

**EXPRESSION OF INTEREST  
TO PROVIDE A/E SERVICES FOR THE  
WVDEP, AML&R**

**GORDON "C" REFUSE PROJECT  
BOONE COUNTY, WEST VIRGINIA  
DEP14764**

**Issuing Office:  
West Virginia Department of Environmental Protection  
Office of Abandoned Mine Lands and Reclamation  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304**

**Submitted By:**

**L.A. Gates Company  
2302 South Fayette Street  
Beckley, WV 25801  
(304) 256-1640**

**RECEIVED**

**2009 SEP 22 A 8: 21**

**PURCHASING DIVISION  
STATE OF WV**

**September 22, 2009**

# L. A. GATES COMPANY

ENGINEERS AND CONSULTANTS

LESLIE C. GATES, P.E.  
CHAIRMAN

L. A. GATES, P.E.  
PRESIDENT

J. W. CANTLEY, JR., P.E., P.S.  
EXECUTIVE VICE PRESIDENT

September 22, 2009

State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street, East  
Charleston, WV 25305-0103

Attention: Mr. Chuck Bowman, Buyer

Re: Expression of Interest to Provide Professional A/E Services for the  
WVDEP, Office of Abandoned Mine Lands and Reclamation  
RFQ Number DEP-14764

Dear Mr. Bowman:

L.A. Gates Company is pleased to submit this Expression of Interest to provide professional engineering services for Gordon "C" Refuse project located in Preston County, West Virginia. This project's scope of work is a principal area of expertise for Gates', and our staff is uniquely qualified to complete the tasks required.

Gates' highly technical and experienced staff is capable of providing a wide range of services to engineering projects to include: engineering design, project management, planning, due diligence, feasibility, studies, surveying and construction management. We are specifically targeting AML projects in an effort to expand our services to the industry. We targeted AML because our mining staff is uniquely experienced and qualified for the engineering services required in such projects. Our core staff of engineers and technical staff have an average of 26 years experience directly related to mining design and reclamation.

The Gordon "C" Refuse project specifically relates to reclamation engineering, strength of our mining department. Our management and technical staff have completed over 50 such projects for surface mines, deep mines and coarse refuse facilities. In addition to having the technical and management qualifications and experience to complete this project we are strategically located close to the project area, thus are capable of providing quick on-site assistance when needed.



Gates looks forward to establishing a long-lasting, professional relationship with the West Virginia Department of Environmental Protection Agency Abandoned Mine Lands Office.

Sincerely,  
L.A. Gates Company

Handwritten signature of Jerry W. Cantley.

Jerry W. Cantley, P.E., P.S.  
Chief Operating Officer

Handwritten signature of Patrick M. Murphy.

Patrick M. Murphy, P.E.  
VP – Environmental Engineering

encls.



**Attachment A.....Corporate History and Experience**

**Attachment B.....AML Consultant Confidential Qualification Questionnaire**

**Attachment C.....AML and Related Project Experience Matrix**

**Attachment D.....Signed Expression of Interest**

**Attachment E.....Signed Purchasing Affidavit**



## **Corporate History and Experience**



## **Introduction**

L.A. Gates Company (Gates') proposes to provide architectural and engineering services to the West Virginia Department of Environmental Protection Agency, Office of Abandoned Mine Lands and Reclamation. These services will include: contract administration, geology, engineering, drafting and other tasks as required. The project as outlined in the Expression of Interest is to provide engineering design services for bat gates, wet mine seals, drainage control, regrade and access roads.

Gates is a third generation consulting engineering firm whose origin dates back to 1905. Our roots stem from Gates Engineering Company which had direct lineage to the E.M. Merrill Engineering Company organized in 1905 in Beckley, West Virginia. Gates Engineering Company closed its doors in 1985, at which time L.A. Gates created L.A. Gates Company. Today, Gates is a full-service consulting engineering firm offering a complete range of engineering services to both private and public clients. We are capable of providing services in civil, environmental and mining engineering; gas/oil; geology; feasibility studies; idle property management; construction management and inspections; due diligence; surveying and permitting. Our staff is capable of taking a project from the planning stage, through engineering and into construction, where resident engineering and inspection services are available. For special needs we can call on specialists such as soil scientists, archeologists, foresters, etc.

