

# L. A. GATES COMPANY

ENGINEERS AND CONSULTANTS

LESLIE C. GATES, P.E.  
CHAIRMAN

L. A. GATES, P.E.  
PRESIDENT

March 17, 2009

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

Purchasing Division  
2019 Washington Street, East  
Post Office Box 50130  
Charleston, WV 25305-01301

RE: EOI – RFQ EHS90112

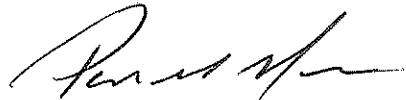
To whom it may concern:

Please find attached L.A. Gates Company's (Gates) response to the Expression of Interest (EOI) to provide Architecture/Engineering Services for RFQ EHS90111. As per our phone conversation, Gates has provided a narrative response to the selection criteria listed on page 21 of the EOI.

As you will see in our response, Gates has personnel directly experienced with the scope of this Project. Our projected SWAP Project Manager has four years experience in working directly with the community public water systems in the Beckley District. His expertise and training related to these systems combined with the staff of engineers, technicians and geologists at Gates makes our company uniquely qualified for this project. We hope that you will agree and look forward to an upcoming interview.

If you have any question or comments regarding our response, please feel free to contact me at 304-256-1640 ext. 113.

Sincerely,



Patrick M. Murphy, P.E.  
Vice President – Environmental Engineering

attach

**RECEIVED**

2009 MAR 17 A 11: 20

PURCHASING DIVISION  
STATE OF WV



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  
**EHS90112**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**ROBERTA WAGNER**  
**304-558-0067**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIPTO

HEALTH AND HUMAN RESOURCES  
 BPH ENVIRO HLTH SERVICES  
 CAPITOL AND WASHINGTON STREETS  
 1 DAVIS SQUARE, SUITE 200  
 CHARLESTON, WV  
 25301-1798 304-558-2981

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
02/13/2009				

BID OPENING DATE: **03/19/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI) FROM QUALIFIED FIRMS TO PROVIDE ARCHITECTURAL/ENGINEERING SERVICES FOR THE SOURCE WATER PROTECTION TECHNICAL HELP PROGRAM (SWPTHP) AS DESCRIBED IN THE ATTACHED SPECIFICATIONS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER.</p>						

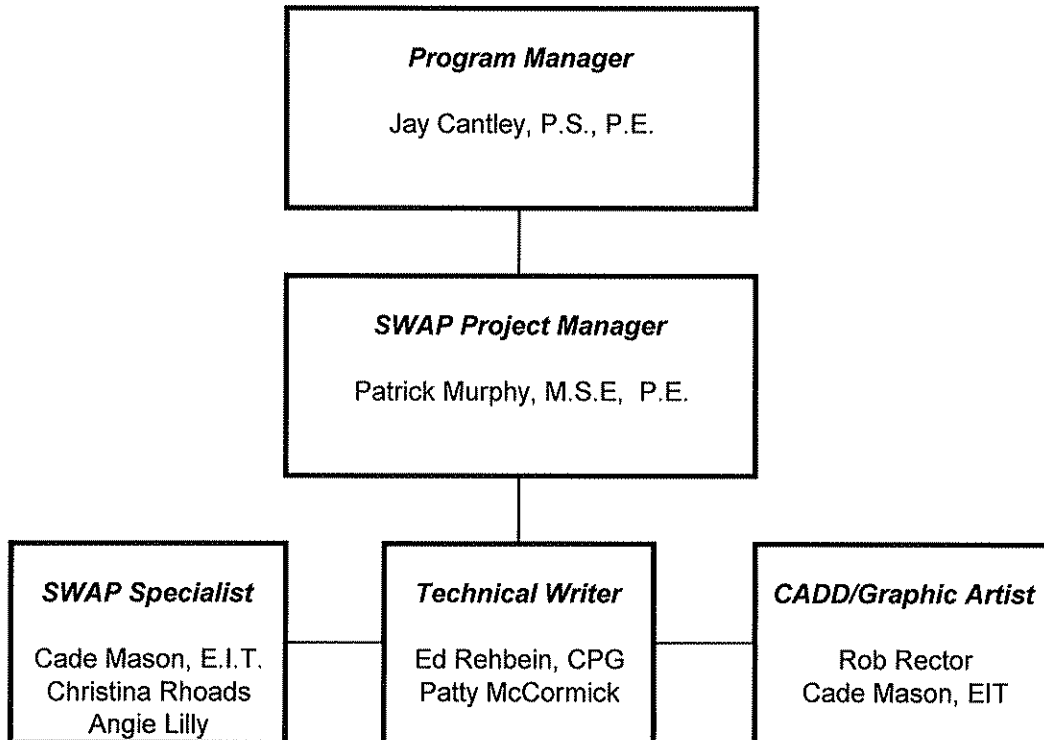
SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Patrick Murphy* TELEPHONE *304 256 1640 x113* DATE *3/17/08*

