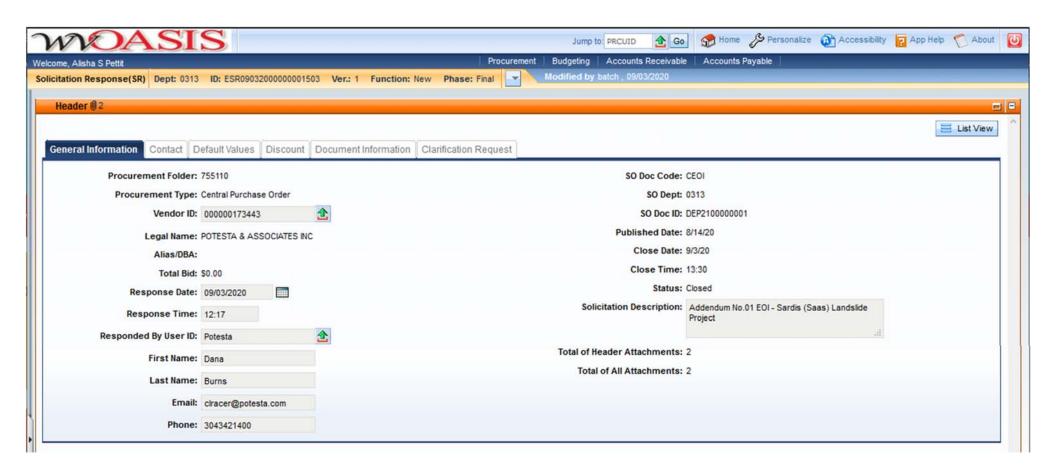
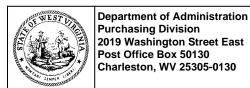


2019 Washington Street, East Charleston, WV 25305 Telephone: 304-558-2306 General Fax: 304-558-6026

Bid Fax: 304-558-3970

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





# State of West Virginia Solicitation Response

Proc Folder:

755110

**Solicitation Description:** 

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

Proc Type:

Central Purchase Order

Solicitation Closes Solicitation Response

Version

2020-09-03 13:30

SR 0313 ESR09032000000001503

1

**VENDOR** 

000000173443

POTESTA & ASSOCIATES INC

**Solicitation Number:** 

CEOI 0313 DEP2100000001

**Total Bid:** 

0

Response Date:

2020-09-03

Response Time:

12:17:59

Comments:

FOR INFORMATION CONTACT THE BUYER

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

Vendor Signatur

Signature X

FEIN#

DATE

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

 Date Printed:
 Sep 4, 2020
 Page: 1
 FORM ID: WV-PRC-SR-001 2020/05

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

Comm Code	Manufacturer	Specification	Model #	
81100000				

Commodity Line Comments: EOI Attached

### **Extended Description:**

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

Date Printed: Sep 4, 2020 Page: 2 FORM ID: WV-PRC-SR-001 2020/05

## Attachment "A"

# WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AML CONSULTANT QUALIFICATION QUESTIONNAIRE

PROJECT NAME	DATE (DAY, MONTH	I, YEAR)	FEIN	
Sardis (Saas) Landslide	03, Septem	ber, 2020	311	1509066
FIRM NAME	2. HOME OFFICE B	BUSINESS ADDRESS	3. FORME	ER FIRM NAME
	7012 MacCor	kle Avenue, SE		
Potesta & Associates, Inc.	Charleston,	West Virginia	25304 N/A	A
4. HOME OFFICE TELEPHONE 5. ESTABL	ISHED (YEAR)	6. TYPE OWNERSH	IP	6a. WV REGISTERED DBE
		Individual	Corporation	(Disadvantaged Business
(304)342-1400 1997		Partnership	Joint-Venture	Enterprise)
				YES NO
7. PRIMARY AML DESIGN OFFICE: ADDRESS/	TELEPHONE/ PERSON	I IN CHARGE/ NO.	AML DESIGN PERSO	ONNEL EACH OFFICE
7012 MacCorkle Avenue, SE, Charleston		(4) 342-1400 / D	ana L. Burns, Vic	ce President / 66
8. NAMES OF PRINCIPAL OFFICERS OR MEMBE	RS OF FIRM	8a. NAME, TITLE	, & TELEPHONE NUI	MBER - OTHER PRINCIPALS
Ronald Potesta, President				
Dana L. Burns, Vice President		N/A		
9. PERSONNEL BY DISCIPLINE				
	ISTS ICAL ENGINEERS NMENTALISTS TORS GISTS IANS	1 MECHANIC. 1 MINING : PHOTOGRAI PLANNERS	MMETRISTS : URBAN/REGIONAL ENGINEERS GINEERS	STRUCTURAL ENGINEERS  6 SURVEYORS  TRAFFIC ENGINEERS  1 HORTICULTRUALIST  4 GEOTECHNICAL ENGINEERS  1 FISH & WILDLIFE SPECIALISTS  1 GIS SPECIALIST  1 AQUA CULTURALIST  1 INFORMATION TECHNOLOGIST CHEMIST OTHER
TOTAL NUMBER OF WV REGISTERED PRO *RPEs other than Civil and Mining supervise and perform this type o	must provide sup			74 TOTAL PERSONNEL
10. HAS THIS JOINT-VENTURE WORKED TOGET	HER BEFORE?	YES NO	N/A	

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTAN	TS ANTICIPATED TO BE USED. Attach "AML C	onsultant Qualification Questionnaire".
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
Keddal Aerial Mapping	Aerial Photography and Mapping	_X_Yes
1121 Boyce Road, Suite 3100		N.
Pittsburgh, Pennsylvania 15241		No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
GeoMechanics, Inc.	Environmental and Coal Related Laboratory	<u>X</u> Yes
600 Munir Drive		
P.O. Box 386		No
Elizabeth, PA 15037		
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
Test Boring Services 140 Mong Road	Soils and Rock Boring	_X_Yes
Scenery Hill, Pennsylvania 15360		No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
GeoMechanics, Inc.	Soils and Concrete Testing	<u>X</u> Yes
600 Munir Drive		
P.O. Box 386		No
Elizabeth, PA 15037		
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
Pace Analytical	Water Analytical	<u>X</u> Yes
5 Weatherridge Drive		No
Hurrican, WV 25526		
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: POTESTA's principal-in-charge, Dana L. Burns, P.E. and project managers, Messrs. Tim Rice, EIT, Mark Kiser, P.E., Terence Moran, P.E. have each worked on over 70 AML projects dating back to 1986, including landslide exploration and abatement, mine subsidence stabilization projects, acid mine drainage treatment, refuse piles, mine drainage, mine portal seal, and water supply projects. POTESTA has 15 staff with experience on AML projects. POTESTA's principal engineers extensive experience with preparing design plans for refuse piles. Many of the previous AML projects won reclamation awards including: Bear Run Refuse; Kimball Refuse Piles; Owings Mine Complex; Pine Creek (Omar) Refuse; Turner-Douglas Complex; and Grass Run Refuse. These projects were completed by Dana Burns, Mark Kiser, and Terry Moran.

NO

B. Is your firm experienced in Soil Analysis?

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

NO

C. Is your firm experienced in hydrology and hydraulics?

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

NO

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

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

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

NΟ

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

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

NO

13. PERSONAL HISTORY STATEMENT OF PRIdata but keep to essentials)	NCIPALS AND ASSOCIATES RESPON	ISIBLE FOR AML PROJECT DESIGN	(Furnish complete			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE				
Burns, Dana L. Vice President	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 36	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 25			
Brief Explanation of Responsibilities	<u> </u>					
Mr. Burns will serve as principal-in-charge for this project with his significant experience with AML type projects. Mr. Burns has served as the project manager or principal-in-charge on three open end contracts for WVDEP, AML from 1986 through 1997, totaling over 60 projects. He will ensure the personnel required to efficiently complete this project will be identified. He will coordinate contract issues with the State of West Virginia.						
EDUCATION (Degree, Year, Specializati MS, 1979, Civil Engineering wit BS, 1978, Civil Engineering		Imphasis				
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, Sta	ite)			
West Virginia Coal Association  American Society of Civil Engineers  West Virginia Association of Consulting Engineers  American Consulting Engineering Council - Trans Committee						
13. PERSONAL HISTORY STATEMENT OF PRIdata but keep to essentials)	NCIPALS AND ASSOCIATES RESPON	ISIBLE FOR AML PROJECT DESIGN	(Furnish complete			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE				
Rice, Timothy M. Senior Engineer	YEARS OF AML DESIGN EXPERIENCE: 32	YEARS OF AML RELATED DESIGN EXPERIENCE:  38	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 32			
Brief Explanation of Responsibilities	5					
Mr. Rice will serve as Project Manager for this project. As primary contact, Mr. Rice will communicate between WVDEP and the design teams, subcontractors, and project advisors for this project. His 32 years of AML experience include projects in West Virginia, Maryland, Ohio and Pennsylvania and various types of projects will provide the technical knowledge and experience to complete this AML project.						
EDUCATION (Degree, Year, Specializati	on)					
BS, 1982, Civil Engineering						
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, St	ate)			
		EI, 2005,WV				

13. PERSONAL HISTORY STATEMENT OF PRI	NCIPALS AND ASSOCIATES RESPON	SIBLE 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	YEARS OF DOMESTIC		
Sharp, David B.		EXPERIENCE:	WATERLINE DESIGN		
Morgantown Branch Manager	25	25	EXPERIENCE: 25		
Brief Explanation of Responsibilities					
Mr. Sharp will serve as alternate pro experience with AML type projects thr					
12 years. He will ensure the personn					
coordinate contract issues with the S					
spent most of his career involved in					
spent most of his career involved in	geoteciniicai engineering and	construction management proje	ices.		
EDUCATION (Degree, Year, Specializati	on)				
MS, 1995, Civil Engineering wit		ng Emphasis			
BS, 1993, Civil Engineering	n ded environmenear ingineeri	iig Empilabib			
	0.77				
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, St	tate)		
West Virginia Coal Association		DE 1000 III DE	0001		
American Society of Civil Engin		PE, 1999, WV PE, 2001, KY			
West Virginia Association of Co			2001, OH		
American Consulting Engineering	Council - Trans Committee	PE, 2000, PA			
13. PERSONAL HISTORY STATEMENT OF PRI data but keep to essentials)	NCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PROJECT DESIGN	(Furnish complete		
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE			
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC		
Grose, Christopher A.		EXPERIENCE:	WATERLINE DESIGN		
Senior Engineering Associate	21	25	EXPERIENCE: 17		
Brief Explanation of Responsibilities					
Mr. Grose will coordinate the drillin					
sites for soil cover, and investigati	on and design of solutions to	r subsurface hydrogeology wit	thin the deep mines and		
recommendations for mine seals.					
EDUCATION (Degree, Year, Specializati	on)				
MS, 1990, Geological Engineerin	g				
BS, 1988, Civil Engineering	-				
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, St	ate)		
American Society of Civil Engin		REGISTRATION (Type, Teal, St	-acc,		
Association of Engineering Geol		Licensed Remediation S	enogialist 1000 um		
Society of American Military En		Licensed Remediation S	ppeciaitsc, 1990, WV		
<ul> <li>BOCIETA OF WHETTCHI MITTINGLY FIL</li> </ul>	ATHEETP				

