



**Response Action Contract**  
Contract No. 68-W-98-228

**BASIN ENVIRONMENTAL  
MONITORING PLAN**  
**Bunker Hill Mining and  
Metallurgical Complex  
Operable Unit 3**

**March 2004**

**COEUR D'ALENE BASIN ENVIRONMENTAL MONITORING PLAN**

**Prepared by  
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**and**

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**Prepared for  
U.S. Environmental Protection Agency  
Region 10  
1200 Sixth Avenue  
Seattle, Washington 98101  
Contract No. 68-W-98-228  
Work Assignment No. 095-RI-CO-I02Q**


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**March 26, 2004**


CONCURRENCE PAGE

The U.S. Environmental Protection Agency, Idaho Department of Environmental Quality, Coeur d'Alene Tribe, Washington State Department of Ecology, Spokane Tribe, U.S. Fish and Wildlife Service, and the U.S. Geological Survey have participated in the development of the Coeur d'Alene Basin Environmental Monitoring Plan (BEMP) for the OU 3 ROD. The BEMP has been developed with the extensive involvement of the Coeur d'Alene Basin Environmental Improvement Commission's Technical Leadership Group and Monitoring Project Focus Team. The undersigned representatives concur that the monitoring plan is appropriate given the boundaries established by available funding to obtain technical data for the following purposes:

- Assessment of long-term basin-wide status and trends in surface water, soil/sediment and biota
- Evaluation of the overall effectiveness of the Selected Remedy
- Evaluation of progress toward cleanup benchmarks
- CERCLA-required five-year reviews.

  
\_\_\_\_\_  
Anne Dailey, USEPA  
EPA Project Manager

1/29/04  
Date

  
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Bruce Woods, USEPA  
EPA Quality Assurance Officer

20 Feb 04  
Date

  
\_\_\_\_\_  
Luke Russell, IDEO

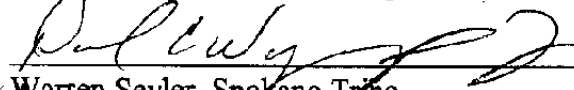
2-11-04  
Date

  
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Phil Cerna, Coeur d'Alene Tribe


2-11-04  
Date

  
\_\_\_\_\_  
John Roland, Washington Department of Ecology

1-29-04  
Date

  
\_\_\_\_\_  
Warren Seyler, Spokane Tribe

1-27-04  
Date

  
\_\_\_\_\_  
Dan Audet, US Fish and Wildlife Service

1-29-04  
Date

  
\_\_\_\_\_  
Paul Woods, US Geological Survey

2/11/04  
Date

**ENDORSEMENT OF THE BASIN ENVIRONMENTAL MONITORING PLAN BY  
BASIN ENVIRONMENTAL IMPROVEMENT PROJECT COMMISSION**

The Coeur d'Alene Basin Environmental Improvement Project Commission ("the Basin Commission") was established "to implement the 2002 Record of Decision" to address heavy metal contamination in the Coeur d'Alene Basin. Commission board members include representatives from the State of Idaho, the State of Washington, the United States, the Coeur d'Alene Tribe, Shoshone County, Kootenai County, and Benewah County.

An overview of the Basin Environmental Monitoring Plan was presented to the Basin Commission at their November 2003 meeting. At the February 2004 Commission meeting, a motion supporting and endorsing implementation of the Coeur d'Alene Basin Environmental Monitoring Plan passed unanimously with a vote of 7-0.

## ACKNOWLEDGEMENTS

The Coeur d'Alene Basin Environmental Monitoring Plan (BEMP) has benefited from a collaborative development effort involving many individuals and entities. Since January 2002, EPA has been working with Coeur d'Alene Basin stakeholders to collaboratively develop a long-term Basin environmental monitoring program. Organizations initially involved with EPA in development of the monitoring program include the Idaho Department of Environmental Quality, Washington Department of Ecology, Coeur d'Alene Tribe, Spokane Tribe, U.S. Fish and Wildlife Service, U.S. Geological Survey, and the Bureau of Land Management and EPA's contractor, URS Corporation.

Since establishment of the Coeur d'Alene Basin Environmental Improvement Project Commission ("Basin Commission") in August 2002, EPA has been working with the Commission and its support teams to develop this monitoring plan. The Monitoring Project Focus Team was established to focus on monitoring issues. Members were self-selected but included all of the parties involved in the initial monitoring work group established in January 2002 as well as additional participants. The BEMP has substantially benefited from the involvement of the many parties and different points of view.

A hearty thank you to the following individuals and organizations for their involvement, ideas and energy in development of the Coeur d'Alene Basin Environmental Monitoring Plan. It is a better plan for your involvement! Thanks, Anne Dailey

Luke Russell, IDEQ  
Nick Zilka, IDEQ  
Philip Cerner, Coeur d'Alene Tribe  
Jack Gunderman, Coeur d'Alene Tribe  
John Roland, Ecology  
Paul Woods, USGS  
Terry Maret, USGS  
Steve Box, USGS  
Dan Audet, USFWS  
Jim Hansen, USFWS  
Julie Campbell, USFWS  
Fred Kirschner, Spokane Tribe  
Randy Connolly, Spokane Tribe  
David Fortier, BLM  
Kathy Stangl, BLM  
Jeff Johnson, USFS  
Bob Kirkpatrick, USFS  
Callie Ridolfi, Ridolfi Engineers  
Tom Bowden, Ridolfi Engineers  
Bruce Duncan, EPA  
Bruce Woods, EPA

Bill Rust, Shoshone County  
Clyde Sheppard, Kootenai County  
Rogers Hardy, Benewah County  
Lloyd Brewer, City of Spokane  
Kathy Johnson, Johnson Environmental  
John Snider, Citizens Coordinating Council  
Kristy Johnson, Citizens Coord. Council  
Bob Martinson, Citizens Coord. Council  
Kathy Zanetti, Citizens Coord. Council  
Toni Hardy, Citizens Coordinating Council  
Connie Fudge, Citizens Coord. Council  
Steven Hughes, URS Corporation  
Kevin Lundmark, URS Corporation  
Chuck Vita, URS Corporation  
Dave Walker, URS Corporation  
Jim Stefanoff, CH2M Hill  
Jerry Lee, Terragraphics  
Bryony Hansen, Golder Associates  
Mark Sprenger, EPA  
Bethany Grohs, EPA  
Ben Cope, EPA