In an effort to more fully service our clients, Gates recently formed Gates Consultants, a subsidiary of L.A. Gates Company, with the specific goal to align associates from different facets of mining, a wide geographic range, and diverse background for the specific purpose of performing specialized services such as due diligence, financial analysis, mineral appraisals, operational management and process analysis. Gates Consultants is versatile in the fact that it has the flexibility to mix and match its various Associates in order to best meet the client's needs for almost any particular project. Gates Consultants have extensive experience in soft and hard rock mining both domestic and international.

## **Experience**

### ***Mine and Environmental***

Gates offers a full range of mining and environmental services for surface, underground, refuse and reclamation activities. Our projects have included: permitting, reserve analysis, feasibility studies, idle property management, due diligence, geological exploration and engineering design.



We also provide expert testimony on behalf of coal operating companies, equipment manufacturers, and electric utilities in contractual, health and safety, and operations related disputes. Our staff has the capability and the technical and professional expertise to evaluate the productivity of coal operating companies and the validity of coal pricing under long and intermediate term contracts.

Our mining personnel are well known throughout the mining community and have a good and established liaison with both the industry and governmental agencies. L.A. Gates Company, combined with Gates Consultants, has the engineers, geologists and other specialists needed to provide quality experience in the following areas:

- Surface Mine Management
- Coal Reserve Studies
- Mine Planning
- Economic Feasibility Studies
- Mine Management Analysis
- Mine Site Design and Development
- Ventilation Design
- Hydrologic/Hydraulic Design of Erosion and Sediment Control Structures
- Preparation of Revegetation Plans
- Coal Refuse Reprocessing and Reclamation Plans
- Surface/Deep Mine Mining and Reclamation Plans
- Design of Excess Spoil Storage Facilities (Valley Fills)
- Slope Stability Analysis
- Due Diligence
- Haulroad Designs
- Subsidence Control Plans
- Design of Deep Mine/Highwall Mining Wet/Dry Seals
- Design of Bat Gates
- Coal Reserve Studies
- Mine/Refuse Reclamation
- Mine Portal Reclamation

### ***Civil Engineering***

Gates offers a variety of civil engineering functions such as highway design; foundation design, bridge design and surveying. One of our firm's greatest strengths has been our expertise in highway design. At Gates, we utilize the latest CADD and Civil software to perform virtually all aspects of highway design. Our highway projects have ranged in scope from large multi-county alignment studies to urban roadway improvements, and interstate interchanges. This wide variety of projects has given us valuable experience in areas of highway design such as traffic analysis, signalization, storm water systems, right-of-way plans, signing and lighting, and intersection design.

Economic considerations are an integral part of every structural design and we have a strong nucleus of experienced engineers utilizing the most current computer programs available. Our staff routinely completes structural analyses and prepares detailed plans for buildings, dams, retaining walls and industrial facilities. We offer inspections of existing structures to uncover structural damage and to provide the necessary information to ensure that proper maintenance is done to preserve the useful life of the structure.

Our bridge department has extensive experience with simple and multi-span highway bridges and has completed numerous bridges for state and federal agencies



as well as private and industrial facilities. We have comprehensive experience with pre-cast concrete as well as curved and straight steel girder bridges. We utilize the latest computer technology to design structurally efficient bridges and to conduct detailed hydraulic analyses to ensure our designs have the required hydraulic capacity. During the preliminary phase, we pride ourselves on getting the right bridge for the site.