13. PERSONAL HISTORY STATEMENT OF PR data but keep to essentials)	RINCIPALS AND ASSOCIATES RESPO	NSIBLE FOR AML PROJECT DESIGN	(Furnish complete			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE				
Kiser, D. Mark	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN			
Chief Engineer	24	36	EXPERIENCE: 25			
Brief Explanation of Responsibilitie	es					
As Chief Engineer, with significant drainage channelization, he will ser QA/QC for the various draft submissi	rve as a project manager. Mr.	Kiser will also provide cons				
EDUCATION (Degree, Year, Specializat	cion)					
BS, 1984, Civil Engineering						
MEMBERSHIP IN PROFESSIONAL ORGANIZAT	TIONS	REGISTRATION (Type, Year, Sta	ite)			
		PE, 1990, WV Licensed Remediation Sp	pecialist, 1998, WV			
13. PERSONAL HISTORY STATEMENT OF PR data but keep to essentials)	RINCIPALS AND ASSOCIATES RESPO	NSIBLE FOR AML PROJECT DESIGN	(Furnish complete			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE				
Potesta, Ronald R. President	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:			
Brief Explanation of Responsibilitie	l es		1			
As President, Mr. Potesta directs the WVDEP.	ne full resources of the firm	to meet the complete requirem	ents of this project for			
EDUCATION (Degree, Year, Specializat	cion)					
MS, 1975, Economics with a Cor BS, 1971, Business Administrat		cs, Econometrics, and Micro E	conomics			
MEMBERSHIP IN PROFESSIONAL ORGANIZAT		REGISTRATION (Type, Year, St	ate)			
Commissioner, Ohio River Valle						
Commission; Board of Directors Conservancy; National Institut						
Environmental Institute; WV Ma						

13. PERSONAL HISTORY STATEMENT OF PRI	TOOLOGIC DESCRIPTION OF THE PROPERTY OF THE PR		/- ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
	NCIPALS AND ASSOCIATES RESPON	SIBLE 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	YEARS OF DOMESTIC
Peter S. Potesta		EXPERIENCE:	WATERLINE DESIGN
Staff Engineer	2	2	EXPERIENCE: 4
Brief Explanation of Responsibilities			
Mr. Peter Potesta, Staff Engineer, project. His areas of expertise in gas production well pads and accestability analysis, civil/site design	clude geotechnical engineering ss roads, retaining wall des	g with an emphasis in landslic sign and analysis, foundation	de repair design, natural
EDUCATION (Degree, Year, Specializati	on)		
BS, 2011, Civil Engineering			
BA, 2007, Environmental Geoscie	nces		
		DEGLOSDASION (Street Vocas St	
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, St	tate)
13. PERSONAL HISTORY STATEMENT OF PRI	MATRAIC AND ACCACIATES <b>DECDAN</b>	GIDIE BOD AMI DDOIDGE DEGIGN	/Europiah gomploto
data but keep to essentials)	NCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PRODECT DESIGN	(Furnish Complete
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
lase, Filse, Made inc.,	AEYDO VE YWI DEGICH EADEDIENGE.		VENDO OF DOMECTIO
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC
Jeremi J. Stawovy, E.I.T.			WATERLINE DESIGN
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	
Jeremi J. Stawovy, E.I.T.	7	YEARS OF AML RELATED DESIGN EXPERIENCE:	WATERLINE DESIGN
Jeremi J. Stawovy, E.I.T. Staff Engineer	as over 10 years of experienc ude geotechnical engineering nagement of subsurface explore	YEARS OF AML RELATED DESIGN EXPERIENCE: 7  e and will serve as a geotech with an emphasis in landslide ations, settlement analysis,	WATERLINE DESIGN EXPERIENCE: 10  mical engineer for this repair design, slope stability
Jeremi J. Stawovy, E.I.T. Staff Engineer  Brief Explanation of Responsibilities  Mr. Jeremi Stawovy, Staff Engineer, h project. His areas of expertise incl geotechnical evaluations including ma modeling, foundation analysis, well p	as over 10 years of experience dude geotechnical engineering anagement of subsurface explorated construction, roadway improved	YEARS OF AML RELATED DESIGN EXPERIENCE: 7  e and will serve as a geotech with an emphasis in landslide ations, settlement analysis,	WATERLINE DESIGN EXPERIENCE: 10  unical engineer for this erepair design, slope stability
Jeremi J. Stawovy, E.I.T. Staff Engineer  Brief Explanation of Responsibilities  Mr. Jeremi Stawovy, Staff Engineer, h project. His areas of expertise incl geotechnical evaluations including ma modeling, foundation analysis, well p construction.  EDUCATION (Degree, Year, Specializati	as over 10 years of experience ude geotechnical engineering anagement of subsurface explorated construction, roadway impression)	YEARS OF AML RELATED DESIGN EXPERIENCE: 7  e and will serve as a geotech with an emphasis in landslide ations, settlement analysis,	WATERLINE DESIGN EXPERIENCE: 10  unical engineer for this erepair design, slope stability
Jeremi J. Stawovy, E.I.T. Staff Engineer  Brief Explanation of Responsibilities  Mr. Jeremi Stawovy, Staff Engineer, h project. His areas of expertise incl geotechnical evaluations including ma modeling, foundation analysis, well p construction.  EDUCATION (Degree, Year, Specializati  MS, 2011, Civil/Environmental E	as over 10 years of experience ude geotechnical engineering anagement of subsurface explorated construction, roadway impression)	YEARS OF AML RELATED DESIGN EXPERIENCE: 7  e and will serve as a geotech with an emphasis in landslide ations, settlement analysis,	WATERLINE DESIGN EXPERIENCE: 10  Inical engineer for this erepair design, slope stability
Jeremi J. Stawovy, E.I.T. Staff Engineer  Brief Explanation of Responsibilities  Mr. Jeremi Stawovy, Staff Engineer, h project. His areas of expertise incl geotechnical evaluations including ma modeling, foundation analysis, well p construction.  EDUCATION (Degree, Year, Specializati	as over 10 years of experience ude geotechnical engineering anagement of subsurface explorated construction, roadway impression)	YEARS OF AML RELATED DESIGN EXPERIENCE: 7  e and will serve as a geotech with an emphasis in landslide ations, settlement analysis,	WATERLINE DESIGN EXPERIENCE: 10  Inical engineer for this erepair design, slope stability
Jeremi J. Stawovy, E.I.T. Staff Engineer  Brief Explanation of Responsibilities  Mr. Jeremi Stawovy, Staff Engineer, h project. His areas of expertise incl geotechnical evaluations including ma modeling, foundation analysis, well p construction.  EDUCATION (Degree, Year, Specializati MS, 2011, Civil/Environmental E	as over 10 years of experience ude geotechnical engineering anagement of subsurface explorated construction, roadway impression)  Singineering angineering angineering	YEARS OF AML RELATED DESIGN EXPERIENCE: 7  e and will serve as a geotech with an emphasis in landslide ations, settlement analysis,	WATERLINE DESIGN EXPERIENCE: 10  Inical engineer for this erepair design, slope stability sial/residential
Jeremi J. Stawovy, E.I.T. Staff Engineer  Brief Explanation of Responsibilities  Mr. Jeremi Stawovy, Staff Engineer, h project. His areas of expertise incl geotechnical evaluations including ma modeling, foundation analysis, well p construction.  EDUCATION (Degree, Year, Specializati  MS, 2011, Civil/Environmental E BS, 2009, Civil/Environmental E	as over 10 years of experience ude geotechnical engineering anagement of subsurface explorated construction, roadway impression)  Singineering angineering angineering	YEARS OF AML RELATED DESIGN EXPERIENCE: 7  e and will serve as a geotech with an emphasis in landslide ations, settlement analysis, ovements/repairs, and commerc	WATERLINE DESIGN EXPERIENCE: 10  unical engineer for this e repair design, slope stability rial/residential
Jeremi J. Stawovy, E.I.T. Staff Engineer  Brief Explanation of Responsibilities  Mr. Jeremi Stawovy, Staff Engineer, h project. His areas of expertise incl geotechnical evaluations including ma modeling, foundation analysis, well p construction.  EDUCATION (Degree, Year, Specializati  MS, 2011, Civil/Environmental E BS, 2009, Civil/Environmental E	as over 10 years of experience ude geotechnical engineering anagement of subsurface explorated construction, roadway impression)  Singineering angineering angineering	YEARS OF AML RELATED DESIGN EXPERIENCE: 7  e and will serve as a geotech with an emphasis in landslide ations, settlement analysis, ovements/repairs, and commerc	WATERLINE DESIGN EXPERIENCE: 10  unical engineer for this e repair design, slope stability rial/residential

13. PERSONAL HISTORY STATEMENT OF PRI	MOTDATO AND ACCOURAGE DECDON	CIDIE EOD AMI DDOIECT DECICA	(Eurnigh gomplete				
data but keep to essentials)	NCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PROJECT DESIGN	(Furnish Complete				
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE					
The design of the second secon	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC				
Moran, Terence C.		EXPERIENCE:	WATERLINE DESIGN				
Senior Engineer	23	26	EXPERIENCE: 26				
Brief Explanation of Responsibilities	<u> </u>	<u> </u>	1				
subconsultants. Mr. Moran has served	Mr. Moran will serve as project manager coordinating interaction between the WVDEP, design team members, and subconsultants. Mr. Moran has served as a project engineer/project manager for over 60 AML projects in West Virginia between 1989 and 1999. More recently, he has served as principal engineer and project manager for WVDEP-AML projects						
will also serve as one of the princip			if a weekly basis. He				
EDUCATION (Degree, Year, Specializati	on)						
MS, 1989, Civil Engineering BS, 1987, Civil Engineering							
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, St	ate)				
American Society of Civil Engineers  PE, 1996, WV PE, 1998, VA							
13. PERSONAL HISTORY STATEMENT OF PRI data but keep to essentials)	NCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PROJECT DESIGN	(Furnish complete				
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE					
Taylor, Patrick A.	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN				
Senior Engineer	25	25	EXPERIENCE: 20				
Brief Explanation of Responsibilities							
Mr. Taylor will serve as a project engineer, including completing field work, design, and preparation of drawings, technical specifications, bid forms, and cost estimates. Mr. Taylor has project engineer experience in AML projects consisting of emergency slide remediation, refuse fill and slurry pond reclamation, abandoned portal closures, and slurry pond reclamation. Mr. Taylor also served as a branch manager for a private consulting firm responsible for surface mining permitting, design and reclamation.							
EDUCATION (Degree, Year, Specializati	on)						
MS, 2006, Engineering Management BS, 1988, Civil Engineering							
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, St	ate)				
American Society of Civil Engin	eering	PE, 1994, WV					