TITLE *VP ENVIRONMENTAL MGR* FEIN *55-0649591* ADDRESS CHANGES TO BE NOTED ABOVE

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

**Expression of Interest  
Source Water Protection Technical Help Program  
Registration Number EHS90112**



**Expression of Interest  
Source Water Protection Technical Help Program  
Registration Number EHS90112**

**Qualifications**

L.A. Gates Company has a diverse and experienced group of engineers, geologists, and technicians qualified to perform the duties required of this project. Per section 3.2 of the Expression of Interest, the following personnel are required by the Bureau for Public Health:

- Program Manager
- SWAP Project Manager
- SWAP Specialist
- Others (Writers/Graphic Artists)

The following table identifies the individuals to be assigned to these positions and their qualifications:

Position	Name	Experience
Program Manager	Jay Cantley, P.E., P.S.	Mr. Cantley has over 20 years of experience in design and management of governmental related projects. As past VP and current COO of LAG, Mr. Cantley has been, and is, the point on negotiating highway and bridge contracts with the WV Dept. of Highways.
SWAP Project Manager	Patrick Murphy, P.E.	Mr. Murphy will provide direct supervision of the Gates activities related to this project. Mr. Murphy has a B.S. in Civil Engineering Technology and an M.S. in Environmental Engineering. Mr. Murphy has many years experience as a project manager and also as a District Engineer for the Bureau for Public Health.
SWAP Specialist	Christina Rhoads	Ms. Rhoads has over two years experience working on environmental projects as related to the coal industry. Ms. Rhoads has a B.S. in Geology and is completing her M.S. in Geology/Hydrogeology. She has completed graduate level research in the Southern West Virginia Coalfields in the area of Selenium in coal beds. Her research and writing experience in this area makes her a valuable asset for this project.
SWAP Specialist /Drafting	Cade Mason, E.I.T.	Mr. Mason has over four years experience in performing GIS responsibilities for mining related projects in West Virginia. Mr. Mason is experienced in gathering, compiling, storing, and mapping geospatial data for mining activities.
Technical Writer	Patricia McCormick	Ms. McCormick has over 35 years experience in writing technical narratives and specifications for mining related projects in West Virginia. Ms. McCormicks' experience in working in the Southern Coalfields with the mining industry, along with her experience in mitigating environmental hazards is an asset for this project.
Technical Writer	Ed Rehbein	Mr. Rehbein has significant experience in technical report writing, field research and data gathering and compilation, groundwater flow modeling and coalbed and natural gas reserve exploration, all of which will provide great benefit to this project.
CADD, Graphic Artist	Rob Rector	Mr. Rector has 19 years experience in utilizing computer aided drafting programs. He is well versed in all types of drafting and graphic arts.
SWAP Specialist	Angie Lilly	Ms. Lilly has four years experience in the mining industry as a permitting technician and design engineer. Ms. Lilly is proficient in performing hydrology calculations and with design software relevant to this project.

## **Past Performance**

Gates has not performed specific tasks as outlined in the expression of interest. Gates' proposed SWAP Project Manger has, however, performed most of the tasks identified. His technical expertise and management skills will allow him to effectively supervise the tasks required.

## **Liquidated Damages**

Gates has not been penalized or paid liquidated damages with the past three years.

## **Technical Approach**

The scope of work to accomplish this project, as identified by the Bureau for Public Health, is as follows:

- initial project meeting between the Contractor and the BPH,
- initial start-up meetings with all public water systems involved,
- field reconnaissance to verify known database PCS' and to identify new ones,
- develop a management plan for the public water systems,
- develop a contingency plan for the public water systems, and
- generate a final report detailing all actions performed during the project.

L.A. Gates' (LAG) approach to each of these tasks is outlined in the following paragraphs:

*Initial Project Meeting.* Jay Cantley (LAG Program Manager) and Patrick Murphy (LAG SWAP Project Manger) shall conduct the initial project meeting with the BPH PM. During this meeting LAG will receive any instructions for the scope of work not outlined in the EOI and receive a database of known PSC's to be verified in the field. Any software packages required that LAG may not currently have, will be secured and implemented.

