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BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD (BBMAR)

March 11, 2003

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HEADING: 1. 0. . . PRE-REMEDIAL ACTIVITIES

SUB-HEAD: 1. 1. . . Vol. 1 - Correspondence

SUB-HEAD: 1. 1. 1. . Vol. 1 - Correspondence

1. 1. 1. . Vol. 1 - 1016241 DOC ID: 1016241
DATE: 2/8/1993 PAGES: 3
AUTHOR(S): ADDRESSEE(S):
Cecil D. Andrus/State of Idaho Dana A. Rasmussen/EPA

DESCRIPTION: Letter expressing concern over high concentrations of hazardous substances in front of and within the West Fork Tailings Dam.

1. 1. 1. . Vol. 1 - 1016242 DOC ID: 1016242
DATE: 2/22/1993 PAGES: 12
AUTHOR(S): ADDRESSEE(S):
Michael J. Gippert/U. S. Dept. of Agriculture Randall F. Smith/EPA

DESCRIPTION: Letter requesting that EPA issue an administrative order under CERCLA to the PRP's, M.A. Hanna Co. and Noranda Mining, for tailings at Blackbird Mine.

1. 1. 1. . Vol. 1 - 1050095 DOC ID: 1050095
DATE: 2/23/1993 PAGES: 6
AUTHOR(S): ADDRESSEE(S):
Dana A. Rasmussen/EPA Cecil D. Andrus/State of Idaho

DESCRIPTION: Letter responding to Andrus' letter about a potential emergency situation at Blackbird Mine; 2/8/93 letter from Andrus to Rasmussen attached.

1. 1. 1. . Vol. 1 - DOC ID: 1138748
DATE: 4/5/1995 PAGES: 3
AUTHOR(S): ADDRESSEE(S):
Elton R. Modroo/Idaho Division of Environmental Quality Fran Allans/EPA

DESCRIPTION: Comments on the Draft Appendix A Statement of Work for Early Action Implementation, Blackbird Mine, dated 4/3/95.

1. 1. 1. . Vol. 1 - DOC ID: 1138552
DATE: 7/1/2002 PAGES: 60
AUTHOR(S): ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

File

DESCRIPTION:

Memo incorporating Blackbird Mine Removal Administrative Records into the Blackbird Mine Remedial Administrative Record by reference.

SUB-HEAD: 1. 4. . . Vol. 1 - Preliminary Assessment/Site Investigation Data/Reports

1. 4. . . Vol. 1 - 1016279 DOC ID: 1016279
DATE: 2/3/1985 PAGES: 7
AUTHOR(S): ADDRESSSEE(S):
Bradley D. Harr/Idaho Dept. of Health and Welfare Deborah Flood/EPA

DESCRIPTION:

Potential Hazardous Waste Site Preliminary Assessment.

1. 4. . . Vol. 1 - 1016293 DOC ID: 1016293
DATE: 11/1/1991 PAGES: 70
AUTHOR(S): ADDRESSSEE(S):
U. S. Forest Service EPA

DESCRIPTION:

Preliminary Assessment Site Investigation, Revised, Blackbird Cobalt Mine, Lemhi County, Idaho, Salmon National Forest, Region 4.

SUB-HEAD: 1. 5. . . Vol. 1 - Site Inspection Report/Documents

1. 5. . . Vol. 1 - 1016274 DOC ID: 1016274
DATE: 8/27/1982 PAGES: 10
AUTHOR(S): ADDRESSSEE(S):
EPA Unknown

DESCRIPTION:

Potential Hazardous Waste Site, Site Inspection Report.

SUB-HEAD: 1. 11. . . Vol. 1 - Removal Activities

SUB-HEAD: 1. 11. 2. . Vol. 1 - Work Plans and Sampling and Analysis Plans

1. 11. 2. . Vol. 1 - 1094659 DOC ID: 1094659
DATE: 11/22/1994 PAGES: 4
AUTHOR(S): ADDRESSSEE(S):
Golder Associates, Inc. Noranda Mining, Inc.

DESCRIPTION:

Addendum no. 1 to Work Plan for Early Action Field Investigations.

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1. 11. 2. . Vol. 1 - 1057092 DOC ID: 1057092
DATE: 9/27/1995 PAGES: 36

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION: Sampling and Analysis Plan: Lower Bucktail Creek Debris Removal - Blackbird Mine Site.

1. 11. 2. . Vol. 1 - 1057084 DOC ID: 1057084
DATE: 10/5/1995 PAGES: 4

AUTHOR(S):
Anthony S. Burgess/Golder Associates,
Inc.
Mike Higgins/Golder Associates, Inc.

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION: Status of debris removal and proposal for additional investigation before additional removal activities.

1. 11. 2. . Vol. 1 - 1068977 DOC ID: 1068977
DATE: 4/30/1996 PAGES: 38

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Noranda Mining, Inc.

DESCRIPTION: Final Workplan for Diversion Ditch Effectiveness Evaluation for the Blackbird Mine Site.

1. 11. 2. . Vol. 1 - 1094661 DOC ID: 1094661
DATE: 9/10/1996 PAGES: 18

AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION: 6850 Adit Extension Work Plan (with Intermountain Mine Services Safety Program attached).

1. 11. 2. . Vol. 1 - 1094660 DOC ID: 1094660
DATE: 5/6/1997 PAGES: 2

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION: Addendum no. 2 to the Final Work Plan for the 1996 Early Action Field Investigations for Meadow Creek and Blackbird Creek Drainages.

1. 11. 2. . Vol. 1 - 1057095 DOC ID: 1057095
DATE: 6/5/1997 PAGES: 8

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

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DESCRIPTION:

Appendix F to the Focused Remedial Investigation and Feasibility Study Workplan Addendum (Golder 1996): Work Plan for Early Action Effectiveness Monitoring Near the 7500, 7600 and 7750 Waste Dumps.

1. 11. 2. . Vol. 1 - DOC ID: 1138992
DATE: 10/23/1998 PAGES: 5
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION:

Sampling and Analysis Plan for Post Removal Sampling, Panther Creek Inn Area, Lemhi County, Idaho.

1. 11. 2. . Vol. 1 - 1071475 DOC ID: 1071475
DATE: 11/25/1998 PAGES: 5
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION:

Sampling and Analysis Plan for Post-Tailings Removal Sampling - Blackbird Creek.

1. 11. 2. . Vol. 1 - 1071476 DOC ID: 1071476
DATE: 11/25/1998 PAGES: 6
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION:

Sampling and Analysis Plan for Post-Removal Sampling - Panther Creek Inn Area.

SUB-HEAD: 1. 11. 2. 1. Vol. 1 - Comments

1. 11. 2. 1. Vol. 1 - DOC ID: 1138240
DATE: 8/2/1995 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Comments on the Supplemental Borrow Source Investigation.

1. 11. 2. 1. Vol. 1 - DOC ID: 1138237
DATE: 9/8/1995 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Comments on the Sampling and Analysis Plan, Lower Bucktail Creek Debris Removal, Blackbird Mine Site, Cobalt, Idaho, Golder Associates, dated 9/1/95.

1. 11. 2. 1. Vol. 1 - DOC ID: 1138242
DATE: 9/25/1995 PAGES: 1
AUTHOR(S): ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Elton R. Modroo/Idaho Division of
Environmental Quality

Fran Allans/EPA

DESCRIPTION:

Comments on the Supplemental Borrow Investigation Waste Rock Cover
Material--Additional Soils Data, dated 9/20/95.

1. 11. 2. 1. Vol. 1 - DOC ID: 1138238

DATE: 10/2/1995 PAGES: 1

AUTHOR(S):

Bruce Marshall/Rocky Mountain
Consultants, Inc.

ADDRESSEE(S):

Robert H. Martin/U. S. Forest
Service

DESCRIPTION:

Comments on the Sampling and Analysis Plan, Lower Bucktail Creek Debris Removal,
Blackbird Mine Site, Cobalt, ID, Golder Assoc., dated 9/27/95.

1. 11. 2. 1. Vol. 1 - 1098915 DOC ID: 1098915

DATE: 11/3/1995 PAGES: 5

AUTHOR(S):

Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):

Fran Allans/EPA

Joseph A. Scheuering/Noranda
Mining, Inc.

Keith Shell/Howmet Corporation,
Inc.

DESCRIPTION:

Comments regarding the Proposed Surface and Alluvium Underflow Study and
Effectiveness Evaluation of the Proposed Bucktail 7117 Cutoff Wall.

1. 11. 2. 1. Vol. 1 - DOC ID: 1138749

DATE: 11/3/1995 PAGES: 4

AUTHOR(S):

Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):

Fran Allans/EPA

Joseph A. Scheuering/Noranda
Mining, Inc.

Keith Shell/Howmet Corporation,
Inc.

DESCRIPTION:

Comments on behalf of the Blackbird Mine trustees regarding the Proposed Surface and
Alluvium Underflow Study and Effectiveness Evaluation of the Proposed Bucktail 7117
Cutoff Wall, Bucktail Drainage, Blackbird Mine, Lemhi Co., Idaho.

1. 11. 2. 1. Vol. 1 - 1098946 DOC ID: 1098946

DATE: 12/14/1995 PAGES: 2

AUTHOR(S):

Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Letter transmitting Rocky Mountain Consultants' comments on Golder Associates' Draft
Technical Memorandum, Upper Bucktail Creek Hydrology Data Summary.

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1. 11. 2. 1. Vol. 1 - DOC ID: 1138988
DATE: 12/14/1995 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with Rocky Mountain Consultants' comments on Golder Associates' Draft Technical Memorandum, Upper Bucktail Creek Hydrology Data Summary, with 12/14/95 fax transmittal from Martin to Allans and Lincoln.

