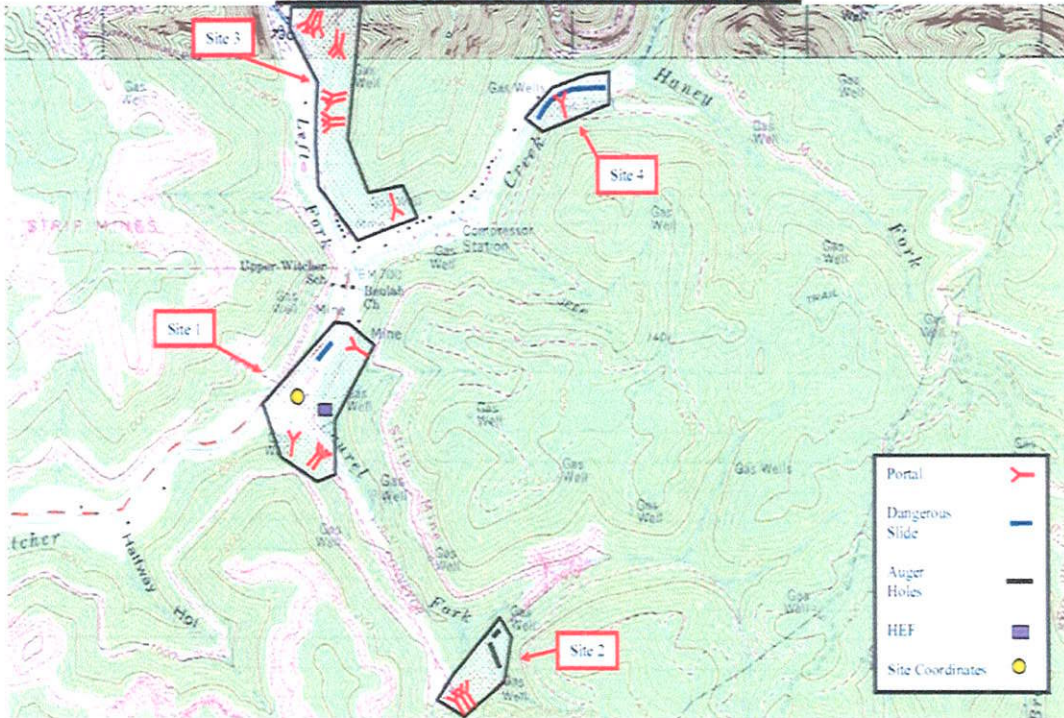


**Expression of Interest**

**West Virginia Department of  
Environmental Protection**

**Office of Abandoned Mine Lands &  
Reclamation**

**Project Location Map Overview  
Witcher Creek Portals & Refuse WV-6020**



Cedar Grove Quad  
Latitude: 38° 14' 18.5"

Kanawha County  
Longitude: 81° 28' 56"

**DEP15601**

**Witcher Creek Portals & Refuse Design**

**March 15, 2012**



WV PURCHASING  
DIVISION



White Brothers Consulting, LLC





*White Brothers Consulting, LLC*

109 West 33<sup>rd</sup> Street  
Belle, West Virginia 25015  
[www.white-brothers.com](http://www.white-brothers.com)

March 15, 2012

Mr. Guy Nisbet, Buyer  
Department of Administration  
Purchasing Division  
2019 Washington Street, East  
Charleston WV 25305-0130

**Re: Expression of Interest  
Witcher Creek Portals & Refuse Design (DEP15601)**

Dear Mr. Nisbet:

White Brothers Consulting, LLC, is pleased to submit our Expression of Interest for the above referenced project. We are a newly formed engineering and surveying company with all members of our firm having AML experience at previous working engagements. If needed, we will utilize a geotechnical or drilling consultant to perform any geotechnical work needed for the project.

White Brothers Consulting, LLC, looks forward to the opportunities and challenges that AML projects present. Please contact us if you have any questions.