## ***Permitting***

Gates provides a full range of permitting and engineering services for the environmental and mining community. Our staff of engineers, geologists, designers, technicians and support staff are among the best the industry has to offer. Permitting and engineering personnel experience includes:

- Article 3 Permits (MTR, Deep Mine, Contour/HWM, Maintenance Activities, (etc)
- Article 11 Permits (NPDES)
- Quarry Permits
- Air Quality Permits
- AOC Modeling
- Surface Water Runoff Analysis (SWROA)
- Subsidence/Ground Control Plans
- State 401 and USCOE 404 Permits
- Underground Injection Wells
- Coarse Coal Refuse Facilities
- Slope Stability Analysis
- Valley Fill Designs
- Erosion and Sediment Control Design
- Probable Hydrologic Consequence (PHC's)
- Slope and Shaft Permitting and Design
- Reclamation Design

## ***Surveying***

The surveying department for L. A. Gates Company is as experienced and diversified as any of the company's departments. The main thrust behind our surveying experience comes from the Brooks brothers, Estil and Lawrence, who have 34 and 29 years surveying experience, respectively. The brothers were part owners of their own surveying company, Brooks Brothers, until they joined L. A. Gates Company in 1996 to head up our Surveying Department. Some of the surveying tasks performed by L. A. Gates Company crews include the following:

- Field Topographic Surveys
- Aerial Mapping Surveys
- Core Boring Location
- River Sounding
- Utility Locations
- Property Line Locations
- Horizontal and Vertical Control
- Drainage Profiles
- Centerline Stakeout
- Water and Sewer Line Stakeout
- Building and Foundation Stakeout

L. A. Gates Company maintains the latest in state-of-the-art surveying equipment from Total Stations to GPS equipment. We currently possess sufficient equipment to operate two full-time survey crews. Our equipment inventory includes the following:





## **L.A. Gates Company**

## **Corporate History and Experience**

- Total Station - Topcon GTS-300 One  
Second angular accuracy
- Total Station - Leitz Set 4 ten second  
angular accuracy
- Data Collector - FS/2 Collector
- Automatic Level - Topcon AT-F6
- GPS Equipment - Wild/Lecia System  
300 with 3 receiver units

With our ability to provide an extensive staff of qualified individuals, and our recent experience on a wide variety of projects, our team is ready to provide you with highly qualified surveying and related services to assist you with all of your surveying needs.

### ***Gas/Oil***

Gates has recently expanded our services to include oil and natural gas. We brought in engineers capable of providing mechanical design, construction supervision, cost estimating, project management and environmental compliance. We recently secured a contract to perform these services for a major gas/oil company and are in negotiations with others.



Gates' staff of personnel is specifically qualified to perform the engineering functions required within this Expression of Interest. The following personnel qualifications serve as a supplemental to the information requested in Attachment B – Consultant Confidential Qualification Questionnaire.

**Jerry W. (Jay) Cantley, P.S., P.E.** - Mr. Cantley will serve as the contract administrator for this project. Jay has 20 years experience as a civil engineer primarily in the areas of water, wastewater and highway design. Mr. Cantley has been with L.A. Gates Company since 1991 where he has served as Staff Engineer, Chief Civil Engineer, Vice President and now Chief Operating Officer/Chief Civil Engineer. Specific practical industry experience obtained during this time includes: roadway design and plans, surveying, utilities and site work, erosion and sediment control design, construction coordination, management of records and cost and time studies. Mr. Cantley has designed more than 20 roadway and bridge projects, primarily for the West Virginia Department of Transportation. Jay has also successfully negotiated numerous contracts with the Department of Transportation.

**Patrick M. Murphy, P.E.** - Mr. Murphy will serve as project manager. Mr. Murphy is responsible for managing all aspects of the L.A. Gates Company environmental and permitting departments as well as project development for the same. Mr. Murphy has diverse experience in engineering design, environmental permitting, water/wastewater regulatory enforcement and design and construction management. He is responsible for directing all permit preparation, engineering design, drafting and client and agency liaison as it relates to surface and deep mines. His past experience includes: project management and engineering design on over 50 mine permit applications and modifications, project management on several commercial construction projects, water and sewer regulatory enforcement and design review and office management.

**Tim Coleman** - Mr. Coleman will serve as underground mining engineer for this project. Mr. Coleman has over 32 years experience in underground and surface mining. Mr. Coleman is experienced in ventilation, operational management and reclamation.

**Steve Capelli, P.E.** - Mr. Capelli will serve as technical advisor on underground mining issues. Mr. Capelli has over 36 years of experience in many capacities relating to mining and coal processing, as well as land management, and consulting.

