



## ***EXPRESSION OF INTEREST***

***BUYER: CB-23***

***REQ#: DEP14945***

***OPENING DATE: 03/09/2010***

***OPENING TIME: 1:30 pm***

***Keaton Branch Complex***



**PA ENGINEERS &  
CONSULTANTS**

PO Box 279 Louisa, KY 41230 Phone: 606.673.4413 Fax: 606.673.4415

*Prepared By:*

RECEIVED

2010 MAR -1 A 11: 10

PURCHASING DIVISION  
STATE OF WV

**PA ENGINEERS & CONSULTANTS, INC.**

February 16, 2010

Mr. Chuck Bowman  
Purchasing Division  
2019 Washington Street, East  
P.O. Box 50130  
Charleston, WV 25305-0130

Re: DEP14945  
Keatons Branch Complex

Dear Mr. Bowman,

Enclosed please find P & A Engineers Expression of Interest for the above referenced project.

If you should have any questions or need additional information please feel free to call me at our Louisa office, phone (606) 673-4413 or by email at [jsmiley@pandaengineers.com](mailto:jsmiley@pandaengineers.com).

Respectfully,



*Garan Baisden*  
Environmental Project Manager  
P & A Engineers and Consultants



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

# Request for Quotation

RFQ NUMBER  
 DEP14945

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 CHUCK BOWMAN  
 304-558-2157

RFQ COPY

**P&A Engineers and Consultants, Inc**  
**P.O. Box 279**  
**Louisa, KY 41230**

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/10/2010				

BID OPENING DATE:

03/09/2010

BID OPENING TIME

01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001		HR		906-29		
ENGINEER SERVICES, PROFESSIONAL						
EXPRESSION OF INTEREST						
<p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ENGINEERING DESIGN SERVICES AND CONSTRUCTION MONITORING SERVICES AT THE KEATON BRANCH COMPLEX PROJECT IN RALEIGH COUNTY, WEST VIRGINIA, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p>						
***** THIS IS THE END OF RFQ DEP14945 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	606-673-4413	2/22/10
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
PRESIDENT	54-1576914	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE Attachment "B"**

PROJECT NAME <b>DEP14945 Keaton Branch Complex</b>	DATE (DAY, MONTH, YEAR) <b>February 15, 2010</b>	FEIN <b>54-1576914</b>
1. FIRM NAME <b>P &amp; A Engineers and Consultants, Inc.</b>	2. HOME OFFICE BUSINESS ADDRESS <b>P.O. Box 470 Alum Creek, WV 25003</b>	3. FORMER FIRM NAME
4. HOME OFFICE TELEPHONE <b>(304) 756-4066</b>	5. ESTABLISHED (YEAR) <b>1991</b>	6. TYPE OWNERSHIP Individual <input checked="" type="checkbox"/> Corporation Partnership <input type="checkbox"/> Joint-Venture <input type="checkbox"/>
6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		

7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE  
**P & A Engineers and Consultants, Inc., P.O. Box 470, Alum Creek, WV 25003/ (304)756-4066 / Robert S. Martin, President / 27 in Louisa, Ky; 35 in Alum Creek, WV**

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM  
**Robert S. Martin, President**

9. PERSONNEL BY DISCIPLINE

<u>5</u> ADMINISTRATIVE	—	LANDSCAPE ARCHITECTS	—	STRUCTURAL ENGINEERS
— ARCHITECTS	—	MECHANICAL ENGINEERS	—	<u>33</u> SURVEYORS
<u>1</u> BIOLOGIST	—	<u>1</u> MINING ENGINEERS	—	— TRAFFIC ENGINEERS
<u>5</u> CADD OPERATORS	<u>4</u> ENVIRONMENTALISTS	— PHOTOGRAMMETRISTS	<u>2</u> OTHER/Permit Technicians	<u>1</u> OTHER/Air Quality Specialist
— CHEMICAL ENGINEERS	— ESTIMATORS	— PLANNERS: URBAN/REGIONAL		
<u>3</u> CIVIL ENGINEERS	<u>1</u> GEOLOGISTS	— SANITARY ENGINEERS		
— CONSTRUCTION INSPECTORS	— HISTORIANS	— SOILS ENGINEERS		
<u>6</u> DESIGNERS	— HYDROLOGISTS	— SPECIFICATION WRITERS		<u>62</u> TOTAL PERSONNEL
— DRAFTSMEN				

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 4

\*RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.

