



*Expression of Interest for  
West Virginia DEP16555  
The Masteller Coal Company S-125-82 and S-10-85  
In Mineral County, West Virginia*

**ORIGINAL SIGNATURE VERSION**

**July 22, 2014**

P.O. Box 245  
653 Camp Joy Road  
Bluefield, Virginia 24605  
(p) 276-690-2392  
(f) 276-322-2958  
[gress@gressengineering.com](mailto:gress@gressengineering.com)

07/18/14 09:50:45AM  
West Virginia Purchasing Division



July 18, 2014

Mr. Frank Whittaker  
West Virginia Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

RE: Expression of Interest - Masteller Design / DEP16555

Dear Mr. Whittaker:

It is a pleasure for Gress Engineering, PC (Gress) to submit this Expression of Interest for Professional Mapping and Design Services at the bond forfeited permits of the Masteller Coal Company (S-125-82 and S-10-85) in Mineral County, WV. Gress is a consulting engineering firm specializing in the mining and civil engineering fields. For this project, we have partnered with REIC Labs from Beckley, WV and True Line from Thorpe, WV.

Mr. Paul Maggard, will be the project manager for Gress Engineering on this project. He has led the completion of a number of AML reclamation projects (with Gress and elsewhere) for the Virginia Department of Mines Minerals and Energy (DMME). Employees of REIC and True Line have worked on a number of AML related projects for the West Virginia Department of Environmental Protection. Gress' work will be completed out of our Bluefield, VA. REIC's and True Line's work will be completed out of their respective home offices.

Gress and it's partners understand the critical nature of needing to get the design related to the Masteller bond forfeited permits completed as quickly as possible. We will have the design completed by the requested February 1, 2015 deadline. We have assumed receiving a September 1, 2014 notice to proceed.

Gress has been in business since 1994. Gress was founded as the in-house engineering staff for a small coal company. We continue to concentrate our business efforts in the coal industry of central Appalachia. We have completed a number of AML reclamation design projects for the DMME. Mining related work is also a large portion of REIC's and True Line's day to day operations. Gress and its partners take the potential environmental impacts related to bond forfeited permits seriously.

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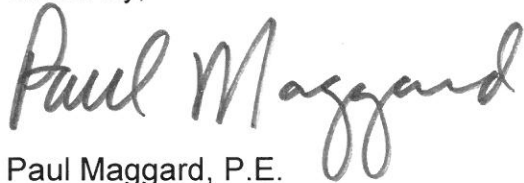
Gress Engineering, PC

PO Box 245 / 653 Camp Joy Road, Building 1-A / Bluefield, VA 24605  
(o)276-322-3360 / (f)276-322-2958 / gress@gressengineering.com

Gress and its partners have worked comfortably together in the past. I feel that each company's expertise and capabilities are very complimentary. REIC will complete any water and soil testing that might be required. REIC will also lead the design of any treatment systems if necessary. True Line will complete all survey work, both property and topographical. The capabilities of Gress, REIC and True Line are expanded upon in the proposal.

I am confident that this information will meet your needs. If you should have any questions or need any additional information, please do not hesitate to give me a call.

Sincerely,

A handwritten signature in black ink that reads "Paul Maggard". The signature is written in a cursive, flowing style.

Paul Maggard, P.E.  
Senior Engineer

Enclosure



*Expression of Interest for  
West Virginia DEP16555  
The Masteller Coal Company S-125-82 and S-10-85  
In Mineral County, West Virginia*

**July 22, 2014**

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## **I. Introduction**

Gress Engineering, PC (Gress) proposes to provide engineering and technical services to the West Virginia Department of Environmental Protection Office of Special Reclamation in order to fulfill the requirements of The Masteller Coal Company S-125-82 and S-10-85 project.

## **II. Firm Profile**

Gress Engineering, PC (Gress) was formed in 1994 to provide engineering services to the mining related community. The services provided included surveying and mapping, mine and associated facilities permitting for the National Pollution Discharge Elimination System (NPDES) and Surface Mining Control and Reclamation Act (SMCRA), basin design, environmental analysis and design, project cost analysis, and project planning and implementation. We have expanded to include professional civil engineering and water resource engineering and biological related services as a part of our available expertise in an effort to better serve our clients and community.

The personnel listed in this Expression of Interest have an average of 10+ years of related experience. Each person brings a different mix of skills and abilities that provide a broad knowledge base when designing or overseeing the implementation of any project. Our AutoCADD operator has experience designing abandoned mine land (AML) features in Virginia and West Virginia. Our water resources engineer has worked on stream restoration projects and has written Total Maximum Daily Loads (TMDLs) and Implementation Plans (IPs) for impaired waters in Virginia.

Gress employees have worked for a wide variety of customers including small deep mine contractors, large mining corporations, land companies, government agencies, and municipalities. We have a reputation for providing solid service both in the design environment and in the 'implementation of plans' real world environment.

Gress has offices located in Gate City, Virginia and Bluefield, Virginia. There is one (1) West Virginia Professional Engineer in each office. The project sites are approximately 275 miles from the Bluefield, Virginia office.

Gress will be utilizing two sub-consultants as part of our project team, True Line, Inc. and Research Environmental & Industrial Consultants (REIC), Inc.

### III. Project Team

Short personal bios for each member of the proposed project team are included below. The proposed members of this team are: George Smith, Principal; Paul Maggard, Project Manager; Megan Maggard, Water Resource Engineer; John Franklin, Civil Engineer; Mark Clendenon, AutoCADD operator; Jim Corner, PE/PS surveyor; Ed Kirk, Water Quality Analyst; and Tim Keeney, Soil Scientist.

**George Smith, PE**, founded and has owned and operated Gress Engineering, PC since 1994. He has over 23 years of experience providing engineering services to central Appalachia. His work has included: mine planning, engineering group management, reserve acquisition analysis, geotechnical analysis, construction (design, manage, & build), site evaluations, all aspects of surveying, & mine permitting in Virginia, Kentucky, and West Virginia. Mr. Smith will insure that personnel are available to complete their tasks in a timely manner so that the project is completed on time and in budget.

**Paul Maggard, PE**, has over 20 years of experience in civil engineering. He has completed Rosgen Levels I, II, III, and IV stream restoration training. His work has included: mine permitting in Virginia, West Virginia and Kentucky, Abandoned Mined Land Reclamation design in Virginia, environmental site assessments, water distribution, wastewater collection, road design and site development in Virginia and Kentucky. Other experience includes; preparation of preliminary engineering reports, preparation of funding applications, coordination of regulatory review of design projects, project management and oversight, economic cost analysis and field inspection services. Mr. Maggard will provide project oversight and direction and attend all meetings. He will schedule work completion and review all project work to insure compliance with project standards and completion of the project in a timely manner.

**Megan Maggard, EIT**, is a graduate of Michigan State University and Virginia Tech with BS and MS degrees in Biological Systems Engineering. Her experience in water resource engineering is 7.5 years. She has completed Rosgen Levels I and II stream restoration training. She has completed many TMDLs and IP studies in Virginia. For these projects, she has performed computer in order to calibrate, determine existing conditions, has evaluated modeling scenarios to determine source allocations required to meet the TMDL endpoints, conducted modeling to evaluate the effectiveness of Best Management Practice alternatives, and developed implementation scenarios with appropriate BMPs.

**John Franklin, EIT**, is a graduate of Virginia with a BS Degree in Civil Engineering. Mr. Franklin joined Gress in April 2014. He has field experience serving as primary inspector on multiple construction projects. His office and design experience has included hydrologic modeling, landfill design, AutoCAD design, Erosion and Sediment Control permitting, and cost estimating.

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**Mark Clendenon, CADD operator**, serves as an engineering technician. His work has included: mine permitting, planning, mapping and design in Virginia, West Virginia and Kentucky, Abandoned Mined Land Reclamation design in Virginia, surveying including road, construction, and property in Virginia and Tennessee, water distribution, wastewater collection and site development in Virginia.

**Jim Corner, PE/PS**, will serve as the primary surveyor. His work has included mine permitting, planning mapping and design throughout the coalfields of West Virginia. He will be in charge of all surveying (property and topographic) on this project.

**Ed Kirk, Biologist**, will be the water quality specialist. His work has included: designing research studies on fisheries, benthic macroinvertebrates and water chemistry; managing biological projects and facilitating communication between clients and government agencies; coordinating meetings and acting as a mediator; conducting biological investigations; and developing and implementing compensatory stream and wetland mitigation projects. He can identify aquatic macroinvertebrate to the Genus level.

**Tim Keeney** will be the **Soil Scientist**. His work has included overburden, native soils, mine soils, and refuse material characterizations. He has worked on surface mine material handling, site remediation and reclamation, environmental baseline studies, and acid mine drainage remediation.

## IV. Management

### a. Personnel

The proposed management of the Gress Engineering staff for this project is shown in the Management Matrix below. Mr. George Smith will be the Principle-in-Charge. He will provide QA/QC for the project and ensure that the project remains on schedule. Mr. Paul Maggard will be the Project Manager. He will oversee the day to day completion of the project tasks. Ms. Megan Maggard and Mr. John Franklin will serve as Project Engineers. They will complete most of the design work and report preparation. Mr. Mark Clendenon will serve as AutoCADD operator. He will assist with the design compilation of drawings.