13. PERSONAL HISTORY STATEMENT OF PR	RINCIPALS AND ASSOCIATES <b>RESPO</b>	ONSIBLE FOR AML PROJECT DESIGNATION	GN (Furnish complete		
data but keep to essentials)					
NAME & TITLE (Last, First, Middle Int.)					
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC WATERLINE		
Litwinowicz, Dennis L.		EXPERIENCE:	DESIGN EXPERIENCE:		
Senior Scientist		35			
Brief Explanation of Responsibilities	es				
Mr. Litwinowicz will serve as a prog		ervation of subsurface explo	ration activities and		
assistance on evaluation of other ge	eologic activities.				
EDUCATION (Degree, Year, Specializat	cion)				
BS, 1980, Geology and Minerald	ogy				
MEMBERSHIP IN PROFESSIONAL ORGANIZAT	FTONG	REGISTRATION (Type, Year, St	-2+0)		
MEMBERSHIP IN PROFESSIONAL ORGANIZA.	LIONS	REGISTRATION (Type, Year, St	lace)		
American Association of Petro	loum Coologists	Certified Petroleum Ge	pologist 1994		
American Association of Petro.	reum Geologists	certified Petrofeum Ge	eologist, 1904		
13. PERSONAL HISTORY STATEMENT OF PR	RINCIPALS AND ASSOCIATES RESPO	ONSIBLE FOR AML PROJECT DESIGN	GN (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	YEARS OF DOMESTIC		
Dawson, Victor M.		EXPERIENCE:	WATERLINE DESIGN		
Survey Supervisor	15	33	EXPERIENCE: 17		
Brief Explanation of Responsibilities	es				
Mr. Dawson will coordinate required					
benchmarks, topographic surveys, bou					
profiling significant existing drain		ned in the aerial mapping. I	Mr. Dawson will reduce		
survey data and create topographic r	mapping for AML projects.				
EDUCATION (Decree Wasser Constitution)	\				
EDUCATION (Degree, Year, Specializat	21011)				
AS, 1983, Surveying					
AS, 1963, Surveying					
MEMBERSHIP IN PROFESSIONAL ORGANIZAT	TIONS	REGISTRATION (Type, Year,	State)		
American Congress Surveying an					
West Virginia Association of I		PS, 1988, NC			
North Carolina Society of Surv	<del>-</del>	PS, 1989, SC			
South Carolina Society of Surv		PS, 1993, WV			
	<u>-</u>	-2, -2, 2,			
		1			

13. PERSONAL HISTORY STATEMENT OF PRIdata but keep to essentials)	INCIPALS AND ASSOCIATES RESPON	SIBLE FOR AML PROJECT DESIGN	(Furnish complete			
NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE					
Sankoff, Michael B. CADD Designer/Supervisor	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 28	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 17			
Brief Explanation of Responsibilities Mr. Sankoff will provide the CADD sur survey data to provide sufficient map	oport in preparation of constru	action drawings for the proje	ct. He will reduce			
EDUCATION (Degree, Year, Specialization BS, 1987, Industrial Management AS, 1986, Drafting and Design F AS, 1986, Mechanical Engineering	: Engineering Technology					
MEMBERSHIP IN PROFESSIONAL ORGANIZATION OF PROFESSIONAL HISTORY STATEMENT OF PROFESSIONAL PROFESSIONAL ORGANIZATION OF PROFESSIONAL ORGANIZATION OF PROFESSIONAL ORGANIZATION OF PROFESSIONAL ORGANIZATION OF PROFESSIONAL ORGANIZATION ORGANIZ		REGISTRATION (Type, Year, St				
data but keep to essentials)		VENDO OF EVDEDIENCE				
NAME & TITLE (Last, First, Middle Int.)  Ammirato, Robert J.  Engineer		YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 12	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 12			
Brief Explanation of Responsibilities  Mr. Ammirato will serve as a project engineer for the project. His responsibilities will include hydraulic calculations, layout, drawing preparation, design, technical specifications, bid forms, cost estimates, and field work. He has extensive experience in water supply and wastewater system design, permitting, and regulations.  Mr. Ammirato was the project engineer on our Borderland (Matney) Portals project.						
EDUCATION (Degree, Year, Specialization BS, 1999, Mechanical Engineering)						
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	TONS	REGISTRATION (Type, Year, Sta	te)			

13. PERSONAL HISTORY STATEMENT OF PRI data but keep to essentials)	NCIPALS AND ASSOCIATES RESPO	NSIBLE FOR AML PROJECT DESIGN	(Furnish complete			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE				
Smith, Jarrett M. Senior Engineer	YEARS OF AML DESIGN EXPERIENCE: 10	YEARS OF AML RELATED DESIGN EXPERIENCE: 12	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 12			
Brief Explanation of Responsibilities						
Mr. Smith has been involved extensive preparation of NPDES stormwater const grading plans and quantity/cost estimam AML project.	ely with development of hydro ruction permits. He also has mates. Mr. Smith was the pro	s significant expertise in the	e development of site			
EDUCATION (Degree, Year, Specializati BS, 2002, Civil Engineering	on)					
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, Sta	ate)			
National Society of Professiona	l Engineers	PE, 2008, WV				
13. PERSONAL HISTORY STATEMENT OF PRI data but keep to essentials)	NCIPALS AND ASSOCIATES RESPO	NSIBLE FOR AML PROJECT DESIGN	(Furnish complete			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE				
Ward, Patrick E. Senior Engineer	YEARS OF AML DESIGN EXPERIENCE	EXPERIENCE: 18	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 9			
Brief Explanation of Responsibilities						
Mr. Ward will serve as a project engineer and has extensive experience on WVDEP, AML projects, having served as a project engineer on refuse piles, mine drainage, and subsidence projects in the early to mid-1990's.						
EDUCATION (Degree, Year, Specializati	on)					
MS, 1992, Civil Engineering (Ge BS, 1990, Civil Engineering	eotechnical)					
MEMBERSHIP IN PROFESSIONAL ORGANIZATI	ONS	REGISTRATION (Type, Year, S	tate)			
		PE, 1997, WV				

13. PERSONAL HISTORY STATEMENT OF PR	INCIPALS AND ASSOCIATES RESPO	NSIBLE FOR AML PROJECT DESIGN	(Furnish complete
data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC
Griffith, Chad		EXPERIENCE:	WATERLINE DESIGN
Staff Engineer	6	8	EXPERIENCE: 11
J.			
Brief Explanation of Responsibilitie	S		
Mr. Griffith has extensive experienc mining related NPDES permits, mining site layout, road design, geotech permitting, construction monitoring,	g related bonding phase releannical engineering, civil/si	ases, prospecting permits, re te design, stormwater manag	sidential and commercial
EDUCATION (Degree, Year, Specializat	ion)		
BS, 2004, Civil Engineering			
MEMBERSHIP IN PROFESSIONAL ORGANIZAT	IONS	REGISTRATION (Type, Year, Sta	ate)
		PE, 2008, WV	
		1	

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES
Microsoft Office 365
WordPerfect 11
Adobe PageMaker 8 (Publication Software)
MicroStation (Allows users to create 3D models of permanent assets - the models and all of their components are electronic simulations of real-world objects); used for CADD drawing preparation.
Haestead Methods (Numerous software packages used for designing storm water structures [e.g., channels, culverts, ponds, etc.] and water distribution systems.)
MapTech, Terrain Navigator (Combines regional collections of topographic maps with powerful PC navigation software fo 2D/3D viewing, customizing, printing and GPS use.)
Autodesk Civil 3D Design Software 2019 Used for preparing CADD drawings (3D modeling software that provides topographic analysis, real-world coordinate systems, volume totals, roadway geometry.)
PCSTabl stability analysis program to perform stability analysis of failed slopes and proposed landslide repair solutions.

#### 15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

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

NAME AND ADDRESS OF OWNER  WVDEP 601 57 <sup>th</sup> Street, SE Charleston, WV 25304	NATURE OF YOUR FIRM'S RESPONSIBILITY Preparation of construction	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
601 57 <sup>th</sup> Street, SE	Preparation of construction		COMEDITI
Charlescon, WV 23301	drawings, technical specifications, engineer's construction cost estimate, and calculations brief for closure of landfill.	\$6,000,000	98%
Boone County PSD PO Box 287 Danville, WV 25053	Final design of wastewater treatment plant upgrade.	\$4,000,000	75%
Town of Mill Creek High Street Mill Creek, WV 26280	Design of water line replacement including construction documents.	\$2,650,000	95%
Cowen PSD 7017 Webster Road Cowen, WV 26206	Design of 8-mile water line extension including construction documents.	\$6,500,000	90%
West Virginia American Water PO Box 1906 Charleston, WV 25327	Design of Olcott water line extension, construction monitoring of various water line construction projects, and river water study.	\$5,000,000	30%
	PO Box 287 Danville, WV 25053  Town of Mill Creek High Street Mill Creek, WV 26280  Cowen PSD 7017 Webster Road Cowen, WV 26206  West Virginia American Water PO Box 1906	Boone County PSD PO Box 287 Danville, WV 25053  Town of Mill Creek High Street Mill Creek, WV 26280  Cowen PSD 7017 Webster Road Cowen, WV 26206  West Virginia American Water PO Box 1906  Final design of wastewater treatment plant upgrade.  Design of water line replacement including construction documents.  Design of 8-mile water line extension including construction documents.  Design of Olcott water line extension, construction monitoring of various water line construction	Boone County PSD Final design of wastewater treatment plant upgrade.  Town of Mill Creek High Street including construction documents.  Mill Creek, WV 26280  Design of 8-mile water line extension including construction documents.  Design of 8-mile water line extension including construction documents.  Design of 0lcott water line extension, construction monitoring of various water line construction

TOTAL NUMBER OF PROJECTS:

TOTAL ESTIMATED CONSTRUCTION COSTS:

13 (POTESTA has completed well over 1000 projects.)

