

PROFESSIONAL SERVICES

west virginia



dep

department of environmental protection



**Abandoned Mine
Lands & Reclamation
Subject: RFQ DEP14513
Expression of Interest For The Design And Engineering
Services For The Baker Portals & Strip Design Project**

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L.A. Gates
Company

ENGINEERS & CONSULTANTS

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

Mr. Chuck Bowman, Buyer
Purchasing Division
2019 Washington Street
PO Box 50130
Charleston, WV 25305-0130

1/16/09

Dear Mr. Bowman:

The following summarizes the LA Gates Company qualifications to provide professional services for West Virginia DEP Abandoned Mine Lands & Reclamation RFQ DEP14513 Expression of Interest for the Barker Portals & Strip Design project. Gates has an experienced staff familiar with all of the tasks associated required to provide professional services to complete this project in an efficient and cost effective manner. In addition to our design staff, Gates also has experienced project management that can oversee all phases of the project.

Gates Consultant Confidential Qualification Questionnaire (CCQQ) Attachment "B" and AML and Related Project Experience Matrix (RPEM) Attachment "C" are included.

Should you have any questions or need additional information, please don't hesitate to call me @ 304/256/1640 ext. 106.



Tim Coleman
VP Mining - LA Gates Company

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

PROJECT NAME - Barker Portals & Strip Design Requisition # DEP 14513	DATE (DAY, MONTH, YEAR) January 16, 2009	FEIN - #55-0649591
1. FIRM NAME - L. A. Gates Company	2. HOME OFFICE BUSINESS ADDRESS 2302 South Fayette Street, Beckley, WV 25801	3. FORMER FIRM NAME - Gates Engineering
4. HOME OFFICE TELEPHONE 304-256-1640	5. ESTABLISHED (YEAR) 1985	6. TYPE OWNERSHIP Corporation
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 / 15 Morgantown, WV / 1		
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM L. A. Gates, President, 304-256-1640 ext.101 Jay Cantley, Exec. V. P., 304-256-1640 ext. 107 Steve Capelli, President - Gates Consultants 304-256-1640 ext. 102		
9. PERSONNEL BY DISCIPLINE		
1 ADMINISTRATIVE ARCHITECTS BIOLOGIST 2 CADD OPERATORS CHEMICAL ENGINEERS 3 CIVIL ENGINEERS * CONSTRUCTION INSPECTORS 2 DESIGNERS	ECOLOGISTS ECONOMISTS ELECTRICAL ENGINEERS * ENVIRONMENTALISTS * ESTIMATORS 1 GEOLOGIST HISTORIANS * HYDROLOGISTS	LANDSCAPE ARCHITECTS MECHANICAL ENGINEERS 4 MINING ENGINEERS PHOTOGRAMMETRISTS PLANNERS: URBAN/REGIONAL SANITARY ENGINEERS * SOILS ENGINEERS SPECIFICATION WRITERS
2 STRUCTURAL ENGINEERS 2 SURVEYORS * TRAFFIC ENGINEERS	* Employees also perform these services. 16 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? <input type="checkbox"/> YES <input type="checkbox"/> NO N/A		

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

<p>NAME AND ADDRESS: Triad Engineering 4980 Teays Valley Rd. Scott Depot, WV 25177</p>	<p>SPECIALTY: Soils testing & drilling</p>	<p>WORKED WITH BEFORE ___X___ Yes ___ No</p>
<p>NAME AND ADDRESS: Photo Science 2670 Wilhite Drive • Lexington, Kentucky 40503</p>	<p>SPECIALTY: Geospatial Modeling</p>	<p>WORKED WITH BEFORE ___X___ Yes ___ No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE ___ Yes ___ No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE ___ Yes ___ No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE ___ Yes ___ No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE ___ Yes ___ No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE ___ Yes ___ No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE ___ Yes ___ No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE ___ Yes ___ No</p>

12. A. Is your firm experienced in Abandoned Mine Lands 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 analysis for two years on a U.S. Corps of Engineers project studying the affects of woody vegetation in levees. Analysis performed included: falling head permeability, grain size analysis, Altenburg limits, moisture contents, and shear strength. Gates also utilizes Triad and Novel as sub-consultants on projects as necessary.

