

Idaho Department of Environmental Quality
Request for Qualifications No. RFQ#11-02
For
Coeur D'Alene Basin Engineering Support



Issued By:

Department of Environmental Quality Fiscal Office
1410 North Hilton
Boise, Idaho 83706

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I. Introduction

The Idaho Department of Environmental Quality (DEQ) is soliciting statements of qualifications for performing engineering and support services. Services will be performed in conjunction with the objectives and scope of the remedial actions occurring in the Bunker Hill Mining and Metallurgical Complex Super Fund Site in the Coeur D'Alene Basin of Idaho.

Near term project work will include the identification and initial development of a repository design that will safely store a wide variety of waste associated with or contaminated by mineral extraction and processing. The selected repository location is in Canyon Creek, east of Woodland Park on the abandoned Star Tailings Impoundment just upstream of Grays Bridge road. The selected location is shown on the map provided in Attachment E. Identification of the appropriate repository design will require technical justification based on site specific environmental conditions, state, federal, and local regulations and the objectives identified in the 2002 Record of Decision (USEPA, 2002). Design work will require developing specifications for the entire life cycle of the facility from identification of an initial design through capping and post closure operations and maintenance.

The scope of work performed can be dynamic as remedial priorities continually evolve due to a host of changing variables. A well-qualified firm will demonstrate a capacity to rapidly shift direction and reallocate resources to meet the needs of the DEQ. Projects could include design, review, and cost estimation for a variety of remedial actions intended to address metals contamination in surface water, ground water, mine drainage, tailings, soils, and other media.

II. RFQ Instructions

This Request for Statement of Qualifications (RFQ) is issued January 23, 2012 by the Idaho Department of Environmental Quality. All questions relating to the RFQ must be addressed in writing by email to Marcia Todd at marcia.todd@deq.idaho.gov or by fax at (208) 373-0315. All questions shall be received by February 3, 2012 at 4:00 p.m. and will be answered by February 10, 2012. All responses to questions/clarifications will be sent to all prospective bidders in the form of an addendum. Written responses to this RFQ must be received by the Department of Environmental Quality, Marcia Todd/Fiscal Office, ATTN: RFQ#11-02, 1410 North Hilton, Boise, Idaho 83706 no later than 4:00 p.m. on March 2, 2012. Each party shall submit four (4) copies that must be clearly marked "RFQ#11-02 Coeur D'Alene Basin Engineering Support". The DEQ reserves the right to accept or reject any or all responses and/or to waive any formality or technicality in any response to the RFQ. Interested parties are not to contact DEQ personnel.

III. Project Background

Mining within the Coeur d'Alene Basin began more than 100 years ago. The Basin has been one of the leading silver, lead, and zinc-producing areas in the world. The region surrounding the South Fork of the Coeur d'Alene River has produced over 97 percent of the ore mined in the Basin. The U.S. Bureau of Land Management has identified nearly 900 mining or milling-related features in the region surrounding the South Fork.

Mining-related activities generated tailings, waste rock, concentrates, and smelter emissions. In addition, the water that drains from many abandoned adits contains elevated levels of metals.

These are the sources of metals contamination in the Basin. Until 1968, most tailings were discharged directly into the South Fork or its tributaries. Since 1968, tailings produced have generally been impounded or placed back in the mines. Current mining practices contribute relatively little contamination to the river system compared to the existing contamination resulting from pre-1968 practices. An estimated 62 million tons of tailings were discharged to streams prior to 1968. These tailings contained an estimated 880,000 tons of lead and more than 720,000 tons of zinc. Most of the tailings were transported downstream, particularly during high flow events, and deposited as lenses of tailings or as tailings/sediment mixtures in the bed, banks, floodplains, and lateral lakes of the Upper Basin and Lower Basin and in Coeur d'Alene Lake. Some fine grained material washed through the lake and was deposited as sediment within the Spokane River flood channel. The estimated total mass and extent of impacted materials (primarily sediments) exceeds 100 million tons dispersed over thousands of acres. In addition to transport in water, mining waste accumulated along the railroad lines as a result of spillage of ore and concentrates from railroad cars during transport, was used as fill material for construction of roads, railroads, and structures, and was transported as airborne dust.