\$37,291,344

PROJECT NAME, TYPE	NATURE OF FIRMS	RM IS SERVING AS A SU NAME AND ADDRESS	ESTIMATED	ESTIMATED CONS	PEDICETON COCE
AND LOCATION	RESPONSIBILITY	OF OWNER	COMPLETION DATE	ESTIMATED CONS	SIRUCTION COST
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY

PROJECT NAME, TYPE	NAME AND ADDRESS	ESTIMATED	YEAR	CONSTRUCTED
AND LOCATION	OF OWNER	CONSTRUCTION COST		(YES OR NO)
North Edgemont Landslide Remediation	Huntington Sanitary Board 555 Seventh Ave. Huntington, WV 25701	\$750,000	2019	Yes
South Charleston Landfill, Landfill Closure Design South Charleston, WV	WVDEP 601 57 <sup>th</sup> Street, SE Charleston, WV 25304	\$2,500,000	2017	Yes
Cheyenne Coal Sales	WVDEP Office of Special Reclamation 47 School Street, Suite 301 Philippi, WV 26416	\$2,500,000	2017	YES
Mt. Calvary Cemetery Landslide, Wheeling, WV	Wheeling-Charleston Diocese 1300 Byron Street PO Box 230 Wheeling, WV 26003	\$350,000	2019	Yes
Jacob Street Landslide Repair, Morgantown, WV	City of Morgantown 389 Spruce Street Morgantown, WV 26505	\$350,000	2018	Yes
WVDOT/DOH - Geotechnical Services, WVSR 4 Repair and Stabilization, Kanawha/Clay Counties, WV	WVDOT/DOH-Dist. 4 PO Box 4220 Clarksburg, WV 26302	Emergency Project, Budget not Available	2016	Yes
Marshall Portal Landslide Repair	MEPCO, LLC 966 Crafts Run Road Maidsville, WV 26541	\$200,000	2018	Yes
Crany Mine Dump Wyoming County, WV	WVDEP 601 57 <sup>th</sup> Street, SE Charleston, WV 25304	\$2,200,000	2016	Yes
Nixon Ridge Landslide Remediation	K&N Contracting 2976 Wills Creek Road Elkview, WV 25701	\$2,400,000	2020	Yes

	THIN LAST 5 YEARS ON WHI YOUR FIRM WAS RESPONSIE	ICH YOUR FIRM HAS BEEN A SUB-CON BLE)	SULTANT :	TO OTHER FIRMS	(INDICATE PHASE
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH

19.		e this space to provide any additional information or d Llifications to perform work for the West Virginia Aban	
	Con POT	esta & Associates, Inc.'s (POTESTA) "Expression of Int struction Monitoring Services for the Sardis (Saas) La ESTA's qualifications and resources for serving the We lice of Abandoned Mine Lands and Reclamation on this pr	ndslide Project" supports this questionnaire in providing st Virginia Department of Environmental Protection,
	1.	Has assembled a team of in-house personnel and subcompotesta's in-house staff includes 13 Professional Enghave worked on over 75 AML projects.	ractors who have historically worked on AML projects. neers including 10 in the primary office, three of whom
	2.	Has a large local staff with a unique multidiscipline structural engineering, geological engineering, hydromemphasis on water quality and aquatic life and toxicing	ogical engineering, mine land reclamation, with a strong
	3.	Has 15+ employees with experience on WVDEP AML projectin the following type of WVDEP AML projects:	s. POTESTA employees have worked on and have experience
		<ul> <li>Landslides</li> <li>Assessment of Contamination (e.g., PCBs, asbestos</li> <li>Demolition of Structures</li> <li>Diversion Structures</li> <li>Identifying Acid Mine Drainage</li> <li>Inventory of Residential Water Supplies</li> <li>Water Supply Feasibility Studies and Design</li> <li>Mine Fires</li> </ul>	- Passive Acid Mine Drainage Treatment - Reclamation of Refuse Piles - Sealing Mine Portals - Stream Relocations - Subsidence Assessment and Remediation - USCOE Permitting - Wetland Assessments
	4.	Can handle a substantial AML workload (more than our engineer (P.E.) Project Managers each with experience	
	5.	Offices located in Charleston, West Virginia in close Morgantown, West Virginia close to WVDEP Bridgeport of	proximity to WVDEP's Charleston office, with offices in fice and Winchester, Virginia.
	6.	Staff has had a positive relationship with WVDEP, AML	in the past, which we would like to continue.
20	The	e foregoing is a statement of facts.	
Sigr		$\varphi \mathcal{J}$	Vice President Date: September 3, 2020

						A	AML and	d RELA	TED PR	OJECT E	EXPER	IENCE MATRIX	(															
							PF	ROJECT	EXPER	RIENCE F	REQUI	REMENTS					PRIMARY	STAFF F	PARTICIP	ATION/CA	PACITY		*** M=N	<b>Mana</b> geme	ent P=Pro	fessiona	ıl	
PROJECT	Exp. Basic C=Corp. P=Personnel	Provided i	m Wine	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	Geotechnical/Stability	Dana L. Burns	Tim M. Rice David B. Sharp	Chris A. Grose	D. Mark Kiser	Terence C. Moran	Michael Sankoff	Jeremi J. Stawovy	Jarrett Smith	Robbert Ammirato	Pat Taylor	Scott A. Bolyard	Chad Griffith	Peter Potesta
WVDEP - AML Marmet (Wells Drive) Landslide Emergency	С			<b>~</b>	<b>✓</b>	<b>~</b>					<b>\</b>				<b>/</b>	M		P	M		Р			P				
WVDEP - AML Williamson (Hatfield) Landslide  WVDEP - AML George's Creek (Lucas) Rockslide	C	12 12							3		<<				<del>                                     </del>	M M	P	P	M	Р	P		Р					
WVDEP - Wheatley Branch Landslide	P	12			<b>✓</b>	•			<b>-</b>		×				<del>                                     </del>	IVI	P,M	P	IVI		Р							
WVU - Monongahela Blv. Rockfall Project	С	13		_	_	•					V	<b>~</b>		<del>                                     </del>	<b>-</b>	М	P,M					Р						
Hampden (Smith) Landslide - AML	P										<b>V</b>				<b>V</b>	M		P										
Charleston (Ratcliffe) Landslide - AML	P														<b>-</b>	M		P	P						_			'
Mulberry Fork (Stover) Landslide - AML  Belle Landslide - AML	P		~		_						<b>Y</b>				<b>-</b>	M M		P	P	P					P			
Kitchen/Gibson Landslide - AML	P			<b>Y</b>	~	<b>/</b>			1	-	~			+ +	<b>-</b>	M		Ρ.	Ρ.	7					P			
Duck Creek Landslide - AML	P				<b>V</b>	~					<b>\</b>	<b>-</b>			Ž	M												-
Williamson Landslide - AML	Р		<b>V</b>		_	Ý					<b>V</b>				Ý	M			Р				Р					
MBOM - Oak Hill Landslide	Р					<b>Y</b>					,<				<b>Y</b>		P,M											
ODNR - Chickwan Landslide	P		<b>Y</b>			<b>Y</b>			<b>Y</b>		<b>Y</b>	<b>Y</b>			<b>-</b>		P,M											
ODNR - Z & H Landslide  City of Morgantown - Jacob Street Slip Repair	P	14	~			~			<b>/</b>		<b>Y</b>	<b>*</b>					P,M P,M					P				P		
WVDOT/DOH - Geotechnical Services - WVSR 4 Repair and Stabilization	C	15										<b>—                                    </b>			+ 3		P,M	Р				F				P		Р
Morgantown Parking Authority - Armory Lot Retaining Wall	C	15									<b>\</b>				<b>-</b>		M	•				Р				P		÷
Stone Energy - Geotechnical - Development of Marcellus Well Pads	С	16									V	<b>*</b>			V		М	Р										Р
Jerry Ware - Residential Landslide Gordon Drive - Charleston WV	С	12									Ť	•			<b>V</b>		М											Р
Town of Granville - Bowser Street Landslide Repair	С	16									<b>✓</b>	<b>✓</b>			<b>V</b>		P, M P, M	P				P				P		
CEF 8 Ltd. Partnership -Artisan Heights Townhouse Dev. Stability Review	С	16													<b>-</b>		P,M											
Travelers - Bona Vista Drive Slip Repair - Charleston WV  Columbia Gas - Landslide Stabilization - Blue Creek WV	C	17									_				- 5		M	P				Р						P P
City of Charleston - Grandview Slip Repair - Kanawha County WV	C	18									<b>V</b>				<del>                                     </del>		M	P										P
Training Response Center - Gallagher Tunnel Drainage and Slope Stability	С	18													-		M	•										$\dot{-}$
WVCA/NPCD - Wheeling Creek #7 Dam Landslide Repair	С	19									<b>V</b>				V		P, M P,M	Р				Р				Р		
WVCA/NPCD - Upper Grave Creek Dam Landslide Repair	С	19									<b>V</b>				<b>V</b>		P, M P,M	Р				Р				Р		
Wheeling-Charleston Diocese - Mt. Calvary Landslide Repair	С	20									<b>✓</b>	<b>✓</b>			<b>/</b>		P,M					Р				Р		
Wheeling-Charleston Diocese - St. Boniface Landslide Repair	С	20									_				<b>-</b>		P,M					Р				Р		'
Huntington Municipal Development Authority - Kinetic Park Slip Repair	С	21									Y	<b>Y</b>			+ *		M P	P										P
Huntington Sanitary Board - North Edgemont Slope Stabilization  K & N Contracting - Nixon Ridge Slip Repair - Moundsville WV	C	22									×	<b>*</b>			<b> </b>		P	P										P
Marshall Portal Access Road Landslide	C	20									V	_			J		P, M					Р				Р		÷
Weekley Well Pad Landslide Repair	С										V			1 1	Ž		P, M									P		
Mills Wetzel #2 Well Pad Landslide Repair	С										<b>V</b>	<b>~</b>			Ý		P, M	_								Р		
Shupbach Ridge Road Landslide Repair	С										,	<b>*</b>			<b>Y</b>		P, M									Р		
Potts Well Pad Landslide Repair  Poskor's Crock Mine Stockpile Landslide Repair	С										<b>~</b>	<b>~</b>			<b>Y</b>		P, M									P		
Decker's Creek Mine Stockpile Landslide Repair Wentz Freshwater Impoundment Embankment Stability Repair	C									-				+ +			P, M	_								P		
Wentz Freshwater Impoundment Embankment Stability Repair Cline Tower Landslide Repair	P					+ +				+				+ +	<del>                                     </del>		P, M									-		
Wellford Tower Landslide Repair	P													1	<b>-</b>		P, M	_										
Massie Ridge Tower Landslide Repair	Р														~		P, M											
Fisher Residential Landslide Repair	Р														<b>V</b>		P, M	_										
Kennawa Landslide Repair	P													<del>                                     </del>	<b>-</b>		P, M											
Burlew Landslide Repair	P					1				-			-	+ +	<b>Y</b>		P, M	_										
Lee LandsIdie Repair Fairmont North Tower LandsIide Repair	P			<b> </b>					-	+			-	+ + -			P, M											
6th Street Tower Landslide Repair	P					+ +				+				+ +	<del>                                     </del>		P, M	_										
WVDEP, AML Tupper Creek Emergency Landslide Repair	P										<b>~</b>	<b>~</b>		1	-		P											
Schmidt Landslide Repair	Р								1		▼			1 1	~		P											
Disposal Service, Inc. Landslide Repair	Р														Ý		P											
Wellston High School LandIslide Repair	Р														<b>V</b>		P											
Pribble Tank Tank Landslide Repair	P	17									<b>Y</b>	<b>Y</b>		<del>                                     </del>	<b>Y</b>		P, M									P		Р
Potokczny Well Pad Landslide Repair Ridgepoint Landslide Repair	P			<b> </b>							<b>✓</b>	<b>~</b>		+ +	<b>Y</b>		P, M	_								P		
	P P			1	l .	1		Ì	1				Ì				P, M	Р								Р		