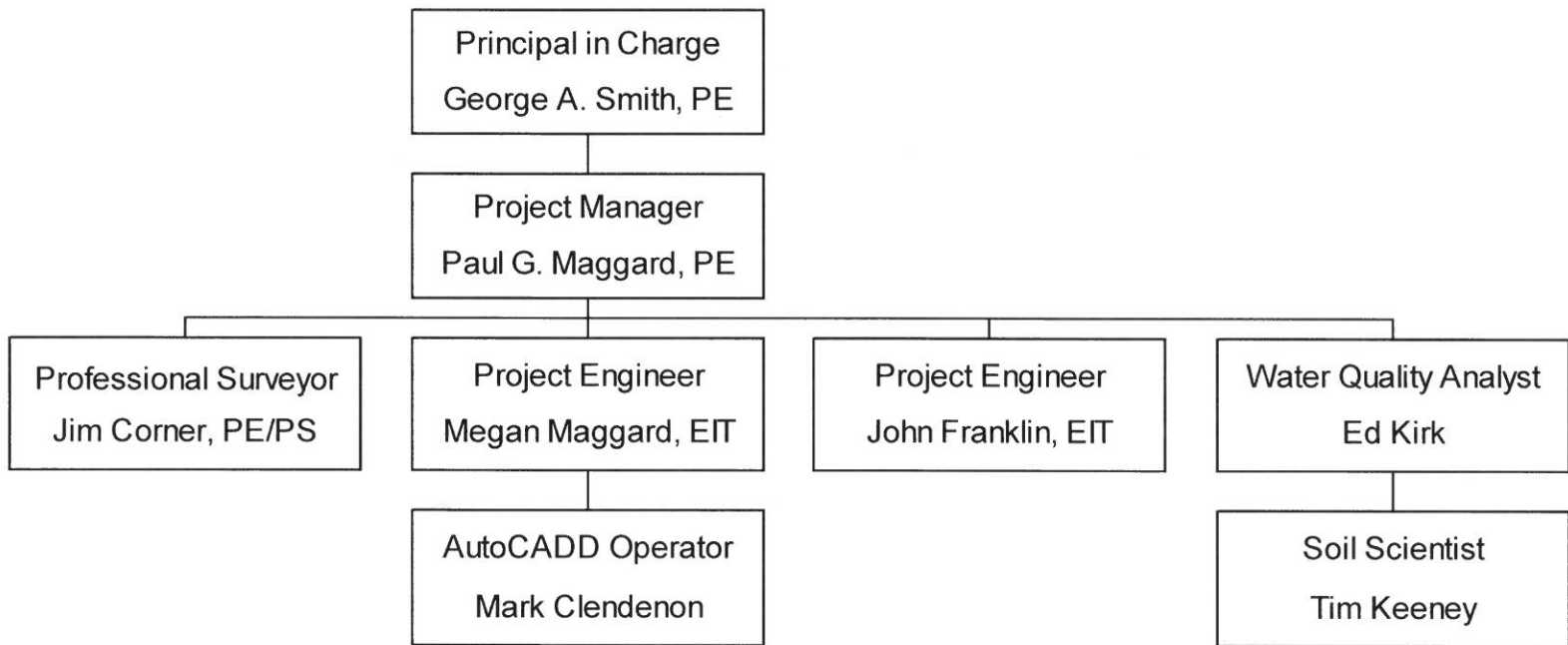
### b. Sub-contractors

Research Environmental & Industrial Consultants (REIC), Inc. will be sub-contracted to assist with any acid related issues, in the water quality or from overburden, which may be present during the project. REIC will provide all water and soil analyses as required by the project. If needed, REIC will also provide benthic sampling.

True Line, Inc. will perform all surveying work needed to complete the project. This work will include topographical and property surveying. All work will be provided in state plan coordinates (West Virginia).



*Proposed Project Team*  
*WVDEP 16555*  
*The Masteller Coal Company S-125-82 and S-10-85*  
*Gress Engineering, PC; True Line, Inc.; and Research Environmental & Industrial Consultants (REIC), Inc.*



### **c. Proposed Project Schedule**

Gress Engineering, PC has identified the following schedule to complete the work needed by the WV DEP:

Complete Project Negotiations – September 1, 2014  
Preliminary Design Documents – November 1, 2014  
Final Design Documents – February 1, 2015  
Ready for Bid – March 1, 2015

## **V. Relevant Experience**

The staff of Gress Engineering, PC is qualified and experienced in the work needed to complete The Masteller Coal Company project. We have experience in site investigations, surveying and mapping of mine permit areas, identifying property owner boundaries, writing erosion and sediment control plans, and performing inspections for each AML project we have completed. Our staff have taken soil samples, designed highwall elimination procedures, and located borrow areas in order to design safe and stable land areas within the Virginia Coalfields. Other projects consisted of the design of open limestone channels, chemical treatment, alkalinity beds, settling ponds, clarifiers, sludge cells, and wetlands in order to treat acid mine drainage (AMD). Our AML work has included ditch design, pond design, and hollow-fill design with various Best Management Practices to reduce flow velocities/quantities and increase water quality. Construction bid packages (Requisition for Quotes) were prepared for these AML projects also. Attachment D contains more detailed information about specific projects Gress has completed.

Gress Engineering, PC personnel are available to review all work to ensure the compliance with the original mine permit reclamation plans and ensure it will meet current industry standards. All permit applications, right-of-ways and appraisal work needed will be handled in-house. Lastly, the project manager will attend all pre-bid and pre-construction meetings.

## **VI. Company Performance**

Gress Engineering, PC employs two professional engineers, one mining and one civil, whose PE licenses have never been called into question. Gress staff operates in a professional and timely manner as proven by the repeated business from the same companies year after year. Gress maintains professional errors and omission insurance.

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To further show our integrity, below are company references if more information about how Gress operates is needed.

State Agency Representative:

Scotty Cox, VA DMLR  
Phone: 276-523-8213  
Email: Scotty.Cox@dmme.virginia.gov

Coal Company Representative:

Debbie Moses, Mountainside Coal  
Phone: 606-786-2121 ext 107  
Email: dmoses@mountainsidecoal.com

Coal Company Representative:

Jeremy Beheler, Mid-Vol Coal Sales  
Phone: 276-988-7915  
Email: jbeheler@midvolcoalsales.com

## **VII. Summary**

We appreciate your consideration of Gress Engineering, PC and our team to complete the reclamation work for The Masteller Coal Company sites.

In summary, our mining, civil, and water resources engineers and staff have completed AML reclamation design projects in Virginia and West Virginia. Our staff has conducted site investigations, performed surveying, and mapping. We have the knowledge and skills necessary to complete the work set forth by WVDEP.

Thank you for your consideration.

## **Attachment A: Required Information**



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

**Solicitation**

NUMBER
DEP16555

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
FRANK WHITTAKER
304-558-2316

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

George A. Smith  
 Gress Engineering, PC  
 P.O. Box 245  
 Bluefield, VA 24605

SHIP TO

ENVIRONMENTAL PROTECTION  
 DEPT. OF  
 OFFICE OF SPECIAL RECLAMATION  
 105 S. RAILROAD STREET  
 PHILIPPI, WV  
 26416-9998 304-457-3219

DATE PRINTED
06/24/2014

BID OPENING DATE: 07/22/2014

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-29		
MASTELLER DESIGN						
EXPRESSION OF INTEREST						
THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL MAPPING AND DESIGN SERVICES AT THE BOND FORFEITED PERMITS OF THE MASTELLER COAL COMPANY S-125-82 AND S-10-85 IN MINERAL COUNTY, WV PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.						
***** THIS IS THE END OF RFQ DEP16555 ***** TOTAL:						

SIGNATURE <i>George A. Smith</i>	TELEPHONE (276) 322-3360	DATE 7/11/2014
TITLE President	FEIN 54-1699371	ADDRESS CHANGES TO BE NOTED ABOVE

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

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

**MANDATE:** Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

**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.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"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.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: George A. Smith  
Authorized Signature: *George A. Smith* Date: 7/11/2014

State of VIRGINIA

County of TAZEWELL, to-wit:

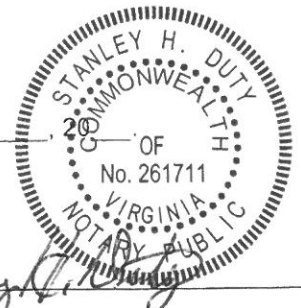
Taken, subscribed, and sworn to before me this 11<sup>TH</sup> day of JULY

My Commission expires OCTOBER 31<sup>ST</sup>, 2014.

AFFIX SEAL HERE

NOTARY PUBLIC

*Stanley H. Duty*

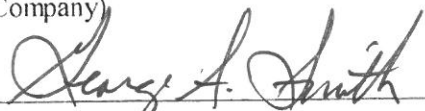


**CERTIFICATION AND SIGNATURE PAGE**

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Gress Engineering, PC

(Company)



(Authorized Signature)

George A. Smith, President

(Representative Name, Title)

(276) 322-3360

(Phone Number)

(276) 322-2958

(Fax Number)

7/11/2014

(Date)

# Commonwealth of Virginia



## STATE CORPORATION COMMISSION

Richmond, February 16, 1994

*This is to Certify that the certificate of incorporation of*

GRESS ENGINEERING CORP.