10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE?  YES  NO

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

<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>

<p>12. A. Is your firm experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?</p>	<p><input checked="" type="checkbox"/> YES Description and Number of Projects: P &amp; A has developed and submitted at least 25 SMA applications in the previous 5 years. These projects have involved Mine Reclamation Engineering. P&amp;A has on its staff a Registered Professional Engineer and an Environmentalist with 17 years and 4 years, respectively, of direct experience in Abandoned Mine Lands Remediation covering 45 projects.</p> <p><input type="checkbox"/> NO</p>
<p>B. Is your firm experienced in Soil Analysis?</p>	<p><input checked="" type="checkbox"/> YES Description and Number of Projects: In the previous 5 years P &amp; A has performed at least 25 overburden and soil analyses in relation to preparation of Surface Mine Applications.</p> <p><input type="checkbox"/> NO</p>
<p>C. Is your firm experienced in hydrology and hydraulics?</p>	<p><input checked="" type="checkbox"/> YES Description and Number of Projects: In the previous 5 years P &amp; A has prepared at least 25 SMA applications. These applications have involved hydrology and hydraulics design including Storm Water Runoff Analysis, pond design, sediment channel design, culvert design, etc.</p> <p><input type="checkbox"/> NO</p>
<p>D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?</p>	<p><input checked="" type="checkbox"/> YES Description and Number of Projects: P &amp; A Engineers has survey crews experienced in setting flight control. A sub-contractor performs the actual flight. P &amp; A also has the software capabilities to develop contour mapping from digital elevation modeling collected from the Statewide Addressing and Mapping Board.</p> <p><input type="checkbox"/> NO</p>
<p>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.)</p>	<p><input checked="" type="checkbox"/> YES Description and Number of Projects: P &amp; A Engineers has worked on at least 10 domestic waterline projects. P&amp;A Engineers has on its staff a Registered Professional Engineer and an Environmentalist that have been involved in 10 AML projects involving the evaluation of aquifer degradation as a result of mining.</p> <p><input type="checkbox"/> NO</p>
<p>F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?</p>	<p><input checked="" type="checkbox"/> YES Description and Number of Projects: In the previous 5 years P &amp; A has prepared at least 25 SMA applications. These applications have involved acid mine drainage evaluation and abatement design.</p> <p><input type="checkbox"/> NO</p>

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.) <b>Martin, Robert S. President/Principal Engineer</b>	YEARS OF AML DESIGN EXPERIENCE: <b>0</b>	YEARS OF AML RELATED DESIGN EXPERIENCE: <b>25</b>	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: <b>20</b>
	Brief Explanation of Responsibilities  <b>As president, Mr. Martin would be responsible for project management and scheduling to assure meeting all project deadlines.</b>		
EDUCATION (Degree, Year, Specialization) <b>B.S. Civil Engineering, 1983</b>			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  <b>REGISTRATION (Type, Year, State) Professional Engineer, 1988, WV Professional Surveyor, 1995, WV</b>			
13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.) <b>Meadows, Charles A. Office Manager/Project Manager</b>	YEARS OF AML DESIGN EXPERIENCE: <b>0</b>	YEARS OF AML RELATED DESIGN EXPERIENCE: <b>25</b>	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: <b>1</b>
	Brief Explanation of Responsibilities  <b>Mr. Meadows is responsible for all aspects of project management, design, layout, and presentation of design projects, reports, specifications and permit applications.</b>		
EDUCATION (Degree, Year, Specialization) <b>B.S. Mining Engineering, 1983</b>			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  <b>REGISTRATION (Type, Year, State) Professional Engineer, 1991-WV, 2007-KY</b>			