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: Engineers within the company have performed hydrology and hydraulics functions on 30 plus surface and deep mine projects located throughout the state. These engineers are well experienced in determining peak flows, sediment and storm water detention designs, surface water runoff analysis, and culvert designs. Hydraulics is also a critical factor in the 35 bridges and structures that LA Gates Company staff has designed.

NO

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

YES Description and Number of Projects: Contour mapping is generated for virtually every project in both civil and mining divisions.

NO Aerial photography. Some aerial photography is obtained through the internet. In many cases such as reclamation design work, Gates typically utilizes a Photo Science as a sub consultant

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: Flat Top Lake potable water system. This portion of the company has been sold and. LA Gates Company no longer design domestic waterline systems.

NO

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

YES Description and Number of Projects: LA Gates Company has designed AMD treatment plants. Tim Coleman has constructed and managed 6 AMD abatement facilities for several coal companies. Gates deals with water quality parameters on a routine bases as part of permitting activities.

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 AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Gates, L. A., P. E., President	2	20	5
Brief Explanation of Responsibilities			
L. A. Gates owns and manages L. A. Gates Company, a consulting and engineering company. The firm specializes in civil, structural, highway, bridge, surface and underground mine design, permitting, and environmental engineering for domestic and international clients.			
EDUCATION (Degree, Year, Specialization)			
B. S. / 1978 / Mining Engineering			
B. S. / 1972 / Business Administration			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS			
National Society of Professional Engineers (NSPE) / American Inst. of Mining, Metallurgical, Petroleum Engineers (AIME) / WV Assoc. Civil Engineers / WV Society Professional Engineers		REGISTRATION (Type, Year, State) P.E. / 1983 / CO. P.E. / 1983 / 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 AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Jay Cantley P.E., P.S.	2	5	10
Brief Explanation of Responsibilities			
Executive Vice president of LA Gates Company. Provides leadership, project management, and engineering oversight as needed.			
EDUCATION (Degree, Year, Specialization)			
B. S. / 1987 / Civil Engineering			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS			
National Society of Professional Engineers		REGISTRATION (Type, Year, State) P.E. / 1994 / WV P.E. / 2003 / VA P.S. / 1995 / 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 AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Coleman, Tim - VP Mining Engineering	5	5	

Brief Explanation of Responsibilities
 Responsible for all mining engineering projects. Project management and oversight.

EDUCATION (Degree, Year, Specialization)
 WVU - BSEM (Mining Engineering) 1979

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
 Society of Mining Engineers & American Institute 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:
Murphy, Patrick M., P.E. - Vice President - Environmental Engineering		5	5

Manage the daily activities of the mine-permitting department. Supervise a staff of engineers, permit coordinators, and design personnel. Oversee and review design engineering performed by the engineers within the department. Serve as liaison between governmental agencies and the client.

EDUCATION (Degree, Year, Specialization)
 B. S. / 1997 / Civil Engineering Technology
 M. S. / 2003 / Environmental Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
 American Society of Civil Engineers

REGISTRATION (Type, Year, State)
 P.E. / 2004 / WV

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

NAME & TITLE (Last, First, Middle Int.) Steve Capelli, P.E.	YEARS OF AML DESIGN EXPERIENCE: 5	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 25	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
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Brief Explanation of Responsibilities
Provide overall project guidance and management. Steve also reviews reports as a check for quality assurance.

EDUCATION (Degree, Year, Specialization)

B.S. / 1973 / Mining Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
West Virginia and National Society of Professional Engineers
Past Chairman, West Virginia Mining and Reclamation Association
Member, West Virginia Surface Mine Board, 1989-1993; 1998-2007
Past Vice-Chairman, West Virginia Coal Association

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.) Mason, Cade, E.I.T.	YEARS OF AML DESIGN EXPERIENCE: 3	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 3	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
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Brief Explanation of Responsibilities
Provide design engineering for surface, reclamation, and deep mine projects. Surface mining and reclamation engineering work includes: hydrology, geotechnical design, stability analysis, sediment and detention control design, grid modeling and reclamation design. Deep mine engineering includes: ventilation design, mine planning, reserve evaluations and pillar sizing.