Sincerely,

White Brothers Consulting, LLC

Timothy T. White, P.E.  
Member





## TABLE OF CONTENTS

<b>WHITE BROTHERS CONSULTING, LLC</b>	<b>4</b>
<b>WEST VIRGINIA REGISTERED P.E.'S</b>	<b>4</b>
<b>RELATIVE DESIGN EXPERIENCE</b>	<b>5</b>
<b>AVAILABLE WV AML DESIGN TEAM</b>	<b>5</b>
<b>AML CONSULTANT QUALIFICATION QUESTIONNAIRE (CCQ)</b>	<b>6</b>
<b>AML AND RELATED PROJECT EXPERIENCE MATRIX</b>	<b>18</b>
<b>ADDITIONAL PROJECT EXPERIENCE INFORMATION</b>	<b>20</b>





*White Brothers Consulting, LLC*

## **WHITE BROTHERS CONSULTING, LLC**

White Brothers Consulting, LLC, was started by three members in 2012. All members of the firm have previous AML experience dealing with common problem areas associated with this project. Timothy T. White, P.E., has over five years of progressive AML experience. At a previous engagement, Mr. White was the Responsible Engineer in Charge for nine projects, which ranged from sealing and draining a single portal, to regrading over fourteen miles of dangerous highwalls. William G. White, P.E., has previous experience in dealing with AML problem areas at a previous employment. Lee Snyder, P.S., also has design experience in producing AML plans, as well as performing surveying duties on construction projects for AML.

While we are a new company, we have the experience to handle any problem areas created. We look forward to creating a working relationship with the DEP.

## **WEST VIRGINIA REGISTERED P.E.'S**

Currently, White Brothers Consulting, LLC, has two registered Professional Engineers on staff. Timothy T. White, P.E., has twenty years of experience, while William G. White, P.E., has over twenty-five years of experience. Both possess AML experience from previous engagements.



*White Brothers Consulting, LLC*

## **RELATIVE DESIGN EXPERIENCE**

White Brothers Consulting, LLC, has experience in all facets of problem areas associated with the AML program. Our experience ranges from sealing open and collapsed portals; draining portals that require design of conveyance; and regrading of both refuse piles and dangerous highwalls. We have gained valuable knowledge investigating and solving problem areas during previous employment engagements. We also have experience in developing a complete set of plans and construction documents.

## **AVAILABLE WV AML DESIGN TEAM**

All three members of our firm, in addition to CADD help from one employee, would be available to work on this project. Following is a list of those available:

- Timothy T. White, P.E., would be the Responsible Engineer in Charge, and would oversee the design, specifications and costs for the project.
- William G. White, P.E., would assist in the design.
- Lee Snyder, P.S., would oversee any additional surveying needed for the project, as well as provide design and CADD drafting.
- Paula White would perform any additional CADD drafting as needed.

**AML CONSULTANT QUALIFICATION QUESTIONNAIRE (CQQ)**

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

PROJECT NAME <b>DEP15601 Witcher Creek Portals &amp; Refuse</b>		DATE (DAY, MONTH, YEAR) <b>March 2, 2012</b>	FEIN <b>45-3976723</b>
1. FIRM NAME <b>White Brothers Consulting, LLC</b>		3. FORMER FIRM NAME	
4. HOME OFFICE TELEPHONE <b>(304)-561-4477</b>		2. HOME OFFICE BUSINESS ADDRESS <b>109 West 33<sup>rd</sup> Street, Belle, WV 25015</b>	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
5. ESTABLISHED (YEAR) <b>2011</b>		6. TYPE OWNERSHIP Individual Corporation <input type="checkbox"/> X Partnership Joint-Venture <input checked="" type="checkbox"/>	
7. PRESENT OFFICES: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/NO. PERSONNEL EACH OFFICE <b>109 West 33<sup>rd</sup> Street, Belle, WV 25015/304-561-4477/Timothy T. White, P.E./4</b>			

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM  
**Timothy T. White, P.E., member/William G. White, P.E., member/Jeffrey Lee Snyder, P.S., member**