						AIVIL all	U KELATE	D PROJE	CIEXP	ERIENCE	: WAIR	XIX.															
						PF	ROJECT E	XPERIEN	CE REQ	UIREME	NTS						PRIMARY S	STAFF P	ARTICIPA	ATION/CA	PACITY		*** M=N	lanageme	ent P=Pr	ofessiona	I
PROJECT	Exp. Basis C=Corp. P=Personnel * EOI (p:	ed in	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Dana L. Burns	Tim M. Rice David B. Sharp	Chris A. Grose	D. Mark Kiser	Terence C. Moran	Michael Sankoff	Jeremi J. Stawovy	Jarrett Smith	Robbert Ammirato	Pat Taylor	Scott A. Bolyard	Chad Griffith Peter Potesta
Wolf Pen (Carpenter) Portals	С		<b>\</b>		<b>~</b>				<b>✓</b>																		
Laurel Branch (Weaver) Portals	С		<b>✓</b>	<b>✓</b>	<b>\</b>				<b>~</b>																		
WVDEP, OSR Cheyenne Sales Company, Inc.	С	<b>V</b>			<b>~</b>	<b>~</b>			<b>~</b>	· · ·			<b>✓</b>		<b>✓</b>	М			Р		Р						
WVDEP, AML Little Whitestick Refuse	С	<b>~</b>	<b>~</b>	<b>~</b>	<b>/</b>	<b>✓</b>								•	_	М			Р		Р						
WVDEP, AML Crany Mine Dump	С	<b>/</b>			<b>/</b>	_								<b>~</b>	_ <b>v</b> .	М			Р		Р						
WVDEP, AML Morgan Mine Fire	С	<b>~</b>	<b>~</b>		<b>Y</b>	<b>✓</b>	<b>✓</b>		<b>—</b>		_				<b>/</b>	M	M			-						Р	
Monumental Mine  Lilly Parker Mine	С		+	1	<b>V</b>	-			<u> </u>		1	-	1	<del>                                     </del>	<b>Y</b>	M											P
Lilly Parker Mine  Barrackville Mine Expansion	C		+	<del>                                     </del>	<b>Y</b>	-					+		<del>                                     </del>	}	<del></del>	M M											P
Jo Anne Permit Renewals	C		+		×		<del>                                     </del>		ď			-		1	y	M											P
Humphrey Limestone Quarry	C		+	+	Ž		<del>                                     </del>		Ť		+		+		Ž	M											P
WVDEP, AML MacArthur Phase 2 Subsidence AML	C		+	1	Ž		<del>                                     </del>	<b>✓</b>	Ž		+	-		1	Ž	M											-
WVDEP, AML Lake Lynn Complex	С		<b>-</b>	~	<b>V</b>			<del>*</del>	J	· · ·				1	Ž		м м									Р	
WVDEP, AML MacArthur Mine Subsidence	С		+ <del>*</del>	<b>—</b>	<b>—</b>			<u> </u>	J		+		1		· ·	M			M,P		Р						
WVDEP, AML East Lynn II	С		Ž	~	~	1			Ž		1		1	~	~	М			M,P		Р						
WVDEP, AML Flipping Hollow Complex	С		Ž		Ť				Ž	•				<b>-</b>	Ť	М			M,P		Р						
WVDEP, AML Sundial (Hatfield) RefusePiles Re-Bid	С		V	V	<b>✓</b>				Ž	•			<b>V</b>		<b>✓</b>	М			М		Р						
WVDEP, AML Mill Creek Refuse Pile	С		1		<b>V</b>				V	•			Ť		<b>'</b>	М			М		Р						
WVDEP, AML John's Branch Coal Refuse Dam (Kopperston)	С		V		V		<b>✓</b>		Ž	•					Ý	М			М		Р						Р
WVDEP, AML Clay-Roane PSD Water Feasibility Study	С		<b>~</b>							<b>~</b>						M					Р						Р
WVDEP, AML Burnsville PSD Water Feasibility Study	С		<b>\</b>							<b>✓</b>						M			M								
WVDEP, AML Brandonville/Pisgah Water Feasibility Study	С		<b>~</b>							<b>✓</b>						M			M								
WVDEP, AML Cuzzart/4-H Water Feasibility Study	С		<b>✓</b>							<b>~</b>						M			M								
WVDEP, AML Hudson/Mt. Nebo Water Feasibility Study	С		<b>/</b>													M			M								
WVDEP, AML Jessop Highwall #10	С	<b>~</b>		<b>/</b>	<b>/</b>										<b>~</b>	М			M								
WVDEP, AML Lando (Edwards) Drainage	С	<b>✓</b>		· ·	<b>~</b>										<b>~</b>	М			М	-			_				
WVDEP, AML Taylorville (Cantrell) Drainage	С		<b>-</b>	<b>/</b>	<b>/</b>								1			М			M	-			Р				
WVDEP, AML Borderland (Matney) Portals	С		<b>-</b>	•	<b>Y</b>				<b>—</b>							M			М					Р			
WVDEP, AML Peach Ridge Complex WVDEP, AML Measle Fork Refuse	С	<b>Y</b>	-	<b>~</b>	<b>Y</b>				<u> </u>				<b>Y</b>			M			M M		P			-			
WVDEP, AML Georges Creek Portals	С	~			<b>V</b>				<b>-</b>				<b>/</b>	<b>✓</b>	<b>✓</b>	M M			M		P			P			
WVDEP, AML Putney Impoundment	C			<b>*</b>	×				×						<b>~</b>	M			M		-			F			
WVDEP, AML Kopperston (John's Branch) Refuse Emergency	C	Ž		+ •	Ž		<del>                                     </del>		Ť		+			<b>-</b>	<b>V</b>	M			M				P				
WVDEP, AML Marmet (Clark) Drainage	C	•	<b>-</b>	<b>~</b>	~				Ž					1		M			M		Р						
WVDEP, AML Pringle Run #2	C				~				Ž		+	1	~		~	M			M		P						
WVDEP, AML Mountain Run Refuse and Portals	С	Ť	<b>                                     </b>	Ž	Ž				Ž		1		Ž		Ž	М	М		М							Р	
Dream Mountain AMD Project - Friends of the Cheat	С		1	Ī	V				Ž		1	<b>~</b>	Ī		Ž		M									Р	
Gary Connor AMD - Friends of the Cheat	С				<b>V</b>				V			Ý					M									Р	
WVDEP, AML Fairmont East Mine Drainage	С		<b>~</b>		<b>V</b>				<b>~</b>							М			М								
WVDEP, AML Rachel Refuse	С	<b>~</b>			~	<b>~</b>							<b>✓</b>			М			М		Р						
WVDEP, AML laeger Water Feasibility Study	С		<b>V</b>							<b>~</b>				$oxed{\Box}$		М				М	Р						
WVDEP, AML Burnwell, Standard, and Collinsdale Water Line Extension	С		<b>✓</b>						<b>✓</b>		<b>✓</b>	<u> </u>				М				М	Р			Р			
WVDEP, AML Morrisvale Cameo Preliminary Engineering	С												<b></b>							М	Р			Р			
May Portal (Virginia AML)	С		<b>-</b>	<b>✓</b>	<b>Y</b>				<b>✓</b>				<b>✓</b>			М									М		
Webster County Water Studies	С			1	<b>Y</b>									<b> </b>		M							Р		М		
Mill Creek Phase III Waterline and Water Treatment Plant - AML	P		+	<del>                                     </del>	<b>~</b>	<del>                                     </del>			<b>~</b>	<u>'</u>		<b>~</b>	1		<b>✓</b>					M							
Cow Creek - Sarah Ann Phase III Water Line Extension Godby Branch Water Line Extension	P		+	1	-						1	-	1	<del>                                     </del>					Б	M							
Putnam County Commission - Fisher Ridge Phase II	C		+	-	-				_	_	+	-		<del>                                     </del>		М			Р	M M	D		P				
Boone County PSD - Lick Creek Water Line Extension	C		+	1	1				-			+	1	1		M				M	P						
Boone County PSD - Joes Creek Water Line Extension	C		+		<u> </u>				_	-	+	-		1		M				M	P						
Boone County PSD - Six Mile Extension/Corridor G	C		+	1	<u> </u>				1					1		M				M	P						
Boone County PSD - Trace Branch/Robinson Water Line Extension	C		+	1		1					+		1			M				M	P						
Boone County PSD - Stephens Auto/Betsy Lane Water Line Extension	C		†	†	t								1			M				M	P						
Town of Ceredo - Water Distribution System Upgrade	C		+								1					M				M	P			Р	Р		
WVAWC - Mifflin/Sharples Water Line Extension	C								1	1	1					M				M	P			P			

