



**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.

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**Stantec Consulting Services Inc.**  
1 Moore Avenue  
Buckhannon, WV 26201  
Tel: (888) 830-1272  
Fax: (304) 472-6239

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**Stantec**

May 14, 2008

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

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

Dear Mr. Estes:

**Reference: Hampton Number Four Maintenance Design Services**

Please find enclosed an Expression of Interest (EOI) for Stantec Consulting Services Inc. to perform engineering services for Hampton Number Four Maintenance Design Services, P.O. Number DEP 14239, 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. 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 Hampton Number Four Maintenance 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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## Reference: Hampton Number Four Maintenance Design Services

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

1.	WVDEP Emergency AML: Laurel Valley (Daniels) Landslide;		
\$284,000	<b>13,000 C.Y. Earthwork</b>	Surveying and Mapping	Construction Plans and Specifications, <b>Geotechnical</b>
Eng.	<b>182 L.Ft. "V" Ditches</b>	<b>200 L.Ft. Subs. Drain</b>	<b>Subsurface Investigation,</b>
Estimate	<b>696 L.Ft. Culverts</b>	Debris Removal	Cost Estimates, Project Mapping, Hydrologic Investigation, <b>Revegetation Plan,</b> Project Reporting and Invoicing
		<b>Existing and Proposed Slope Stability Analysis</b>	
		Sediment Control Plan	
		Revegetation 4.0 Acs.	
2.	WVDEP: Weaver Portals and Mine Drainage, Phase I and Phase II;		
\$2,200,000	<b>162,821 C.Y. Earthwork</b>	<b>14 Wet Mine Seals</b>	Construction Plans and Specifications, Geotechnical
Eng.	<b>6,543 L.Ft. "V" Ditches</b>	<b>1,170 L.Ft. Subs. Drain</b>	Subsurface Investigation, <b>Cost</b>
Estimate	<b>1,947 L.Ft. Flt Btm Ditches</b>	Debris Removal	<b>Estimates,</b> Project Mapping, Hydrologic Investigation, <b>Revegetation Plan,</b> Project Reporting and Invoicing
	<b>321 L.Ft. Culverts</b>	<b>De-watering Plan</b>	
		Six Limestone Beds	
		w/Aluminators and Flush Ponds	
3.	WVDEP: Sauls Run Strip and Landslide;		
\$980,000	<b>59,350 C.Y. Earthwork</b>	<b>Existing and Proposed Slope</b>	Construction Plans and Specifications, <b>Geotechnical</b>
Eng. Estimate	<b>2,483 L.Ft. "V" Ditches</b>	<b>Stability Analysis</b>	<b>Subsurface Investigation,</b>
	<b>281 L.Ft. Flt Btm Channel</b>	<b>285 L.Ft. Culverts</b>	Cost Estimates, Project Mapping, Hydrologic Investigation, <b>Revegetation Plan,</b> Project Reporting and Invoicing
		<b>500 L.Ft. Subs. Drain</b>	
		Sediment Control Plan	
		Revegetation 6.7 Acs.	
4.	WVDEP: Tunnelton (Dillsworth) Landslide;		
\$222,000	<b>84' x 18' Gabion</b>	<b>Existing and Proposed Slope</b>	Construction Plans and Specifications, <b>Geotechnical</b>
Eng.	<b>Basket Wall</b>	<b>Stability Analysis</b>	<b>Subsurface Investigation,</b> Cost
Estimate	<b>195' Subsurface Drain</b>	<b>201 L.Ft. Culverts</b>	Estimates, Project Mapping, Hydrologic Investigation, <b>Revegetation Plan,</b> Project Reporting and Invoicing
		Sediment Control Plan	
		Revegetation 0.3 Acs.	

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## Reference: Hampton Number Four Maintenance Design Services

Some EOI-specific experience completed for the West Virginia Conservation Agency includes:

1. Laurel Lake Sediment Removal Project;  
\$800,000 **77,000 C.Y. Earthwork**      Debris Removal      Construction Plans and Specifications,  
Bid      90 L.Ft. Flat Bottom Ditches      Refuse Removal Plan      Geotechnical Subsurface  
Estimate      Off-Site Disposal Area      **De-watering Plan**      Investigation, **Cost Estimates**, Project  
Traffic control Plan      **Access Road**      Mapping, Hydrologic Investigation,  
Utility and DOH Coordination      **Improvement and**      **Revegetation Plan**, Project Reporting  
**Construction**      and Invoicing
  
2. North Fork Hughes River Stream Bank Stabilization Project:  
\$15,000      Mid-Channel Bar Removal      Construction Plans and Specifications,  
Bid      Structure Stabilization      Geotechnical Subsurface Investigation, **Cost**  
Estimate      350 L.Ft. by 9 Ft. high Riprap Revetment Stream      **Estimates**, Project Mapping, Hydrologic  
Bank Protection      Investigation, **Revegetation Plan**, Project  
Reporting and Invoicing
  
3. Parchment Valley Stream Bank Protection Project:  
\$25,000      3,100 C.Yds. Excavation      Construction Plans and Specifications,  
Bid      600 L.Ft. by 15 Ft. high Riprap Revetment      Geotechnical Subsurface Investigation, **Cost**  
Estimate      Stream Bank Protection      **Estimates**, Project Mapping, Hydrologic  
Investigation, **Revegetation Plan**, Project  
Reporting and Invoicing

At the request of WVDEP, Stantec can provide Quality Control/Quality Assurance and Construction Observation for the Hampton Number Four Maintenance 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:**  
Bid      Plant - Single Train to Treat      Concrete Flocculator      **Concrete testing and**  
Estimate      1,000 GPM      Concrete Settling Basin      **reporting, Compaction testing**  
Construction Plans and      Concrete Sludge Thickener      **and reporting, Full Time**  
Specifications Project      Concrete Geo-Tube Slab      **Construction Observation and**  
Mapping      Bridge over Stonecoal Creek      **Reporting**  
Hydrologic Investigation
  
2. WVCA: Fisher-Mill Creek Bank Stabilization;  
\$284,000      **148 L.Ft. Drilled Pile**      **Construction Inspection:**  
Eng. Est.      **and Lag Wall,**      **Concrete testing and reporting,**  
Ground Water and      **Compaction testing and reporting,**  
Surface Water      **Full Time Construction Observation**  
Diversion      **and Reporting**  
Construction Plans and  
Specifications,  
Project Mapping,  
Hydrologic Investigation  
**Geotechnical Investigation**  
**Existing and Proposed**  
**Slope Stability**

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**Reference: Hampton Number Four Maintenance Design Services**

The above Projects demonstrate some of our Project-Specific and Project-Related experience and details a "one-stop shopping" solution for the Hampton Number Four Maintenance Design Services project. Projects outlined in our attached AMLCCQQ provide more details on the above Projects as 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 Charleston office, in collaboration with 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

Tel: (304) 472-7140  
Fax: (304) 472-6239  
Dennis.Miller@stantec.com

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PURCHASING DIVISION  
STATE OF WV

Attachment: Stantec EOI for the Hampton Number Four Maintenance Design Services Project