9. PERSONNEL BY DISCIPLINE

ADMINISTRATIVE	1	LANDSCAPE ARCHITECTS	1	STRUCTURAL ENGINEERS
ARCHITECTS	1	MECHANICAL ENGINEERS	1	<b>SURVEYORS</b>
<b>BIOLOGIST</b>	1	<b>MINING ENGINEERS</b>	1	TRAFFIC ENGINEERS
<b>CADD OPERATORS</b>	1	PHOTOGRAMMETRISTS	1	OTHER
CHEMICAL ENGINEERS	1	PLANNERS: URBAN/REGIONAL	1	
<b>CIVIL ENGINEERS</b>	1	SANITARY ENGINEERS	1	
CONSTRUCTION INSPECTORS	1	SOILS ENGINEERS	1	
DESIGNERS	1	SPECIFICATION WRITERS	1	
DRAFTSMEN	1		1	
			4	TOTAL PERSONNEL

**TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 2**  
**\*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

NAME AND ADDRESS:		WORKED WITH BEFORE Yes _____ No _____
NAME AND ADDRESS:		WORKED WITH BEFORE Yes _____ No _____
NAME AND ADDRESS:		WORKED WITH BEFORE Yes _____ No _____
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes _____ No _____
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes _____ No _____
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes _____ No _____
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes _____ No _____
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE Yes _____ No _____



**YES** Description and Number of Projects: **10+ Projects for WVDEP/AML&R performed at previous engagements**

**NO**

B. Is your firm experienced in Soil Analysis?

Description and Number of Projects:

**NO**

C. Is your firm experienced in hydrology and hydraulics?

**YES** Description and Number of Projects: **10+ WVDEP/AML&R projects included hydrology and hydraulics.**

**NO**

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

**YES** Description and Number of Projects:

**NO** We can provide additional survey and mapping as required on projects.

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

**YES** Description and Number of Projects:

**NO**

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

**YES** Description and Number of Projects:

**NO**

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

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.)		
White, Timothy T., P.E. Project Manager, Principal Civil Engineer, Member		
Brief Explanation of Responsibilities		
Project Manager responsible for resource management to assure project schedule and cost. Engineer responsible for grading, hydraulic design, erosion and sediment control, natural stream channel assessment and design.		
EDUCATION (Degree, Year, Specialization)		
B.S., 1992, Civil Engineering		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		
American Society of Civil Engineers American Council of Engineering Companies		
YEARS OF AML DESIGN EXPERIENCE:		YEARS OF EXPERIENCE
5		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 1
YEARS OF AML RELATED DESIGN EXPERIENCE: 16		
REGISTRATION (Type, Year, State)		
P.E., 1999, OH; P.E., 1999, WV; P.E., 2007, VA; P.E., 2008, MD; P.E., 2008, PA; P.E., 2001, AR; P.E., 2003, TX; P.E., 2008, TN; P.E., 2001, KY; P.E., 2010, DC.		

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

NAME & TITLE (Last, First, Middle Int.) <b>White, William G., P.E. Senior Structural Engineer</b>	YEARS OF AML DESIGN EXPERIENCE: <b>4</b>	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: <b>19</b>	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: <b>0</b>
--	---	--	---

Brief Explanation of Responsibilities  
**Senior engineer responsible for structural analysis, design engineering, field investigation, specification writing, engineer's cost estimate, prebid and preconstruction meetings. Has experience in grading of refuse, mine seals, and pile and lagging walls.**

EDUCATION (Degree, Year, Specialization)  
**B.S., 1987, Civil Engineering**

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
**American Society of Civil Engineers  
 American Council of Engineering Companies**

REGISTRATION (Type, Year, State)  
**P.E., 1997, WV; P.E., 1996, OH; P.E., 1999, VA; P.E., 2000, FL;  
 P.E., 2000, NC; P.E., 2000, AR; P.E., 2001, KY**

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>Snyder, Jeffery Lee., P.S. Professional Surveyor</b>	YEARS OF AML DESIGN EXPERIENCE: <b>2</b>	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: <b>2</b>	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: <b>0</b>
--	---	---	---

Brief Explanation of Responsibilities  
**Responsible for all aspects of surveying including photogrammetry control, if required, field editing of mapping, topographic mapping, establishment of survey control monuments and establishing base lines for construction layout and quantity measurement. Also, tax map overlays and detailed property clarifications, as well as CADD design.**