						AML a	nd RELA	TED PF	ROJECT	EXPER	IENCE	MATRIX	X																
						F	PROJECT	Т ЕХРЕ	RIENCE	REQUI	REMEN	ITS						PR	IMARY S	STAFF PA	ARTICIPA	TION/CA	PACITY		*** M=N	/lanagem	ent P=Pı	rofession	al
PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in EOI (page)	Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Snart Crosure Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Dana L. Bums	Tim M. Rice	David B. Sharp	Chris A. Grose	D. Mark Kiser	Terence C. Moran	Michael Sankoff	Jeremi J. Stawovy	Jarrett Smith	Robbert Ammirato	Pat Taylor	Scott A. Bolyard	Chad Griffith Date: Dotesta
			_ , _	, , = ,																									
Town of Ceredo - Cemetery Hill Upgrade	С																												
WVAWC - Putnam County Water Supply Extension	P									<b>Y</b>							M					M							
WVAWC - Kanawha County Water Supply Extension  WVAWC - Cabell County Water Supply Extension	P					1				<b>Y</b>							M					M M							
City of Philippi Upgrade to Water Distribution System	С				·					Ž							M					P	Р						
Philippi Water Line Relocation for WVDOH Bypass	C				Ž					V		1		1			M					Р	Р						
WVAWC - Route 60	С				<b>V</b>					<b>V</b>	<b>✓</b>						М				Р		Р						
WVAWC - Route 60 Contract 4	С				<b>~</b>					<b>\</b>		1		1			М				Р		Р						
WVAWC - Buff Creek/Trace Fork	С				<b>/</b>					<b>\</b>	<b>\</b>	_					M				P		P						
WVAWC - Poca River WVAWC - Cabell County Contract 6	С				<b>-</b>		1			<b>Y</b>	<b>Y</b>	×		1			M				P P	D	P						
WVAWC - Cabell County Contract 6 WVAWC - Cabell County Contract 7	C				×					<b>Y</b>	y	<u> </u>		+	1		M M				P	P P	P						
WVAWC - Gabell County Contact / WVAWC - Fisher's Ridge Extension	C				Ž		1			Ž	Ž			1			M				F	P	P			Р			
WVAWC - Summers County Extension	C				Ž					Ž		Ž		1			M				Р								
WVAWC - Glade Springs Village	С				V					<b>V</b>		~					M				Р								
WVAWC - Spite Road	С				<b>✓</b>					<b>~</b>	<b>✓</b>	<b>✓</b>					М					Р							
Beaver Creek Waterline Extension - AML	Р									<b>V</b>	<b>/</b>						M			Р		Р							
Cassity Fork Water Supply Extension - AML	P									<b>/</b>	<b>\</b>						M			Р	Р	Р							
Gualey River Area Water Line Extension - AML Heizer/Manila Creek Water Line Extension Phase II Study - AML	P									<b>*</b>	<b>Y</b>											M M							
Reynoldsville/Wallace Water Supply Extension - AML	P									×	Ž					_						M							
Weaver-Junior Phase II Water Supply - AML	P				Ž					_	Ž					_						M							
Washington Heights to Jeffrey Phase II Water Study - AML	Р				<b>V</b>						Ž											М							
Reynoldsville, Wallace, and Clarksburg Phase II Water Study - AML	Р				<b>V</b>						~											М							
Reynoldsville, Wallace, and Clarksburg Phase I Water Study - AML	Р										<b>~</b>											М							
Weaver-Junior Phase I Water Study - AML	Р										<b>~</b>											М							
Gauley River Phase I Water Study - AML Upper Rum Creek Phase II Water Study - AML	P										<b>Y</b>										Р	M							
Crooked Creek Phase II Water Study - AML	P				<b>-</b>						<b>Y</b>											M M							
Mill Creek Regional Phase II Water Study - AML	P				Ž						Ž											M							
Cow Creek - Sarah Ann Phase II Water Study - AML	P				Ž						Ž											M							
Phase I Water Studies Brooke and Fayette Counties (2 Projects) - AML	Р										V						М				Р	Р							
Mill Creek Regional Water Phase II Water Study (Boone, Lincoln and Logan Counties) - AML	Р				<b>✓</b>						<b>✓</b>						М				Р	Р							
Godby Branch Phase II Water Study - AML	Р				<b>✓</b>						<b>~</b>						M				Р	Р							
Putnam County Phase I Water Studies (3 Projects) - AML	P									1	<b>V</b>			1			M					Р							
Boone County Phase I Water Studies (10 Projects) - AML  Phase II Water Feasibility Studies for Logan County (3 Projects) - AML	P						+			1	<b>Y</b>			1			M				P P	P P							
Phase I Water Studies for Logan County (3 Projects) - AML	P				<b>-</b>						×						M			Р	P	P							
Spruce Lick-Stream Flow Monitoring Project for Eastern Assoicated Coal Corp AML	P									1	~	1		1	<b>~</b>		M				P	'							
Massy Coal Co. AMD Pump Treatment System	C				Ž					<b>V</b>	_	1	<b>/</b>	1	1		M												
Martin County Coal Co. Stream Flow & Fish Surveys-Coldwater Creek	С				Ý					Ľ	<b>✓</b>																		
Martin County Coal Co. Stream Flow & Fish Surveys-Wolf Creek Watershed	С				<b>V</b>						<b>V</b>																		
Martin County Coal Co. Stream Flow & Fish Surveys- Rockcastle Creek	С				<b>-</b>		1				<b>\</b>			1															
Martin County Coal Co. Stream Flow & Habitat Survey-Coldwater Creek Fork Watershed	С				<u> </u>					-	<b>Y</b>	-	-	-	-														
Martin County Coal Co. Stream Flow & Habitat Survey-Wolf Creek Watershed  Martin County Coal Co. Stream Flow & Habitat Survey-Rockcastle Creek Watershed	C				<b>-</b>						<b>*</b>	-			-														
Don's Disposal Landfill Stream Flow Measurement	P				Ž					1	Ž			1															
Union Carbide Cooling Water Flow Measurement	C				Ž						V			1															
Union Carbide Davis Creek Flow Measurement	C				Ž						~			1															
Union Carbide Process Wastewater Flow Measurement	С				Ý						<b>V</b>																		
MDG-Wastewater Package Plant	С				<b>~</b>					<b>✓</b>	<b>V</b>		<b>✓</b>			<b>✓</b>	М								Р				
WVDEP-Flows at Various Facilities	P				<b>-</b>		1				<b>\</b>			1															
Arch Coal- Pigeon Creek Stream Flow Measurement	С				<u> </u>					1	<b>V</b>			1															
City of Charleston-Sanitary Sewer Flow Measurement	C				<b>-</b>				1	1	<b>Y</b>		1	1	<del>                                     </del>														
Pison Development Sanitary Sewer Flow Measurement																													

					A	AML and	RELATI	ED PROJE	CT EXPE	RIENCE	MATRIX																
						PRO	OJECT I	EXPERIENC	CE REQU	JIREMEN	TS						PRIMARY S	STAFF PA	ARTICIPA	TION/CA	PACITY		*** M=Ma	nagemer	nt P=Profes	sional	
PROJECT	Exp. Basis C=Corp. P=Personnel	Provided in	Abandoned Surface Mine Reclamation Abandoned Deep Mine	Reclamation Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Geotechnical/Stability	Dana L. Burns	Tim M. Rice	David B. Sharp	Chris A. Grose	D. Mark Kiser	Terence C. Moran	Michael Sankoff	Jeremi J. Stawovy	Jarrett Smith	Robbert Ammirato		Scott A. Bolyara Chad Griffith	Peter Potesta
Solutia-Groundwater Well Levels and Flow Estimates	С				<b>/</b>					<b>V</b>																	
Chemical Plant - Parkersburg, WV	С				<b>/</b>				<b>/</b>																		
Muddy Creek AMD Treatment System	С				<b>/</b>				<b>~</b>			<u> </u>				-	M										
Sovern Run (Tinchnell) AMD Treatment System	С				<b>/</b>				<b>~</b>			<b>&gt;</b>					М										
Evaluation of Mine Drainage from AML Sites as Part of ESA for Jackson & Kelly	С			<u> </u>						<b>~</b>					M					Р							
Hawkins AMD - AML  Allen AMD - AML	P			/		+			<b>-</b>										P		Р						
Omega Mine Complex - AML	P			/ ~	×	+		<b>✓</b>	×			<b>✓</b>		×					Ρ	M	P						
Owings Mine Complex - AML	P							<u> </u>	<del>. • •</del> •			<b>&gt;</b>	<b>V</b> ,							M							
Vindex Energy	C		<u> </u>	/	-			<del>-   •</del>	Ž			<b>\</b>	<b>V</b>	J				P	Р	IVI	Р						
Dominion Resources - Upshur Enoxy Complex	C				+ +				Ž	_		Š		J				P	P	Р	P						
Osage AMD Treatment System	P				+ +							<u> </u>															
Reliable Mine AMD Treatment System	P				1							Ž															
Upshur Passive AMD Treatment System	Р				1							Ž															
Sundial Refuse - AML	С		<b>V</b>	1 1	~				<b>/</b>			_	<b>V</b>	/ /	М				М	Р	Р						
Solutia Landfill Closure Design for Various Environmental Remediation Projects	С				Ž			<b>✓</b>			<b>~</b>	<b>\</b>		Ž				Р	Р		Р						
Kanawha Eagle Coal Refuse Disposal Impoundment	С				Ž				Ž		Ž	•		Ť				Р	Р		Р						
Pocahontas County Landfill Expansion, Closure, and Operations Consulting	С				Ž				Ž		>	<b>/</b>		Ť					Р		Р						
Energy Services Site Development and Permitting	С				Ž				Ť	<b>+</b> •	Ž	_		Ť				Р	Р		Р						
Smith Bridge Replacement	С				Ť						•			Ž				Р									
Corridor H, Section 6 Davis-Bismark	С													Ž	М			Р	М								
Environmental Assessment and Closure/Capping Design for Fleming Landfill	С				<b>/</b>										М				Р		Р						
Environmental Assessment and Closure/Capping Plan for Jackson County Landfill	С														M				М	Р	Р						
Elkem Metals Jarrett Branch Landfill	С														M			Р	Р		Р						
Mine Water Treatability Study, Guyses Run of Tygart Valley River	С									<b>~</b>		>	•		М					Р							
Coldwater Creek/Luigino's Food Processing Facility, Inc.	С				<b>/</b>				<b>✓</b>		<b>&gt;</b>				M				Р		Р						
Construction Layout for Mahan Tipple and Refuse AML Maintenance Project	С																										
Construction Layout for Lynn Brook (Boud) Drainage, AML Reclamation Project	С																										
Grass Run Refuse - AML	Р		<b>✓</b>		<b>/</b>	<b>✓</b>			<b>✓</b>	_				<b>✓</b>	M				Р		Р						
Allen Sheridan Hazardous Facility (Asbestos)	Р		<b>✓</b>					<b>✓</b>	<b>'</b>						M												
Elk City - Century-Volga Phase I/II Water Study - AML	Р									<b>V</b>					М				Р		Р						
Camp Mohonegan Regrade - AML	Р		<b>✓</b>		<b>✓</b>	<b>✓</b>				<b>~</b>		>	•	/ /					Р		Р						
Comfort Run Coal Company (Asbestos) - AML	Р							<b>✓</b>							М												
Turner Douglas Complex - AML	Р			/ /					<b>~</b>			<b>/</b>		<b>✓</b>				Р	Р		Р						
Buffalo Creek No. 5 Refuse - AML	Р		<b>~</b>			<b>V</b>			~			<b>\</b>		<b>~</b>					Р		Р						
Dawmont Mine Facility - AML	P			/ /					<b>~</b>			<b>✓</b>	<b>~</b>					Р			Р						
Helen (Lewis) Refuse - AML	P			/ /		<b>Y</b>			<b>/</b>				<b>✓</b>	<b>~</b>													
Upshur 10/15 Drainage - AML Medican Street Portals/Fainian Paula 219 Portals AMI	P		<b>~</b>	<b>/</b>					<b>V</b>			<b>\</b>			M												
Madison Street Portals/Fairview Route 218 Portals - AML Summerlee Refuse Pile - AML	P			/ /					<b>/</b>					<u>, Y</u>				1	1	D					D		
Duncan Hill Subsidence - AML	P		<b>V</b>			<b>~</b>			<b>Y</b>			<b>✓</b>		<u> </u>				P P	P	Р					Р		
Cora Mine Drainage No. II - AML	P			/				<b>✓</b>	<b>*</b>					<u> </u>				P	P	Р							
Covey Creek Mine Fire - AML	P			/ ~	<b>-</b>		<b>✓</b>							<b>✓</b>	M			P	۲								
Covey Creek Mine Fire - AML  Vivian Refuse Pile - AML	P				1.0		~		<b>/</b>	+								P	P	D					P		
Kimball Refuse Pile - AML	P		•	/ 🗸				-	×				<b>✓</b>					P	P	P					P		
Bear Run Refuse - AML	P			/ *	<b>       </b>	<del></del>		<del>-  </del>	×			•	Ž,					P	P	F					P		
Garrison Complex - AML	P		<del>                                     </del>	/ *	×	<b>*</b>			V			~	<del>`</del>	Ť					P								
Beckley Subsidence - AML	P			/	+ -			<b>✓</b>	Ž				_	J				P	P								
Courtright Highwall - AML	P		~ ·		<b>/</b>			<b>—</b>	Ž				<b>✓</b>	J				P	P	Р							
Jonben (Haga) Subsidence - AML	P				Ž			<b>✓</b>	Ž				<b>-</b>	J				P	P	P							
Holden (Padgett) Subsidence - AML	P			/ /				Ž	Ž					J						P							
Minden Drilling - AML	P				+ •			<del></del>						J				Р									
Gray and laquinta Subsidence - AML	P		_ · ·		† †			<b>✓</b>	<b>/</b>					J					Р	Р							
St. John's Road Subsidence - AML	P							Ž	Ž					J					P	P							
High Coal Tipple - AML	P			/ ~				*	Ž				<b>✓</b>	Ž					P								