*was this day issued and admitted to record in this office  
and that the said corporation is authorized to transact its business  
subject to all Virginia laws applicable to the corporation and its  
business. Effective date:*

February 16, 1994



*State Corporation Commission*

*William J. Bridge*

*Clerk of the Commission*



# CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers  
having verified the person in responsible charge is registered in  
West Virginia as a professional engineer for the noted firm, hereby certifies*

**GRESS ENGINEERING, P.C.**

**C00867-00**

**Engineer in Responsible Charge: GEORGE SMITH - WV PE 012728**

*has complied with section §30-13-17 of the West Virginia Code governing  
the issuance of a Certificate of Authorization. The Board hereby notifies you of its  
certification with issuance of this Certification of Authorization for the period of:*

**July 1, 2014 - June 30, 2015**

*providing for the practice of engineering services in the State of West Virginia.*

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,  
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF  
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA  
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

# Your **ACTIVE PE** renewal fee has been received...

Your ACTIVE PE renewal fee has been received. Your pocket card indicating you are entitled to practice engineering in West Virginia until June 30, 2015 may be detached and used until that date unless invalidated as a result of Board audit of your renewal form or formal disciplinary action.

## **IMPORTANT REMINDERS:**

1. Please include your WV ACTIVE PE license number on any correspondence to this office.
2. Please sign the back of this pocket card and carry the registration with you.
3. You are required to immediately notify the Board, in writing, of the following: loss or theft of license or seal, any name change, any address change, or any employment change.

## **West Virginia State Board of Registration for Professional Engineers**

300 Capitol Street, Suite 910  
Charleston, West Virginia 25301  
304-558-3554 Phone  
800-324-6170 Toll Free

## **THIS IS YOUR RENEWAL PAYMENT RECEIPT**

(in addition to your secondary records of either a canceled check or credit card statement, as well as a confirmation email and printed confirmation page if renewing via our website)

## **PLEASE SAVE THIS FOR YOUR RECORDS**



## **West Virginia State Board of Registration for Professional Engineers**

**GEORGE A SMITH**  
**WV PE** [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

**EXPIRES June 30, 2015**



# West Virginia



# 2015

## PROFESSIONAL SURVEYOR

The West Virginia Board of Professional Surveyors certifies that the individual listed below is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2015.

### Board Members

Roy E. Shrewsbury, II, PS  
Nelson B. Douglass, PS  
Mark H. Hornish, PS  
R. Michael Shepp, PS  
Anthony J. Sparacino, Jr.

### Board Administrator

Dennis D. Jarrell

### Administrative Assistant

Connie S. Frame

## GEORGE ALEX SMITH

License # [REDACTED]

Issued: July 1, 2014

Expires: June 30, 2015



Chairman

Secretary



# 2015

State of West Virginia  
Board of Professional Surveyors



## GEORGE ALEX SMITH

License # [REDACTED]

**Issued:**  
July 1, 2014  
**Expires:**  
June 30, 2015

Is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2015

### Continuing Education §23CSR2 2015 PDH Summary

Hours Carried Over	0
Hours Claimed	8
Applied to 2014-15	8
Approved For Carry-Over	0
Minimum Standards	2012
Professional Ethics	2012

### West Virginia Board of Professional Surveyors

738 Airport Road  
Sutton, WV 26601

Phone (304) 765-0315  
Fax (304) 765-0316

Website: [www.wvbps.wv.gov](http://www.wvbps.wv.gov)  
Email: [wvbps@wv.gov](mailto:wvbps@wv.gov)

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## **IMPORTANT REMINDERS:**

1. Please include your WV ACTIVE PE license number on any correspondence to this office.
2. Please sign the back of this pocket card and carry the registration with you.
3. You are required to immediately notify the Board, in writing, of the following: loss or theft of license or seal, any name change, any address change, or any employment change.

## **West Virginia State Board of Registration for Professional Engineers**

300 Capitol Street, Suite 910  
Charleston, West Virginia 25301  
304-558-3554 Phone  
800-324-6170 Toll Free

## **THIS IS YOUR RENEWAL PAYMENT RECEIPT**

(in addition to your secondary records of either a canceled check or credit card statement, as well as a confirmation email and printed confirmation page if renewing via our website)

## **PLEASE SAVE THIS FOR YOUR RECORDS**



## **West Virginia State Board of Registration for Professional Engineers**

**PAUL G MAGGARD**  
WV PE # [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

**EXPIRES June 30, 2015**

**Attachment B: WVDEP-OSR Consultant Qualification Questionnaires  
(CQQ)**

**Gress Engineering, PC**

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

**Attachment "B"**

PROJECT NAME <b>The Masteller Coal Company S-125-82 and S-10-85</b>		DATE (DAY, MONTH, YEAR) <b>11, July, 2014</b>		FEIN NUMBER <b>54-1699371</b>																																					
1.FIRM NAME <b>Gress Engineering, PC</b>		2.HOME OFFICE BUSINESS ADDRESS <b>653 Camp Joy Road, Building 1 Suite A P.O. Box 245 Bluefield, VA 24605</b>		3.FORMER FIRM NAME																																					
4.HOME OFFICE TELEPHONE <b>(276) 322-3360</b>		5.ESTABLISHED (YEAR) <b>1994</b>	6.TYPE OWNERSHIP <b><u>INDIVIDUAL</u> CORPORATION</b>  PARTNERSHIP JOINT-VENTURE		6A.WV REGISTERED DBE (Disadvantaged Business Enterprise)  YES <b>NO</b>																																				
7. PRIMARY OSR DESIGN OFFICE: ADDRESS/TELEPHONE /PERSON IN CHARGE/ NO. OSR DESIGN PERSONNEL EACH OFFICE <b>P.O. Box 245 Bluefield, VA 24605 / 276-322-3360 / George A. Smith / 6</b>																																									
8. PRINCIPAL OFFICERS OR MEMBER OF FIRM <b>George A. Smith, President Paul G. Maggard, Project Manager</b>			8A. NAME, TITLE, & TELEPHONE – OTHER PRINCIPALS <b>George A. Smith, President &amp; Professional Engineer, 276-322-3360 Paul G. Maggard, Professional Engineer, 276-690-2392</b>																																						
9. PERSONNEL BY DISCIPLINE																																									
<table border="0"> <tr> <td><input type="checkbox"/> ADMINISTRATIVE</td> <td><input type="checkbox"/> ECOLOGISTS</td> <td><input type="checkbox"/> LANDSCAPE ARCHITECTS</td> <td><input type="checkbox"/> STRUCTURAL ENGINEERS</td> </tr> <tr> <td><input type="checkbox"/> ARCHITECTS</td> <td><input type="checkbox"/> ECONOMISTS</td> <td><input type="checkbox"/> MECHANICAL ENGINEERS</td> <td><input type="checkbox"/> SURVEYORS</td> </tr> <tr> <td><input type="checkbox"/> BIOLOGISTS</td> <td><input type="checkbox"/> ELECTRICAL ENGINEERS</td> <td><input checked="" type="checkbox"/> <b>MINING ENGINEERS</b></td> <td><input type="checkbox"/> TRAFFIC ENGINEERS</td> </tr> <tr> <td><input checked="" type="checkbox"/> <b>CADD OPERATORS</b></td> <td><input type="checkbox"/> ENVIRONMENTALISTS</td> <td><input type="checkbox"/> PHOTOGRAMMETRISTS</td> <td><input checked="" type="checkbox"/> <b>OTHER (Water Resources Engineer)</b></td> </tr> <tr> <td><input type="checkbox"/> CHEMICAL ENGINEERS</td> <td><input type="checkbox"/> ESTIMATORS</td> <td><input type="checkbox"/> PLANNERS: URBAN REGIONAL</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> <b>CIVIL ENGINEERS</b></td> <td><input type="checkbox"/> GEOLOGISTS</td> <td><input type="checkbox"/> SANITARY ENGINEERS</td> <td></td> </tr> <tr> <td><input type="checkbox"/> CONSTRUCTION INSPECTORS</td> <td><input type="checkbox"/> HISTORIANS</td> <td><input type="checkbox"/> SOILS ENGINEERS</td> <td></td> </tr> <tr> <td><input type="checkbox"/> DESIGNERS</td> <td><input type="checkbox"/> HYDROLOGISTS</td> <td><input type="checkbox"/> SPECIFICATION WRITERS</td> <td><input checked="" type="checkbox"/> <b>6 TOTAL PERSONNEL</b></td> </tr> <tr> <td><input checked="" type="checkbox"/> <b>DRAFTSMEN</b></td> <td></td> <td></td> <td></td> </tr> </table>						<input type="checkbox"/> ADMINISTRATIVE	<input type="checkbox"/> ECOLOGISTS	<input type="checkbox"/> LANDSCAPE ARCHITECTS	<input type="checkbox"/> STRUCTURAL ENGINEERS	<input type="checkbox"/> ARCHITECTS	<input type="checkbox"/> ECONOMISTS	<input type="checkbox"/> MECHANICAL ENGINEERS	<input type="checkbox"/> SURVEYORS	<input type="checkbox"/> BIOLOGISTS	<input type="checkbox"/> ELECTRICAL ENGINEERS	<input checked="" type="checkbox"/> <b>MINING ENGINEERS</b>	<input type="checkbox"/> TRAFFIC ENGINEERS	<input checked="" type="checkbox"/> <b>CADD OPERATORS</b>	<input type="checkbox"/> ENVIRONMENTALISTS	<input type="checkbox"/> PHOTOGRAMMETRISTS	<input checked="" type="checkbox"/> <b>OTHER (Water Resources Engineer)</b>	<input type="checkbox"/> CHEMICAL ENGINEERS	<input type="checkbox"/> ESTIMATORS	<input type="checkbox"/> PLANNERS: URBAN REGIONAL		<input checked="" type="checkbox"/> <b>CIVIL ENGINEERS</b>	<input type="checkbox"/> GEOLOGISTS	<input type="checkbox"/> SANITARY ENGINEERS		<input type="checkbox"/> CONSTRUCTION INSPECTORS	<input type="checkbox"/> HISTORIANS	<input type="checkbox"/> SOILS ENGINEERS		<input type="checkbox"/> DESIGNERS	<input type="checkbox"/> HYDROLOGISTS	<input type="checkbox"/> SPECIFICATION WRITERS	<input checked="" type="checkbox"/> <b>6 TOTAL PERSONNEL</b>	<input checked="" type="checkbox"/> <b>DRAFTSMEN</b>			
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<input type="checkbox"/> DESIGNERS	<input type="checkbox"/> HYDROLOGISTS	<input type="checkbox"/> SPECIFICATION WRITERS	<input checked="" type="checkbox"/> <b>6 TOTAL PERSONNEL</b>																																						
<input checked="" type="checkbox"/> <b>DRAFTSMEN</b>																																									
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>2</u>																																									
*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/SUBCONSULTANTS ANTICIPATED TO BE USED. Attach OSR "Consultant Qualification Questionnaire"