1. 11. 2. 1. Vol. 1 - DOC ID: 1138243
DATE: 12/18/1995 PAGES: 2
AUTHOR(S): Sonny Hornbaker/Idaho Dept. of Water Resources
ADDRESSEE(S): Chris Mebane/Idaho Division of Environmental Quality
Elton R. Modroo/Idaho Division of Environmental Quality

DESCRIPTION: Comments on Revised Draft Work Plan for Diversion Ditch Effectiveness Study, Blackbird Mine Site.

1. 11. 2. 1. Vol. 1 - DOC ID: 1138244
DATE: 12/21/1995 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the Work Plan for Diversion Ditch Effectiveness Study, Blackbird Mine Site, dated 12/7/95.

1. 11. 2. 1. Vol. 1 - 1098964 DOC ID: 1098964
DATE: 7/1/1996 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Memorandum transmitting comments on the Draft Work Plan for 1996 Early Action Field Investigations Bucktail Creek Drainage.

1. 11. 2. 1. Vol. 1 - 1098965 DOC ID: 1098965
DATE: 7/1/1996 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with Forest Service/RMC comments on the Draft Technical Memorandum, Hawkeye Gulch Groundwater Interceptor and Sediment Trap, Preliminary Design Report, Phase IIB, Early Action Facilities, 6/21/96.

1. 11. 2. 1. Vol. 1 - DOC ID: 1138750
DATE: 7/30/1996 PAGES: 1
AUTHOR(S):
ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Elton R. Modroo/Idaho Division of
Environmental Quality

Fran Allans/EPA

DESCRIPTION: Comments about the Blackbird Project - 6850 Adit Extension Workplan.

1. 11. 2. 1. Vol. 1 - DOC ID: 1138751
DATE: 9/18/1996 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on the Blackbird Mine 6850 Adit Extension Workplan, dated 9/16/96.

1. 11. 2. 1. Vol. 1 - DOC ID: 1138752
DATE: 6/6/1998 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on the Sampling and Analysis Plan Overbank Deposits Panther Creek Inn Area, dated 6/1/98.

SUB-HEAD: 1. 11. 3. . Vol. 1 - Correspondence

SUB-HEAD: 1. 11. 3. 1. Vol. 1 - Correspondence

1. 11. 3. 1. Vol. 1 - DOC ID: 1138920
DATE: 11/7/1994 PAGES: 3

AUTHOR(S):
Kathleen Trever/Idaho Office of Attorney General

ADDRESSEE(S):
Richard G. McAllister/EPA

DESCRIPTION: Letter regarding the Administrative Order on Consent, Idaho v. The M. A. Hanna Company, et al., Consolidated Case No. 83-4179 (D. Idaho)

1. 11. 3. 1. Vol. 1 - DOC ID: 1138921
DATE: 2/17/1995 PAGES: 3

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on Golder Associates' Analysis of Alternatives, dated 1/29/95.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138701
DATE: 4/28/1995 PAGES: 3

AUTHOR(S):
Anthony S. Burgess/Golder Associates, Inc.

ADDRESSEE(S):
Fran Allans/EPA

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Doug Dunster/Golder Associates, Inc.

Fran Allans/EPA

DESCRIPTION:

Letter in response to 4/19/95 memorandum from J. Franklin of CH2M Hill regarding surface water sampling at Blackbird.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138702

DATE: 5/9/1995 PAGES: 3

AUTHOR(S):

Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):

Gary Kuper/Panther Creek Inn

DESCRIPTION:

Request for cooperation in allowing access across the Panther Creek Inn property to conduct sampling and gaging station installations at the Blackbird Site, with summary table of some results from previous investigations.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138922

DATE: 6/12/1995 PAGES: 8

AUTHOR(S):

Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

John G. Lincoln/CH2M Hill, Inc.

DESCRIPTION:

Fax transmitting comments on the 90 Percent Design.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138923

DATE: 7/5/1995 PAGES: 1

AUTHOR(S):

Chris Mebane/Idaho Division of
Environmental Quality

ADDRESSEE(S):

Joseph A. Scheuering/Blackbird Mine
Site Group

DESCRIPTION:

Letter approving contractor selection of Golder Associates Inc. and Fish Pro, Inc. to perform the work on the Biological Restoration and Compensation Plan (BRCP) under the Consent Decree, Consolidated Case No. 83-4179 R.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138925

DATE: 7/19/1995 PAGES: 2

AUTHOR(S):

NOAA

ADDRESSEE(S):

Fran Allans/EPA

U. S. Forest Service

DESCRIPTION:

Review of Response to EPA Comments from Review of Technical Memorandum, Meadow Creek and Blackbird Creek, Waste Rock Removal vs. Capping, dated 7/12/95.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138924

DATE: 7/27/1995 PAGES: 7

AUTHOR(S):

Suzanne Buntrock/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Comments, dated 7/18/95, on whether to have a cut-off wall and its location; 7/19/95 email from Martin regarding sending comments to Golder's response; Martins' comments, with fax transmittal dated 7/27/95.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138926
DATE: 7/27/1995 PAGES: 5
AUTHOR(S): Dale Bosworth/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Letter transmitting comments regarding the technical discussion on waste rock removal vs. capping of waste rock in-place at the Blackbird Mine Site.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138239
DATE: 7/31/1995 PAGES: 6
AUTHOR(S): James S. Johnston/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Letter regarding Applicable or Relevant and Appropriate Requirements (ARARs) and state standards for release of mine waters.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138927
DATE: 8/8/1995 PAGES: 18
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Letter transmitting the Passive Bioremediation of Acidic Mine Drainage (AMD) from the Blackbird Mine, produced by Noah, Stratton and Thompson of Lockheed Idaho Technologies Company (LITCO) for the Idaho Division of Environmental Quality, dated 8/95.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138928
DATE: 8/16/1995 PAGES: 1
AUTHOR(S): Dale Bosworth/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Conditional approval of the final plan for the Lower Bucktail Sediment Dam planned for construction near the confluence of Bucktail Creek and South Fork of Big Deer Creek in the Big Deer Creek Drainage.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138929
DATE: 8/23/1995 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter commenting on modifications and understandings required for approval of the final design of the Upper Sediment Dam in Bucktail Creek, with fax transmittal from Martin to Allans, Iadanza, Beaverson and Modroo, marginalia.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138930
DATE: 8/23/1995 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Comments on the Final Report, Supplemental-1 AOA Meadow Creek.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138703
DATE: 8/30/1995 PAGES: 4
AUTHOR(S): Doug Dunster/Golder Associates, Inc.
ADDRESSEE(S): Gary Kuper/Panther Creek Inn

DESCRIPTION:

Letter transmitting requested water quality sample results obtained from Panther Creek and Panther Creek Inn water supply, (dated 6/95), and its compliance to drinking water standards.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138931
DATE: 8/30/1995 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Letter transmitting Water Quality Reports for West Fork Bucktail Drainage, Samples Taken 7/12/95, less enclosures.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138932
DATE: 10/24/1995 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Peter J. Joy/Environcon, Inc.-Industrial Constructors Co.

DESCRIPTION:

Letter with observations from the 10/23/95 visit to Bucktail Creek, with fax transmittal from Martin to Allans, Scheuering, Lincoln, Buntrock, Beaverson and Modroo.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138933
DATE: 10/26/1995 PAGES: 14
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Letter transmitting 10/25/95 RMC memo from Deere, Hesemann and Marshall, to Salazar, Beaverson, Buntrock and Martin, with comments on Golder Associates' Draft Work Plan, Waste Rock Removal Effectiveness Investigation, 10/16/95, also figures and tables.

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1. 11. 3. 1. Vol. 1 - DOC ID: 1138934
DATE: 11/9/1995 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Trustees' understanding of the results of the Blackbird Mine Meeting of the technical representatives on 10/19/95.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138935
DATE: 11/21/1995 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter documenting: 11/16/95 visit to Blackbird Mine; conversation between Allans and Martin at the mine; and telephone conversation with Allans, Lincoln, Scheuering and Martin on 11/17/95.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138936
DATE: 11/22/1995 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with 11/22/95 RMC memo from Hesemann and Farmer, to Martin, Buntrock, Beaverson, and Salazar, about the Review of Golder's Draft Technical Memorandum, Groundwater Conditions and Capillary Rise Beneath the Blackbird and Meadow Creek Cap, 11/14/95.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138937
DATE: 11/28/1995 PAGES: 5
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments regarding response to 11/21/95 letter concerning the water diversion ditch BT-NC-West, with fax transmittal dated 11/29/95 from Martin to Allans and Lincoln.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138938
DATE: 12/6/1995 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with report of Blackbird Mine site visit on 11/29/95, to inspect the erosion control structures in the Bucktail Creek road and to confirm that the new ditch is as agreed, with fax transmittal dated 12/6/95 from Martin to Allans and Lincoln.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152232
DATE: 1/12/1996 PAGES: 2
AUTHOR(S):
ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Robert H. Martin/U. S. Forest Service

Fran Allans/EPA

DESCRIPTION:

Letter transmitting comments on the Annotated Outline for the Supplemental-2 Analysis of Alternatives for Waste Rock Removal in the Bucktail Creek Basin.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152233

DATE: 1/16/1996 PAGES: 5

AUTHOR(S):

Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):

Mark T. Masarik/EPA

DESCRIPTION:

Letter regarding comments on "Draft Report, 1995 Early Action Field Investigations, Blackbird Mine Site, Cobalt, Idaho, 12/21/95".

1. 11. 3. 1. Vol. 1 - DOC ID: 1152234

DATE: 1/18/1996 PAGES: 2

AUTHOR(S):

Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Letter regarding comments on modifying the proposed Meadow Creek Cap to include a concrete lined channel for Meadow Creek/Blackbird Creek.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152235

DATE: 2/21/1996 PAGES: 3

AUTHOR(S):

Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Letter regarding Removal of Blackbird Creek Tailings Deposits--60% Submittal, dated 2/9/96.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152236

DATE: 3/14/1996 PAGES: 1

AUTHOR(S):

Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Letter regarding follow-up documentation of the Trustee-EPA conference call the afternoon of 03/11/96.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152237

DATE: 4/23/1996 PAGES: 1

AUTHOR(S):

Colby Hayden/Rocky Mountain Consultants,
Inc.