						AML an	d RELATE	D PROJE	CT EXPE	RIENCE	MATRIX																	
PROJECT			PROJECT EXPERIENCE REQUIREMENTS													PRIMAR	RY STAFF	PARTICIP	ATION/CA	PACITY		*** M=Management P=Professional						
	Exp. Basis C=Corp. Pi	Additional Info Provided in EOI (page)	Abandoned Surface Mine Reclamation Abandoned Deep Mine	Reclamation Portal/Shaff 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	ju	Dana L. Bums	Tim M. Rice David B. Sharp	Chris A. Grose	D. Mark Kiser	Terence C. Moran	Michael Sankoff	Jeremi J. Stawovy	Jarrett Smith	Robbert Ammirato	Pat Taylor	Scott A. Bolyard	Chad Griffith Peter Potesta	
Omar Refuse Pile - AML	Р			/ /	<b>✓</b>	<b>~</b>	<b>✓</b>		<b>~</b>						<u> </u>	М		Р	Р						Р			
Mt. Hope Subsidence - AML	P			/				<u>/</u>	<b>Y</b>						<u> </u>	М												
Morgantown Airport Drainage/Subsidence - AML	P			/ /	<b>Y</b>	<b> </b>		<b>/</b>	<b>/</b>						<b>*</b> .	M												
Logan Drainage - AML Huffman Street Subsidence - AML	P			/ /	<b>~</b>	1			<b>/</b>		1		1		<u> </u>	M												
Huffman Street Subsidence - AML Switzer Adams/Robinson Drainage - AML	P					-		<b>/</b>	<b>Y</b>	_	1				<u> </u>	M												
Follansbee Drainage - AML	P			/ >	<b>*</b>				<b>- - - - - - - - - -</b>						<u> </u>	M												
Fairmont East Subsidence - AML	P			/ ~		1			×		1				<u> </u>	M												
Fairmont IV Subsidence - AML	P					<u> </u>			×		1				<u> </u>	M												
Vargo Drainage - AML	P				<b>/</b>			<b>~</b>	Ž		1					M												
Kistler Mine Fire - AML	P				Ž		<b>✓</b>		Ť						·	M												
Lefthand Fork Burning Refuse - AML	P		<u> </u>	<b>*</b>	-	<b>/</b>	Ž		·	_	-				<u> </u>				М	Р								
Harris AMD - AML	P			/ /	-	_	<b>-</b>		Ť				_		<u> </u>				M	P								
Wyoming County Landfill	P/C		<del>-   `</del>	<b>*</b>   <b>*</b>	-				Ť			<b>~</b>			<u> </u>	M		Р	P		Р							
Jackson County Landfill	C				-	1			·	_		<u> </u>			<u> </u>	M			P	Р	P							
Kanawha Western Landfill	P		<b>✓</b>		-	1			·			<del></del>			<u> </u>	M		Р	P	+ -								
Monongalia County Sanitary Landfill	P		<del>`</del>		Ž	1			Ť			Ť			<b>*</b> .	M		P	P						Р			
Fayette County Landfill	P		*		Ž	1			Ž	_		Ť			<u> </u>				M									
Carolina Refuse - AML	P		<b>V</b> •	/ /	-	<b>/</b>						_			<u> </u>					M								
Majesty Mine Complex - AML	P		<del>&gt;  </del>		-	~			Ť			<b>~</b>	~		<u> </u>					M								
Grandstaff Subsidence - AML	P		•	/	_	_	•	/					_		Ž					M								
Glen Morgan (Lilly) Site - AML	P									<b>~</b>					Ž					M								
Viers Highwall - AML	Р				~			*		Ž					Ž					М								
Spruce Laurel Stream Flow Monitoring Project - AML	С		•	* *	Ž					Ž					<u> </u>	М				М								
Summit at Cheat Lake Residential Subdivision	С				Ž		•	/	~					<b>✓</b>	~		М	Р							Р	Р	P P	
Avery Court	С				V			•	Ž					Ť	·		М								Р	Р		
Hurricane Market Place	С				Ť				Ť									Р					Р					
Pison Development - Mineral Wells	С				<b>V</b>											М		М					Р					
Pison Development - Barboursville	С				V											М		М	_				Р					
Pison Development - Knollview	С				V						~					М		М					Р					
Pison Development - Cross Roads 2	С				V						V					М		М										
Pison Development - Elk Crossings	С				V				İ		Ť					М		М										
Pison Development - Elkins	С				V						<b>~</b>					М		М										
Pison Development - Harrisville	С				Ý						V					М		М								Р		
Pison Development - Point Pleasant	С				~											М		М										
Pison Development - Kanawha Court	С				<b>~</b>											М		М						Р				
Pison Development - Church Hill Village	С				<b>~</b>					<b>✓</b>					<b>✓</b>	М	М									Р		
Grove Park - Campus View LLC	С				~			/							<b>✓</b>		М	Р								Р	P P	
North Hills Development - 600-Acre Property	С						•	<b>/</b>							<b>✓</b>		М											
Kenna Industrial Park	С				<b>V</b>											М		M	Р				Р					
Spring Hill	С				<b>~</b>						<b>~</b>													Р				
Ives - Orchards Manor	С				<b>V</b>	<u> </u>																		Р				
Ives - Littlepage Terrace	С				<b>~</b>	ļ			$\perp$															Р				
Ives - Patrick Street	С				<b>~</b>	ļ					<b>↓</b> ↓ ↓													Р				
Tucker County Industrial Park	С				<b>~</b>	<u> </u>					<b>/</b>					М	Р			М			Р					
Bradshaw Schools	С				<b>~</b>						<b>~</b>					М				М				Р				
Marrowbone Waterline Extension - AML	Р					<b>~</b>			<b>/</b>	_															M			
Ragland Waterline Extension - AML	Р					<b>/</b>			<b>~</b>	_																		
Pigeon Creek Phase II Water Study - AML	Р					<b>/</b>			<b>~</b>																M			
Wayne County Commission - Buffalo Creek Waterline Extension	Р					<b>/</b>					ļļ														Р			
Birch River PSD Waterline Extension	P					<b>\</b>																			Р			
Lincoln County Commission - Town of Harts Extension	P					<b>/</b>																			Р			
Independence Coal	Р					<b>/</b>									<b>✓</b>													
Nicholas Energy, Inc.	Р					<b>~</b>			<b>~</b>						<b>✓</b>										Р			
WV Bureau for Public Health - Drinking Water Treatment Revolving Fund	Р				1																				M			
WVIJDC - Water Technical Committee	Р			1 -		<b>~</b>	1 1		<b>✓</b>	1	1	<b>/</b>		1 1											M			