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.) <b>Smiley, Jim P. Project Manager</b>	YEARS OF EXPERIENCE		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	YEARS OF AML DESIGN EXPERIENCE: <b>17</b>	YEARS OF AML RELATED DESIGN EXPERIENCE: <b>25</b>	<b>0</b>
Brief Explanation of Responsibilities  <b>Mr. Smiley is responsible for all aspects of project management, design, layout, and presentation of design projects, reports, specifications and permit applications. Mr. Smiley has also served as Project Engineer and Project Manager on 38 Abandoned Mine Lands Projects in West Virginia and four (4) in Kentucky.</b>			
EDUCATION (Degree, Year, Specialization) <b>B.S. Civil Engineering, 1983</b>			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  <b>REGISTRATION (Type, Year, State) Professional Engineer, 1989, WV Professional Surveyor, 1995, WV</b>			
13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)			
NAME & TITLE (Last, First, Middle Int.) <b>Duke Smith, P.E Project Manager</b>	YEARS OF EXPERIENCE		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	YEARS OF AML DESIGN EXPERIENCE: <b>0</b>	YEARS OF AML RELATED DESIGN EXPERIENCE: <b>5.0</b>	<b>0</b>
Brief Explanation of Responsibilities  <b>Mr. Smith is responsible for all phases of conception and design of ponds, sediment channels, drainage channels and related facilities, and preparation of Storm Water Runoff Analysis.</b>			
EDUCATION (Degree, Year, Specialization) <b>B.S. Civil Engineering, 2003</b>			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  <b>REGISTRATION (Type, Year, State)</b>			



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

NAME & TITLE (Last, First, Middle Int.) <b>Baisden, Garan, W. Environmental Specialist</b>	YEARS OF EXPERIENCE	
	YEARS OF AML DESIGN EXPERIENCE: 4	YEARS OF AML RELATED DESIGN EXPERIENCE: 9
	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:	3

Brief Explanation of Responsibilities  
 Mr. Baisden is responsible for various sections of the surface mine application such as: design, layout, water quality, blasting, endangered species, and preservation of historic places. In addition, Mr. Baisden is responsible for preparing permit applications for prospecting operations. Mr. Baisden is also a certified pre-blast surveyor in the state of West Virginia, and has conducted at least 400 surveys over the past 8 years. Mr. Baisden has served as Project Manager/Design Specialist/Field Technician on 5 Abandoned Mine Lands Waterline Extension projects over the past 4 years. Mr. Baisden also served as a Design Specialist for 3 years on Water/Waste-Waterline projects for several public service districts in West Virginia.

EDUCATION (Degree, Year, Specialization)  
**A.S. Computer Aided Drafting & Design, 2004**  
**B.S. Environmental Assessment & Policy, 2009**

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
 REGISTRATION (Type, Year, State)

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

NAME & TITLE (last, First, Middle Int.)	YEARS OF EXPERIENCE	
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:
	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:	

Brief Explanation of Responsibilities

EDUCATION (Degree, Year, Specialization)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
 REGISTRATION (Type, Year, State)

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

**SOFTWARE:**

Microsoft Word  
Microsoft Excel  
AutoCad  
AutoCad Map  
ArcMap  
SurvCadd XML (COGO-Design; DTM-Contours; Section-Profile; Mining)  
REAME (Slope Stability)  
SEDCAD (Hydrology and Hydraulic Design)  
ARMPS (Pillar Stability)  
SURFER  
Terrain Navigator

**EQUIPMENT:**

(19) Desktop Computers and printers networked to servers  
HP DesignJet 1050C Plotter  
HP DesignJet T1100 Plotter  
Cannon IR6800 Color Copier/Scanner  
4 Total Station EDM's  
1 Four Unit Set for GPS Survey

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
Haulroad No. 3 Surface Mine Application Boone County, West Virginia	Coal River Mining, LLC 700 Virginia St. E Suite 240 Charleston, WV 25301	Preparation of Surface Mine Application	\$100,000* *Fees	90%
Surface Mine 5A Surface Mine Application Boone County, West Virginia	Coal River Mining, LLC 700 Virginia St. E Suite 240 Charleston, WV 25301	Preparation of Surface Mine Application	\$120,000* *Fees	70%
Pine Creek No. 2 Surface Mine Application Logan County, West Virginia	Coal-Mac, Inc. 22 Mine Road Holden, WV 25625	Preparation of Surface Mine Application	\$120,000* *Fees	90%
Powdermill Deep Mine Surface Mine Application Logan County, West Virginia	Powdermill Processing, Inc. 31 Emerald Lane Louisa, Ky 41230	Preparation of Surface Mine Application with 401 and 404 permits	\$250,000* *Fees	95%
Surface Mine 7 Alex Fork Surface Mine Application Boone County, West Virginia	Coal River Mining, LLC 700 Virginia St. E Suite 240 Charleston, WV 25301	Preparation of Surface Mine Application	\$150,000* *Fees	60%
White Flame Energy Surface Mine Application Mingo County, West Virginia	White Flame Energy P.O. Box 40 Wharncliffe, WV 25651	Preparation of Surface Mine Application-	\$120,000* *Fees	5%
Surface Mine 5AA Surface Mine Application Boone County, West Virginia	Coal River Mining, LLC 700 Virginia St. E Suite 240 Charleston, WV 25301	Preparation of Surface Mine Application	\$150,000* *Fees	60%