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Colby Hayden/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):

Christopher A. Beaverson/NOAA

Suzanne Buntrock/U. S. Forest
Service

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Suzanne Buntrock/U. S. Forest
Service

Colby Hayden/Rocky Mountain Consultants,
Inc.

Nick Iadanza/National Marine
Fisheries Service

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Colby Hayden/Rocky Mountain Consultants,
Inc.

Robert H. Martin/U. S. Forest
Service

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Colby Hayden/Rocky Mountain Consultants,
Inc.

Elton R. Modroo/Idaho Division of
Environmental Quality

Tom Hesemann/Rocky Mountain Consultants,
Inc.

DESCRIPTION:

Memorandum regarding Armor Rock for Meadow Creek, Blackbird Cap; Work Assignment No. 11 (with three additional addressees).

1. 11. 3. 1. Vol. 1 - DOC ID: 1152238
DATE: 5/6/1996 PAGES: 2

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding USDA Forest Service support of EPA letter to the Blackbird Mine Site Group dated 04/19/96.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152239
DATE: 5/9/1996 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.
David E. Jackson/Dames & Moore

DESCRIPTION:

Letter regarding Interim Construction Report, Early Removal Action--Phase I--1995 Construction, dated 03/29/96.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152240
DATE: 7/10/1996 PAGES: 2

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):
Christopher A. Beaverson/NOAA

Suzanne Buntrock/U. S. Forest
Service
Nick Iadanza/National Marine
Fisheries Service
Robert H. Martin/U. S. Forest
Service
Elton R. Modroo/Idaho Division of
Environmental Quality

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Memorandum regarding review of Second Draft Final SUP 2 AOA, Blackbird Mine dated 06/17/96, Work Assignment 11 (with two additional addressees), marginalia.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152241
DATE: 7/31/1996 PAGES: 1

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter containing comments of Rocky Mountain Consultants and USDA Forest Service regarding the 6850 Adit Extension Work Plan, Letter of 07/23/96.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152242
DATE: 8/2/1996 PAGES: 2

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding Natural Resource Trustees concerns about proper disposition of the 7600 waste rock dump.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152243
DATE: 8/12/1996 PAGES: 1

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants, Inc.
Bruce Marshall/Rocky Mountain Consultants, Inc.
Tom Hesemann/Rocky Mountain Consultants, Inc.
Bruce Marshall/Rocky Mountain Consultants, Inc.
Tom Hesemann/Rocky Mountain Consultants, Inc.
Bruce Marshall/Rocky Mountain Consultants, Inc.
Tom Hesemann/Rocky Mountain Consultants, Inc.
Bruce Marshall/Rocky Mountain Consultants, Inc.
Tom Hesemann/Rocky Mountain Consultants, Inc.
Bruce Marshall/Rocky Mountain Consultants, Inc.

ADDRESSEE(S):
Christopher A. Beaverson/NOAA

Suzanne Buntrock/U. S. Forest Service

Nick Iadanza/National Marine Fisheries Service

Robert H. Martin/U. S. Forest Service

Elton R. Modroo/Idaho Division of Environmental Quality

DESCRIPTION:

Memorandum regarding review of minutes from 07/23/96 and 07/24/96 RI/FS Work Group Meeting in Seattle, WA; Work Assignment No 11, (with two additional addressees).

1. 11. 3. 1. Vol. 1 - DOC ID: 1152244
DATE: 8/12/1996 PAGES: 4

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Christopher A. Beaverson/NOAA

Suzanne Buntrock/U. S. Forest
Service

Nick Iadanza/National Marine
Fisheries Service

Robert H. Martin/U. S. Forest
Service

Elton R. Modroo/Idaho Division of
Environmental Quality

DESCRIPTION:

Memorandum regarding review of Draft Addendum 1 to Final Work Plan for 1996 Early Action Field Investigations, Meadow Creek and Blackbird Creek Drainages, dated 08/05/96; Work Assignment No. 11, (with two additional addressees).

1. 11. 3. 1. Vol. 1 - DOC ID: 1152245
DATE: 9/24/1996 PAGES: 1

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding comments on the Phase IIB Early Action Facilities Work Plan.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152246
DATE: 9/27/1996 PAGES: 2

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding federal trustee comments on the Blackbird Mine 6850 Adit Extension Work Plan received from Dames and Moore, dated 09/16/96.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152247
DATE: 11/19/1996 PAGES: 2

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Federal Trustees and RMC review of draft inserts 3.5 and 4.4.1 "Methods of Extrapolating Leach Testing Results to Predict Site Behavior" to RI/FS Work Plan Addendum, submitted by Golder Associates on 11/5/96.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138939
DATE: 2/5/1997 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

State of Idaho comments regarding the 90% Draft Submittal Final Design Report, Phase IIIA Early Action Facilities, Bucktail Creek Water Storage and Conveyance Facilities, 1/29/97.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

1. 11. 3. 1. Vol. 1 - DOC ID: 1138940
DATE: 4/24/1997 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: The Forest Service and RMC comments on the 4/11/97 memorandum from Lincoln regarding the Work Plan for 6850 Level Rehabilitation.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138941
DATE: 7/11/1997 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: RMC comments on the grout cap and slush grout submittals prepared by Envirocon for the 7000 Dam grout cap and core trenches.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138942
DATE: 8/28/1997 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: State of Idaho comments on the Draft Blackbird Mine Rehabilitation and O&M Plan, 8/11/97.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138943
DATE: 8/29/1997 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: RMC comments on the Proposed Blackbird Mine Rehabilitation and O&M Plan, prepared by the BMSG, dated 8/11/97.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138944
DATE: 8/29/1997 PAGES: 13
AUTHOR(S): Don W. Deere/Rocky Mountain Consultants, Inc.
Tom Hesemann/Rocky Mountain Consultants, Inc.
Roy Spitzer/Rocky Mountain Consultants, Inc.
Don W. Deere/Rocky Mountain Consultants, Inc.
Tom Hesemann/Rocky Mountain Consultants, Inc.
Roy Spitzer/Rocky Mountain Consultants, Inc.
Don W. Deere/Rocky Mountain Consultants, Inc.
ADDRESSEE(S): Christopher A. Beaverson/NOAA
Suzanne Buntrock/U. S. Forest Service
Nick Iadanza/National Marine Fisheries Service

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Nick Iadanza/National Marine
Fisheries Service

Roy Spitzer/Rocky Mountain Consultants,
Inc.

Don W. Deere/Rocky Mountain Consultants,
Inc.

Robert H. Martin/U. S. Forest
Service

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Roy Spitzer/Rocky Mountain Consultants,
Inc.

Don W. Deere/Rocky Mountain Consultants,
Inc.

Elton R. Modroo/Idaho Division of
Environmental Quality

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Roy Spitzer/Rocky Mountain Consultants,
Inc.

DESCRIPTION:

Memorandum documenting the Underground Facility Site Visit at Blackbird Mine, performed on 7/29/97.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138945
DATE: 11/12/1997 PAGES: 2

AUTHOR(S):

Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Comments from RMC's review of the Blackbird 7100 Dam spillway cutoff collar.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138946
DATE: 12/8/1997 PAGES: 1

AUTHOR(S):

Tammie McRae/ATSDR

ADDRESSEE(S):

Unknown

DESCRIPTION:

Public Health Implication Statement for the Panther Creek Inn and Campsite Area.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138947
DATE: 12/23/1997 PAGES: 2

AUTHOR(S):

Tammie McRae/ATSDR

ADDRESSEE(S):

Unknown

DESCRIPTION:

Public Health Implication Statement for the Panther Creek Inn - Cobalt, Idaho; with Attachment 1, Environmental Sampling Results.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138948
DATE: 12/24/1997 PAGES: 3

AUTHOR(S):

Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: RMC comments on the proposed ECN No. 36, received 11/21/97 at 4:00 pm.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138949
DATE: 2/9/1998 PAGES: 4
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: RMC's review of BMSG Response to Comments in the 12/23/97 Letter from the EPA Regarding ECN-036. 7100 Dam.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138950
DATE: 3/11/1998 PAGES: 5
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: RMC's review comments of the BMSG's Response to EPA Comments on ECN-036A for the 7100 Dam.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138951
DATE: 3/13/1998 PAGES: 19
AUTHOR(S): Marc Stifelman/EPA
ADDRESSEE(S): Fran Allans/EPA

Julie Reynolds/CH2M Hill, Inc.

DESCRIPTION: Memorandum regarding the Panther Creek Inn - Baseline Risk Assessment, Comments and Attachments.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138952
DATE: 3/19/1998 PAGES: 2
AUTHOR(S): Marc Stifelman/EPA
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Memorandum regarding Panther Creek Inn - Baseline Risk Assessment, Comments Revised 3/19/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138953
DATE: 3/26/1998 PAGES: 2
AUTHOR(S): Marc Stifelman/EPA
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Memorandum regarding Panther Creek Inn - Baseline Risk Assessment, Comments Revised 3/19/98.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

1. 11. 3. 1. Vol. 1 - DOC ID: 1138954
DATE: 3/26/1998 PAGES: 17
AUTHOR(S): Theodore L. Garrett/Covington & Burling
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter transmitting faxed Blackbird Mine Site Group comments on the CH2M Hill Draft Risk Assessment for the Panther Creek Inn and Surrounding Area, 2/12/98. Comments prepared by Krieger of Dames & Moore.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138955
DATE: 4/6/1998 PAGES: 6
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on Golder's Draft Analysis of Alternatives for the Panther Creek Inn Area, 3/20/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138956
DATE: 4/10/1998 PAGES: 2
AUTHOR(S): Marc Stifelman/EPA
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Memorandum regarding Panther Creek Inn - Baseline Risk Assessment RME, Gary Krieger's comments and Julie Reynolds' response.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138957
DATE: 4/27/1998 PAGES: 2
AUTHOR(S): Marc Stifelman/EPA
ADDRESSEE(S): Fran Allans/EPA

Julie Reynolds/CH2M Hill, Inc.

