Logan County, WV	Highland Mining Company P. O. Box 1097 Holden, WV 25625	Design and Permitting Only	2005	Yes
Camp Branch Surface Mine US Army Corps of Engineers 404 Individual Permit Logan County, WV	Aracoma Coal Company P. O. Box 1120 Holden, WV 25625	Design and Permitting Only	2005	Yes
O'Brien No. 2 Surface Mine Article 3 and NPDES Permits Webster County, WV	ICG Eastern, LLC P. O. Box 1019, Rt. 82 West Cowen, WV 26206	Design and Permitting Only	2005	Yes
Brandy Station Mine Article 3 and NPDES Permits USACOE 404 IP Webster County, WV	Brooks Run Mining Company, LLC 25 Little Birch Road Sutton, WV 26601	Design and Permitting Only	2005	No
Cove Mountain Deep Mine Article 3 and NPDES Permits USACOE 404 IP Webster County, WV	Brooks Run Mining Company, LLC 25 Little Birch Road Sutton, WV 26601	Design and Permitting Only	2005	No
Big Creek No. 2 Amendment Article 3 and NPDES Permits Fayette County, WV	Appalachian Fuels, LLC 1500 N. Big Run Rd. Ashland, KY 41102	Design and Permitting Only	2005	Yes
Berkeley County Industrial Park Access Road Road Design Berkeley County, WV	WV Dept. of Transportation Bldg. 5, Room 603 1900 Kanawha Blvd., E Charleston, WV 25305-0430	Design Only	2005	Yes

17. COMPLETED WORK WITHIN LAST 5 YEARS ON W	7 YEARS ON WHICH YOUR FIRM WAS I	VHICH 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)
Horsepen Alma "C" Deep Mine Article 3 and NPDES Permits Logan County, WV	Mingo Logan Coal Company P. O. Box 40 L Wharncliffe, WV 25651	Design and Permitting Only	2005	Yes
Guyandotte Slope Mine Article 3 and NPDES Permits Wyoming County, WV	Road Fork Development Company, Inc. P. O. Box 565 Matewan, WV 25678	Design and Permitting Only	2005	Yes
Casey Creek No. 1 Surface Mine Article 3 and NPDES Permits USACOE 404 IP Boone County, WV	Hillside Mining Company P. O. Box 1189 Charleston, WV 25324	Design and Permitting Only	2006	No
Saylors A & B Deep Mines Article 3 and NPDES Permits Webster County, WV	Brooks Run Mining Company, LLC 25 Little Birch Road Sutton, WV 26601	Design and Permitting Only	2006	Yes
Boone North No. 3 Surface Mine Article 3 and NPDES Permits Boone County, WV	Raven Crest Contracting, LLC P. O. Box 1200 Robinson Creek, KY 41560	Design and Permitting Only	2006	Yes
Mountain Laurel Complex US Army Corps of Engineers 404 Individual Permit Logan County, WV	Mingo Logan Coal Company 1000 Mingo Logan Avenue Wharncliffe, WV 25657	Design and Permitting Only	2006	Yes
Guyandotte Slope Mine - SCP Article 3 and NPDES Permits Wyoming County, WV	Road Fork Development Company, Inc. P. O. Box 565 Matewan, WV 25678	Design and Permitting Only	2006	Yes
Mountain Laurel Upper Coalburg Deep Mine Article 3 and NPDES Permits Boone & Logan Counties, WV	Mingo Logan Coal Company P. O. Box E Sharples, WV 25651	Design and Permitting Only	2006	Yes
Highland Middle Coalburg Deep Mine Article 3 and NPDES Permits Logan County, WV	Highland Mining Company P. O. Box 1097 Holden, WV 25625	Design and Permitting Only	2006	Yes
CO TOTAL CONTROL CONTR				