**Ed Rehbein, P.G.** - Mr. Rehbein will serve as project geologist. Mr. Rehbein has over 37 years experience in geologic consulting in the coal and gas industry. He has broad experience in coalbed exploration and assessment throughout the North American coal fields. Ed has significant experience in field research and data gathering and compilation, groundwater flow modeling, and coalbed and natural gas reserve evaluations.



**Brian Bair, P.E.** - Mr. Bair will serve as structural engineer for this project. Mr. Bair has 12 years experience in bridge and foundations design. His experience includes: preliminary design, superstructure design, substructure design, detailing, quantities, cost estimates and in-depth checking of all work performed.

**Patricia McCormick** - Ms. McCormick has over 36 years experience in managing permitting projects within the coal industry. She is well experienced and knowledgeable of all facets of permitting to include: surface/deep mines, NPDES, Air Quality and 401/404 permits.

**Gary Keaton, P.E.** - Mr. Keaton will provide civil engineering design for this project. Mr. Keaton has over 16 years engineering and project management experience in highways and the gas/oil industry. Mr. Keaton's experience includes extensive field work in monitoring construction of highways and gas/oil related structures. Mr. Keaton is also well experienced in cost estimating, risk analysis and quality assurance.

**Angie Lilly, E.I.T.** - Ms. Lilly will provide civil engineering design for this project. Ms. Lilly has over five years experience in engineering related to the mining industry. Her experience includes slope stability analysis, hydrology, hydraulics and road design. Mrs. Lilly also has experience in managing permitting projects for several large coal companies.



**AML Consultant Confidential Qualification  
Questionnaire**

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

PROJECT NAME - **Gordon "C" Refuse Requisition # DEP 14764**      DATE (DAY, MONTH, YEAR) **September 22, 2009**      FEIN - **#55-0649591**

1. FIRM NAME - **L. A. Gates Company**      3. FORMER FIRM NAME - **Gates Engineering**

2. HOME OFFICE BUSINESS ADDRESS **2302 South Fayette Street, Beckley, WV 25801**

4. HOME OFFICE TELEPHONE **304-256-1640**      5. ESTABLISHED (YEAR) **1985**      6. TYPE OWNERSHIP **Corporation**

6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES **NO x**

7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE  
**2302 South Fayette Street, Beckley, WV 25801/304-256-1640/ L. A. Gates / 12**

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM  
**L. A. Gates P.E., President, 304-256-1640 ext.101**      8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS  
**Jay Cantley, P.E., Chief Operations Officer, 304-256-1640 ext.107**

9. PERSONNEL BY DISCIPLINE

2 ADMINISTRATIVE ARCHITECTS	ECOLOGISTS	LANDSCAPE ARCHITECTS	1 STRUCTURAL ENGINEERS
BIOLOGIST	ECONOMISTS	MECHANICAL ENGINEERS	2 SURVEYORS
2 CADD OPERATORS	ELECTRICAL ENGINEERS	3 MINING ENGINEERS	TRAFFIC ENGINEERS
CHEMICAL ENGINEERS	ENVIRONMENTALISTS	PHOTOGRAMMETRISTS	
4 CIVIL ENGINEERS	ESTIMATORS	PLANNERS: URBAN/REGIONAL	
CONSTRUCTION INSPECTORS	1 GEOLOGIST	SANITARY ENGINEERS	* Employees also perform these services.
2 CADD DESIGNERS	HISTORIANS	SOILS ENGINEERS	
	HYDROLOGISTS	1 SPECIFICATION WRITERS	18 TOTAL PERSONNEL

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: **6**  
 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       N/A

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

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

12. A Is your firm experienced in Abandoned Mine Land Remediation/Mine Reclamation Engineering?

YES Description and Number of Projects: Patrick Murphy provided project management and engineering design for both Article 3 and AML permitting for the Buck Lilly Surface Mine located near Anjean, WV. This scope of this project was to remove abandoned refuse for use in a future co-generation plant and reclaim the site with spoil from the Buck Lilly Surface Mine.