DESCRIPTION: Memorandum regarding Panther Creek Inn - Baseline Risk Assessment, RME Exposure Parameters for Preliminary Cleanup Goals (PRG).

1. 11. 3. 1. Vol. 1 - DOC ID: 1138958
DATE: 5/26/1998 PAGES: 1
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: RMC's review comments of the 7100 Dam O&M Plan, Blackbird Mine Remediation, 5/1/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138959
DATE: 6/9/1998 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Comments on the Sampling and Analysis Plan, Overbank Deposits, Panther Creek Inn Area, 6/1/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138960
DATE: 7/30/1998 PAGES: 1

AUTHOR(S): Marcia L. Bailey/EPA ADDRESSEE(S): Fran Allans/EPA

Dana Davoli/EPA

Roseanne M. Lorenzana/EPA

Julius U. Nwosu/EPA

Marc Stifelman/EPA

DESCRIPTION:

Memorandum regarding Exposure Parameters for Panther Creek Inn Draft Preliminary Cleanup Goals, dated 7/17/98, and Baseline Risk Assessment, dated 6/26/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138961
DATE: 8/17/1998 PAGES: 1

AUTHOR(S): Robert H. Martin/U. S. Forest Service ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Final Report Analysis of Early Action Alternatives for the Panther Creek Inn Area, dated 8/7/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138962
DATE: 8/18/1998 PAGES: 3

AUTHOR(S): Marc Stifelman/EPA ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Memorandum regarding consideration of weather in adjusting Exposure Parameters for Panther Creek Inn Draft Preliminary Cleanup Goals, dated 8/14/98 and Baseline Risk Assessment, dated 6/26/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138963
DATE: 8/26/1998 PAGES: 2

AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Comments on the Phase IV-A Blackbird Creek Overbank Material Removal Design Report, Blackbird Mine Site Remediation, dated 8/12/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138964
DATE: 9/4/1998 PAGES: 3

AUTHOR(S): ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Robert H. Martin/U. S. Forest Service

Fran Allans/EPA

DESCRIPTION:

Review of Phase IV-A Blackbird Creek Overbank Material Removal Design Report, 90% Draft Submittal, Blackbird Mine Site, dated 8/12/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138965

DATE: 9/4/1998 PAGES: 10

AUTHOR(S):
Marc Stifelman/EPA

ADDRESSEE(S):
Fran Allans/EPA

Julie Reynolds/CH2M Hill, Inc.

DESCRIPTION:

Email regarding the TERA Tera Arsenic Peer Review Report.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138966

DATE: 9/16/1998 PAGES: 5

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

RMC's comments on the 9/4/97 site visit to review the 7000 dam foundation and the 7100 dam construction.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138967

DATE: 10/1/1998 PAGES: 2

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Review of the proposed Blackbird Revegetation Plan submitted by the Blackbird Mine Site Group.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138968

DATE: 11/10/1998 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on reports prepared for the BMSG by Golder Associates Inc.: Sampling and Analysis Plan for Post Removal Sampling, Panther Creek Inn Area, 10/23/98; and Sampling and Analysis Plan for Post Tailings Removal Sampling, Blackbird Creek, 10/23/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138969

DATE: 12/14/1998 PAGES: 13

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):
Christopher A. Beaverson/NOAA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Roy Spitzer/Rocky Mountain Consultants,
Inc.

Christopher A. Beaverson/NOAA

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Suzanne Buntrock/U. S. Forest
Service

Roy Spitzer/Rocky Mountain Consultants,
Inc.

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Nick Iadanza/National Marine
Fisheries Service

Roy Spitzer/Rocky Mountain Consultants,
Inc.

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert H. Martin/U. S. Forest
Service

Roy Spitzer/Rocky Mountain Consultants,
Inc.

DESCRIPTION:

Memorandum to document the 11/4/98 Underground Site Reconnaissance, Subsurface Workings, 6930-6850 Adit, Blackbird Mine.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152248
DATE: 1/20/1999 PAGES: 1

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Review of the Mine Rehabilitation and Operation and Maintenance Plan dated 11/25/98.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152249
DATE: 2/12/1999 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on Surface Water Control Structures Operations and Maintenance Plan Blackbird Mine Early Removal Actions, dated 01/19/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152250
DATE: 2/16/1999 PAGES: 2

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Review of Surface Water Control Structures Operations and Maintenance Plan, Blackbird Mine Early Removal Actions, dated 1/19/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152251
DATE: 3/11/1999 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Comments regarding Letter Report of post-removal sampling in the Panther Creek Inn area and along Blackbird Creek, prepared by the BMSG, 3/01/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152252
DATE: 3/18/1999 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with comments on the Cover and Surface Water Conveyance Facilities Operations and Maintenance Plan, Blackbird Mine Early Removal Actions, dated 3/02/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152253
DATE: 3/22/1999 PAGES: 5

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with review of the Cover and Surface Water Conveyance Facilities Operation and Maintenance Plan, Blackbird Mine Early Removal Actions, with fax transmittal sheet.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152254
DATE: 3/24/1999 PAGES: 8

AUTHOR(S):
David E. Jackson/David E. Jackson and
Associates, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding issues raised at 3/03/99 meeting concerning the arsenic preliminary remediation goals (PRGs) for Panther Creek.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152255
DATE: 5/12/1999 PAGES: 1

AUTHOR(S):
Roseanne M. Lorenzana/EPA

ADDRESSEE(S):
Joyce Tsuji/Exponent

DESCRIPTION:

Email regarding arsenic RfD and risk characterization for children's exposure.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152256
DATE: 5/21/1999 PAGES: 3

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding Draft 7000 Dam Operation and Maintenance (O&M) Plan dated 4/27/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152257
DATE: 6/1/1999 PAGES: 1

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Comments on the 7100 Dam Drawdown Test prepared by Golder Associates, dated 5/12/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1153319
DATE: 6/1/1999 PAGES: 3

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the Blackbird Mine Site, 7100 Dam Drawdown Test Report, prepared for the BMSG by Golder Associates, Inc., 5/12/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152258
DATE: 6/3/1999 PAGES: 1

AUTHOR(S):
Roseanne M. Lorenzana/EPA

ADDRESSEE(S):
Joyce Tsuji/Exponent

DESCRIPTION:

Email regarding arsenic RfD and children.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152259
DATE: 6/18/1999 PAGES: 17

AUTHOR(S):
David E. Jackson/Blackbird Mine Site
Group
Joseph A. Scheuering/Blackbird Mine Site
Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter submitting BMSG comments, in the form of a memorandum from Tsuji and Schoof of Exponent to D. Jackson, regarding CH2M Hill's Draft Human Health Risk Assessment for the Panther Creek Overbank Deposit Areas, dated 6/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152260
DATE: 7/1/1999 PAGES: 2

AUTHOR(S):
Marc Stifelman/EPA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum regarding Approval of the Subchronic Arsenic RfD on the Panther Creek Inn Site; Disapproval of the Subchronic Arsenic RfD on the Panther Creek Overbank Deposit Areas.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152261
DATE: 7/28/1999 PAGES: 2

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter with comments on the Analysis of Early Action Alternatives for the Panther Creek Overbank Deposits for Removal Action Draft Report #4.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152262
DATE: 8/16/1999 PAGES: 2
AUTHOR(S): Joyce Tsuji/Exponent ADDRESSEE(S):
Roseanne M. Lorenzana/EPA

DESCRIPTION:

Memorandum requesting EPA review of recommendations on the appropriate uses of various toxicity criteria for the risk assessment of the Panther Creek Overbank Deposit Areas of the Blackbird Mine Site, prepared by CH2M Hill for EPA.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152263
DATE: 8/19/1999 PAGES: 7
AUTHOR(S): Roseanne M. Lorenzana/EPA ADDRESSEE(S):
Joyce Tsuji/Exponent

DESCRIPTION:

Memorandum regarding Panther Creek Overbank Deposit Area, Blackbird Mine Site - use of less-than-lifetime toxicity value for arsenic.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152264
DATE: 10/8/1999 PAGES: 1
AUTHOR(S): Gary L. Jackson/U. S. Forest Service ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting photos of violations on National Forest System Lands in the vicinity of the lower sediment dam in Bucktail Creek (less enclosures).

1. 11. 3. 1. Vol. 1 - DOC ID: 1152265
DATE: 10/12/1999 PAGES: 4
AUTHOR(S): Gary L. Jackson/U. S. Forest Service ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding Golder Associates' Panther Creek Overbank Removal Actions Final Report, dated 10/6/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152270
DATE: 11/3/1999 PAGES: 1
AUTHOR(S): Gary L. Jackson/U. S. Forest Service ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding Lower Bucktail Creek Sediment Dam Emergency Spillway.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152266
DATE: 11/8/1999 PAGES: 1
AUTHOR(S): ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Gary L. Jackson/U. S. Forest Service

Fran Allans/EPA

DESCRIPTION:

Letter regarding Lower Bucktail Creek Sediment Dam Capacity.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152267
DATE: 12/1/1999 PAGES: 12

AUTHOR(S):

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Roy Spitzer/Rocky Mountain Consultants,
Inc.

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Roy Spitzer/Rocky Mountain Consultants,
Inc.