17. COMPLETED WORK WITHIN LAST 5 YEARS ON W	5 YEARS ON WHICH YOUR FIRM WAS	VHICH 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)
Calvin Branch Surface Mine Article 3 and NPDES Permits Logan County, WV	Apogee Coal Company, LLC HC61 Box 156 Yolyn, WV 25654	Design and Permitting Only	2006	Yes
Moccasin Hollow Deep Mine Article 3 and NPDES Permits Boone County, WV	Catenary Coal Company, LLC 5914 Cabin Creek Rd Eskdale, WV 25075	Design and Permitting Only	2007	No
Tenmile Fork Deep Mine Article 3 and NPDES Permits Kanawha County, WV		Design and Permitting Only	2007	No
Bridge Fork West Amendment Article 3 and NPDES Permits Fayette County, WV	Powellton Coal Company P. O. Box 158 Bickmore, WV 25019	Design and Permitting Only	2007	Ν̈́ο
Falling Rock Deep Mine Article 3 & NPDES Permits Boone County, WV	Raven Crest Contracting, LLC P.O. Box 1200 Robinson Creek, KY 41560	Design and Permitting Only	2007	No
Mountaineer II Deep Mine SCP Article 3 and NPDES Permits Logan County, WV	Mingo Logan Coal Company P. O. Box E Sharples, WV 25651	Design and Permitting Only	2007	Yes
Rich Fork Surface Mine Article 3 & NPDES Permits Boone County, WV	Raven Crest Contracting, LLC P.O. Box 1200 Robinson Creek, KY 41560	Design and Permitting Only	2007	No.
Seven Pines Amendment Article 3 & NPDES Permit Webster County, WV	Brooks Run Mining Company, LLC 25 Little Birch Road Sutton, WV 26601	Design and Permitting Only	2007	No
Rich Fork Surface Mine US Army Corps of Engineers 404 Individual Permit Boone County, WV	Raven Crest Contracting, LLC P.O. Box 1200 Robinson Creek, KY 41560	Design and Permitting Only	2008	No

	CONSTRUCTED (YES OR NO)	No	ON	Yes				
	YEAR	2009	2009	2009	**************************************			The state of the s
17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD	ESTIMATED CONSTRUCTION COST	Design and Permitting Only	Design, submit, make corrections to and obtain approval of all the permit applications.	\$250,000.00				
I S YEARS ON WHICH YOUR FIRM WAS	NAME AND ADDRESS OF OWNER	Raven Crest Contracting, LLC P.O. Box 1200 Robinson Creek, KY 41560	Brooks Run Mining Company, LLC 25 Little Birch Road Sutton, WV 26601	Martinsburg Baptist Church 315 W. King Street Martinsburg, WV 25401				
17. COMPLETED WORK WITHIN LAST	PROJECT NAME, TYPE AND LOCATION	Boone North No. 3 Surface Mine Article 3 & NPDES Permits Boone County, WV	Jackson Bridge Deep Mine Article 3 & NPDES Permits Webster County, WV	Martinsburg Baptist Church Site Layouts and Permits Martinsburg, WV				

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PRIMARY STAFE PARTICIPATION CAPACITY TO ME Management PEProfessional	uotal	Don Bailey Raiph Midd		d d	2 H	4	<u>0.</u>	d d	a a	B. P.	d
PRIMARY STAFI	, Anno Anngetsyle	Geotecninic		X M.P. P. P	M.P. P.	d d W	X M.P. P.	X M.P. P. P	X M.P. P	d d W	d d'W X
MENTS	onipadsiji juleur juleur	Replacement Construction Management Water Iteas Equipment Removal		×		×			×	×	
PROJECT EXPERIENCE REQUIREMENTS	Mitigation Maste. Sincations (i) (ii)	Brolect Specification Fixestigation Fixestigation		×	×	×	×	×	×	×	×
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ML and RELATED PROJECT EXPERIENCE MATRIX	Exp. Basis Carom. Carom.		Gurrent Projects	& APDES Both		Both	e Mine Both	drient Both	Mine : Both		
IL and NELWIE	FROJECT		Rade (netam Mine Article 3 & NPDES	amp Run Haul Road	artown Surface Mine	ear Fork No: 1 Surface Mine	amp Bun No. 2 Amendment	Donald Fork Surface Mire	arkers Ridge Surface Mille	umter Deep Mine

** Use this area to provide specific sections or pages if needed for reference.
*** List Primary Design personnel and their functional capacity for the projects listed.

Attachment "C"

* 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.

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AML and RELATED PROJECT EXPERIENCE MATRIX	PROJECT			Boone North No. 3: Surface Mine	Bridge Fork West/Amendment Camp Branch Surface Mine	Alding	Horsepen Alma "C.". Deep Mine	Mine	* Use this area to provide specific
and REI	PRO		Page 2 of 2	North No.	<u> Bridge Fork West Amendine</u> Samp Branch Surface Mine	Mountain Laurel Complex	en Alma	syandotte Stope Mine	this area to
W S			Page	Boone	Bridge Camp	Mount	Horse	Gyand Gyand	•• Use

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

Attachment "C"

^{**} 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.