



**State of West Virginia
Department of Administration
Purchasing Division**

NOTICE

Due to the size of this bid, it was impractical to scan every page for online viewing. We have made an attempt to scan and publish all pertinent bid information. However, it is important to note that some pages were necessarily omitted.

If you would like to review the bid in its entirety, please contact the buyer. Thank you.



Stantec

Stantec Consulting Services Inc.
1 Moore Avenue
Buckhannon, WV 26201
Tel: (888) 830-1272
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May 8, 2008

West Virginia Department of Environmental Protection
Office of Abandoned Mine Lands
601 57th Street, SE – Box 20
Charleston, West Virginia 25304-2345

Attention: Mr. Nick Estes, P.E., Design Administrator

Dear Mr. Estes:

Reference: Fairmont East Mine Drainage and Rachel Refuse and Structures Design Services

Please find enclosed an Expression of Interest (EOI) for Stantec Consulting Services Inc. to perform engineering services for Fairmont East Mine Drainage and Rachel Refuse and Structures Design Services, P.O. Number DEP 14265, West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands (WVAML) reclamation project. Stantec Consulting Services Inc. is an 8,700 member engineering company with two offices in West Virginia at Charleston and Buckhannon. The Buckhannon office is located in close proximity to the project site and has employee experience completing the Francis Drainage and Refuse AML reclamation project located near this project and in the same geologic setting and hydrologic regime. Please review the enclosed completed "AML Consultant Confidential Qualification Questionnaire", "AML and Related Project Experience Matrix", and Purchasing Affidavit for Stantec to perform engineering services for the Fairmont East Mine Drainage and Rachel Refuse and Structures Design Services project.

Stantec (formerly R.D. Zande and Associates, Inc.) has Project specific experience successfully completing projects for the WVAML Program; for the West Virginia Department of Environmental Protection, Office of Special Reclamation; for the Ohio Department of Natural Resources (ODNR) AML Program; and for the West Virginia Conservation Agency. In addition, Stantec has employee project-specific experience completing other Projects for the WVAML Program. Our AML Project experience includes surveying and mapping; subsurface investigations; slope stability analyses, design, and stabilization; groundwater and surface water testing, analyses, and reporting; refuse and overburden neutralization calculations and design; wet mine seals and modified wet mine seals with bat gates designs; mass balanced earthwork quantities; structure demolition and removal plans; site drainage design including hydrologic and hydraulic studies for bridges, natural stream designs; channels, ditches, pipes and box culverts; civil site design; sediment control; and revegetation plans as well as construction plans and specifications. Approximately half of these projects involved passive acid mine drainage treatment designs ranging from simple limestone beds to complex interactive systems that boost AMD pH to precipitate metals, settle and filter dissolved metals, and polish effluent water with alkalinity prior to release of near neutral waters from the Project area. In addition, Stantec designed the first active alkaline treatment system for the State of West Virginia (Special Reclamation), which is nearing completion with start-up operations currently underway.

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Project-Specific AML reclamation and related experience competed for the WVDEP includes:

<p>1.</p> <p>\$284,000 Eng. Estimate</p>	<p>WVDEP Emergency AML: Laurel Valley (Daniels) Landslide;</p> <p>13,000 C.Y. Earthwork 182 L.Ft. "V" Ditches 696 L.Ft. Culverts</p>	<p>Surveying and Mapping 200 L.Ft. Subs. Drain Debris Removal Existing and Proposed Slope Stability Analysis Sediment Control Plan Revegetation 4.0 Acs.</p>	<p>Construction Plans and Specifications, Geotechnical Subsurface Investigation, Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing</p>
<p>2.</p> <p>\$2,200,000 Eng. Estimate</p>	<p>WVDEP: Weaver Portals and Mine Drainage, Phase I and Phase II;</p> <p>162,821 C.Y. Earthwork 6,543 L.Ft. "V" Ditches 1,947 L.Ft. Flt Btm Ditches 321 L.Ft. Culverts</p>	<p>14 Wet Mine Seals 1,170 L.Ft. Subs. Drain Debris Removal De-watering Plan Six Limestone Beds w/Aluminators and Flush Ponds</p>	<p>Construction Plans and Specifications, Geotechnical Subsurface Investigation, Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing</p>
<p>3.</p> <p>\$627,000 Bid Estimate</p>	<p>WVDEP: Price Hill Airshaft/Buildings;</p> <p>1,300 C.Y. Earthwork 53 "V" Ditches 42 L.Ft. Grouted "V" Ditches 20 L.Ft. Flat Bottom Ditches 150 L.Ft. Subsurface Drain</p>	<p>2 Vertical Mine Seals Structure Demolition and Debris Removal Refuse Re-Soiling Plan De-watering Plan Access Road Improvement and Construction</p>	<p>Construction Plans and Specifications, Geotechnical Subsurface Investigation, Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing</p>
<p>4.</p> <p>\$980,000 Eng. Estimate</p>	<p>WVDEP: Sauls Run Strip and Landslide;</p> <p>59,350 C.Y. Earthwork 2,483 L.Ft."V" Ditches 281 L.Ft. Flt Btm Channel</p>	<p>Existing and Proposed Slope Stability Analysis 285 L.Ft. Culverts 500 L.Ft. Subs. Drain Sediment Control Plan Revegetation 6.7 Acs.</p>	<p>Construction Plans and Specifications, Geotechnical Subsurface Investigation, Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing</p>