NAME AND ADDRESS:

**True Line, Inc.  
PO Box 85  
Thorpe, WV 24888**

SPECIALTY:

**Surveying surface and underground mined land**

WORKED WITH BEFORE

YES

NO

NAME AND ADDRESS:

**Research Environmental & Industrial  
Consultants (REIC), Inc.  
P.O. Box 248  
Beaver, WV 25813**

SPECIALTY:

**Full-service analytical laboratory; stream &  
wetland delineations; stream & wetland  
mitigation plans; stream & wetland restoration;  
overburden, refuse, & soil surveys and  
analyses; groundwater leaching studies.**

WORKED WITH BEFORE

YES

NO

12. A. Is your firm experienced in Special Reclamation remediation/ Mine Reclamation Engineering?

**YES** Description and number of projects: **Gress is now, and has been, a mining focused consulting company for the last 20 years and has designed reclamation plans, as a part of the SMCRA permitting process, for numerous (dozens) surface and deep mine projects in Virginia, Kentucky, and West Virginia. Gress has participated in field reclamation efforts for several companies over its history as we provided turn-key engineering services for them as a contractual in-house engineering office. Gress has also worked regularly with the VA DMME-AML program in Virginia for over a decade and is one of three consultants on their short list for smaller projects. We have averaged slightly more than a project a year for the VA DMME-AML.**

NO

B. Is your firm experienced in soil analysis and coal refuse analyses?

**YES** Description and number of projects: **Gress has utilized both soil analyses and coal refuse analyses as a part of its design process for reclamation plans many times over the past 20 years. We thoroughly understand them, from both a chemical and a structural standpoint, and their impacts on having successful reclamation.**

NO

C. Is your firm experienced in hydrology and hydraulics for handling mine water discharges on mining sites?

**YES** Description and number of projects: **Gress routinely deals with both hydrology and hydraulics. It is an integral part of every SMCRA permit we design or modify in every state, of every construction project we design, and of every AML project we work on. Our staff has an excellent understanding of both and how they relate, in particular, to mining projects, sites, and reclamation. Almost every project we have dealt with, in the last 20 years, has had to address both of these items.**

NO

D. Does your firm produce its own aerial photography and development of contour mapping?

**YES** Description and number of projects: **Gress does not produce aerial photography but we do produce contour/topographic maps from surveying done in-house. Gress has performed surveying work, in-house, for the last 20 years and currently has real time GPS (GPS-RTK) equipment, total stations, data collectors, etc. for surveying work. We, as in-house consultants for several different mining companies, have done all types of mine surveying both underground and on the surface.**

NO

E. Is your firm experienced in design of highwall elimination, grading and material handling plans for land reclamation?

**YES** Description and Number of Projects: **Gress routinely deals with these items. They are an integral part of every SMCRA permit we design or modify in every state and of most of the AML project we have worked on in one form or another. Our staff has extensive experience developing and designing plans to address moving earth, segregating materials, and eliminating highwalls with stable slopes suitable for reclamation. In fact, almost every project we have dealt with, in the last 20 years, has had to address these items.**

NO



13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE
<b>Smith, George, A.</b>	<b>0</b>	<b>25</b>
Brief explanation of responsibilities		
<b>Principal-in-charge; Quality Control</b>		
EDUCATION (Degree, year, specialization, institution)		
<b>A.S., 1984, Math and Science, Hazard Community College</b>		
<b>B.S., 1987, Mining Engineering, University of KY</b>		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, year, state)	
	<b>Professional Engineer, 1991, VA</b>	
	<b>Professional Engineer , 1991, KY</b>	
	<b>Professional Engineer, 1995, WV / Licensed Surveyor, 1996, WV</b>	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE
<b>Maggard, Paul, G.</b>	<b>0</b>	<b>23</b>
Brief explanation of responsibilities		
<b>Project Management and Quality Control; Meeting attendee</b>		
EDUCATION (Degree, year, specialization, institution)		
<b>B.S., 1994, Civil Engineering, Virginia Polytechnic Institute and State University</b>		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, year, state)	
<b>American Society of Civil Engineers (ASCE)</b>	<b>Professional Engineer, 1998, VA</b>	
	<b>Professional Engineer , 1998, KY</b>	
	<b>Professional Engineer, 2009, TN</b>	
	<b>Professional Engineer, 2012, WV</b>	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE
<b>Maggard, Megan, L.</b>	<b>0</b>	<b>3</b>
Brief explanation of responsibilities		
<b>Writing Narrative; Analyzing and Organizing Data; Complying Full Report</b>		
EDUCATION (Degree, year, specialization, institution)		
<b>B.S., 2001, Biological Systems Engineering , Michigan State University</b>		
<b>M.S., 2003, Biosystems Engineering, Virginia Polytechnic Institute and State University</b>		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, year, state)	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE
<b>John, Franklin, W.</b>	<b>0</b>	<b>2</b>
Brief explanation of responsibilities		
<b>AutoCAD design; Field Investigations; Surveying; SedCAD evaluations</b>		
EDUCATION (Degree, year, specialization)		
<b>B.S., 2011, Civil Engineering, Virginia Polytechnic Institute and State University</b>		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, year, state)	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE
<b>Mark, Clendenon, W.</b>	<b>0</b>	<b>22</b>
Brief explanation of responsibilities		
<b>AutoCAD design and mapping; Field Investigations; Surveying; SedCAD evaluations</b>		
EDUCATION (Degree, year, specialization, institution)		
<b>A.A.S., 1994, Drafting and Design Technology, Mountain Empire Community College</b>		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, year, state)	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE
<b>Duty, Stan</b>	<b>0</b>	<b>44</b>
Brief explanation of responsibilities		
<b>(Part-time) AutoCAD mapping</b>		
EDUCATION (Degree, year, specialization, institution)		
<b>1970, United States Army Pershing Missile Surveying School</b>		
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 OSR DESIGN SERVICES