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: Patrick Murphy performed soils research for a corps of engineer project analyzing the affects of woody vegetation in levee's; he also performed soils analysis for CTL Engineering for the Eastpoint II Shopping Center in Bridgeport, WV.

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: Our current and past projects have and do include hydrology and hydrologic analysis and design for major projects such as surface/deep mines and major highways. At a minimum, five of our engineers perform these functions daily. Samples of experience include: peak flow analysis, pipe sizing, ditch designs, spillway designs, modeling, sediment/stormwater structure designs, etc.

NO

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

YES Description and Number of Projects:

NO

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

YES Description and Number of Projects: Our personnel have designed numerous domestic waterline projects to include: 1 . Patrick Murphy served as a district engineer for the WVBPB where he inspected potable water systems, inspected waterline construction, reviewed water/sewer line plans and taught water treatment operator courses.

NO

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

YES

NO

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	
<p><b>Gates, Leslie A., P. E., President</b></p> <p>Brief Explanation of Responsibilities</p> <p>As president, L.A. Gates is responsible for overseeing all activities related to the company.</p> <p>EDUCATION (Degree, Year, Specialization)                      B. S., 1978, Mining Engineering                      B. S., 1972, Business Administration</p> <p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS                      National Society of Professional Engineers (NSPE)                      American Inst. of Mining, Metallurgical, Petroleum Engineers (AIME)</p>	2	20	5
<p>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</p>			
<p><b>Cantley, Jerry W. P. E., P. S. Chief Operations Officer</b></p> <p>Brief Explanation of Responsibilities</p> <p>Mr. Cantley will serve as project contract administrator. He will be responsible for overall management and performance of the project. He will review work, visit site with Mr. Murphy and guide the preparation of the Scope of Work.</p> <p>EDUCATION (Degree, Year, Specialization)                      B. S., 1987, Civil Engineering</p> <p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS                      American Society of Civil Engineers</p>	0	5	5
<p>REGISTRATION (Type, Year, State)                      P.E., 1983, CO.                      P.E., 1983, WV.</p> <p>REGISTRATION (Type, Year, State)                      P.E., 1994, WV P.E., 2003, VA                      P.S., 1995, WV</p>			



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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	
<p><b>Murphy, Patrick M., P.E.</b>  <b>Vice President – Environmental Engineering</b></p> <p>Brief Explanation of Responsibilities</p> <p>Mr. Murphy will be responsible for managing day-to-day project activities and management of the Gates' staff. Specific duties will include ensuring project activities are completed on-time, with-in budget and within specification, provide engineering oversight, providing signature and certification of project documents. He will serve as liaison between L.A. Gates and the WVAML personnel.</p> <p>EDUCATION (Degree, Year, Specialization)                      B.S., 1997, Civil Engineering Technology                      M.S., 2003, Environmental Engineering</p> <p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS</p>	1	12	0
<p>REGISTRATION (Type, Year, State)                      P.E., 2004, WV                      P.E., 2009, PA</p>			
<p>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</p>			
NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	
<p><b>Capelli, Steve G., P.E.</b>  <b>President – Gates Consultants</b>  <b>Associate – L.A. Gates Company</b></p> <p>Brief Explanation of Responsibilities</p> <p>Mr. Capelli will serve as technical advisor for mining related activities.</p> <p>EDUCATION (Degree, Year, Specialization)                      B. S., 1973, Mining Engineering</p> <p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS                      Society of Mining Engineers</p>	0	36	0
<p>REGISTRATION (Type, Year, State)                      P.E., 1975, WV</p>			

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

NAME & TITLE (Last, First, Middle Int.)		YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
<b>Coleman, Tim</b> <b>Vice President – Mining Engineering</b>		5	32	0
Brief Explanation of Responsibilities				
Mr. Coleman will provide mining engineering supervision and design.				
EDUCATION (Degree, Year, Specialization)				
B.S., 1979, Mining Engineering				
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS				
Society of Mining Engineers American Institute of Mining Engineers				
13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)				
NAME & TITLE (Last, First, Middle Int.)		YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
<b>Lilly, Angelia, E.I.T.</b> <b>Staff Engineer</b>		0	5	0
Brief Explanation of Responsibilities				
Mrs. Lilly will be responsible for preparing engineering calculations related to hydrology, sediment and erosion control structures and haulage roads.				
EDUCATION (Degree, Year, Specialization)				
B.S. Civil Engineering Technology B.S. Architectural Engineering Technology				
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS				
REGISTRATION (Type, Year, State) E.I.T., 2009, WV				

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
<b>McCormick, Patricia</b> Permit Manager	0	0	0

Brief Explanation of Responsibilities  
 Ms. McCormick will be responsible for preparation of project reports and management of any permitting related issues.