*Initial Start-Up Meetings for PWS'.* Patrick Murphy will initiate, coordinate and conduct project initiation meetings with each CPWS system identified. Patrick and the SWAP Specialists' will meet with each system and describe the SWAP program and why the project is being conducted. Other items to be covered during this meeting include: establishing points of contact, project time lines, anticipated outcomes and to answer any questions the contact may have. Additionally, Patrick will cover such items as the PCS listing for their system, locating out-of-service or improperly abandoned water and monitoring wells, locating underground storage tanks, and introduce the management and contingency plans. Digital USGS mapping and aerial photography will be utilized during this stage to identify locations (latitude/longitude) of any potential sources not currently provided by the BPH.

*Field Reconnaissance/Data Base Searches:* Cade Mason, Angie Lilly and Christina Rhoads (SWAP Specialists') will conduct field reconnaissance of the watersheds for each system in order to verify known PCS' and to locate, photograph and record any additional PCS sites. Each SWAP Specialist will utilize USGS mapping, aerial photography, provided database list

and GPS devices when conducting the field reconnaissance. The data generated during the reconnaissance will be entered into a database as specified by the BPH for further use. All activities will be monitored and supervised by Patrick Murphy. Patrick Murphy will conduct an in-house training session to ensure all individuals conducting field reconnaissance are knowledgeable of and able to identify all possible sources of PCS'.

Develop Management Plan: When all reconnaissance work is completed and all known PCS' within the source water protection zone identified a management plan to identify and document ways to protect the source water will be developed by Patrick Murphy. Key components of the plan will include:

- enlisting locals officials/private citizens to get involved,
- identify management techniques to utilize,
- identifying BMP's,
- examining a list of recommendations provided in previous reports, and
- any additional measures identified by LAG.

LAG will accomplish these goals during progress meetings conducted with each CPWS as the project progresses. The goal is to have a well developed and ready to implement plan available at the end of the project.

Develop Contingency Plan: The contingency plan will be developed simultaneous with the management plan by Patrick Murphy, Ed Rehbein and Patricia McCormick. Contained within the contingency plan shall be:

- a documentation of water supply characteristics and capacity,
- a documentation of the geology and other factors that may adversely impact quantity or quality,
- identify any alternate sources,
- develop a list of emergency contacts, phone numbers, e-mail, addresses, etc.
- designate an emergency coordinator with backup,
- describe any other threats such as highways, railroads, waterways, etc with contacts for each.

Site-Specific Final Report: Patrick Murphy, Ed Rehbein and Patricia McCormick will work together to draft a site-specific final report for each CPWS involved. The content of the report will contain: project introduction, review and discussion of PCS', development of a management plan, development of a contingency plan, potential funding sources and any other pertinent information as determined by LAG.

**Expression of Interest  
Source Water Protection Technical Help Program  
Registration Number EHS90112**

**Proposed Timeline**

Week	Task Description	Personnel
1	Initial Project Meeting With BPH PM	Jay Cantley, Patrick Murphy
2 thru 9	Initiate, Coordinate and Conduct Initial Start-Up Meetings with CWPS	Patrick Murphy, Christina Rhoades, Angie Lilly
10 thru 43	Perform database research, field research, database updates, BPH PM updates, draft report, Generate Mapping	Patrick Murphy, Christina Rhoades, Angie Lilly, Cade Mason, Rob Rector
44 thru 48	Initiate, Coordinate and Conduct Followup Meetings with CWPS; Begin Draft of Final Report	Patrick Murphy, Christina Rhoades, Angie Lilly
49 thru 52	Prepare Final Report for Distribution	Patrick Murphy, Patty McCormick, Ed Rehbein

## **Jay Cantley, P.S., P.E.**

### **Summary of Experience**

Mr. Cantley has over 20 years experience in civil engineering design, management and contract negotiation, primarily in the areas of water/wastewater and highways. As past VP and current Chief Operating Officer at L.A. Gates Company, Mr. Cantley is responsible for managing the day-to-day operations, managing state projects as well as serving as the point for contract negotiations.