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Roy Spitzer/Rocky Mountain Consultants,
Inc.

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Roy Spitzer/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):

Suzanne Buntrock/U. S. Forest
Service

Helen Hilman/NOAA

Nick Iadanza/National Marine
Fisheries Service

Gary L. Jackson/U. S. Forest
Service

DESCRIPTION:

Memorandum documenting 10/26/99 Blackbird 1999 Underground Site Reconnaissance, 6930-6850 Adit, Blackbird Mine.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152268
DATE: 12/8/1999 PAGES: 3

AUTHOR(S):

Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Memorandum documenting review of the Report of the 7100 Dam Drawdown Test Results, prepared by Golder Associates, dated 10/22/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1152269
DATE: 12/10/1999 PAGES: 12

AUTHOR(S):

Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Letter regarding 10/26/99 site reconnaissance of the 6920-6850 Adit mine workings of the Blackbird Mine.

1. 11. 3. 1. Vol. 1 - DOC ID: 1153321
DATE: 12/21/1999 PAGES: 3

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

David E. Jackson/David E. Jackson
and Associates, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the Draft 7100 Dam Drawdown Test Results Report, prepared for the BMSG by Golder Associates, Inc., 10/22/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138970
DATE: 2/2/2000 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the Final Construction Report, Early Removal Action - Phases I through IV, 1995 through 1998 Construction Seasons, prepared for BMSG by Golder Associates, Inc., 5/10/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1153322
DATE: 2/2/2000 PAGES: 3

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Response to EPA comments, dated 12/21/99, regarding the 7100 Drawdown Test Results, dated 10/22/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138971
DATE: 3/3/2000 PAGES: 5

AUTHOR(S):
Joseph A. Scheuering/Blackbird Mine Site
Group
David E. Jackson/Blackbird Mine Site
Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Response to 2/2/00 EPA Comments on the Final Construction Report, Early Removal Action - Phases I through IV, 1995 through 1998 Construction Seasons, prepared for BMSG by Golder Associates, Inc., 5/10/99.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138972
DATE: 3/24/2000 PAGES: 2

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Technical Memorandum, 1999 Panther Creek Overbank Removal, Blackbird Mine, dated 3/1/00.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138973
DATE: 3/28/2000 PAGES: 3

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Elton R. Modroo/Idaho Division of
Environmental Quality

Fran Allans/EPA

DESCRIPTION: Comments on the 1999 Panther Creek Overbank Removal, Blackbird Mine, dated 3/1/00.

1. 11. 3. 1. Vol. 1 - DOC ID: 1153351
DATE: 4/10/2000 PAGES: 6

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION: Letter transmitting comments on the Draft Technical Memorandum, 1999 Panther Creek Overbank Removal, prepared for the BMSG by Golder Associates, Inc., 3/1/00.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138974
DATE: 5/18/2000 PAGES: 2

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on the Draft Report of Roads Operation and Maintenance Plan, Cobalt, Idaho.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138975
DATE: 6/13/2000 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on Draft #1 for EPA Review Technical Memorandum Cobalt Townsite Overbank Removal Actions and Preliminary Design Information, dated 6/1/00.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138976
DATE: 6/14/2000 PAGES: 5

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on Draft #1 for EPA Review Technical Memorandum Cobalt Townsite Overbank Removal Actions and Preliminary Design Information, Blackbird Mine Site Early Actions, dated 6/1/00.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138977
DATE: 6/28/2000 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on Appendices B & C and Cobalt Overbank Removal Actions Revised Cost Estimates, dated 6/23/00.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

1. 11. 3. 1. Vol. 1 - DOC ID: 1138978
DATE: 7/5/2000 PAGES: 1
AUTHOR(S): Gary L. Jackson/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on Appendix B; Appendix C; and Cobalt Townsite Overbank Removal Actions Revised Cost Estimates.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138979
DATE: 4/30/2001 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on Technical Memorandum 2000 Panther Creek Overbank Removal, dated 3/27/01.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138980
DATE: 6/26/2001 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on Phase 5B Panther Creek Overbank Removal Actions, Blackbird Mine Site Early Actions, dated 6/15/01.

1. 11. 3. 1. Vol. 1 - DOC ID: 1138982
DATE: 3/18/2002 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Dept. of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the 2001 Panther Creek Overbank Removal, Blackbird Mine, Idaho, 2/27/02.

SUB-HEAD: 1. 11. 4. . Vol. 1 - Investigative Reports & Technical Memoranda

1. 11. 4. . Vol. 1 - DOC ID: 1138216
DATE: 6/1/2000 PAGES: 7
AUTHOR(S): CH2M Hill, Inc.
ADDRESSEE(S): EPA

DESCRIPTION: Amendment No. 1 to the Biological Assessment of the Effects of the Proposed Early Removal Action Activities for the Blackbird Mine.

1. 11. 4. . Vol. 1 - DOC ID: 1138217
DATE: 10/13/2000 PAGES: 73
AUTHOR(S): Golder Associates, Inc.
ADDRESSEE(S): Blackbird Mine Site Group

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Technical Memorandum for the 1999 Panther Creek Overbank Removal, Blackbird Mine, Idaho.

1. 11. 4. . Vol. 1 - DOC ID: 1138218
DATE: 9/1/2001 PAGES: 17
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Amendment No. 2 to the Biological Assessment of the Effects of the Ongoing Early Removal Action Activities for the Blackbird Mine.

SUB-HEAD: 1. 11. 4. 1. Vol. 1 - Comments

1. 11. 4. 1. Vol. 1 - DOC ID: 1138241
DATE: 8/24/1995 PAGES: 5
AUTHOR(S): Bruce Marshall/Rocky Mountain Consultants, Inc. ADDRESSEE(S): Suzanne Buntrock/U. S. Forest Service
Tom Hesemann/Rocky Mountain Consultants, Inc.
Bruce Marshall/Rocky Mountain Consultants, Inc. Robert H. Martin/U. S. Forest Service
Tom Hesemann/Rocky Mountain Consultants, Inc.
Bruce Marshall/Rocky Mountain Consultants, Inc. Sandra Salazar/EVS Environment Consultants
Tom Hesemann/Rocky Mountain Consultants, Inc.

DESCRIPTION: Comments on the Draft Technical Memorandum, XRF Field Data and Preliminary Action Levels, Blackbird Mine Site by Golder Assoc., dated 8/18/95.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138882
DATE: 10/24/1995 PAGES: 3
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the Waste Rock Removal Effectiveness Investigation, Blackbird Mine Site, dated 10/16/95.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138883
DATE: 12/13/1995 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the Upper Bucktail Creek Hydrology Data Summary, dated 12/7/95.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

1. 11. 4. 1. Vol. 1 - DOC ID: 1138236
DATE: 4/30/1996 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the Draft Technical Memorandum, "Debris Flow Removal in Lower Bucktail Creek."

1. 11. 4. 1. Vol. 1 - 1098963 DOC ID: 1098963
DATE: 6/28/1996 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter transmitting comments on the Early Action Field Investigations Bucktail Creek Drainage.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138234
DATE: 9/6/1996 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the Preliminary Draft Report Diversion Ditch Effectiveness Evaluation, Blackbird Mine Site, dated 8/30/96.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138235
DATE: 9/11/1996 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the Preliminary Draft Report, Diversion Ditch Effectiveness Evaluation, Blackbird Mine Site, dated 8/3/96.

1. 11. 4. 1. Vol. 1 - 1098973 DOC ID: 1098973
DATE: 1/17/1997 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter transmitting comments on the 1996 Early Action Field Investigations, Blackbird Mine Site.

1. 11. 4. 1. Vol. 1 - 1098974 DOC ID: 1098974
DATE: 1/27/1997 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter transmitting comments on the 1996 Early Action Field Investigations, Blackbird Mine Site.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138245
DATE: 9/13/1999 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on Golder Associates' Ditch Effectiveness Analysis, dated 9/2/99.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138246
DATE: 10/10/1999 PAGES: 3

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on Golder Associates' Ditch Effectiveness Analysis, dated 9/2/99.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138247
DATE: 3/13/2000 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Revised Ditch Effectiveness Analysis, dated 2/11/00.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138248
DATE: 3/15/2000 PAGES: 4

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Revised Ditch Effectiveness Analysis, dated 2/11/00.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138249
DATE: 10/12/2000 PAGES: 3

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Spring 2000 Snow Melt Study, dated 9/14/00.

1. 11. 4. 1. Vol. 1 - DOC ID: 1138250
DATE: 1/26/2001 PAGES: 1

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
David Tomten/EPA

Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Review of Golder Response, dated 1/18/01, to EPA Comments regarding the Draft Spring 2000 Snow Melt Study, dated 9/14/00.

SUB-HEAD: 1. 11. 5. . Vol. 1 - Analysis of Alternatives Reports

SUB-HEAD: 1. 11. 5. 1. Vol. 1 - Comments

1. 11. 5. 1. Vol. 1 - 1098821 DOC ID: 1098821
DATE: 12/7/1994 PAGES: 2
AUTHOR(S): Lance E. Nielsen/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Letter transmitting comments on the Blackbird Mine Design Runoff Hydrology Tech Memo.

1. 11. 5. 1. Vol. 1 - 1098842 DOC ID: 1098842
DATE: 2/15/1995 PAGES: 2
AUTHOR(S): State of Idaho
ADDRESSEE(S): Unknown

DESCRIPTION:

Comments on the draft Early Action Analysis of Alternatives.

1. 11. 5. 1. Vol. 1 - 1098847 DOC ID: 1098847
DATE: 3/6/1995 PAGES: 7
AUTHOR(S): Dale Bosworth/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Memorandum transmitting comments on the Early Action Alternatives.