EDUCATION (Degree, Year, Specialization)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
**West Virginia Association of Land Surveyors**

REGISTRATION (Type, Year, State)  
**P.S. 2011, WV**



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

**Software**

**AutoCAD Civil 3D 2012**

**Microstation V8i**

**Surveying Equipment**

**Trimble 4700 modular, RTK Global Positioning Total Station  
SMI Data Collectors (1)**

**Printing/Plotting/Reproduction**

**HP DesignJet 800 Plotter (1)**

PRESENT ACTIVITIES ON WHICH YOU ARE THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Temporary Shoring Design AEP Bridge over Guyandotte River Logan County, West Virginia	USACOE Huntington, WV	\$20,000	5%
Bridge Demolition Plans AEP Bridge over Guyandotte River Logan County, West Virginia	USACOE Huntington, WV	\$50,000	5%
New Subdivision-Plat, Roadway, Utilities South Hills area Charleston, West Virginia	Private Developer/Confidential Client	\$350,000	5%

Continued on next page

15. PRESENT ACTIVITIES ON WHICH YOU ARE THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
<b>TOTAL NUMBER OF PROJECTS: 3</b>			<b>TOTAL ESTIMATED CONSTRUCTION COSTS: \$420,000</b>



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

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
New West Side Elementary School Site Surveying Charleston, WV	Surveying Layout	Kanawha County Schools Charleston, WV	2013	\$6,500,000	\$250,000

Continued on next page

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)

Continued on next page

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 AS 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.

White Brothers Consulting, LLC, is a new engineering and surveying company based in West Virginia. The members of our firm were responsible for AML work that was completed at our previous engagement, and it is with this previous experience, as well as the prior years of our careers, that we are fully capable to perform work for the WVDEP-AML. We look forward to a successful company and successful relationship with the AML program.

20. The foregoing is a statement of facts.

*Timothy T. White*

Signature: \_\_\_\_\_

Title: **Member**

Printed Name: **Timothy T. White, P.E.**

Date: **March 1, 2012**

NOTE: THIS DOCUMENT WILL BECOME VOID AFTER DECEMBER 31 IN CALENDAR YEAR OF DATE HEREON.



# AML AND RELATED PROJECT EXPERIENCE MATRIX



## ADDITIONAL PROJECT EXPERIENCE INFORMATION

Professional experience was gained by all three members of our firm by past employment by others. Timothy T. White, P.E., was the responsible engineer in charge of all design for the nine projects listed on the experience matrix. Highlights of each project include:

- Morgan Run – project problem areas ranged from sealing over 20 portals and providing bat gates, as well as drainage conveyance.
- Roaring Creek – project consisted of regrading over 60 acres of scattered refuse, along with drainage conveyance.
- Drews Creek Highwall – project consisted of a large slide, as well as sealing open and collapsed portals along with drainage conveyance.
- Venus Drainage – project consisted of one draining portal and conveyance of said drainage via a grouted riprap channel.
- Sarah Ann – project consisted of a slide, along with draining portals across a large site and remedied with channels to convey drainage.
- Garden Ground Highwalls – project consisted of regrading over 14 miles of dangerous highwall, along with sealing and installing bat gates where needed to over 100 portals.
- Harris Branch Refuse – project consisted of one small refuse pile that was regraded and drained.
- Kingwood Highwalls – project consisted of regrading one dangerous highwall, two refuse pile regrades and sealing of three portals.
- Shabbyroom Hollow – project consisted of two refuse piles eroding into a creek, and sealing of open and collapsed portals, along with drainage conveyance.
- Robinette Branch Refuse – project consisted of one large refuse pile eroding into a creek, along with drainage conveyance and realigning the existing creek in certain areas.

Along with this experience, Bill White, P.E., has previous AML experience while employed with Ackenheil and Associates in the late 1980's. Lee Snyder, P.S., and Paula White both were a part of the Garden Ground Highwalls project, from designing profiles for drainage channels to general CADD duties.