EDUCATION (Degree, Year, Specialization)  
 N/A

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

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
<b>McClung, Rick</b> CADD Designer	0	10	0

Brief Explanation of Responsibilities  
 Mr. McClung will be responsible for the preparation of construction details, drawings, technical specifications, and management of drafting activities.

EDUCATION (Degree, Year, Specialization)  
 B.S., Architectural Technology  
 A.S., Civil Engineering Technology

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

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

NAME & TITLE (Last, First, Middle Int.) <b>Rector, Robert</b> <b>CADD Designer</b>	YEARS OF EXPERIENCE		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 10
	YEARS OF AML DESIGN EXPERIENCE: 0	YEARS OF AML RELATED DESIGN EXPERIENCE: 20	

Brief Explanation of Responsibilities  
Mr. Rector will be responsible for preparation of project construction drawings, details and technical specifications.

EDUCATION (Degree, Year, Specialization)  
A.S., 1988, Drafting and Design

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

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

NAME & TITLE (Last, First, Middle Int.) <b>Bair, Brian P.E.</b>	YEARS OF EXPERIENCE		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 2
	YEARS OF AML DESIGN EXPERIENCE: 0	YEARS OF AML RELATED DESIGN EXPERIENCE: 10	

Brief Explanation of Responsibilities  
Mr. Bair will provide structural engineering expertise and design as required.

EDUCATION (Degree, Year, Specialization)  
B.S., 2000, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
REGISTRATION (Type, Year, State)  
P.E., 2004, WV  
P.E., 2009, VA

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

NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
<b>Keaton, Gary P.E.</b>		YEARS OF AML DESIGN EXPERIENCE: 0	YEARS OF AML RELATED DESIGN EXPERIENCE: 16
		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:	0

Brief Explanation of Responsibilities  
 Mr. Keaton will provide engineering design related to gas/oil construction, inspection as well as hydrology, slope analysis and road design.

EDUCATION (Degree, Year, Specialization)  
 B.S., 1993, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
 Association for the Advancement of Cost Engineering  
 American Society of Civil Engineers  
 American Concrete Institute

REGISTRATION (Type, Year, State)  
 P.E., 1999, WV P.E., 2004, PA  
 P.E., 2004, VA

NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
		YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:
		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:	0

Brief Explanation of Responsibilities

EDUCATION (Degree, Year, Specialization)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

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

Carlson 2007 and 2008 (All Modules)

Autodesk – AutoCAD 2007, 2008, 2009, 2010

SEDCAD 4: Hydrology Software

REAME: Slope Stability

Eagle Point 2007 Civil Design Software

HEC-RAS: Open Channel Flow Software by the USCOE

HY-22: Highway and Urban Drainage Design Software

SurvCADD

Microsoft Office: Word, Power Point, and Excel

TOPCON Total Station Transit with TDS Husky FS/2 Data Collector

LEICA GPS System 200

TOPCON At-G2A Auto Level

HP DESKJET 3100, 1050C plotters, 5550n, 9050n printers

MR SID (911 Aerial Imaging/Mapping Software)