**Computers: 4 laptops and 4 desktops**

**Printers, Plotters, and Scanner: 3- 42" wide HP plotters; 3- color laser printers; 1- 36" wide scanner**

**AutoCAD: 1 seat of AutoCAD Map; 3 seats of AutoCAD**

**SedCAD: 2 seats**

**Surveying Equipment**

**Vehicles: 4-4 wheel drive vehicles; 1-2 wheel drive car**

**pH, Conductivity, and Flow meters**

**Benthic Organism Sampling Equipment:**

**River Morph: stream analysis software**

**Carlson Civil Suite: 4 seats**

**Carlson Basic Mining: 2 seats**

**Ream**

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

PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
<b>M&amp;H Redesign Project, AML Reclamation Design, Lee County, VA</b>	<b>Virginia Division of Mined Land Reclamation (VADMLR) PO Drawer 900 Big Stone Gap, VA 24219</b>	<b>AML Reclamation Design and Construction Bid Package Preparation</b>	<b>\$500,000.00</b>	<b>20%</b>
<b>Hobbs Branch Project, AML Reclamation Design, Buchanan County, VA</b>	<b>VADMLR PO Drawer 900 Big Stone Gap, VA 24219</b>	<b>AML Reclamation Design and Construction Bid Package Preparation</b>	<b>\$200,000.00</b>	<b>80%</b>
<b>Mountainside Coal Company, Surface Mining Permit (861-5357), Knotts/Whitley County, KY</b>	<b>Mountainside Coal Company, Inc. 7692 South Highway 25W Williamsburg, KY 40769</b>	<b>Permit Requirements, Narrative, Address WVDEP comments</b>	<b>\$1,000,000.00+</b>	<b>Ongoing</b>
<b>Ammar's Inc. Warehouse Expansion, Mitigation/Permitting (VWP General Permit WP4-11-1835), Bluefield, VA</b>	<b>Ammar's Inc. 710 South College Avenue Bluefield, VA 24605 (276) 322-4686</b>	<b>Obtain required permits, Design stream mitigation, Monitor stream mitigation success for 10 years</b>	<b>\$250,000.00</b>	<b>95%</b>
<b>Green Falcon Permit, McDowell County, WV</b>	<b>Mid-Vol Coal Sales, Inc. PO Box 1112 Princeton, WV 24740</b>	<b>Permit Requirements, Narrative, Address WVDEP comments</b>	<b>\$1,000,000.00+</b>	<b>Ongoing</b>
<b>Black Wolf, Navarro Surface Mine Permit, McDowell County, WV</b>	<b>Mid-Vol Coal Sales, Inc. PO Box 1112 Princeton, WV 24740</b>	<b>Permit Requirements, Narrative, Address WVDEP comments</b>	<b>\$1,000,000.00+</b>	<b>Ongoing</b>
<b>Multiple Surface coal Mining Permits and Permit Maintenance, Wise County, VA</b>	<b>Cumberland River Coal Company PO Drawer 109 Appalachia, VA 24216</b>	<b>Permit Requirements, Narrative, Address WVDEP comments</b>	<b>\$1,000,000.00+</b>	<b>Ongoing</b>
<b>Multiple Surface coal Mining Permits and Permit Maintenance, Wise County, VA and Knott County, KY</b>	<b>Nally &amp; Hamilton Enterprises, Inc. PO Box 2323 London, KY 40741</b>	<b>Permit Requirements, Narrative, Address WVDEP comments</b>	<b>\$1,000,000.00+</b>	<b>Ongoing</b>
<b>TOTAL NUMBER OF PROJECTS: 8</b>			<b>TOTAL ESTIMATED CONSTRUCTION COSTS: \$5,950,000.00</b>	

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUBCONSULTANT TO OTHERS					
PROJECT NAME, TYPE & LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME & ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
<b>None</b>					

17. COMPLETED WORK WITH IN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD					
PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	ESIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)	
<b>Baker AMD Site, AML Reclamation Design, Lee County, VA</b>	<b>VADMLR PO Drawer 900 Big Stone Gap, VA 24219</b>	<b>\$61,000.00</b>	<b>2014</b>	<b>Under Construction</b>	
<b>Klondyke Portal Project, AML Reclamation Design, Russell County, VA</b>	<b>VADMLR PO Drawer 900 Big Stone Gap, VA 24219</b>	<b>\$159,000.00</b>	<b>2014</b>	<b>Yes</b>	
<b>Scott County Gob Piles Project, AML Reclamation Design, Scott County, VA</b>	<b>VADMLR PO Drawer 900 Big Stone Gap, VA 24219</b>	<b>\$429,000.00</b>	<b>2014</b>	<b>Under Construction</b>	
<b>Lester Fork Portals Project, AML Reclamation Design, Buchanan County, VA</b>	<b>VADMLR PO Drawer 900 Big Stone Gap, VA 24219</b>	<b>\$290,000.00</b>	<b>2013</b>	<b>Yes</b>	
<b>Little Prater Landslide, AML Reclamation Design, Buchanan County, VA</b>	<b>VADMLR PO Drawer 900 Big Stone Gap, VA 24219</b>	<b>\$174,000.00</b>	<b>2011</b>	<b>Yes</b>	
<b>State Line Strip, McDowell County, WV</b>	<b>Mid-Vol Coal Sales, Inc. PO Box 1112 Princeton, WV 24740</b>	<b>\$1,000,000.00+</b>	<b>2012</b>	<b>Under Construction</b>	
<b>Osaka Wilson Mine, Wise County, VA</b>	<b>Maggard Branch Coal, LLC PO Box 1226 Norton, VA 24273</b>	<b>\$1,000,000.00+</b>	<b>2009</b>	<b>Yes</b>	

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

PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED ( YES OR NO)	FIRM ASSOCIATED WITH
None					

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 Office of Special Reclamation.

Gress Engineering, PC was formed in 1994 for the specific purpose of providing engineering services to the mining, and mining related community. The types of services provided are surveying and mapping, mine design and planning, mine and associated facilities permitting, preparation plant design, impoundment design, fill design, environmental analysis and design, field construction supervision for all types of projects, field reclamation supervision, project cost analysis, project planning and implementation, reserve studies, economic analysis of engineering related services as a part of our available expertise in an effort to better serve the mining community.

The personnel currently listed in this proposal have an average of 20+ years of mining related experience. Each person brings a different mix of skills and abilities to the company that provides for a broad base of knowledge to use when designing or overseeing the implementation of any project. We have, individually or collectively, designed or overseen projects ranging from normal daily field maintenance of a permit, to construction of a 4.5 million dollar stockpiling and unit train loadout facility. Successful reclamation projects have included impoundments, contour strip operations, mountain top operations, deep mine portals, preparation plants, and roads. Emergency field design and construction projects have included repairing failed hollow fills, burning refuse piles, land slides, buried stream channels, leaking ponds, as well as many other items.

Gress and its employees have worked for a wide variety of customers ranging from small deep mine contractors, to large mining corporations, land companies, and to municipal government agencies. We have a reputation for providing solid service both in the design environment and in the 'implementation of plans' real world environment.

20. The foregoing is a statement of facts

Signature:  Title: President \_\_\_\_\_

Date: July 11, 2014 \_\_\_\_\_

Printed Name: George A. Smith

**REI Consultants, Inc.**

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

**Attachment "B"**

PROJECT NAME <b>The Masteller Coal Company S-125-82 and S-10-85</b>		DATE (DAY, MONTH, YER) <b>11, July, 2014</b>		FEIN NUMBER <b>55-0668654</b>		
1.FIRM NAME <b>Research, Environmental, &amp; Industrial Consultants, Inc. (REIC)</b>		2.HOME OFFICE BUSINESS ADDRESS <b>225 Industrial Park Road, Beaver, WV 25825</b>		3.FORMER FIRM NAME		
4.HOME OFFICE TELEPHONE <b>304-255-2500</b>		5.ESTABLISHED (YEAR) <b>1987</b>	6.TYPE OWNERSHIP  <b>INDIVIDUAL CORPORATION</b>  PARTNERSHIP JOINT-VENTURE		6A.WV REGISTERED DBE (Disadvantaged Business Enterprise)  <b>YES NO</b>	
7. PRIMARY OSR DESIGN OFFICE: ADDRESS/TELEPHONE /PERSON IN CHARGE/ NO. OSR DESIGN PERSONNEL EACH OFFICE <b>225 Industrial Park Road Beaver, WV 25825 / Ed Kirk / 304-255-2500 / 0</b>						
8. PRINCIPAL OFFICERS OR MEMBER OF FIRM <b>Dr. James Hern, President &amp; CEO Dr. Clarence Haile, Executive VP &amp; Laboratory Director Ray Erickson, Asst. Laboratory Director Larry Misiti, CFO</b>			8A. NAME, TITLE, & TELEPHONE – OTHER PRINCIPALS <b>Ed Kirk, Biological Division Director, 304-255-2500 Timothy Keeney, Research Soil Scientist/Overburden Manager, 304-255-2500 Michael Hofe, Professional Engineer, 304-255-2500</b>			
9. PERSONNEL BY DISCIPLINE						
___ ADMINISTRATIVE ___ ARCHITECTS <b>4</b> <b>BIOLOGISTS</b> <b>2</b> <b>CADD OPERATORS</b> <b>1</b> <b>CHEMICAL ENGINEERS</b> ___ CIVIL ENGINEERS ___ CONSTRUCTION INSPECTORS ___ DESIGNERS ___ DRAFTSMEN		___ ECOLOGISTS ___ ECONOMISTS ___ ELECTRICAL ENGINEERS ___ ENVIRONMENTALISTS ___ ESTIMATORS <b>1</b> <b>GEOLOGISTS</b> ___ HISTORIANS ___ HYDROLOGISTS		___ LANDSCAPE ARCHITECTS ___ MECHANICAL ENGINEERS ___ MINING ENGINEERS ___ PHOTOGRAMMETRISTS ___ PLANNERS: URBAN REGIONAL ___ SANITARY ENGINEERS ___ SOILS ENGINEERS ___ SPECIFICATION WRITERS		___ STRUCTURAL ENGINEERS ___ SURVEYORS ___ TRAFFIC ENGINEERS ___ OTHER  ___ <b>117</b> TOTAL PERSONNEL
TOTAL NUMBER OF WV REGISTERDD PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>  1  </u>						
*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/SUBCONSULTANTS ANTICIPATED TO BE USED. Attach OSR "Consultant Qualification Questionnaire "

NAME AND ADDRESS:

**REI Consultants, Inc.**

**Is the subcontractor**

SPECIALTY:

WORKED WITH BEFORE

\_\_\_\_\_ **YES**

\_\_\_\_\_ **NO**

12. A. Is your firm experienced in Special Reclamation remediation/ Mine Reclamation Engineering?

YES Description and number of projects: \_\_\_\_\_

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**NO**

B. Is your firm experienced in soil analysis and coal refuse analyses?

YES Description and number of projects: **Overburden analysis, coal refuse analysis, core sample analyses; > 50 projects to-date in 2014**