TOTAL NUMBER OF PROJECTS: 7

TOTAL ESTIMATED CONSTRUCTION COSTS: \$ 1,010,000



17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Coalburg #3 Deep Mine U-5012-04	Coal-Mac, Inc. dba Phoenix Coal-Mac Mining, Inc. 1628 West Third Avenue Williamson, WV 25661	\$25,700* *Fees	2005	In progress
Peg Fork Surface Mine S-5018-06	CONSOL 1800 Washington Road Pittsburgh, PA 15241	\$240,000* *Fees	2008	In progress
Pine Creek Surface Mine No. 1 S-5006-07	Coal-Mac, Inc. 22 Mine Road Holden, WV 25625	\$100,000* *Fees	2008	In progress
Rockhouse Branch Surface Mine Amendment S-5017-98	Road Fork Development Company, Inc. State Route 49 Matewan, WV 25678	\$60,000* *Fees	2008	In progress
Taywood West Surface Mine S-5008-02	Southern West Virginia Resources, Inc. P.O. Box 76, Big Branch Road, Naugatuck, WV 25685	\$72,250* *Fees	2005	In progress
Kiah Creek Coalburg Surface Mine S-5015-04	Argus Energy WV LLC P.O. Box 190 Lovely, KY 41231	\$35,500* *Fees	2006	In progress
Deep Mine No. 22 U-3023-07	Alex Energy, Inc. P.O. Box 857 Summersville, WV 26651	\$100,000* *Fees	2008	In progress
Rockhouse Branch Surface Mine S-5017-98	Road Fork Development Company, Inc. State Route 49 Matewan, WV 25678	\$66,000* *Fees	2004	In progress

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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.

20. The foregoing is a statement of facts.

Signature: 

Printed Name: **Robert S. Martin**

Title: **President**

Date: **2/22/10**

AML and RELATED PROJECT EXPERIENCE MATRIX													PROJECT EXPERIENCE					PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional					
PROJECT	Exp. Basis C= Corp P=Personal *	Additional Info Provided in Section (s) **	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/Mitigation/ Replacement	Construction/ Inspection/ Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical Stability	Robert S. Martin, P.E.	Chuck Meadows, P.E.	Jim P. Smiley, P.E.	Garan W. Baisden		
AML - Marianna Refuse	P		X		X	X	X				X					X							
AML - Cedar Grove	P			X	X	X					X		X			X							
AML - Eskdale	P			X	X	X					X		X	X									
AML - Hodgesville	P		X	X	X	X					X		X			X							
AML - Newsome Branch	P		X	X	X	X	X				X		X			X							
AML - Morrison	P			X	X	X					X					X							
AML - Snake Island	P		X			X	X	X			X					X							
AML - Orchard Branch	P		X	X	X	X	X				X		X			X							
AML - Beckley Layne	P		X	X	X	X					X					X							
AML - Quinwood Booth	P			X	X	X			X		X					X							
AML - Lorado	P		X	X	X	X					X					X							
AML - Madeline Refuse	P		X	X	X	X	X			X	X					X							
AML - Rocklick	P		X	X	X	X					X					X							
AML - Wahoo	P		X			X	X	X			X					X							
AML - Meadowbrook	P		X	X	X	X	X				X					X							
AML - Jumping Branch	P		X								X					X							
AML - Beard's Fork	P		X	X	X	X	X			X	X					X							

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

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

\*\*\* List Primary Design personnel and their functional capacity for the projects listed.

AML and RELATED PROJECT EXPERIENCE MATRIX													PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional													
PROJECT	Exp. Basis C= Corp P=Personal *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE																							
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	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/Mitigation/	Replacement Construction	Inspection/ Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical Stability						
AML - Turkey Willow	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Robert S. Martin, P.E.	Chuck Meadows, P.E.	Jim P. Smiley, P.E.	Garan W. Baisden		
AML - Otsego	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			P			
AML - Miller	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			P			
AML - Whitby	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			M.P.			
AML - Barker	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			M.P.			
AML - Gauley River Road	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			P			
AML - Skin Creek	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			M.P.			
AML - Jolo	P																						P			
AML - Tioga	P																						P			
AML - Turkey Gap	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			M.P.			
AML - Leslie(Nelson)	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			M.P.			
AML - Swiss Drennen	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				P		
AML - Minden "C"	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			M.P.			
AML - Weston	P																							P		
AML - Parkette	P																							P		
AML - E. Dupont Ave. Landslide	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				P		
AML - Skin Creek Phase II	P		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			M.P.			