DAMBRK: Flood Routing and Dam Safety Analysis Software

Maptech Terrain Navigator

Various Dell Laptop and Stationary Computers and Servers

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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Sewell No. 1 Mine Deep Mine Facility Curtin, WV	Spring Creek Energy 806 Main Street Summersville, WV	Engineering and Permitting services for deep mine facility, NPDES & 401 permits	\$103,000 (FEE)	80
Tioga Refuse Facility Remining Permit Tioga, WV	WVCR, LLC 920 South Eisenhower Drive Beckley, WV	Engineering and Permitting services for remining of coarse refuse facility, NPDES and 401 permits	\$55,000 (FEE)	30
Dingess No. 2 Gas Deep Mine Deep Mine Facility Buffalo Creek, WV	INR, WV Main Street Man, WV	Engineering and Permitting services for deep mine facility, NPDES & 401 permits	\$120,000 (FEE)	20
Hardway Branch Surface Mine Regrade/Drainage Revision Drennen, WV	Alex Energy, Inc Summersville, WV	Engineering and permitting service for regrade and drainage revision	\$20,000 (FEE)	90
Right Fork Surface Mine Regrade/Drainage Revision Drennen, WV	Alex Energy, Inc Summersville, WV	Engineering and permitting service for regrade and drainage revision	\$25,000 (FEE)	85
Peerless No. 1 Mine Subsidence Revision Dixie, WV	Alex Energy, Inc Summersville, WV	Engineering and permitting service for subsidence revision	\$20,000	60
East Beckley Bypass Beckley, WV	WV DOT-DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design and surveying for 3.7 miles of five lane highway and a 1,200' long bridge	\$40,000,000	99
Mill Creek Bridge Raleigh County, WV	WV DOT-DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design and surveying for 330' bridge replacement over Mill Creek	\$2,600,000	97

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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Bradshaw Bridge Replacement Bradshaw, WV	WVDOT-DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design of a 90' bridge replacement over Bradshaw Creek	\$1,500,000	90
South Mineral Wells Interchange Extension	WVDOT-DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design of a 400' bridge over Tygart Creek.	\$9,300,000	99
Bramwell Bridge	WVDOT-DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design of a 440' bridge over Bluestone River.	\$2,000,000	0
TOTAL NUMBER OF PROJECTS: 11			TOTAL ESTIMATED CONSTRUCTION COSTS: \$55,243,000	





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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Longbottom Contour Mine Contour/Highwall Mine Sharon, WV	Magnum Coal Company Charleston, WV	\$97,000 (FEE)	2007	YES
Midland Trail Surface Mine Surface Mine Anjean, WV	Midland Trail Resources P.O. Box 0 Rupert, WV	\$ 95,000 (FEE)	2007	YES
Spring Creek Haulroad Engineering Design Curtin, WV	Spring Creek Energy Summersville, WV	\$7,892 (FEE)	2007	NO
Winifrede X-1 Deep Mine Regrade/Drainage Revision Drennen, WV	Alex Energy, Inc. Summersville, WV	\$10,000 (FEE)	2007	YES
Midland Mine No. 2 Subsidence Control/Drainage Drennen, WV	Midland Trail Resources Rupert, WV	\$10,000 (FEE)	2007	YES
Dents Run Impoundment Impoundment Abandonment Mannington, WV	Consol Monongah, WV	\$40,000 (FEE)	2007	YES
Cowen Loadout Facility Coal Loadout Cowen, WV	Atlantic Leaseco Summersville, WV	\$20,000 (FEE)	2007	YES
Jones Branch Loadout Regrade/Drainage Revision Drennen, WV	Power Mountain Coal Summersville, WV	\$8,000 (FEE)	2008	YES

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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Longbranch Surface Mine Reserve Evaluation Longbranch, WV	Alex Energy, Inc. Summersville, WV	\$18,500 (FEE)	2008	N/A
Empire Coalburg Deep Mine Deep Mine Complex Kayford, WV	Republic Energy, Inc. Mossy, WV	\$35,000 (FEE)	2008	NO
Source Water Evaluation & Design Water System Design Man, WV	INR Man, WV	\$8,000 (FEE)	2008	YES
Tate Run Surface Mine Regrade/Drainage Revision Drenner, WV	Alex Energy, Inc. Summersville, WV	\$25,000 (FEE)	2008	NO
Grafton High School Arch Bridge Taylor County, WV	WVDOT-DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$1,202,000	2005	YES
Shepherd Bridge Marshall County, WV	WVDOT-DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$1,274,000	2004	NO
Greenbrier Avenue Bridge Greenbrier County, WV	WVDOT-DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$1,098,913	2004	YES
Slab Fork - Surveyor Creek Road Coalfields Expressway Raleigh County, WV	WVDOT-DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$26,700,000	2004	YES