### **Education**

Bachelor of Science-Civil Engineering, West Virginia Institute of Technology

### **Licenses and Certifications**

Registered Professional Engineer WV 12188

Registered Professional Engineer VA 38119

Registered Professional Surveyor WV 1477

### **Professional Experience**

2005 – Present COO, L.A. Gates Company, Beckley, WV

1997 - 2005 VP - Civil Engineering, L.A. Gates Company, Beckley, WV

1994 - 1997 Chief Civil Engineer, L.A. Gates Company, Beckley, WV

1992 - 1994 Staff Engineer, L.A. Gates Company, Beckley, WV

1991 - 1992 Staff Engineer, Williams Engineer, Rock Hill, SC

1989 - 1991 Staff Engineer, Project Manager, Adair & Brady, West Palm Beach, FL



## **Patrick M. Murphy, P.E.**

### **Summary of Experience**

Mr. Murphy has over 11 years experience in engineering, project management and personnel management. Four of the 11 years experience was spent with the Bureau for Public Health, Beckley District Office, as a District Engineer where he was responsible for providing regulatory oversight and engineering assistance to public water systems throughout the District. Seven of the 11 years experience has been in the mining and environmental engineering industry where Mr. Murphy has been responsible for both engineering and project management of various activities to include the permitting of mining activities and the mitigation of various environmental issues.

### **Education**

Master of Science – Engineering - Environmental , Marshall University  
Bachelor of Science – Civil Engineering Technology, Fairmont State College

### **Licenses and Certifications**

Registered Professional Engineer, West Virginia, No. 16001

### **Professional Experience**

2008 – Present    VP, Environmental Engineering, L.A. Gates Company, Beckley, WV  
2007 – 2008        Director of Permitting, L.A. Gates Company, Beckley, WV  
2006 – 2009        Adjunct Faculty, Mountain State University, Beckley  
2006 – 2007        Senior Supervisory Engineer, Marshall Miller & Assoc., Beckley, WV  
2005 – 2006        Senior Engineer, Marshall Miller & Associates, Beckley, WV  
2001 – 2005        District Engineer, WVDHHR, Beckley, WV -  
2000 – 2001        Staff Engineer, Alliance Consulting, Inc., Beaver, WV  
1998 – 2000        Project Manager, Summit Engineering, Logan, WV  
1997 – 1998        Project Manager, Radford and Radford, Beckley, WV

### **Continuing Education**

Public Water System Counter-Terrorism Training, July 2004, MSES Consultants, Inc.,  
Emergency Response, August 2001, WV Rural Water Association, Teays Valley, WV  
Backflow Prevention/Cross Connection, November 2001, WV Rural Water Association,  
Class II Water Treatment Operators Course, 2001, West Virginia DHHR, OEHS, BPH

## **Ed Rehbein, CPG**

### **Summary of Experience**

Mr. Rehbein has over 33 years of professional geologic consulting experience in the coal and gas industry. He has broad experience in coalbed exploration and assessment throughout the North American coal basins with major corporations. Mr. Rehbein has significant experience in technical report writing, field research and data gathering and compilation, groundwater flow modeling and coalbed and natural gas reserve exploration, all of which will provide great benefit to this project.

### **Education**

Bachelor of Science – Geology - California Institute of Technology  
Graduate Courses - Geology & Geophysics - University of California, 20 hrs.  
Master of Science, Interdisciplinary Studies, Mountain State University

### **Memberships**

American Association of Petroleum Geologists  
American Institute of Professional Geologists

### **Professional Experience**

1988 – Present      Private Geologic Consultant, Beckley, WV  
1997 – Present      Senior Geologist, Gates Consultants, Beckley, WV  
1976 – 1988        Various Geologist positions with State and US Government

### **Publications**

- The Mines Magazine, January, 1975
- U.S. Geology Survey Open-File Report 77-69, 1977, "Stratigraphy, Depositional Environments, and Lignite Resources of the Fort Union Formation, West-Central North Dakota."
- AAPG Bulletin, Technical Programs Abstracts, May, 1977
- Williston Basin Symposium Guidebook, 1977
- West Virginia Geological & Economic Survey Bulletin B-38, "No. 3 Pocahontas Coal in Southern West Virginia, Resources and Depositional Trends," 1981

## **Patricia McCormick**

### **Summary of Experience**

Ms. McCormick has over 35 years of experience in all phases of mining and environmental permitting. Experience includes: managing and preparing SMCRA, NPDES, Air Quality, Blasting and other associated permits; drafting permitting narratives and specifications; managing water monitoring programs; preparing production reports; serving as liaison with governmental agencies and performing CADD functions in AutoCAD and SurvCADD.