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

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

\*\*\* List Primary Design personnel and their functional capacity for the projects listed.



AML and RELATED PROJECT EXPERIENCE MATRIX		PROJECT EXPERIENCE															PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional					
PROJECT	Exp. Basis C= Corp P=Personal *	Additional Info Provided in Section (s) **	Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation	Mitigation of Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Mitigation/ Replacement Construction Inspection/ Management	Water Treatment Removal	Equipment/Structure Removal	Stream Restoration	Geotechnical Stability	Robert S. Martin, P.E.	Chuck Meadows, P.E.	Jim P. Smiley, P.E.	Garan W. Baisden	Duke Smith, EIT	
AML - Witcher Creek	P		X	X	X	X					X				X	X			M,P			
AML - Crane Creek	P		X		X	X	X				X				X	X			M,P			
AML - Nutter Fort	P		X		X	X		X			X								M,P			
AML - Craigmoor (Strader)	P		X			X			X		X			X					M,P			
AML - Carswell Eroding Refuse	P		X			X	X	X			X			X					M,P			
AML - Muddlety Creek	P		X			X													M,P			
AML - Birch River	P		X			X														P		
AML - Upper Winifrede	P		X			X														P		
AML - Holden	P		X			X														P		
AML - Northfork	P		X			X														M,P		
AML - Clemtown/Moatsville/Arden	P		X			X														M,P		
AML - St. Rt. 47/ Alice Road	P		X			X														P		
Peg Fork Surface Mine	C,P		X			X					X				X	X	M	M	M,P		P	
Pine Creek No. 1	C,P					X					X				X	X	M	M,P	M,P		P	
Pine Creek No. 2	C,P					X					X				X	X	M	M,P	M,P		P	
Powdermill Deep Mine	C,P					X					X				X	X	M	M	M,P		P	
Rockhouse Branch Surf. Mine	C,P					X					X				X	X	M	M,P	M,P		P	

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

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

\*\*\* List Primary Design personnel and their functional capacity for the projects listed.

AML and RELATED PROJECT EXPERIENCE MATRIX													PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional										
PROJECT	Exp. Basis C= Corp P=Personal *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE																				
			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/Mitigation/ Replacement Construction Inspection/ Management	Water Treatment Removal	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability							
Piney Branch Surface Mine Mine No. 22	C,P					X					X			X				Robert S. Martin, P.E.	Chuck Meadows, P.E.	Jim P. Smiley, P.E.	Garan W. Baisden	Duke Smith, EIT	
Coalburg No. 3 Deep Mine	C,P					X								X				M	M,P				
No. 2 Gas Mine No. 2	C,P					X								X				M	M,P				
Lobby Branch Surface Mine	C,P					X								X				M	M,P				
Shaft Branch Surface Mine	C,P					X								X				M	M,P				
Marrowbone Trace Surface Mine	C,P					X								X				M	M,P				
Taywood West Surface Mine	C,P					X								X				M	M,P				
Kiah Creek Coalburg Surface Mine	C,P					X								X				M	M,P				
Phoenix Surface Mine #3	C,P					X								X				M	M,P				
Rockhouse Branch Amend No. 1	C,P					X								X				M	M,P				
Powdermill Branch Haulroad SMA	C,P					X								X				M	M,P				
Stone Mine No. 1 SMA	C,P					X								X				M	M,P				

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\*\* 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.

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 exceeds 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: P&A ENGINEERS AND CONSULTANTS, INC.

Authorized Signature: C. Hughes Date: 2/16/10

State of KENTUCKY

County of LAWRENCE, to-wit:

Taken, subscribed, and sworn to before me this 16 day of FEBRUARY, 2010.

My Commission expires 7-15, 2011.

AFFIX SEAL HERE

NOTARY PUBLIC Tracy A. Arms

**TRACY A. ARMS**  
Notary Public  
State at Large  
KENTUCKY