1. 11. 5. 1. Vol. 1 - 1098848 DOC ID: 1098848
DATE: 3/17/1995 PAGES: 2
AUTHOR(S): Dave Hollingshead/Idaho Dept. of Water Resources
ADDRESSEE(S): Fran Allans/EPA

Kathleen Trever/Idaho Office of Attorney General

DESCRIPTION:

Memorandum transmitting review and comments concerning Golder Associates final report - Analysis of Early Action Alternatives.

1. 11. 5. 1. Vol. 1 - DOC ID: 1138884
DATE: 6/26/1995 PAGES: 3
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Review of the Technical Memorandum Waste Rock Removal Verses Capping the Meadow Creek and Blackbird Creek Channels, Blackbird Mine Site Remediation, dated 6/20/95.

1. 11. 5. 1. Vol. 1 - DOC ID: 1138885
DATE: 8/17/1995 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

John G. Lincoln/CH2M Hill, Inc.

DESCRIPTION:

Memorandum with comments on the Final Report, Supplemental-1 Analysis of Alternatives Waste Rock Removal vs. Capping in the Meadow Creek and Blackbird Creek Channels, dated 8/9/95.

1. 11. 5. 1. Vol. 1 - DOC ID: 1138886
DATE: 1/11/1996 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Mark T. Masarik/EPA

DESCRIPTION:

Comments on the Annotated Outline of Supplemental-2 Analysis of Alternatives Waste Rock Removal Bucktail Creek Basin (SUP-2 AOA), dated 12/15/95.

1. 11. 5. 1. Vol. 1 - 1098923 DOC ID: 1098923
DATE: 3/8/1996 PAGES: 7

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum transmitting comments on Supplemental-2 Analysis of Alternatives Waste Rock Removal Bucktail Creek Basin.

1. 11. 5. 1. Vol. 1 - 1098924 DOC ID: 1098924
DATE: 3/11/1996 PAGES: 4

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum transmitting comments on Supplemental-2 Analysis of Alternatives Waste Rock Removal Bucktail Creek Basin.

1. 11. 5. 1. Vol. 1 - 1098932 DOC ID: 1098932
DATE: 5/9/1996 PAGES: 3

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting comments on Draft-Final Supplemental-2 Analysis of Alternatives Waste Rock Removal Bucktail Creek Basin Early Removal Actions.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

1. 11. 5. 1. Vol. 1 - 1098934 DOC ID: 1098934
DATE: 5/13/1996 PAGES: 4
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter transmitting comments to the Draft Final Supplemental-2 Analysis of Alternatives Waste Rock Removal Bucktail Creek Basin.

1. 11. 5. 1. Vol. 1 - 1098936 DOC ID: 1098936
DATE: 5/31/1996 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter transmitting comments on memorandum regarding Supplemental-2 Analysis of Alternatives meeting and 7100 Dam Sizing.

1. 11. 5. 1. Vol. 1 - 1098943 DOC ID: 1098943
DATE: 8/26/1996 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter transmitting comments on the Final Supplemental-2 Analysis of Alternatives, Waste Rock Removal Bucktail Creek Basin.

1. 11. 5. 1. Vol. 1 - DOC ID: 1138887
DATE: 3/2/1998 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the Draft Report Analysis of Early Action Alternatives for the Panther Creek Inn Area, dated 3/20/98.

1. 11. 5. 1. Vol. 1 - DOC ID: 1138919
DATE: 7/27/1999 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the Analysis of Early Action Alternatives for the Panther Creek Overbank Deposits for Removal Action, Cobalt, Idaho, dated 7/15/99.

1. 11. 5. 1. Vol. 1 - DOC ID: 1138419
DATE: 9/12/2001 PAGES: 22
AUTHOR(S): Doug Dunster/Golder Associates, Inc.
ADDRESSEE(S): Blackbird Mine Site Group

Arthur J. Fleming/Golder Associates, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Final Report, Addendum to the Analysis of Early Action Alternatives for the Panther Creek Overbank Deposits for Removal Action.

1. 11. 5. 1. Vol. 1 - DOC ID: 1138888
DATE: 10/10/2001 PAGES: 5

AUTHOR(S):
Elton R. Modroo/Idaho Dept. of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on Assembly and Screening of Alternative for the Blackbird Mine Site, dated 10/2/01.

SUB-HEAD: 1. 11. 6. . Vol. 1 - Design Reports

SUB-HEAD: 1. 11. 6. 1. Vol. 1 - Comments

1. 11. 6. 1. Vol. 1 - DOC ID: 1138989
DATE: 12/8/1995 PAGES: 9

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Phase IIA Waste Rock Capping in the Meadow Creek and Blackbird Creek Channels Design Report, submitted as a 60% Design Report, with fax transmittals from Martin to Allans and Lincoln, and to Beaverson, Iadanza, Modroo, Mebane and Buntrock

1. 11. 6. 1. Vol. 1 - 1094984 DOC ID: 1094984
DATE: 4/5/1996 PAGES: 9

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with comments on Golder's response to EPA comments, plus additional comments on Volumes I & II of the Phase IIA Waste Rock Capping in the Meadow Creek and Blackbird Creek Channels-90 Percent Design.

1. 11. 6. 1. Vol. 1 - 1094999 DOC ID: 1094999
DATE: 7/30/1996 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with comments on the 90 Percent Draft Final Design Report, Phase IIB Early Action Facilities.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

1. 11. 6. 1. Vol. 1 - 1094996 DOC ID: 1094996
DATE: 8/5/1996 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with comments regarding the Draft 90% Submittal Final Design Report Phase IIB Early Action Facilities Meadow Creek Water Storage and Conveyance Facilities, dated 7/23/96, (not attached).

1. 11. 6. 1. Vol. 1 - 1098911 DOC ID: 1098911
DATE: 9/3/1996 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with comments regarding the Second Draft Technical Memorandum, Hawkeye Gulch Sediment Trap, Preliminary Design Report, Phase IIC Early Action Facilities, dated 8/23/96.

1. 11. 6. 1. Vol. 1 - 1098912 DOC ID: 1098912
DATE: 9/3/1996 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with comments regarding the Second Draft Technical Memorandum, Hawkeye Gulch Sediment Trap, Preliminary Design Report, Phase IIC Early Action Facilities, dated 8/23/96.

1. 11. 6. 1. Vol. 1 - 1094998 DOC ID: 1094998
DATE: 9/6/1996 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter expressing concerns regarding the BMSG responses to EPA comments on the Final Design Report, Phase IIB Early Action Facilities (aka 7100 dam), dated 8/20/96.

1. 11. 6. 1. Vol. 1 - 1098779 DOC ID: 1098779
DATE: 9/20/1996 PAGES: 4
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with comments on the Final Design Report and other documents for the 7100 dam.

1. 11. 6. 1. Vol. 1 - 1098782 DOC ID: 1098782
DATE: 9/27/1996 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with comments and request for reference to the Cutoff Collar on Spillway, 7100 Dam.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

1. 11. 6. 1. Vol. 1 - 1098783 DOC ID: 1098783
DATE: 11/13/1996 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with comments on the Technical Memorandum 7000 Dam Alternative Analysis, Phase III-Early Action Facilities Bucktail Creek Water Storage and Conveyance Facilities.

1. 11. 6. 1. Vol. 1 - 1098785 DOC ID: 1098785
DATE: 11/20/1996 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with comments regarding the Technical Memorandum for the 7000 Dam Alternative Analysis, Phase III Early Action Facilities Bucktail Creek Water Storage and Conveyance Facilities, dated 11/6/96.

1. 11. 6. 1. Vol. 1 - 1098786 DOC ID: 1098786
DATE: 11/22/1996 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with comments regarding 7500 and 7600 Waste Rock Dumps used in Phase III 7000 Dam Construction.

1. 11. 6. 1. Vol. 1 - 1098794 DOC ID: 1098794
DATE: 2/14/1997 PAGES: 7
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with comments from RMC's review of the Blackbird 7000 Dam, 90% Draft Submittals.

1. 11. 6. 1. Vol. 1 - 1098798 DOC ID: 1098798
DATE: 3/28/1997 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter with State of Idaho's comments on Final Design Report, Phase IIIA, Early Action Facilities Bucktail Creek Water Storage and Conveyance Facilities, 3/21/97.

1. 11. 6. 1. Vol. 1 - 1098800 DOC ID: 1098800
DATE: 4/7/1997 PAGES: 3
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter with comments from RMC's review of the Blackbird 7000 Dam, Final Design Submittal.

1. 11. 6. 1. Vol. 1 - 1098809 DOC ID: 1098809
DATE: 5/8/1997 PAGES: 3

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with RMC's comments to the Engineering Change Notice, Phase IIIA Drawings, Specifications, Text and Calculations, dated 4/24/97.

SUB-HEAD: 1. 11. 7. . Vol. 1 - Construction Reports

1. 11. 7. . Vol. 1 - 1057108 DOC ID: 1057108
DATE: 5/31/1996 PAGES: 7

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION:

Response to Comments, dated 4/29/96 and Additional Comment, dated 5/9/96 on the Interim Construction Report Early Action Removal - Phase I - 1995 Construction, Blackbird Mine dated 4/9/96.

SUB-HEAD: 1. 11. 8. . Vol. 1 - Other Technical Reports

1. 11. 8. . Vol. 1 - DOC ID: 1138889
DATE: 7/20/1994 PAGES: 6

AUTHOR(S):
Steve Sedlacek/CH2M Hill, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum presenting Preliminary Remediation Goals (PRG's) for human health and ecological risks.

1. 11. 8. . Vol. 1 - DOC ID: 1138890
DATE: 11/29/1994 PAGES: 19

AUTHOR(S):
CH2M Hill, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION:

Blackbird Mine Human Health Risk Assessment, Preliminary Conceptual Site Model.