### **Education**

Attended Beckley College (Mountain State University), Business Major

### **Licenses and Certifications**

Surface Mine Card  
Annual MSHA Retraining  
Pre-Blast Survey Approved

### **Professional Experience**

2007- Present	Senior Permitting Technician, L.A. Gates Company, Beckley, WV
2004- 2007	Senior Engineering Technician, Marshall Miller & Associates, Beckley, WV
1999- 2004	Permit Technician/Office Manager/Administrative Assistant, New River Engineering, Shrewsbury, WV
1997- 1999	Engineering Permit Consultant Marathon Technical Services, Inc., Summersville, WV
1990- 1992	Permit Technician Williams Construction Company, Bradley, WV
1986- 1990	Engineering Technician/Office Manger Harvey Energy Corp., Beckley, WV
1984- 1986	Engineering Technician Aren & Associates, Inc., Beckley, WV
1972- 1984	Engineering Technician, Consolidation Coal Company, Clear Creek, WV

## **Christina Rhoads**

### **Summary of Experience**

Ms. Rhoads has two years experience as a geologist in the mining industry. Her experience has been primarily in identifying and mapping geologic structures such as faults, sandstone channels, rock partings, etc. Ms. Rhoads is also experienced in utilization of GPS equipment and permit narrative and specification writing. She performed graduate research work on Selenium concentrations in coal and co-authored the final report. In her current position as Geologist, Ms. Rhoads is responsible for providing geologic functions in the development of surface and deep mine operations. Her main duties are to evaluate the geologic conditions of the proposed areas, determine groundwater flows and directions as well as to identify any potentially hazardous conditions that may exist.

### **Education**

Bachelor of Science-Geology Kutztown University, Kutztown, PA  
Master of Science-Geology/Hydrology, West Virginia University, Morgantown  
(expected graduation Spring 2009)

### **Professional Experience**

2009-Present            Geologist, L.A. Gates Company, Beckley, WV  
2007-2009              Geologist, Arch Coal Company, UT

### **Publications:**

"Hydrogeology of Underground Mines in the Upper Freeport Coal Seam, Northern Appalachian Coal Basin" Thies, J.E. and Rhoads, C.L.

"Selenium Concentrations in Coal and Associated Strata in Mine Cores from Southern West Virginia" Vesper, D.H., Roy M., Rhoads, C.L.

## Cade Mason E.I.T.

### **Summary of Experience**

Mr. Mason has four years experience in performing computer aided drafting and GIS functions in the mining and environmental areas. Mr. Mason has extensive experience in researching internet databases to identify geologic conditions and previous underground mining. He also compiles and maintains databases of spatial reference and GPS locations of key structures and features associated with mining and environmental activities.

### **Education**

Bachelor of Science – Mining Engineering – West Virginia University

### **Licenses and Certification**

Engineering Intern, WV

### **Professional Experience**

2007 – Present	Engineer/CADD Technician, L.A. Gates Company, Beckley
2005 – 2007	Engineer/CADD Technician, Marshall Miller & Associates, Beckley

## Angelia Lilly

### **Summary of Experience:**

Ms. Lilly has four years experience in the mining industry as a permitting technician and design engineer. As a permitting technician and design engineer, she was responsible for delineating hazards and proving proper mitigation for such. Ms. Lilly is proficient in performing hydrology calculations and with design software relevant to this project. In her current position as Project Engineer, Ms. Lilly is responsible for all engineering functions associated with mining and environmental permitting to include: 3-D computer modeling, engineering design, permit writing, specification writing and field reconnaissance to identify hazardous conditions on the ground.

### **Education:**

Bachelor of Science-Civil Engineering Technology, Bluefield State College  
Bachelor of Science-Architectural Engineering Technology,  
Bluefield State College

### **Professional Experience:**

2009-Present      Project Engineer, L.A. Gates Company, Beckley, WV  
2005-2009        Engineer/Assistant Permit Manager, Performance Coal  
Company at Massey Energy

## **Rob Rector**

### **Summary of Experience:**

Mr. Rector has over 19 years experience in engineering and architectural drafting. He is well versed in various computer aided drafting software packages, to include any to be used in this project. Mr. Rector has been the main drafting technician for numerous State highway and bridge projects throughout his tenure at L.A. Gates. Mr. Rector also provide drafting support to the civil, mining and environmental departments, thus he has expertise in various drafting venues.

### **Education:**

Associate of Science – Design and Drafting Technology, West Virginia Institute  
Of Technology

### **Professional Experience:**

1991 - Present	Drafting Technician, L.A. Gates Company, Beckley, WV
1989 - 1991	Draft Technician, PI Products, Beckley, WV