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	5.	WVDEP: : Nixon Run AMD;		
\$250,000		1,800 C.Y. Earthwork	1 Wet Mine Seal with Bat Gate	Construction Plans and Specifications, Geotechnical Subsurface Investigation, Cost Estimates , Project Mapping, Hydrologic Investigation, Revegetation Plan , Project Reporting and Invoicing
Bid		240 "V" Ditches	Structure Demolition and	
Estimate		601 L.Ft. Grouted "V" Ditches	Debris Removal	
		387 L.Ft. Culverts	De-watering Plan	
		75 L.Ft. Subsurface Drain		
	6.	ODNR AML: Nutter Brothers Tipple, Permit D-716;		
\$96,000		14,200 C.Y. Earthwork	HAZMAT Debris Removal	Construction Plans and Specifications, Geotechnical Subsurface Investigation, Cost Estimates , Project Mapping, Hydrologic Investigation, Revegetation Plan , Project Reporting and Invoicing
Eng.		1,500 L.Ft. Ditches	(UST's, AST's)	
Estimate		225 L.Ft. Subsurface Drain	7.2 Ac. Resoiling Plan with Refuse Neutralization	
			Structure Removal	

At the request of WVDEP, Stantec can provide Quality Control/Quality Assurance and Construction Observation for the Fairmont East Mine Drainage and Rachel Refuse and Structures Design Services project. Some Project-Specific design and associated QA/QC experience includes:

	1.	WVDEP: Gladly Fork Mining D-35-82 Bond Forfeiture \$3.0M Active Alkaline Treatment Plant;		
\$3,100,000		Active Alkaline Treatment	Concrete Aeration Basin	Construction Inspection: Concrete testing and reporting, Compaction testing and reporting, Full Time Construction Observation and Reporting
Bid		Plant - Single Train to Treat	Concrete Flocculator	
Estimate		1,000 GPM	Concrete Settling Basin	
		Construction Plans and Specifications Project	Concrete Sludge Thickener	
		Mapping	Concrete Geo-Tube Slab	
		Hydrologic Investigation	Bridge over Stonecoal Creek	
	2.	WVCA: Fisher-Mill Creek Bank Stabilization;		
\$284,000		148 L.Ft. Drilled Pile and Lag Wall,	Construction Inspection:	Construction Plans and Specifications, Project Mapping, Hydrologic Investigation, Geotechnical Investigation Existing and Proposed Slope Stability
Eng. Est.		Ground Water and Surface Water Diversions	Concrete testing and reporting,	
			Compaction testing and reporting,	
			Full Time Construction Observation and Reporting	

The above Projects demonstrate some of our Project-Specific and Project-Related experience and details a "one-stop shopping" solution for the Fairmont East Mine Drainage and Rachel Refuse and Structures Design Services project. Projects outlined in our attached AMLCCQQ provide more details on the above Projects as

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well as others completed by Stantec and our employees for the West Virginia Department of Environmental Protection AML and Special Reclamation Programs; the Ohio Department of Natural Resources AML Program; the West Virginia Conservation Agency; and others. Stantec also has employee experience with numerous Small Operators Assistance Program Applications for surface and deep mine applications in West Virginia and Maryland, as well as over 438 hydrologic investigations for Special Reclamation on bond forfeited sites, all involving hydrologic and geologic investigations and Probable Consequences of Mining in different geologic and hydrologic settings across the State.

Stantec can allot three (3) design teams to this project. Design Team leaders are: Gregory Linder, P.E., Will Thornton, P.E., and Randy Calkins, P.S. Each design team will have necessary support personnel including CADD Operators, Staff Engineers, Survey Crews, and other support personnel to ensure the project is completed within WVDEP timeframes. In addition, Randy Calkins will serve as AML Corporate Manager.

We are very excited about the opportunity to continue our working relationship with the West Virginia Department of Environmental Protection and look forward to providing engineering services on this most important Project. We believe no other company can meet our quality of work, which, when coupled with our experience, allows us to be more efficient and therefore very cost competitive. Our Buckhannon Office will respond quickly, effectively, and in the most economical way. If chosen, our primary objective will be to address WVAML needs complimented by other professionals in varying fields of expertise available on an "as needed" basis from our pool of over 8,700 professionals in Surveying and Mapping, Civil and Site Engineering, Geotechnical Engineering, and Construction.

Should any questions arise, or if we can supply additional information or be of further service to you, the Purchasing Division, or the West Virginia Department of Environmental Protection, please contact me anytime at (304) 472-7140.

Respectfully Submitted,

STANTEC CONSULTING SERVICES INC. (Formerly R.D. Zande and Associates, Inc.)



Dennis E. Miller, Principal

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Attachment: Stantec EOI for the Fairmont East Mine Drainage and Rachel Refuse and Structures Design Services Project

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STATE OF WV