In 1983 the Bunker Hill Mining and Metallurgical Complex was placed on the National Priorities list. This site encompasses the 21-square mile area surrounding the Bunker Hill smelter complex. In 1998 the Superfund designation was extended to cover contaminated areas in the basin, Lake Coeur d'Alene and the Spokane River. The extended area was designated as Operable Unit 3 (OU3).

The Selected Remedy in the Bunker Hill Mining and Metallurgical Complex OU3 Record of Decision (ROD), signed September 12, 2002 (USEPA, 2002), was chosen in accordance with the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act, and, to the extent practicable, the National Contingency Plan (NCP). In part, for the protection of human health in the community and residential areas, the Selected Remedy identified partial excavation of soils having a lead concentration above 1000 milligrams per kilogram. Implementation of the Selected Remedy requires construction of repositories for disposal of metals-contaminated soils, sediments, debris, and treatment residuals.

Repository siting has been identified as one of the key technical issues that may affect cleanup. The OU3 ROD identified a four-step process that will generally be used to evaluate potential repository locations and specify design requirements. Waste repositories that are designed and constructed in the Coeur d'Alene Basin pursuant to the OU3 ROD will only be able to receive material generated by the cleanup activity associated with the Selected Remedy in the OU3 ROD or material that requires disposal at a location pursuant to the Basin ICP. This material will include soils, house dust, certain contaminated building materials, alluvial and fluvial soils, and sediment contaminated by mining extraction and beneficiation process wastes released from historical mining facilities in the Coeur d'Alene Basin. This material, along with tailings and waste rock that may also be consolidated in repositories, is exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C hazardous waste management requirements pursuant to the Bevill Amendment (40 CFR 261.4(b)(7)).

Repositories constructed pursuant to the OU3 ROD will be designed to reliably contain waste material and prevent the release of contaminants to surface water, groundwater, or air in concentrations that would exceed state and/or federal standards.

In 2010 the process of amending the OU3 ROD was initiated in order to provide a comprehensive approach for addressing surface water quality in the Upper Basin. Development of the Upper Basin ROD amendment is currently underway and will be completed in early 2012.

IV. Basic Elements of the Project

The purpose of this RFQ is to procure engineering services to IDEQ for any combination of the following activities:

1. Design repositories to safely store materials associated with mineral extraction such as metals-contaminated soils, sediments, treatment residuals, or debris contaminated with the byproducts of mineral extraction. Design work will require developing specifications for the entire life cycle of the facility from identification of an appropriate site specific design through capping and post closure operations and maintenance.
2. Develop or review remedial design and remedial action documents and plans, including conceptual, interim, and final plans; developing and reviewing specifications, designs, and performance standards; developing and evaluating value engineering and engineering cost estimates and cost control practices; developing operating and maintenance plans; and generating monitoring and evaluation plans (including SAP/QAPPs) with specific components for engineered and geotechnical components of the repository, and surface and ground water monitoring.
3. Provide construction oversight to ensure compliance with designs and specifications of approved plans and contracts. Serve as owner's representative on remedial action projects by following field management, QA/QC procedures, field documentation, and other procedures as required to make sure remedial goals are met. As owner's representative will also provide technical assistance during public presentations or meetings regarding future plans and developments.
4. Coordinate technical work group meetings to discuss remedial design and constructability, construction schedules and progress, changes in construction, operating and maintenance work orders. Problem areas will be evaluated and solutions formulated.
5. Develop engineering bid packages and provide technical specifications for contractor performance.
6. Prepare technical memoranda to address technical adequacy of conceptual, interim, and final designs, plans, and specifications for engineering practices, including development and/or review of CERCLA major milestone documents.
7. Design, review, plan, implement, oversee or perform other IDEQ approved activities as required to implement treatability studies, demonstration projects, pilot studies, remedial activities, warranty activities, and other activities associated with remedial design and remedial action to address metals contamination in surface water, ground water, mine drainage, tailings, soils, and other media.
8. Provide design, review and operation and maintenance cost estimates for water treatment systems design to treat metals contaminated surface water, ground water, mine drainage and domestic or industrial wastewater.