EDUCATION (Degree, Year, Specialization)

B.S. / 2005 / Mining Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
Society of Mining Engineers & American Institute Mining Engineers

E.I.T. / 2006 / WV

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

AutoDESK AutoCAD 2007 and 2008

Carlson Software: Civil, Hydrology, Basic Mining, and GIS modules for AutoCAD.

SEDCAD™ 4: Hydrology Software

REAME: Slope Stability Software

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 w/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. CUF T ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATE ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Curtain Deep Mine Curtain, WV	Springcreek Energy Summersville, WV	Deep Mine SMA	N/A	50 %
Empire Deep Mine Kayford, WV	Republic Energy Mossy, WV	Deep Mine SMA	N/A	85 %
Jones Branch Revision # 4 Drennen, WV	Power Mountain Coal Summersville, WV	Drainage Revision	N/A	95 %
Hardway Branch Revision Drennen, WV	Alex Energy Summersville, WV	Drainage Revision	N/A	95 %
Right Fork Surface Mine IBR / Revision Drennen, WV	Alex Energy Summersville, WV	Drainage Revision & IBR	N/A	95 %
Tate Run Surface Mine Drennen, WV	Alex Energy Summersville, WV	Drainage Revision & IBR	N/A	95 %
Camp Branch Deep Mine Buffalo Creek, WV	INR - WV Man, WV	Deep Mine SMA & 401 Permit	N/A	30 %
Dingess Branch Deep Mine, Buffalo Creek, WV	INR - WV Man, WV	Deep Mine SMA & 401 Permit	N/A	30 %
Lower Powellton Mine Buffalo Creek, WV	INR - WV Man, WV	Deep Mine SMA & 401 Permit	N/A	10 %

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
Stollings – Logan Road Logan County, WV	WVDOT – DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design and surveying for 1.0 miles of highway including 4 bridges	\$50,000,000	99%
East Beckley Bypass	WVDOT – 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%
South Mineral Wells Interchange Wood County, WV	WVDOT – DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design and surveying for 0.53 miles of four-lane highway including 400' bridge over Tygart Creek.	\$13,000,000	99%
US 52 Slide Correction McDowell County, WV	WVDOT – DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design for 300' of slide repair.	\$507,000	98%
Mill Creek Bridge Raleigh County, WV	WVDOT – DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design and surveying for 330' bridge replacement over Mill Creek.	\$2,600,000	60%
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	0.0%
TOTAL NUMBER OF PROJECTS: 6			TOTAL ESTIMATED CONSTRUCTION COSTS: \$107,607,000	


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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Grafton High School Arch Bridge Taylor County, WV	WVDOH – DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$1,202,000	2005	YES
Shepherd Bridge Marshall County, WV	WVDOH – DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$1,274,000	2004	No
Greenbrier Avenue Bridge Greenbrier County, WV	WVDOH – DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$1,098,913	2004	Yes
Slab Fork – Surveyor Creek Road Coalfields Expressway Raleigh County, WV	WVDOH – DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$26,700,000	2004	Yes
Main Street Bridge Wetzel County, WV	WVDOH – DOH 1900 Kanawha Boulevard Charleston, WV 25305	\$1,320,000.	2007	Yes
Allen Creek – Big Ridge Coalfields Expressway Raleigh County, WV	WVDOH – DOH 1900 Kanawha Boulevard 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 (INDICATE HASE
 OR WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Corridor H - U. S. 220 Ramp Connector, Bridge Design Hardy County, WV	WVDOH - DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$4,755,000	2003	No	Michael Baker Jr. Inc.

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: 
 Printed Name: Tim Coleman Title: VP Mining Engineering Date: 1/16/09