							AML an	d RELATE	D PROJ	ECT E	XPERI	ENCE N	/ATRIX																		
								ROJECT E											PRIMAR	Y STAFF F	PARTICIP	ATION/C	APACITY		*** M=N	I=Management P=Professional					
PROJECT	Exp. Basis C=Corp. P=Personnel	Provided in	Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Dana L. Burns	Tim M. Rice David B. Sharp	Chris A. Grose	D. Mark Kiser	Terence C. Moran	Michael Sankoff	Jeremi J. Stawovy	Jarrett Smith	Robbert Ammirato	Pat Taylor	Scott A. Bolyard	Chad Griffith Peter Potesta		
					1									<b>A</b> 1		1 1								_	,	1					
WV Bureau for Public Health - Water/Sewer Construction Permit Program	P						<b>V</b>				<b>✓</b>			<b>~</b>													M	$\longrightarrow$			
WVIJDC Manager Westmoreland Coal Company	P		_	<b>/</b>	_	_	<b>Y</b>		<b>,</b>		<b>Y</b>	_	_	<del>Y</del>	<b>\</b>	<b>/</b>	<b>/</b>										Р	$\longrightarrow$			
Mingo Logan Coal Company	P		Ž	×	~	Š	~		<del>``</del>	<u> </u>	Ž	y	Ž	×	~		Ÿ											$\rightarrow$			
Marfork Coal Company	P		V	~		<b>7</b>	<b>✓</b>		•			•		~	_	<b>/</b>	_														
Elk Run Coal Company	P		Ž	Ž	~	Ž	Ž		-		<u> </u>		V	Ž	<u> </u>	•	Ž										Р				
Nicholas County Landfill	С		Ť	Ť	Ť	Ť	Ť			•	<b>V</b>	Ť	*	·	_		Ť	М			Р										
Peabody Coal Company	С		<b>~</b>	<b>✓</b>					•	<b>/</b>								М													
Massey Coal Services	С									<b>/</b>		<b>✓</b>																			
Poor Charlie & Company, Inc.	С									<b>/</b>		<b>\</b>															Р				
Pace Carbon Fuels, LLC	С									<b>/</b>		<b>V</b>	<b>✓</b>					M													
Amherst Industries, Inc.	С							<del>                                     </del>		<b>/</b>		<b>✓</b>																			
Hobet Mining, Inc. Montgomery Landfill	C			<b>~</b>	-	<b>V</b>					<del>У</del>		-				<b>V</b>	M M		P			P								
North Fork Landfill	P			<b>/</b>		<b>Y</b>					<del>y</del>			<b>✓</b>			<b>Y</b>	P		P	М		Р		-			$\longrightarrow$			
Sycamore Landfill	P			-		~					~		_				~	M		Р	IVI							-			
Vaughan Railroad	P												<del>`</del>				~	M		Р											
CSX Ramp Replacement	P												•				Ž														
S&S Landfill	P					~					<b>✓</b>						Ž	Р			Р	Р					Р				
Harwood Mine Complex	Р		~			•					<b>*</b>						<u> </u>	М		Р	Р										
Southern Ohio Coal - Pump Tests	Р		V	~							<b>✓</b>							М		Р	Р	Р									
WVDEP - Fairmont DAC	Р			~	<b>~</b>	<b>~</b>			<b>✓</b>		<b>✓</b>	<b>~</b>	<b>~</b>	<b>~</b>			<b>✓</b>		М												
WVDEP - Pepper Portals and Drainage	P		<b>~</b>	<b>~</b>	<b>✓</b>	<b>✓</b>	<b>/</b>				<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>			<b>✓</b>		М												
WVDEP - Hilderbrand Highwall	Р		<b>V</b>	<b>/</b>	<b>~</b>	<b>~</b>			<b>✓</b>		<b>~</b>	<b>✓</b>		<b>✓</b>			<b>V</b>		M												
WVDEP - Winona Complex	Р		<b>Y</b>		<b>~</b>	<b>~</b>					<b>Y</b>					<b>~</b>	_ ·		P,M									$\longrightarrow$			
WVDEP - Dale R. Thrasher	P		~	1							<b>✓</b>				<b>✓</b>		<b>✓</b>		P,M									$\longrightarrow$			
WVDEP - Wheeling (15th Street)	P					<b>V</b>					<b>✓</b>								P,M									$\longrightarrow$			
WVDEP - Dotson Tipple WVDEP - Montana Mines Subsidence	P		<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>/</b>					<b>Y</b>				<b>✓</b>	-	<del>y</del>		P,M P,M												
WVDEP - Pendleton Creek Strip	P		<b>V</b>	<b>~</b>	<b>~</b>	<b>/</b>			<b>✓</b>		<del>&gt;</del>					<b>/</b>	×		P,M									<del></del>			
WVDEP - Heather Run #2	P				~						~		-/	•	./	~			P,M									$\rightarrow$			
WVDEP - Barker Portals and Strip	P		Ž	<b>-</b>	~	Ž					<u> </u>		<del>-</del>	V	_	Ž	Ž		P,M												
WVDEP - Whipering Woods Feasibility Study	P		_	_	_	Ž					<b>*</b>	~	_	•		_			P,M												
WVDEP - Ruper to Rainelle Feasibility Study	Р					<b>V</b>						Ý							P,M												
WVDEP - Shinnston (Osbourne) Subsidence	Р								<b>✓</b>		<b>✓</b>								P,M												
WVDEP - Bethlehem (Toothman) Subsidence	Р								<b>~</b>		<b>V</b>						<b>~</b>		P,M												
WVDEP - Pallotta Subsidence	Р				<b> </b>				<b>✓</b>		<b>✓</b>						<b>~</b>		P,M												
WVDEP - Blackwater (OSM Appalachian Regional Award)	P				ļ	<b>✓</b>					<b>✓</b>			<b>✓</b>					P,M												
WVDEP - Shallamar Doser	P													<b>✓</b>					P,M												
WVDEP - Blue Pennant Mine Fire  WVDEP - Red Hollow Burning Refuse	P		×		<b>~</b>	<b>*</b>		<b>*</b>			<b>Y</b>		+		<b>&gt;</b>	+	<b>Y</b>		P,M P,M												
WVDEP - Red Hollow burning Reluse WVDEP - Amigo Refuse	P		×	×		×	×	×			×				~	<del>                                     </del>	×		P,M P,M												
WVDEP - Jamison Burning Refuse	P		V	<u> </u>		~	_	Ž			~		<b>✓</b>				V		P,M												
WVDEP - Amigo Smokeless Impoundment	P			~	~	Ž	<b>~</b>				Ž		*		<b>✓</b>	~			P,M												
WVDEP - Taylor Creek Impoundment (OSM National Award)	P		Ž			<b>V</b>		<b>~</b>			~		1		~	V			P,M												
WVDEP - Ohio Avenue	Р		L	Ť		<b>~</b>			<b>✓</b>		<b>V</b>						Ž		P,M												
WVDEP - Robinson Run Landsilde	Р		<b>~</b>	<b>✓</b>		<b>V</b>					<b>✓</b>				<b>\</b>		<b>✓</b>		P,M												
WVDEP - Stealey Avenue Subsidence	Р								<b>✓</b>		<b>V</b>						<b>V</b>		P,M												
WVDEP - Tunnelton Gob	Р		<b>V</b>		<b>~</b>		<b>✓</b>				<b>✓</b>		<b>✓</b>			<b>V</b>			P,M												
WVDEP - Slab Camp Run	P		<b>/</b>		<b>\</b>						<b>✓</b>				<b>✓</b>	<b>✓</b>			P,M												
WVDEP - Sovern Run	P		<b>V</b>		<b>V</b>		_				<b>✓</b>						<b>V</b>		P,M												
WVDEP - Ford's Run Refuse	P		<b>V</b>		<b>~</b>		<b>~</b>				<b>Y</b>				<b>/</b>	<b>~</b>	<b>~</b>		P,M												
WVDEP - North Fork Refuse	P		<b>Y</b>			<b>Y</b>					<b>Y</b>		-			<del>                                     </del>			P,M												
WVDEP - Dillan Creek WVDEP - Austen Highwall	P		Y	<b>Y</b>	<b>Y</b>	<b>Y</b>		+			<b>✓</b>		+	<b>✓</b>		<b>~</b>	<b>Y</b>		P,M P,M									$\longrightarrow$			
WVDEP - Austern Highwall WVDEP - Slab Fork Mine Dump	P				×			+ +	-		×	-	~		<b>\</b>				P,M P,M												
TTYDEL Glab Fork Willio Durinp	P		V								~		~	~	~	<b>V</b>	~		Γ,ΙΨΙ												

						,	AML an	d RELATE	PROJE	CT EXP	ERIENC	E MATRI	X																			
PROJECT							PF	ROJECT EX	PERIEN	CE REQ	UIREME	NTS						PRII	MARY ST	AFF PART	ICIPAT	ION/CAPA	CITY		*** M=Management P=Professional							
	Exp. Basis C=Corp. P=Personnel	Provided in	Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence investigation Mitgation Hazardous Waste Disposal	ecificatio	Water Quality Evaluation/Nitication/Replacement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Dana L. Bums	ice	David B. Sharp	Grose	D. Mark Kiser	Terence C. Moran	Michael Sankoff	Jeremi J. Stawovy	Jarrett Smith	Robbert Ammirato	Pat Taylor	Scott A. Bolyard	Chad Griffith	Peter Potesta		
WVDEP - Edna Refuse	Р		<b>V</b>		<b>V</b>	<b>V</b>	<b>/</b>		<b>~</b>					<b>/</b>		<b>V</b>		P,M														
WVDEP - Piney Creek	Р		<b>V</b>	<b>~</b>	<b>✓</b>	<b>~</b>	<b>/</b>							<b>~</b>		<b>✓</b>		P,M														
WVDEP - Alderson Branch	P		<b>'</b>	<b>~</b>		<b>~</b>	_							<b>-</b>	<b>/</b>			P,M														
WVDEP - Everettville	Р		<b>Y</b>	<b>/</b>	<b>✓</b>	<b>~</b>	<u> </u>						1	<b>~</b>	V			P,M														
WVDEP - McComas Refuse	Р		<b>✓</b>	<b>✓</b>		<b>✓</b>	<b>/</b>									<b>✓</b>		P,M														
WVDEP - Pierce Refuse	Р								<b>~</b>									P,M														
WVDEP - Fish Run	Р		<u> </u>		L .				<b>~</b>					<u> </u>				P,M														
WVDEP - Lamar Refuse	Р		<b>✓</b>	<b>~</b>		<b>✓</b>				<b>✓</b>	•			<b>~</b>		<b>✓</b>		P,M														
WVDEP - Indian Ridge	Р		<b>✓</b>	<b>✓</b>	<b>/</b>	<b>\</b>	<b>\</b>			<b>✓</b>	•			<b>~</b>		<b>✓</b>		P,M														
WVDEP - Davy Branch	Р		<b>~</b>	<b>~</b>	<b>~</b>	<b>/</b>	<b>\</b>	<b>~</b>		<b>✓</b>				<b>~</b>		<b>✓</b>		P,M														
WVDEP - Eckman Refuse	Р		<b>\</b>	<b>~</b>	<b>\</b>	>	>			<b>\</b>	•			<b>\</b>		<b>\</b>		P,M														
WVDEP - Horsepen Ridge	Р		<b>~</b>	<b>~</b>	<b>~</b>	<b>\</b>				<b>✓</b>	•					<b>/</b>		P,M														
WVDEP - Thomas Northeast	Р					<b>\</b>		•		~	•					<b>~</b>		P,M														
WVDEP - Thomas Phase II	Р							•			•							P,M														
WVDEP - Thomas Phase I Subsidence	Р		~	<b>~</b>	<b>/</b>	<b>\</b>			~	/ /	•					<b>~</b>		P,M														
WVDEP - Glenwood Hills Subsidence	Р		-	·	Ť	·		•		V	•					<b>V</b>		P,M														
WVDEP - Deckers Creek	Р					<b>✓</b>					~		<b>/</b>		<b>/</b>	·		P,M														
MBOM - Kingsland Mine Pool	Р					Ż									•	~		P,M														
MBOM - Kempton Mine Drainage	Р			<b>✓</b>		Ž				Ž			~			Ž		P,M												=		
MBOM - Shallmar Doser	P		~	_		Ž				Ť			Ž			Ž		P,M												-		
MBOM - Jackson Mountain Mine Fire	P		Ž	~		Ž		<b>✓</b>		J		<b>/</b>				Ž		P,M														
MBOM - Spruce Hollow Flood Mitigation	P		_	_		Ž		_		J				+		•		P,M		_										-		
MBOM - Miller Road Subsidence	P									J						~		P,M														
MBOM - Broken Hart Refuse	P	+	~			<b>✓</b>	<b>~</b>			Ž						Ž		P,M												-		
MBOM - Ocean Gob Pile	P	+	V			Ž	V			Ž						Ž		P,M														
MBOM - Porter Road Subsidence	P	+	•							•		-		+		Ž		P,M	-	-							-					
MBOM - Midlothian and Shaft Road Subsidence	P	_								-	,			-		_ <b>v</b> .		P,M														
	P	+			<b>✓</b>											<b>Y</b>																
MBOM - Taste Freez Subsidence	P	+		. 🖈		. 🖈			/	<b>Y</b>						<b>Y</b>		P,M														
ODNR - Frontz / Folly Mine Fire			<b>\</b>	<b>\</b>		<b>~</b>		<b>~</b>								<b>Y</b>		P,M														
ODNR - Blue Bell Mining Refuse Fire	P		<b>'</b>	<b>✓</b>		<b>\</b>		<b>✓</b>				~		1		<b>Y</b>		P,M														
ODNR - Enoch Township Impoundment	P		<b>V</b>			<b>\</b>				<b>\</b>				1		<b>V</b>		P,M														
ODNR - Pauline Mine Impoundment	Р		<b>~</b>			>				<b>\</b>				1		<b>/</b>		P,M														
ODNR - Washington Street Subsidence	Р								_				1			<b>V</b>		P,M														
ODNR - Nelan Road Subsidence	Р							•	/	<b>~</b>			1			<b>V</b>		P,M														
ODNR - Bull Run Restoration	Р		<b>✓</b>			<b>~</b>				<b>✓</b>						<b>V</b>		P,M														
ODNR - Ellesmere Ave. Subsidence I,II,II, & IV	Р								/			<b>~</b>				<b>V</b>		P,M														
ODNR - El Camino Subsidence	Р							•				<b>✓</b>				<b>✓</b>		P,M														
ODNR - Van Atta Subsidence	Р							•	/			<b>~</b>				<b>~</b>		P,M														
ODNR - ST RT. 646 Subsidence	Р											<b>V</b>				<b>V</b>		P,M														
PADEP - Russell Joki Refuse	Р		<b>V</b>			<b>~</b>				<b>✓</b>	•					Ż		P,M														

<sup>\*</sup> List whether project experience is corporate or personnel based or both.

<sup>\*\*</sup> Use this area to provide specific sections or pages if needed for reference.

<sup>\*\*\*</sup> List Primary Design personnel and their functional capacity for the projects listed.