9. Design, review, plan, implement, or oversee a variety of projects intended to facilitate the long term stability of previously conducted remedial actions from floods, fires or other natural disasters.
10. Collaborate with tribal, state, federal and local agencies and their contractors to develop remedial designs that conform to regulatory and performance specifications. Collaboration with a variety of special interest groups and the public may be necessary for the implementation of successful remedial projects.

V. Response Content

Responses to this RFQ must be organized as outlined below. Responses not organized as outlined below, not containing the information specified, or not containing sufficient detail may receive a lower rating when evaluated. Provide four (4) copies containing the following:

1. Letter of Introduction. Please provide a letter of introduction that briefly introduces your firm and gives the location of the office that will be primarily responsible for the work and identifies the contact person in your organization for future correspondence on this Project.
2. Firm History. Please provide a brief history of your firm. Include the number of offices, total number of employees, and the type of work that your firm performs. Provide a list of all offices in Idaho and the Pacific Northwest.
3. Qualifications. Please present information concerning your firm's qualifications and general approach to the consulting services criteria listed in this RFQ.
4. Project Experience. Provide a table or chart summarizing your firm's project experience. Show projects, locations, and the types of services performed based on the consulting services criteria. In addition, provide detailed project descriptions of the projects shown in the summary table. Project descriptions should conform to the specifications identified in Section VI below. Highlight previous experience with DEQ or other projects with a similar scope of work. Provide at least five (5) client references of similar projects.
5. Key Personnel. Provide a list of key personnel who have specialized experience and expertise relating to the consulting services criteria. List only those that are likely to actually perform the work described in this RFQ. Show their education, registrations, special expertise, and the location of the office to which each is assigned. Provide resumes for each. Summarize the number of employees available to support the key personnel shown above in performing the work. Show these employees by location and discipline. Descriptions of the key personnel should conform to the specifications identified in Section VI below.
6. Overall Approach. Please explain your firm's overall approach toward producing a repository design, including the scope of work and the coordination of activities necessary to accomplish the project design.
7. Price Proposal. None is required at this time. Fees are to be negotiated with the selected firm(s) under each professional category.
8. Any other document required by this RFQ.

VI. Statement of Qualifications

Project descriptions

The relevant design experience and the technical capabilities of the firm and any sub-contractors shall be described. Project descriptions identified by the firm must demonstrate experience on similar projects to the anticipated work under this RFQ. The description of project experience will include the contract amount, the dates that work was performed, where the work was performed, and the identification of the use of subcontractors. The name and phone number of a knowledgeable contact person should be provided so that IDEQ may contact these people to check past performance records.

IDEQ is most interested in the qualifications that are directly related to the engineering needs of the Coeur D'Alene Basin remedial projects. To that end the firm must focus their descriptions in the following areas:

- Qualifications and experience with the design and oversight of projects governed by Federal statutes including CERCLA, SARA, RCRA, TSCA, CWA, SDWA, and associated regulations.
- Qualifications and experience with design and construction oversight of remediation projects with annual costs of more than \$1 million.
- Qualifications and experience with the design, siting, closure, and operations and maintenance of repositories, landfills, or disposal cells.
- Qualifications and experience with the design, operation, and maintenance of water treatment systems for treatment of metals contaminated surface water, ground water, mine drainage and domestic or industrial wastewater.
- Qualifications and experience with the design, and oversight of ground water remediation projects, especially those involving treatment to remove heavy metals from ground water.
- Qualifications and experience with the design of flood hazard mitigation projects and programs within areas having the Superfund designation.
- Personnel

Firms shall provide a description of relevant expertise of proposed personnel (consultants and sub-consultants) who will be available to perform engineering and technical services for the work anticipated under this RFQ. Information shall include a description of each individual's discipline, relevant experience, and certifications. Brief resumes of individuals proposed to be key participants in the near term design work shall be included. Resumes must not exceed 3 pages per individual and should be limited to pertinent information that clearly demonstrates the individual's ability to successfully complete the relevant task.