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NO

C. Is your firm experienced in hydrology and hydraulics for handling mine water discharges on mining sites?

YES Description and number of projects: **Right Fork Ash Mine Compensatory Mitigation Plan, West Virginia Properties, Inc.; 1 project in 2014**

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NO

D. Does your firm produce its own aerial photography and development of contour mapping?

YES Description and number of projects: \_\_\_\_\_

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**NO**

E. Is your firm experienced in design of highwall elimination, grading and material handling plans for land reclamation?

YES Description and Number of Projects: \_\_\_\_\_

---

**NO**

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI) <b>Kirk, Edwin, J.</b>	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE <b>0</b>	YEARS OF OSR RELATED DESIGN EXPERIENCE <b>22</b>
Brief explanation of responsibilities:  <b>Design research studies for fisheries, benthic macroinvertebrates, and water chemistry; Manager all biological projects; Coordinate meetings between client and government agencies; Develop and improve sampling logistics; Supervise field operations, data analysis, and reporting; Conduct biological investigations; Develop compensatory stream and wetland mitigation projects</b>		
EDUCATION (Degree, year, specialization, institution) <b>M.S., 1992, Wildlife and Fisheries Resources, West Virginia University</b> <b>B.S., 1988, Biology, West Virginia University</b>		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS <b>Society of Wetland Scientists</b> <b>Society of Freshwater Scientists</b> <b>West Virginia Coal Association</b>	REGISTRATION (Type, year, state)	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI) <b>Keeney, Timothy, A.</b>	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE <b>0</b>	YEARS OF OSR RELATED DESIGN EXPERIENCE <b>34</b>
Brief explanation of responsibilities:  <b>Characterization of coal overburden, native soils, minesoils, and refuse material; Research on interdisciplinary approach to delineate potentially acid-forming strata and highly fertile strata in order to guide material placement for reduced handling costs, reduce water quality issues, reduce revegetation costs and market land resources following mining</b>		
EDUCATION (Degree, year, specialization, institution) <b>A.A., 1976, Soil Science, Potomac State College</b> <b>B.S., 1978, Soil Science, West Virginia University</b> <b>M.S., 1980, Soil Science, West Virginia University</b>		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, year, state)	

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

NAME & TITLE (Last, First, MI) <b>Hofe, Michael, P.</b>	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE <b>0</b>	YEARS OF OSR RELATED DESIGN EXPERIENCE <b>19</b>

Brief explanation of responsibilities:

**Direct environmental monitoring projects; Supervise groundwater monitoring programs in WV, VA, NC, KY, and TN; Develop groundwater potentiometric maps; Perform statistical analyses of data; Produce groundwater monitoring reports for state agencies; Perform Phase I environmental site assessments; Conduct indoor air quality evaluations; Develop and manage groundwater and leachate research projects**

EDUCATION (Degree, year, specialization, institution)  
**B.S., 1995, Chemistry and Chemical Engineering, West Virginia Institute of Technology**

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, year, state) <b>Professional Engineer, 2001, West Virginia</b> <b>Professional Engineer, 2002, Virginia</b> <b>Professional Engineer, 2002, North Carolina</b>
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14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE OSR DESIGN SERVICES

**Software: AutoCAD 2012 and Arcview**

**Benthic Macroinvertebrate collection equipment**

**Laboratory Equipment**

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

PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
<b>Big Horse Creek Stream Restoration Plan</b>	<b>Client: MSMCC</b>	<b>Stream Design &amp; Construction</b>		
TOTAL NUMBER OF PROJECTS: 1			TOTAL ESTIMATED CONSTRUCTION COSTS: \$	

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUBCONSULTANT TO OTHERS

PROJECT NAME, TYPE & LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME & ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
<b>Morgantown Airport Stream Relocation</b>	<b>Stream Construction</b>	<b>Client: Mountaineer/Preston Construction Company</b>			

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

PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	ESIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
<b>Devils Fork Mine No.2 Compensatory Mitigation Plan</b>	<b>Client: Pocahontas Coal Co.</b>		<b>2014</b>	
<b>Brown Branch Mitigation</b>	<b>Client: Greenbrier Smokeless Coal Co.</b>		<b>2014</b>	<b>Yes</b>
<b>Mercer County Airport Mitigation</b>	<b>Client: Chapman Technical Group</b>		<b>2014</b>	<b>Yes</b>
<b>Right Form Red Ash Mine Compensatory Mitigation Plan</b>	<b>Client: West Virginia Properties, Inc.</b>		<b>2014</b>	
<b>Wetland construction for the treatment of Selenium</b>	<b>Client: International Coal Group, LLC</b>			
<b>Little Coal River Stream Restoration Plan</b>	<b>Client: Coal River, LLC</b>			
<b>Upper Buffalo Creek Stream Restoration Plan</b>	<b>Client:MSCC</b>			
<b>Refuse Expansion Compensatory Mitigation Plan</b>	<b>Client: Greenbrier Smokeless Coal Co.</b>			
<b>Tommy Creek Highwall Mine No. 1 Compensatory Mitigation Plan</b>	<b>Client: United Coal Company</b>			

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

PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Raleigh County Airport Mitigation project; Stream & Wetland Design & Construction	Client: Mountaineer/Preston Construction Company		2014	Yes	

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 Office of Special Reclamation.

20. The foregoing is a statement of facts

Signature: Ed J. Kirk Title: \_\_\_\_\_  
Director - Biological Departments, REI Consultants, Inc.

Date: 07/11/14

Printed Name: Ed J. Kirk

**True Line, Inc.**  
**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**OSR CONSULTANT QUALIFICATION QUESTIONNAIRE**

**Attachment "B"**

PROJECT NAME <b>The Masteller Coal Company S-125-82 and S-10-85</b>	DATE (DAY, MONTH, YER) <b>14, July, 2014</b>	FEIN NUMBER
1.FIRM NAME <b>True Line, Inc.</b>	2.HOME OFFICE BUSINESS ADDRESS <b>PO Box 85 Thorpe, West Virginia 24888</b>	3.FORMER FIRM NAME
4.HOME OFFICE TELEPHONE <b>304-448-2116</b>	5.ESTABLISHED (YEAR) <b>1985</b>	6.TYPE OWNERSHIP <b>INDIVIDUAL CORPORATION</b> PARTNERSHIP JOINT-VENTURE
		6A.WV REGISTERED DBE (Disadvantaged Business Enterprise) <b>YES NO</b>
7. PRIMARY OSR DESIGN OFFICE: ADDRESS/TELEPHONE /PERSON IN CHARGE/ NO. OSR DESIGN PERSONNEL EACH OFFICE <b>PO Box 85, Thoep, West Virginia 24888/ James Corner / 304-448-2116/ 8</b>		
8. PRINCIPAL OFFICERS OR MEMBER OF FIRM <b>Dwight Gillespie James Corner</b>		8A. NAME, TITLE, & TELEPHONE – OTHER PRINCIPALS <b>Dwight Gillespie, President, 304-448-2116 James Corner, General Manager, Professional Engineer / Surveyor, 304-448-2116</b>
9. PERSONNEL BY DISCIPLINE		
<input type="checkbox"/> 1 ADMINISTRATIVE <input type="checkbox"/> ARCHITECHS <input checked="" type="checkbox"/> 1 BIOLOGISTS <input type="checkbox"/> 2 CADD OPERATORS <input type="checkbox"/> CHEMICAL ENGINEERS <input type="checkbox"/> 3 CIVIL ENGINEERS <input type="checkbox"/> CONSTRUCTION INSPECTORS <input type="checkbox"/> 3 DESIGNERS <input checked="" type="checkbox"/> 1 DRAFTSMEN	<input type="checkbox"/> ECOLOGISTS <input type="checkbox"/> ECONOMISTS <input type="checkbox"/> ELECTRICAL ENGINEERS <input type="checkbox"/> ENVIRONMENTALISTS <input type="checkbox"/> ESTIMATORS <input type="checkbox"/> GEOLOGISTS <input type="checkbox"/> HISTORIANS <input type="checkbox"/> HYDROLOGISTS	<input type="checkbox"/> LANDSCAPE ARCHITTECTS <input type="checkbox"/> MECHANICAL ENGINEERS <input checked="" type="checkbox"/> 1 MINING ENGINEERS <input type="checkbox"/> PHOTOGRAMMETRISTS <input type="checkbox"/> PLANNERS: URBAN REGIONAL <input type="checkbox"/> SANITARY ENGINEERS <input type="checkbox"/> SOILS ENGINEERS <input type="checkbox"/> SPECIFICATION WRITERS <input type="checkbox"/> STRUCTURAL ENGINEERS <input checked="" type="checkbox"/> 1 SURVEYORS <input type="checkbox"/> TRAFFIC ENGINEERS <input type="checkbox"/> OTHER <input type="checkbox"/> 13 TOTAL PERSONNEL
TOTAL NUMBER OF WV REGISTERDD PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>4</u>		
*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/SUBCONSULTANTS ANTICIPATED TO BE USED. Attach OSR "Consultant Qualification Questionnaire "

NAME AND ADDRESS:

