



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

Stantec

March 20, 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: Anglins Run No. 1 and Roaring Creek Restoration

On January 2, 2008 R.D. Zande and Associates, Inc. joined Stantec Consulting Services Inc. The integration of these two engineering organizations provides an enormous, broad-based pool of over 8,200 employees with specialized expertise in all forms of engineering and construction tasks to better serve our local customer's needs. Stantec now has two office locations in West Virginia at Charleston and Buckhannon. The Buckhannon office is in close proximity to the project site and is readily available to provide engineering services on the Anglins Run No. 1 and Roaring Creek Restoration AML Project. 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 Anglins Run No. 1 and Roaring Creek Restoration AML Project, P.O. Number DEP 14232.

Stantec (formerly R.D. Zande and Associates, Inc.) has Project specific experience successfully completing Projects for the West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands (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 additional Projects for the WVAML Program. Our AML Project experience includes surveying and mapping; subsurface investigations; groundwater and surface water testing and analyses; wet mine seals and modified wet mine seals with bat gates design; vertical shaft cap design; mass balanced earthwork quantities; structure demolition and removal plans; site drainage design including hydrologic and hydraulic studies for bridges, natural stream design; channels, ditches, pipes and box culverts; civil site design; sediment control; and revegetation plans as well as construction plans and specifications. Approximately half of the above projects involved passive acid mine drainage 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 construction completion and start-up operations.

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

- | | | | |
|---------------|---|--------------------------------------|--|
| 1. | WVDEP: Weaver Portals and Mine Drainage, Phase I and Phase II; | | |
| \$2,200,000 | 162,821 C.Y. Earthwork | 14 Wet Mine Seals | Construction Plans and |
| Eng. | 6,543 L.Ft. "V" Ditches | 1,170 L.Ft. Subs. Drain | Specifications, Geotechnical |
| Estimate | 1,947 L.Ft. Flt Btm Ditches | Debris Removal | Subsurface Investigation, |
| | 321 L.Ft. Culverts | De-watering Plan | Cost Estimates , Project |
| | | Six Limestone Beds | Mapping, Hydrologic |
| | | w/Aluminators and Flush Ponds | Investigation, Revegetation |
| | | | Plan , Project Reporting and |
| | | | Invoicing |
| 2. | WVDEP: Price Hill Airshaft/Buildings; | | |
| \$627,000 | 1,300 C.Y. Earthwork | 2 Vertical Mine Seals | Construction Plans and |
| Bid | 53 "V" Ditches | Debris Removal | Specifications, Geotechnical |
| Estimate | 42 L.Ft. Grouted "V" Ditches | Refuse Removal Plan | Subsurface Investigation, Cost |
| | 20 L.Ft. Flat Bottom Ditches | De-watering Plan | Estimates , Project Mapping, |
| | 150 L.Ft. Subsurface Drain | Access Road Improvement | Hydrologic Investigation, |
| | | and Construction | Revegetation Plan , Project |
| | | | Reporting and Invoicing |
| 3. | WVDEP: Sauls Run Strip and Landslide; | | |
| \$980,000 | 59,350 C.Y. Earthwork | Existing and Proposed | Geotechnical Investigation |
| Eng. | 2,483 L.Ft."V" Ditches | Slope Stability | Construction Plans and |
| Estimate | 281 L.Ft. Flt Btm | 285 L.Ft. Culverts | Specifications, Project |
| | Channel | 500 L.Ft. Subs. Drain | Mapping |
| | | Sediment Control Plan | Hydrologic Investigation |
| | | Revegetation 6.7 Acs. | |
| 4. | WVDEP: Tunnelton (Dillsworth) Landslide; | | |
| \$222,000 | 84' x 18' Gabion | Existing and Proposed | Geotechnical Investigation |
| Eng. | Basket Wall | Slope Stability | Construction Plans and |
| Estimate | 195' Subsurface Drain | 201 L.Ft. Culverts | Specifications, Project |
| | | Sediment Control Plan | Mapping |
| | | Revegetation 0.3 Acs. | Hydrologic Investigation |
| 5. | WVDOH: U.S. Route 35 Little Five Mile Creek to County Route 17/1; | | |
| \$27,300,000 | 1,780,000 C.Y. Earthwork | Demolition of 21 | Construction Plans and Specifications, |
| Eng. Estimate | 4 Bridges | Buildings | Project Mapping, Subsurface |
| | 29-foot box culvert 10' x 6' | 600 L.Ft. | Investigation, Hydrologic Investigation, |
| | 23,500 L.Ft. Ditches | Natural Stream | Cost Estimates |
| | 6,510 L.Ft. Culverts | Design | |

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At the request of WVDEP, Stantec can provide Quality Control/Quality Assurance and Construction Observation for the Anglins Run No. 1 and Roaring Creek Restoration AML 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;
Active Alkaline Treatment Plant - Single Train to Treat
1,000 GPM
Construction Plans and Specifications Project
Mapping
Hydrologic Investigation | Concrete Aeration Basin
Concrete Flocculator
Concrete Settling Basin
Concrete Sludge Thickener
Concrete Geo-Tube Slab
Bridge over Stonecoal Creek | Construction Inspection:
Concrete testing and reporting, Compaction testing and reporting, Full Time Construction Observation and Reporting |
| \$3,100,000
Bid
Estimate | | | |
| | | | |
| 2. | WVCA: Fisher-Mill Creek Bank Stabilization;
148 L.Ft. Drilled Pile and Lag Wall ,
Ground Water and Surface Water
Diversions | Construction Inspection:
Concrete testing and reporting, Compaction testing and reporting, Full Time Construction Observation and Reporting | Geotechnical Investigation
Construction Plans and Specifications,
Project Mapping,
Hydrologic Investigation
Existing and Proposed Slope Stability |
| \$284,000
Eng. Est. | | | |

The above Projects demonstrate some of our Project-Specific and Project-Related experience and details a "one-stop shopping" solution for the Anglins Run No. 1 and Roaring Creek Restoration AML 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 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 8,200 professionals in Surveying and Mapping, Civil and Site Engineering, Geotechnical Engineering, and Construction.

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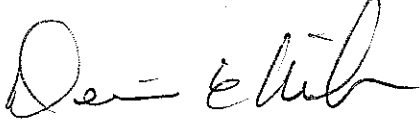
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Should any questions arise, or if we can supply additional information or be of further service to you, the Purchasing Division, or the West Virginia Department of Environmental Protection, please contact me anytime at (304) 472-7140.

Respectfully Submitted,

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

A handwritten signature in black ink, appearing to read "Dennis E. Miller". The signature is fluid and cursive, with a large initial "D" and "M".

Dennis E. Miller, Principal

Tel: (304) 472-7140

Fax: (304) 472-6239

Dennis.Miller@stantec.com

Attachment: Stantec EOI for Anglins Run No. 1 and Roaring Creek Restoration