

# 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

11/6/08

Dear Mr. Bowman:

The following summarizes the LA Gates Company qualifications to provide professional services for West Virginia DEP Abandoned Mine Lands & Reclamation RFQ DEP14480 Expression of Interest for the Venus (Hamilton) Design. 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

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PURCHASING DIVISION  
STATE OF WV

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

PROJECT NAME - <b>Venus (Hamilton) Drainage Design                  Requisition # DEP 14480</b>	DATE (DAY, MONTH, YEAR) <b>November 6, 2008</b>	FEIN - #55-0649591
1. FIRM NAME - <b>L. A. Gates Company</b>	2. HOME OFFICE BUSINESS ADDRESS <b>2302 South Fayette Street, Beckley, WV 25801</b>	3. FORMER FIRM NAME - <b>Gates Engineering</b>
4. HOME OFFICE TELEPHONE  <b>304-256-1640</b>	5. ESTABLISHED (YEAR)  <b>1985</b>	6. TYPE OWNERSHIP  <b>Corporation</b>
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE <b>2302 South Fayette Street, Beckley, WV 25801/304-256-1640/ L. A. Gates / 15                  Morgantown, WV / 1</b>		
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM <b>L. A. Gates, President, 304-256-1640 ext.101                  Jay Cantley, Exec. V. P., 304-256-1640 ext. 107</b>		
9. PERSONNEL BY DISCIPLINE		
1 ADMINISTRATIVE ARCHITECTS BIOLOGIST	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 CADD OPERATORS CHEMICAL ENGINEERS 2 CIVIL ENGINEERS * CONSTRUCTION INSPECTORS 2 DESIGNERS	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 <input type="checkbox"/> N/A		

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

<p><b>NAME AND ADDRESS:</b>  <b>Triad Engineering</b>  <b>4980 Teays Valley Rd.</b>  <b>Scott Depot, WV 25177</b></p>	<p><b>SPECIALTY:</b>  <b>Soils testing &amp; drilling</b></p>	<p><b>WORKED WITH BEFORE</b>  <input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p><b>NAME AND ADDRESS:</b>  <b>Photo Science</b>  <b>2670 Wilhite Drive • Lexington, Kentucky 40503</b></p>	<p><b>SPECIALTY:</b>  <b>Geospacial Modeling</b></p>	<p><b>WORKED WITH BEFORE</b>  <input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>  <input type="checkbox"/> Yes  <input type="checkbox"/> No</p>
<p><b>NAME AND ADDRESS:</b></p>	<p><b>SPECIALTY:</b></p>	<p><b>WORKED WITH BEFORE</b>  <input type="checkbox"/> Yes  <input type="checkbox"/> 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: Shady Spring PSD / 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 EXPERIENCE	
<b>Gates, L. A., P. E., President</b>		YEARS OF AML DESIGN EXPERIENCE: 2	YEARS OF AML RELATED DESIGN EXPERIENCE: 20
YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 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 EXPERIENCE	
<b>Jay Cantley P.E., P.S.</b>		YEARS OF AML DESIGN EXPERIENCE: 2	YEARS OF AML RELATED DESIGN EXPERIENCE: 5
YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 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.)  <b>Murphy, Patrick M., P.E. - Vice President - Permitting</b>	YEARS OF AML DESIGN EXPERIENCE:  5	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE:  5	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:  5
	Brief Explanation of Responsibilities  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			
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>Coleman, Tim - VP Mining Engineering</b>	YEARS OF AML DESIGN EXPERIENCE:  15	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE:  15	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:  15
	Brief Explanation of Responsibilities VP of Mining Engineering, responsible for all mining engineering related work. Chief engineer (contract basis) for an active surface mining company and directly involved in reprocessing and reclaiming a refuse pile in Nicholas County, WV. Coordinate sub consultants and Gates staff as necessary on projects.		
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.)  Earl Chornsbay	YEARS OF AML DESIGN EXPERIENCE:  5	YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE:  5	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	Brief Explanation of Responsibilities Provide design engineering for surface and deep mine projects. Surface mine engineering includes: SWORA, geotechnical design, stability analysis, sediment and detention control structure design, haul road design, grid modeling and reclamation design.		
EDUCATION (Degree, Year, Specialization)			
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS			
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 A., 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:
	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			
REGISTRATION (Type, Year, State)  E.I.T. / 2006 / WV			