**True Line, Inc.**  
**Is the subcontractor**

SPECIALTY:

**Property and Mined Line Surveying**

WORKED WITH BEFORE

**YES**

**NO**

12. A. Is your firm experienced in Special Reclamation remediation/ Mine Reclamation Engineering?

YES Description and number of projects: \_\_\_\_\_

NO

B. Is your firm experienced in soil analysis and coal refuse analyses?

YES Description and number of projects: \_\_\_\_\_

NO

C. Is your firm experienced in hydrology and hydraulics for handling mine water discharges on mining sites?

YES Description and number of projects: \_\_\_\_\_

NO

D. Does your firm produce its own aerial photography and development of contour mapping?

YES Description and number of projects: \_\_\_\_\_

NO

E. Is your firm experienced in design of highwall elimination, grading and material handling plans for land reclamation?

YES Description and Number of Projects: \_\_\_\_\_

NO

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI) <b>Corner, James</b>	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE <b>0</b>	YEARS OF OSR RELATED DESIGN EXPERIENCE <b>13</b>
Brief explanation of responsibilities:  <b>Environmental Design and Permitting; Site Planning and Development; Volumetric Accounting for Earth Moving Construction Projects; Slope Stability Analyses; Flood Modeling using HEC HMS and HEC RAS; Underground and Property Surveying</b>		
EDUCATION (Degree, year, specialization, institution) <b>B.S., 2006, Mining Engineering Technology, Bluefield State College</b> <b>B.S., 2004, Civil Engineering Technology, Bluefield State College</b>		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, year, state) Professional Engineer, 2010, WV Professional Engineer, 2009, VA Professional Surveyor / Mine Surveyor, 2006 / 2007, WV	

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE OSR DESIGN SERVICES
<b>Software: AutoCAD 2013, Carlson Software Civil Suite and Mining Packages, SEDCAD4.0, REAME, and HEC HMS and HEC RAS</b>
<b>Surveying Equipment, etc.</b>

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
<b>None</b>				
TOTAL NUMBER OF PROJECTS: <b>0</b>			TOTAL ESTIMATED CONSTRUCTION COSTS: \$	

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUBCONSULTANT TO OTHERS					
PROJECT NAME, TYPE & LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME & ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
East Lynn II, Wayne County, WV	Surveying	Green Mountain Company			
Pleasant Valley Highway, Marion County, WV	Surveying	Pineville Paving & Excavation			

17. COMPLETED WORK WITH IN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	ESIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
None				

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK WHICH YOUR FIRM WAS RESPONSIBLE)					
PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED ( YES OR NO)	FIRM ASSOCIATED WITH
Berwind Lake – Dam Modification, McDowell County, WV	Green Mountain Company		2013		
Hilderbranch Highway, Monongalia County, WV	Green Mountain Company		2013		
Measle Fork Refuse Area, Wyoming County, WV	Green Mountain Company		2012		

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 Office of Special Reclamation.

**True Line Inc. is a multidisciplinary firm with Engineers, Surveyors, and Environmental Scientists. There are 25+ staff members between 2 office locations that are capable of assisting in the completion of projects.**

20. The foregoing is a statement of facts

Signature: *James Corner* Title: *General Manager*

Date: 7/12/2014

Printed Name: James Corner

**Attachment C: OSR and Related Project Experience Matrixes (RPEM)**

**(Gross) OSR and RELATED PROJECT EXPERIENCE MATRIX**

PROJECT	Exp. Basis C-Corp P-Personal *	Additional info provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS														Primary staff participation/capacity *** M-Management P- Professional S-Staff						
			Forfeited Surface Mine Reclamation	Forfeited 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	NPDES/ Stormwater preparation	George Smith	Paul Maggard	Mark Clendenon	John Franklin	Megan Maggard
Baker AMD Site, AML Reclamation Design	C	Appendix D				X				X		X	X		X			M	P	S			
Klondyke Portal Project, AML Reclamation Design	C	Appendix D			X	X				X		X				X		M	P	S			
Scott County Gob Piles Project, AML Reclamation Design	C				X	X				X		X	X					M	P	S			
Lester Fork Portals Project, AML Reclamation Design	C				X	X		X		X			X		X			M	P	S			
Little Prater Landslide, AML Reclamation Design	C				X	X		X		X					X			M	P	S			
M&H Redesign Project, AML Reclamation Design - Lee County, Virginia	C					X				X		X							M	P	S	S	
Hobbs Branch Project, AML Reclamation Design - Buchanan County, Virginia	C					X				X		X		X	X				M	P	S	S	
Mountainside Coal Company, Surface Mining Permit - Knotts/Whitley Counties, Kentucky	C					X				X		X				X			M	P	S	S	S

## (Gress) OSR and RELATED PROJECT EXPERIENCE MATRIX

PROJECT	Exp. Basis C-Corp P-Personal *	Additional info provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS														Primary staff participation/capacity *** M-Management P- Professional S-Staff					
			Forfeited Surface Mine Reclamation	Forfeited 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	NPDES/ Stormwater preparation	George Smith	Paul Maggard	Mark Clendenon	John Franklin
<b>Ammar's Inc. Warehouse Expansion, Mitigation/Permitting - Bluefield, Virginia</b>	C	Appendix D				X					X	X			X			M P		S		S
<b>Mid-Vol Coal Sales, State Line Strip Permit - McDowell County, West Virginia</b>	C	Appendix D				X						X					X	M P		S		
<b>Black Wolf, Navarro Surface Mine Permit - McDowell County, West Virginia</b>	C					X						X					X	M P		S		
<b>Hurricane Fork Subsidence Emergency Project - Russell County, Virginia</b>	C								X		X		X					M	P	S		
<b>Route 674 Landslide Project - Buchanan County, Virginia</b>	C										X		X			X		M	P	S		
<b>Jessee Drainage Emergency Project - Wise County, Virginia</b>	C					X					X		X					M	P	S		
<b>Graham Landslide Emergency Project - Wise County, Virginia</b>	C										X		X			X		M	P	S		

\*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.

**Attachment "C"**



**(REIC) OSR and RELATED PROJECT EXPERIENCE MATRIX**

PROJECT	Exp. Basis C-Corp P-Personal *	Additional info provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS													Primary staff participation/capacity *** M-Management P- Professional					
			Forfeited Surface Mine Reclamation	Forfeited 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	NPDES/ Stormwater preparation	Ed Kirk	Timothy Keeney	Michael Hofe
<b>Right Fork Red Ash Mine Compensatory Mitigation Plan</b>	C											X				X			M	P	P
<b>Devils Fork Mine No. 2 Compensatory Mitigation Plan for Pocahontas Coal Company</b>	C											X				X			M	P	P
<b>Brown Branch Mitigation for Greenbrier Smokeless Coal Company</b>	C											X	X			X			M	P	P
<b>Wetland construction for Selenium treatment for International Coal Group, LLC</b>	C											X	X						M	P	P
<b>Little Coal River Stream Restoration Plan for Coal River, LLC</b>	C											X	X			X			M	P	P

**(REIC) OSR and RELATED PROJECT EXPERIENCE MATRIX**

PROJECT	Exp. Basis C-Corp P-Personal *	Additional info provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS														Primary staff participation/capacity *** M-Management P- Professional													
			Forfeited Surface Mine Reclamation	Forfeited 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	NPDES/ Stormwater preparation	Ed Kirk	Timothy Keeney	Michael Hofe									
<b>Refuse Expansion Compensatory Mitigation Plan for Greenbrier Smokeless Coal Co.</b>	C														X							X				M	P	P		
<b>Tommy Creek Highwall Mine No. 1 Compensatory Mitigation Plan for United Coal Company</b>	C														X								X				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.

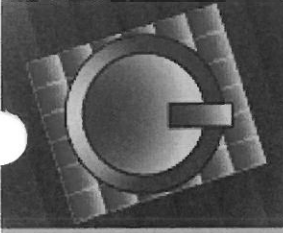
**Attachment "C"**

**(True Line) OSR and RELATED PROJECT EXPERIENCE MATRIX**

PROJECT	Exp. Basis C-Corp P-Personal *	Additional info provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS															Primary staff participation/capacit *** M-Management Professional		
			Forfeited Surface Mine Reclamation	Forfeited 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	NPDES/ Stormwater preparation	James Corner	
<b>East Lynn II</b>	C				X														M	
<b>Pleasant Valley Highwall</b>	C		X																M	
<b>Hilderbranch Highwall</b>	C		X																M	
<b>Measle Fork Refuse Area</b>	C			X															M	

\*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.

**Attachment D: Additional Information**



Gress Engineering, PC

## AMMAR'S INC.—WAREHOUSE EXPANSION

Ammar's Inc.

Warehouse Expansion  
Project

*Bluefield, Virginia*

Contact: Troy Ammars 304-  
123-1234



Gress Engineering, P.C. (Gress) was contracted by Ammar's, Inc. to design a warehouse building pad adjacent to their existing facility,

containing a hillside rock cut, and a restored stream channel (UT to Beaverpond Creek) in order for a warehouse expansion. Gress staff obtained all required permits prior to construction (Erosion & Sediment Control, Land Disturbance, US Army Corp of Engineers, Storm Water Prevention Plan, VA Marine Resources, VA DEQ, US Fish and Wildlife, VA Dept. of Conservation and Recreation, etc.). Beaverpond Creek has endangered mussels downstream of the site which needed to be considered in all activities.