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD		AS THE DESIGNATED ENGINEER OF RECORD	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER				
Main Street Bridge Wetzel County, WV	WV DOT-DOH 1900 Kanawha Boulevard, East Charleston, WV 25305		\$1,320,000	2007	YES
Allen Creek – Big Bridge Coalfields Expressway Raleigh County, WV	WV DOT-DOH 1900 Kanawha Boulevard, East Charleston, WV 25305		\$24,000,000	2007	YES
Bluestone Hydroelectric Project Hinton, WV	Tri Cities Power Authority City Hall Hinton, WV		\$50,000,000	2007	NO
Clay Center Charleston, WV	Clay Center Leon Sullivan Way Charleston, WV 25305		\$130,000,000	2004	YES

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS RESPONSIBLE	PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program. LA Gates Company staff has a wide variety of professional experience from both engineering and from an operations perspective. Projects completed include mine designs, road designs, drainage and sediment control structure designs, reclamation design, bridge design, and highway design. Gates is capable of performing any assignment associated with mining and reclamation.

20. The foregoing is a statement of facts.

Signature: Patrick M. Murphy Title: VICE PRESIDENT Date: 9-21-08  
 Printed Name: PATRICK M MURPHY



## **AML and Related Project Experience Matrix**

**AML and RELATED PROJECT EXPERIENCE MATRIX**

PROJECT	Exp. Basis C=Corp. P=Personal	Additional Info Provided in Section (3)	PROJECT EXPERIENCE REQUIREMENTS																PRIMARY STAFF PARTICIPATION/CAPACITY		
			Abandoned Surface Mines Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Ceval.	Reming Evaluation	Mine/Reuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Regulation/Re placement	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Tim Coleman	Patrick Murphy, P.E.	Patricia McCormick	M=Management P=Professional
AEP	C																				
U. S. Steel	C		X		X			X						X							
Catenary Coal	C		X		X			X						X							
Summit Energy	CIP			X				X													
Buck Lily Surface Mine AML Project	CIP		X	X	X			X						X							
Empire Coalbng Deep Mine Midland Trial Surface Mine No. 1	CIP				X				X												
Sewell No. 1 Deep Mine	CIP				X				X												
Hardway Branch Surface Mine Regrade/Drainage	CIP			X	X				X												
Right Fork Surface Mine Regrade/Drainage	CIP			X	X				X												
Peerless Mine No. 1 Subsidence Revision	CIP			X	X				X												
Longbottom Contour Mine	CIP			X	X				X												
Cowen Loadout Facility	CIP			X	X				X												
Jones Branch Drainage Revision	CIP			X	X				X												
Winifrede X Deep Mine Regrade/Drainage Revision	CIP			X	X				X												
Dents Run Impoundment Abandonment	CIP			X	X				X												
Spring Creek Haulroad Design	CIP				X				X												
Wyoming East H.S.	P																				
Mountain View Elem.	P																				
Eastpoint II Shopping Center	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.



## **Signed Expression of Interest**





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

# Request for Quotation

RFQ NUMBER  
 DEP14764

PAGE  
 1

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

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
09/03/2009				
BID OPENING DATE: 09/24/2009				
BID OPENING TIME 01:30PM				

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-29		
GORDON "C" REFUSE PILE 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 ENGINEERING DESIGN SERVICES AND CONSTRUCTION MONITORING SERVICES AT THE GORDON "C" REFUSE PILE PROJECT IN BOONE COUNTY, WEST VIRGINIA, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.  BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THIS CONTRACT NULL AND VOID AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

TITLE	FEIN	TELEPHONE	DATE
ADDRESS CHANGES TO BE NOTED ABOVE			

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



## **Signed Purchasing Affidavit**

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

### VENDOR OWING A DEBT TO THE STATE:

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

### PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

*West Virginia Code §21-1D-5* provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

### ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

### LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

### CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

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

Vendor's Name: L.A. Gates Company

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_