1. 11. 8. . Vol. 1 - DOC ID: 1138891
DATE: 3/29/1996 PAGES: 12

AUTHOR(S):
Blackbird Mine Site Group

ADDRESSEE(S):
EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Interim Construction Report, Early Removal Action - Phase I - 1995 Construction, under Administrative Order on Consent Docket No. 10-95-0083-Cercla, marginalia.

1. 11. 8. . Vol. 1 - DOC ID: 1138892
DATE: 2/19/1998 PAGES: 101
AUTHOR(S): Gerry M. Henningsen/EPA ADDRESSEE(S): Unknown
Christopher P. Weis/EPA

DESCRIPTION:

Memorandum of the Intended and Proper Scientific Uses of the EPA Report: Relative Bioavailability of Arsenic in Mining Wastes, 12/97, Casteel et al., with report.

1. 11. 8. . Vol. 1 - DOC ID: 1138893
DATE: 7/10/1998 PAGES: 23
AUTHOR(S): Doug Dunster/Golder Associates, Inc. ADDRESSEE(S): Robert M. Yohe/Idaho Historical Society

DESCRIPTION:

Letter transmitting the Archaeological and Historical Survey Report completed for the Panther Creek Inn and adjacent property.

1. 11. 8. . Vol. 1 - DOC ID: 1138553
DATE: 3/24/1999 PAGES: 9
AUTHOR(S): Blackbird Mine Site Group ADDRESSEE(S): Unknown

DESCRIPTION:

Panther Creek Inn Post-Removal Sampling Results.

1. 11. 8. . Vol. 1 - DOC ID: 1153320
DATE: 6/29/1999 PAGES: 6
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Unknown

DESCRIPTION:

Report on the Blackbird Mine Site, 7100 Dam Drawdown Test.

1. 11. 8. . Vol. 1 - DOC ID: 1138894
DATE: 12/29/1999 PAGES: 11
AUTHOR(S): Julie Reynolds/CH2M Hill, Inc. ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Risk Screening of Soil Data from Panther Creek Inn Basement.

1. 11. 8. . Vol. 1 - 1094589 DOC ID: 1094589
DATE: 4/11/2000 PAGES: 63
AUTHOR(S): ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Golder Associates, Inc.

Unknown

DESCRIPTION: Final Drawdown Test Results for Dam 7100.

1. 11. 8. . Vol. 1 - DOC ID: 1138904
DATE: 5/3/2000 PAGES: 15
AUTHOR(S): Blackbird Mine Site Group ADDRESSEE(S):
EPA

DESCRIPTION: Final Draft, Construction Report, Early Removal Action - Phases I, II, III, IV, and 5, 1995 Through 1999 Construction Seasons.

1. 11. 8. . Vol. 1 - DOC ID: 1153108
DATE: 10/11/2002 PAGES: 21
AUTHOR(S): Blackbird Mine Site Group ADDRESSEE(S):
EPA

DESCRIPTION: Construction Report, Early Removal Action, Phases I, II, III, IV, and 5, 1995 through 2001 Construction Seasons, Blackbird Mine.

SUB-HEAD: 1. 11. 8. 1. Vol. 1 - Comments

1. 11. 8. 1. Vol. 1 - DOC ID: 1138901
DATE: PAGES: 4
AUTHOR(S): Blackbird Mine Site Group ADDRESSEE(S):
EPA

DESCRIPTION: Response to 3/6/00 comments on Section 2.4 and Tables (Benthic Invertebrate Data) for the 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138704
DATE: 11/29/1994 PAGES: 2
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S):
Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION: Letter transmitting EPA's Preliminary Ecological and Human Health Conceptual Site Models to be used in scoping data needs and gaps for the RI/FS workplan, less attachment.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138914
DATE: 7/21/1998 PAGES: 9
AUTHOR(S): David E. Jackson/David E. Jackson and Associates, Inc. ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Blackbird Mine Site Group comments on the CH2M Hill Technical Memoranda regarding Human Health Risk Assessment for Panther Creek Inn (6/26/98) and Preliminary Removal Action Objectives/Preliminary Removal Goals (7/17/98).

1. 11. 8. 1. Vol. 1 - DOC ID: 1138916
DATE: 2/22/1999 PAGES: 4

AUTHOR(S):
David E. Jackson/Blackbird Mine Site
Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Blackbird Mine Site Group comments on the CH2M Hill memorandum regarding the Panther Creek Preliminary Remediation Goals (PRG), dated 2/4/99.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138897
DATE: 3/24/1999 PAGES: 7

AUTHOR(S):
David E. Jackson/Blackbird Mine Site
Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Issues for further discussion following the 3/3/99 meeting in Denver, concerning the Panther Creek Preliminary Remediation Goals (PRG).

1. 11. 8. 1. Vol. 1 - DOC ID: 1153324
DATE: 3/24/1999 PAGES: 3

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter with comments on the Panther Creek Inn Post-Removal Sampling Results, prepared by the BMSG, 2/15/99.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138898
DATE: 2/25/2000 PAGES: 17

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments, including input from the State and Trustees, regarding the Draft Report, 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan, prepared by Blackbird Mine Site Group by Golder Associates, Inc., 1/31/00.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138899
DATE: 3/2/2000 PAGES: 2

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Review of Benthic Invertebrate Data portion of the 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan, for Blackbird Mine Site.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138900
DATE: 3/6/2000 PAGES: 4

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

EPA and Trustee comments on Section 2.4 and Tables (Benthic Invertebrate Data) for the 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan, prepared by Golder Associates for the BMSG, 2/22/00.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138902
DATE: 4/12/2000 PAGES: 2

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Review of the 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan for Blackbird Mine Site, 3/31/00.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138903
DATE: 4/27/2000 PAGES: 5

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Review of the 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan prepared for the Blackbird Mine Site Group by Golder Associates, Inc., 3/31/00, concerns regarding 1/31/00 EPA comments.

1. 11. 8. 1. Vol. 1 - DOC ID: 1152160
DATE: 8/30/2000 PAGES: 4

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter regarding 1999 RI Data Summary Report and Sampling and Analysis Plan, prepared for the BMSG by Golder Associates, Inc., 6/16/00.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138905
DATE: 9/8/2000 PAGES: 4

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Golder Associates, Inc.

Unknown

DESCRIPTION:

Response to 8/30/00 comments regarding the 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan prepared for the Blackbird Mine Site Group by Golder Associates, Inc., 6/16/00.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138906
DATE: 9/15/2000 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter approving the 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan prepared for the Blackbird Mine Site Group by Golder Associates, Inc., dated 6/16/00, with 9/13/00 inserts and addendum.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138907
DATE: 11/10/2000 PAGES: 3

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments regarding the Blackbird Sampling and Analysis Plan Addendum, prepared for the Blackbird Mine Site Group by Golder Associates, Inc., dated 10/31/00.

1. 11. 8. 1. Vol. 1 - DOC ID: 1152164
DATE: 11/16/2000 PAGES: 2

AUTHOR(S):
Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):
David Tomten/EPA

DESCRIPTION:

Letter regarding request for revision of reporting limit for arsenic in water samples, Blackbird Mine Site, and transmitting 11/15/00 letter from Meyer of SVL Analytical to Dunster.

1. 11. 8. 1. Vol. 1 - DOC ID: 1152165
DATE: 11/21/2000 PAGES: 8

AUTHOR(S):
Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):
Fran Allans/EPA

Cheryl Ross/Golder Associates, Inc.

Rens Verburg/Golder Associates, Inc.

Doug Dunster/Golder Associates, Inc.

Suzanne Buntrock/U. S. Forest
Service

Cheryl Ross/Golder Associates, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Rens Verburg/Golder Associates, Inc.

Suzanne Buntrock/U. S. Forest Service

Doug Dunster/Golder Associates, Inc.

David E. Jackson/David E. Jackson and Associates, Inc.

Cheryl Ross/Golder Associates, Inc.

Rens Verburg/Golder Associates, Inc.

Doug Dunster/Golder Associates, Inc.

Elton R. Modroo/Idaho Division of Environmental Quality

Cheryl Ross/Golder Associates, Inc.

Rens Verburg/Golder Associates, Inc.

Doug Dunster/Golder Associates, Inc.

David Tomten/EPA

Cheryl Ross/Golder Associates, Inc.

Rens Verburg/Golder Associates, Inc.

DESCRIPTION:

Memorandum regarding response to EPA comments on Addendum to Blackbird Sampling and Analysis Plan--Proposal for Sediment Sequential Extraction Analysis (with 17 additional addressees).

1. 11. 8. 1. Vol. 1 - DOC ID: 1152166
DATE: 11/27/2000 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson and Associates, Inc.
Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION:

Letter regarding BMSG Responses, dated 11/21/00, to EPA comments on the Blackbird Sampling and Analysis Plan Addendum, prepared for the BMSG by Golder Associates, Inc., 10/31/00.

1. 11. 8. 1. Vol. 1 - DOC ID: 1152167
DATE: 11/27/2000 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson and Associates, Inc.
Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION:

Letter regarding Request for Revision of Reporting Limit for Arsenic in Water Samples - Blackbird Mine Site, prepared on behalf of the BMSG by Golder Associates, Inc., 11/16/00.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138908
DATE: 5/30/2001 PAGES: 4

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Gary L. Jackson/U. S. Forest Service

Unknown

DESCRIPTION:

Comments on the Site-Wide Baseline Human Health Risk Assessment for Blackbird Mine, dated 5/15/01.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138911

DATE: 6/1/2001 PAGES: 2

AUTHOR(S):
Bob Martin/Martin & Associates

ADDRESSEE(S):
Tom Hesemann/Rocky Mountain
Consultants, Inc.