A licensed professional engineer (PE) holding a current license in the state of Idaho will oversee any planning and design activities in connection with the projects proposed in this RFQ, when such services require the application of engineering principles and data. Applicable documents will be signed and stamped by a PE.

The Firm must demonstrate that the PE assigned to these activities has experience developing designs, plans and documents to meet EPA minimum standards. In the event that personnel proposed are not available for work on a particular task or are otherwise unable to perform the services, personnel substituted shall have equivalent experience and

expertise of those persons included in the bid proposal. IDEQ shall have final approval for any personnel substitutions.

VII. Selection Schedule and Requirements

1. Request for Qualification information is available January 23, 2012.
2. Sealed qualifications are due to the Idaho Department of Environmental Quality, Marcia Todd/Fiscal Office, ATTN: RFQ#11-02, 1410 North Hilton, Boise Idaho 83706. Each interested party shall submit four (4) copies, which must be clearly marked “RFQ#11-02 Coeur d’Alene Basin Engineering Support” no later than 4:00 p.m. on March 2, 2012.

Any response received after March 2, 2012 at 4:00 p.m. will be returned to the proposer unopened. The responsibility for submitting qualifications before the stated time and date is solely strictly the responsibility of the proposer. The DEQ will not be responsible for delays caused by mail, courier service, including the U.S. Mail, or any other occurrence.
3. Statements of qualifications will be opened on March 2, 2012 at 4:10 p.m. by DEQ Contract Officers in the DEQ Lobby which is located at 1410 North Hilton, Boise, Idaho.
4. All questions or clarifications concerning this RFQ shall be submitted in writing by mail to Department of Environmental Quality, ATTN: Marcia Todd, Fiscal Office, 1410 North Hilton, Boise, Idaho, 83706 or emailed to marcia.todd@deq.idaho.gov or facsimile (208)373-0315 no later than February 3, 2012 at 4:00 p.m.
5. The selection committee will review all written responses to the RFQ. From that review, the committee will select respondents that best meet the requirements of the RFQ. The committee shall notify selected respondents.
6. DEQ may require presentations of pertinent experience and interview of selected respondents. Presentations will be limited to the scope of services, approach to the Project, and pertinent experience.
7. The selection committee shall rank the respondents in an order which demonstrates the committee’s belief that the respondent will provide the services DEQ desires in accordance with the established Evaluation Criteria. This list of ranked respondents shall be submitted to the Program Manager for review and approval
8. The selection committee will negotiate with the highest ranked respondent on a necessary and reasonable contract price for the respondent’s services. If unable to negotiate a contract price, the selection committee shall negotiate with the next ranked respondent.

NOTE: DEQ may request, accept, and consider proposals for the compensation to be paid under the contract only during competitive negotiations.
9. Once a price is negotiated, the selection committee is anticipated to forward its recommendation of the successful respondent to the DEQ Program Manager. The Program Manager will review the recommendation of the selection committee and, at his option, will award the contract at the negotiated contract price to the successful respondent. The successful respondent will be required to sign the DEQ Standard

Contract. The Program Manager may, at his option, reject the recommendation of the selection committee.

10. The projected notification date will likely be March 12, 2012.
11. The projected contract start date will likely be March 19, 2012.
12. DEQ reserves the right to accept or reject any or all responses.