Gress staff then developed bid packages for the project, in conjunction with Ammar's personnel, and conducted the pre-bid meetings and subsequently helped evaluate the bids and choose a contractor. Construction supervision was provided during the project until completion. Following construction, Gress staff has collected data and performed the following activities; planted seedlings, collected benthic macroinvertebrates using the RBPII method, collected water chemistry data, surveyed the stream at two cross-sections and along the profile, performed a stem count, performed pebble counts, and performed the Bank Erosion Hazard Index (BEHI) method.

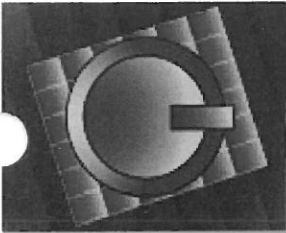
Gress staff continues to be involved in the site performing stream monitoring and subsequent reports at the end of years 2, 4, 7 and 10. If, at the end of 10 years, the restoration efforts are deemed a success, the applicant shall be released from all permit obligations.

*Professional Engineers Licensed in Kentucky, Tennessee, Virginia and West Virginia.*

653 Camp Joy Road, Building 1, Suite A, PO Box 245, Bluefield, Virginia 24605 · (p) 276.322.3360

314 West Jackson Street, Suite 103, PO Box 368, Gate City, Virginia 24251 · (p) 276.690.2392

gress@gressengineering.com · (f) 276.322.2958



Gress Engineering, PC

# VA DMLR—BAKER AMD SITE

Virginia Department of Mines, Minerals, and Energy; Abandoned Mine Land Program

Baker AMD site

*Lee County, Virginia*

Contact Personnel: Jeff Kite  
276.523.8238



The Virginia Department of Mines, Minerals, and Energy contracted Gress Engineering, PC (Gress) to design a treatment system for a series of Acid Mine Drainage (AMD) seeps at the Baker AMD site.

Gress collected water samples and had them analyzed so that the chemical makeup of the stream could be quantified. Wetland and stream delineations were done on site. Topographic surveying, conducted with both GPS RTK and total station instruments, of the site was done to create a close contour interval map to facilitate the design process. Soils were inspected and evaluated for structural stability characteristics.

Design began after completion of data collection. Catch Basins, drains, and channels were designed in the upper reaches below the seeps to collect and begin passive treatment of the discharges. They were designed to have slow flow with high amounts of contact surfaces in order to have the greatest impact on the water chemistry. Channels were designed to be stable in poor soil conditions and to transport the design flows into the wetland. A low dam was designed at the downstream end of the wetland and an augmented planting plan was developed for the wetland to better impact the water.

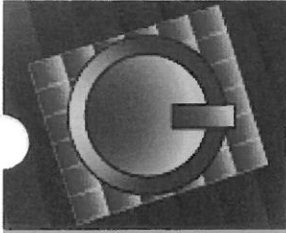
Gress then developed bid packages for the project, in conjunction with DMME personnel, and assisted in the pre-bid meeting and subsequent bid evaluation. Onsite inspections were made as needed/requested by DMME personnel.

*Professional Engineers Licensed in Kentucky, Tennessee, Virginia and West Virginia.*

653 Camp Joy Road, Building 1, Suite A, PO Box 245, Bluefield, Virginia 24605 · (p) 276.322.3360

314 West Jackson Street, Suite 103, PO Box 368, Gate City, Virginia 24251 · (p) 276.690.2392

gress@gressengineering.com · (f) 276.322.2958



Gress Engineering, PC

# VA DMLR—KLONDYKE PORTALS

Virginia Department of Mines, Minerals, and Energy; Abandoned Mine Land Program

Klondyke Portals Site

*Lee County, Virginia*

Contact Personnel: Scotty Cox 276.523.8174



The Virginia Department of Mines, Minerals, and Energy contracted Gress Engineering, PC (Gress) to prepare a design for closing the Klondyke Mine Portals.

The portals were partially collapsed and situated immediately adjacent to a large stream and concrete dam, both of which lie alongside an existing active mine permit. The portals were across the stream from a mine access road and were at stream level, which was several feet below the mine road/area making access complicated. Gress staff performed a detailed topographic survey of the site, conducted with both GPS RTK and total station instruments, in order to create a close contour interval map to facilitate the design process. The stream bottom, highwall above the portals and immediate surrounding area were inspected and evaluated for structural stability characteristics.

A Redi Rock short wall was designed to be recessed into the bedrock of the stream bottom and to tie into the upstream edge of the portal highwall. Rip rap was sized for use as back stack for the entire portal area with concrete grouting after placement. Wet seal drains were designed to allow the free flow of water out of the portals.

Gress then developed bid packages for the project, in conjunction with DMME personnel, and assisted in the pre-bid meeting and subsequent bid evaluation. Onsite inspections were made as needed and requested by DMME personnel.

*Professional Engineers Licensed in Kentucky, Tennessee, Virginia and West Virginia.*

653 Camp Joy Road, Building 1, Suite A, PO Box 245, Bluefield, Virginia 24605 · (p) 276.322.3360

314 West Jackson Street, Suite 103, PO Box 368, Gate City, Virginia 24251 · (p) 276.690.2392

gress@gressengineering.com · (f) 276.322.2958



Gress Engineering, PC

## MID-VOL COAL SALES—STATE LINE STRIP

### State Line Strip

### Surface Coal Mining Permit Acquisition

*McDowell County, West Virginia*

*Contact Personnel: Jeremy Beheler  
276.988.7915*



Gress Engineering, P.C. (Gress) was contracted by Mid-Vol Coal Sales, Inc. to obtain approval of all required permits for their State Line Strip project. Gress staff located and compiled data from multiple sources to perform an initial mine design. A proposed mine permit area was developed and rough spoil balances were calculated in order to perform preliminary fill designs. Field work was conducted to identify and delineate streams and wetlands. Archeological, cultural, environmental, and endangered species surveys, and a watershed analyses were conducted to establish potential impacts and baseline values. Gress staff conducted meetings with the WV DEP and the US Army Corp of Engineers to establish sample locations and stream designation locations. Chemical and biological sampling of the adjacent streams and groundwater began after the points were established. The mining process and areas were further designed and a proposed regrade was established. Subsequently, drainage control structures, roads, backstack, and spoil storage areas were designed. Supporting documentation and narratives were generated and submitted in the form of permit applications to the various agencies for review and comment. Corrections and comments were exchanged until the permits were issued.

The various agencies and associated permits are as follows: WV DEP - SMCRA, WV DEP & US EPA - NPDES, WV DEP - 401, US ACOE - JD, Coalfield Development Community Impact Statement, WV Department of Cultural and Historic Resources Compliance, Compliance with other federal, state, and local agencies.

*Professional Engineers Licensed in Kentucky, Tennessee, Virginia and West Virginia.*

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Improving the environment, one client at a time...

## Statement of Qualifications Biological Department

With twenty-one personnel in the biological department comprising of two aquatic entomologists (one NABS certified), an aquatic biologist, AFS-certified fisheries biologist, a botanist, biological and laboratory technicians, and persons with other fields of expertise, we can perform a very wide range of evaluations. We have dealt primarily with potential impacts resulting from road construction, mining-related, agricultural-related, and potential impacts from commercial development. The majority of our work in this department has focused on mountaintop mining issues such as stream disturbances, stream relocation, and the filling of sections of streams in West Virginia, Virginia, and Kentucky. The final product of these are very detailed Compensatory Mitigation Plans (CMP's) and Stream Restoration Plans which are included in 401 & 404 Permit Applications. To date, we have approximately 80 CMP's within the regulatory review process, and have completed at least 14 restoration/mitigation projects through the construction phase.

We have conducted benthic macroinvertebrate surveys at over 600 locations primarily within the state of West Virginia, and have a full-time, NABS certified taxonomist on staff for all of our macroinvertebrate identifications. Jason Shuttlesworth, our taxonomist, is Genus-Level certified for EPT taxa, and is seeking to obtain his Genus Level Chironomidae certification in November 2011. We have delineated hundreds of miles of streams for our Preliminary Jurisdictional Determinations (PJD's), and have delineated over 100 wetlands within the states of West Virginia, Ohio, Virginia, Kentucky, and Tennessee. We have also performed Environmental Assessments (EA's) and Environmental Impact Studies (EIS's) primarily with regards to potential aquatic impacts. We also have conducted several endangered bat surveys within the state of West Virginia.

We have also conducted many pond and lake studies regarding fisheries enhancements, fisheries management, and amphibian utilization studies for private individuals as well as corporations. In addition, we have also performed several large river studies regarding discharge limitations, toxicity studies, thermal plume, dissolved oxygen, and pH profiles, and benthic macroinvertebrate population studies.

Our toxicity testing facility conducts bioassays within the surrounding states, and performs both short-term acute tests and long-term chronic "WET" tests on the fathead minnow *Pimephales promelas* and several different *Daphnia* species of invertebrate. We raise all of our test organisms in-house to monitor the health and to guarantee proper age of test organisms. We currently hold state certifications for toxicity work in WV, VA, OH, KY, PA, and TN, and we are NELAP certified for toxicity testing.