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

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

MIR 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 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
Pond Fork Mine Design Boone County, WV	Peabody Energy Charleston, WV	Total design of facilities and mine.	N/A	100 %
Nailler Mine # 79 Eliminate Slurry Impoundment	Consol Energy Monongah, WV	Design reclamation of slurry impoundment.	N/A	100 %
Midland Trail Surface Mine No. 1 – New Surface Mine Application, Anjean, WV	Midland Trail Resources, LLC PO Box Q Rupert, WV 25984	Engineering Design and permit preparation for contour/highwall mine.	N/A	100 %
Midland Trail Surface Mine No. 2 – New Surface Mine Application, Anjean, WV	Midland Trail Resources, LLC PO Box Q Rupert, WV 25984	Engineering Design and permit preparation for contour/highwall mine.	N/A	75 %
Graham Deep Mine – IBR / Revision Anjean, WV	Midland Trail Resources, LLC PO Box Q Rupert, WV 25984	Engineering and Art. 3/NPDES permit preparation to add additional openings and revise subsidence.	N/A	100 %
Deep Mine No. 1 – IBR / Revision Anjean, WV	Midland Trail Resources, LLC PO Box Q Rupert, WV 25984	Engineering and Art. 3/NPDES permit preparation to add additional openings and revise subsidence.	N/A	100 %
Cowen Rail Loadout and Coal Storage Facility Cowen, WV	Atlantic Leasco & Capital LLC 720 Professional Park, Suite D, Summersville, WV 26651	Engineering, surveying and Art. 3/NPDES/Air Quality permit preparation for a coal load out facility.	N/A	80 %
Longbottom Surface Mine, Eskdale, WV	Wildcat, LLC 500 Lee St. E, Suite 900 Charleston, WV 25301	Engineering and Art. 3/NPDES permit preparation for contour/highwall mine.	N/A	100 %
Tate Run Surface Mine Drennon, WV	Alex Energy, inc. PO BOX 707 Summersville, WV 26651	Surveying, engineering and permit preparation for drainage/re-grading revision.	N/A	95 %

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
Main Street Bridge Wetzel County, WV	WVDOT – DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design and surveying for 84' bridge replacement over N. Fork of Fishing Creek.	\$1,320,000	99%
Allen Creek – Big Ridge Coalfields Expressway Raleigh County, WV	WVDOT – DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design and surveying for 2 miles of four-lane highway.	\$24,000,000	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 800' bridge over Tygart Creek.	\$13,000,000	95%
Bruno Bridge Logan County, WV	WVDOT – DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design and surveying for 262' bridge replacement over Guyandotte River.	\$1,655,000	99%
Mill Creek Bridge	WVDOT – DOH 1900 Kanawha Boulevard Charleston, WV 25305	Engineering design and surveying for 330' bridge replacement over Mill Creek.	\$2,600,000	30%

TOTAL ESTIMATED CONSTRUCTION COSTS: \$42,575,000	TOTAL NUMBER OF PROJECTS:14
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17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
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
Stollings- Logan Road Logan County, WV	WVDOH – DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$45,000,000	2003	No
East Beckley Bypass Raleigh County, WV	WVDOH – DOH 1900 Kanawha Boulevard, East Charleston, WV 25305	\$68,300,000	2006	No
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 HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Corridor H - U. S. 220 Ramp Connector, Bridge Design Hardy County, WV	WV DOT - 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: \_\_\_\_\_ Title: **VP Mining Engineering** Date: **11/6/08**

Printed Name: **Tim Coleman**