VIII. Evaluation Criteria

Evaluation Criteria	Possible	Points	Score
Proposal Format (appearance, follows instructions, # of pages)	50	___ X 10	
Technical Qualifications	350	___ X 70	
Project Approach	350	___ X 70	
Work Examples/References	75	___ X 15	
Project Staffing	75	___ X 15	
Interview (if required)	100	___ X 20	
TOTALS	1000		

Rating Points:

- **5.0 – Excellent**
- **4.0 – Good**
- **3.0 – Meets Minimum Expectations**
- **2.0 – Unsatisfactory**

Fractional ratings can be used (e.g. 2.8, or 4.5)

IX. References

USEPA, 2002. Bunker Hill Mining and Metallurgical Complex Operable Unit 3 Record of Decision. Signed September 12, 2002.

ATTACHMENT B

CERTIFICATION REGARDING ILLEGAL IMMIGRANTS

The CONTRACTOR certifies that it and its principals, employees, and subcontractors:

- a) Are not presently employing individuals ineligible under federal and state law to work in the United States.;
- b) Have developed and implemented procedures to verify and ensure that all new employees are eligible for employment under federal and state laws
- c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (federal, state, or local) with violation of any federal or state law regarding hiring of illegal immigrants

I understand that false statements on this certification may be grounds for termination of the contract and that the CONTRACTOR may be subject to appropriate civil penalties.

TYPED CONTRACTORS NAME or DBA

Signature of Authorized Representative Date

I am unable to certify to the above statement. My explanation is attached.

ATTACHMENT C

WORKER'S COMPENSATION INSURANCE

The CONTRACTOR, its subcontractor(s), if any, and all employers providing work, labor or materials under this contract are subject employers under the Idaho Worker's Compensation Law, and shall comply with Idaho Statutes regarding Worker's Compensation.

For the duration of this Contract, and until all work specified herein is complete, the CONTRACTOR, its subcontractor(s), if any, and all employers providing work, labor or materials under this contract shall provide Idaho Worker's Compensation coverage that satisfies Idaho law for all their subject workers.

The CONTRACTOR must have a valid Worker's Compensation insurance policy in effect prior to the DEPARTMENT generating the contract. The CONTRACTOR must show proof of such coverage by presenting to the DEPARTMENT a valid certificate of insurance showing statutory coverage.

ATTACHMENT D

LIABILITY INSURANCE

For the duration of the Contract and until all work specified in the Contract is completed, the CONTRACTOR shall have and maintain, at CONTRACTOR'S expense, the liability insurance set forth below and shall comply with all limits, terms and conditions of such insurance.

Work under this Contract shall not commence until evidence of all required insurance is provided to the DEPARTMENT. Evidence of insurance shall consist of a completed certificate of insurance signed by the insurance agent for the CONTRACTOR and made a part of this Contract.

Required Insurance:

1. Commercial General Liability Insurance. The CONTRACTOR shall have and maintain Commercial General Liability (CGL) Insurance covering bodily injury and property damage. This insurance shall include personal injury liability coverage; blanket contractual liability coverage for the indemnity provided under this Contract and products/completed operations liability. The combined single limit per occurrence shall not be less than \$1,000,000 or the equivalent. Each annual aggregate limit shall not be less than \$2,000,000, when applicable, and will be endorsed to apply separately to each job site or location.

Additional Requirements:

1. State of Idaho as Additional Insured. The liability insurance coverage required for performance of the Contract shall include the State of Idaho, the Department of Environmental Quality and its division, officers and employees as additional insured, but only with respect to the CONTRACTOR'S activities to be performed under this Contract.
2. Notice of Cancellation or Change. The CONTRACTOR shall ensure that all policies of insurance are endorsed to read that there shall be no cancellation, material change, potential exhaustion of aggregate limits or intent not to renew insurance coverage(s) without sixty (60) days prior written notice from the CONTRACTOR or its insurer to the Department of Environmental Quality. CONTRACTOR shall further ensure that all policies of insurance are endorsed to read that any failure to comply with the reporting provisions of this insurance, except for the potential exhaustion of aggregate limits, shall not affect the coverage(s) provided to the State of Idaho, Department of Environmental Quality and its divisions, officers and employees.

Attachment E
Repository Location Map