DESCRIPTION:

Review of Draft Site-Wide Baseline Human Health Risk Assessment for Blackbird Mine, dated 5/15/01.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138909

DATE: 6/28/2001 PAGES: 14

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Comments on the CH2M Hill Draft Site-Wide Baseline Human Health Risk Assessment for Blackbird Mine Site, dated 5/15/01.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138912

DATE: 8/10/2001 PAGES: 1

AUTHOR(S):
Bob Martin/Martin & Associates

ADDRESSEE(S):
Tom Hesemann/Rocky Mountain
Consultants, Inc.

DESCRIPTION:

Comments on the Site-Wide Baseline Human Health Risk Assessment, dated 7/27/01.

1. 11. 8. 1. Vol. 1 - DOC ID: 1138913

DATE: 8/14/2001 PAGES: 2

AUTHOR(S):
David E. Jackson/Blackbird Mine Site
Group
Dan Myers/Blackbird Mine Site Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

BMSG's preliminary review of CH2M Hill's Site-Wide Baseline Human Health Risk Assessment, Blackbird Mine Site, dated 7/27/01.

1. 11. 8. 1. Vol. 1 - DOC ID: 1152184

DATE: 9/17/2001 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter with additional comment to be addressed in the Final Report, Sampling and Analysis Plan for 2001, prepared for the BMSG by Golder Associates, Inc., 08/30/01.

SUB-HEAD: 1. 12. . . Vol. 1 - Field Investigations

SUB-HEAD: 1. 12. 3. . Vol. 1 - Site Visit Reports

1. 12. 3. . Vol. 1 - 1098989 DOC ID: 1098989

DATE: 7/11/1997 PAGES: 4

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting Rocky Mountain Consulting's comments on the 6/26/97 site visit regarding geotechnical conditions of the 7000 and 7100 dam.

HEADING: 2. 0. . . REMEDIAL INVESTIGATION/FEASIBILITY STUDY

SUB-HEAD: 2. 1. . . Vol. 1 - Correspondence

SUB-HEAD: 2. 1. 1. . Vol. 1 - Correspondence - Undated through 12/31/97

2. 1. 1. . Vol. 1 - DOC ID: 1138790
DATE: PAGES: 6
AUTHOR(S): ADDRESSEE(S):
Blackbird Mine Site Group EPA

DESCRIPTION: Response to 5/3/96 EPA and Trustees comments on the WER Testing.

2. 1. 1. . Vol. 1 - DOC ID: 1138823
DATE: PAGES: 3
AUTHOR(S): ADDRESSEE(S):
Blackbird Mine Site Group EPA

DESCRIPTION: Response to comments in Fran Allans' letter dated 3/31/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138866
DATE: PAGES: 4
AUTHOR(S): ADDRESSEE(S):
Blackbird Mine Site Group EPA

DESCRIPTION: Response to 5/20/99 EPA comments, regarding 5/5/99 Revisions to Draft Report - Blackbird Mine Site Remedial Investigation, 1999 Sampling and Analysis Plan, prepared for the BMSG by Golder Associates, Inc., marginalia.

2. 1. 1. . Vol. 1 - DOC ID: 1152220
DATE: PAGES: 2
AUTHOR(S): ADDRESSEE(S):
Randall F. Smith/EPA Larry Salata/U. S. Fish and Wildlife Service
John Volkman/National Marine Fisheries Service

DESCRIPTION: Letter regarding EPA's Approval of Revised Water Quality Standards in Oregon, Idaho and Tribal Water Quality Standards for the Confederated Tribes of the Warm Springs Reservation.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 1 - DOC ID: 1138705
DATE: 1/19/1995 PAGES: 3

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION: Letter transmitting comments on the Blackbird Mine RI/FS Work Plan Annotated Outline.

2. 1. 1. . Vol. 1 - DOC ID: 1138706
DATE: 1/30/1995 PAGES: 4

AUTHOR(S):
Joseph A. Scheuering/Noranda Mining, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Letter transmitting Golder's 1/20/95 response to EPA comments on the Blackbird Mine RI/FS Work Plan Annotated Outline, with response transmittal letter from Dunster to Scheuering.

2. 1. 1. . Vol. 1 - DOC ID: 1138251
DATE: 2/9/1995 PAGES: 6

AUTHOR(S):
John V. Lupis/U. S. Dept. of Agriculture

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Letter documenting the Forest Service's position and concerns regarding the conference call on 1/31/95 and recommended procedures presented in the 1/20/95 letter from EPA to Noranda Mining Company. (letter enclosed)

2. 1. 1. . Vol. 1 - DOC ID: 1138707
DATE: 2/11/1995 PAGES: 2

AUTHOR(S):
Anthony S. Burgess/Golder Associates,
Inc.
Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION: Letter transmitting two copies of the Draft Focused Remedial Investigation and Feasibility Study Work Plan for Blackbird Site, less attachments.

2. 1. 1. . Vol. 1 - DOC ID: 1138708
DATE: 2/24/1995 PAGES: 8

AUTHOR(S):
Joseph A. Scheuering/Noranda Mining, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Letter providing notice of initiation of snowmelt and runoff monitoring activities as proposed in the Draft Focused Remedial Investigation and Feasibility Study Workplan, dated 2/9/95, and attached 2/21/95 correspondence to Myers from Brown and Fleming.

2. 1. 1. . Vol. 1 - DOC ID: 1138709
DATE: 3/7/1995 PAGES: 2

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the Little Deer Creek portion of the Draft Focused RI/FS Workplan,2/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138252
DATE: 3/10/1995 PAGES: 1

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Focused Remediation and Feasibility Study Work Plan.

2. 1. 1. . Vol. 1 - DOC ID: 1138253
DATE: 3/14/1995 PAGES: 7

AUTHOR(S):
Chris Mebane/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Focused Remediation and Feasibility Study Work Plan, dated 2/09/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138710
DATE: 3/14/1995 PAGES: 41

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Review of the Draft Focused Remedial Investigation and Feasibility Study Work Plan dated 2/9/95, with Common Plant Food Sources for Mammals; Wildlife Plants Ranked According to Their Value; and a list of references faxed from Bethesda on 2/22/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138294
DATE: 3/15/1995 PAGES: 5

AUTHOR(S):
U. S. Forest Service

ADDRESSEE(S):
Unknown

DESCRIPTION:

Comments on the Focused Remedial Investigation and Feasibility Study Workplan for the Blackbird Mine, Lemhi County, Idaho.

2. 1. 1. . Vol. 1 - DOC ID: 1138254
DATE: 3/16/1995 PAGES: 7

AUTHOR(S):
Alyce T. Fritz/NOAA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Focused Remedial Investigation and Feasibility Study (RI/FS) Work Plan.

2. 1. 1. . Vol. 1 - DOC ID: 1138753
DATE: 3/21/1995 PAGES: 1

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Alyce T. Fritz/NOAA

Fran Allans/EPA

DESCRIPTION:

Additional comments for the 3/16/95 review of the Draft Focused Remedial Investigation and Feasibility Study Work Plan prepared by Golder Associates, Inc., dated 2/9/95, handwritten note by Fritz at top of page.

2. 1. 1. . Vol. 1 - DOC ID: 1138754
DATE: 3/29/1995 PAGES: 9

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting supplemental comments, provided by the State and Trustees, to the EPA review of the Draft Focused Remedial Investigation/Feasibility Study Work Plan, dated 2/9/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138755
DATE: 4/4/1995 PAGES: 41

AUTHOR(S):
Anthony S. Burgess/Golder Associates,
Inc.
Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting responses, on behalf of Noranda, to EPA and Trustee comments on the Draft Focused Remedial Investigation/Feasibility Study Work Plan, Inc., dated 2/9/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138255
DATE: 5/13/1995 PAGES: 7

AUTHOR(S):
Christopher A. Beaverson/NOAA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Review of the Technical Memorandum on Blackbird Mine Ecological Risk Assessment by Golder Associates, dated 5/01/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138756
DATE: 5/17/1995 PAGES: 11

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting memorandum with comments regarding the Technical Memorandum on Blackbird Mine Ecological Risk Assessment prepared by Golder Associates, Inc., dated 5/1/95. Memo from Klima, Ohlendorf, Heinle and Ovink, to Allans, dated 5/17/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138757
DATE: 6/2/1995 PAGES: 4

AUTHOR(S):
Chris Mebane/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Theodore L. Garrett/Covington &
Burling

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Chris Mebane/Idaho Division of
Environmental Quality

Anthony O. Garvin/Brobeck Phleger &
Harrison

DESCRIPTION:

Letter regarding Blackbird Mine AOC for RI/FS and other Removal Action- Quarterly accounting of funds disbursed for state oversight, with Schedule 1, Expenditures for 1/1/95 to 3/31/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138758
DATE: 6/8/1995 PAGES: 2

AUTHOR(S):
Anthony S. Burgess/Golder Associates,
Inc.
Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting the Focused Remedial Investigation/Feasibility Study for the Blackbird Site, Final Report, dated 6/8/95, and notification of distribution to the RI/FS Final Distribution List, less enclosure.

2. 1. 1. . Vol. 1 - DOC ID: 1138759
DATE: 6/14/1995 PAGES: 1

AUTHOR(S):
John Marr/RCG/Hagler Bailly, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum with follow-up on scoping effort document with table of Laboratory Location, Primary Measurement Endpoints, and Associated Cost Estimates for Each of the Site-Specific Bioassays.

2. 1. 1. . Vol. 1 - DOC ID: 1138760
DATE: 6/14/1995 PAGES: 1

AUTHOR(S):
John Marr/RCG/Hagler Bailly, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum with follow-up on scoping effort document with table of Laboratory Location, Primary Measurement Endpoints, and Associated Cost Estimates for Each of the Site-Specific Bioassays, without Approximate Cost Range.

2. 1. 1. . Vol. 1 - DOC ID: 1138761
DATE: 6/15/1995 PAGES: 2

AUTHOR(S):
John Marr/RCG/Hagler Bailly, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum providing further breakdown of schedule estimates and approximated cost ranges for activities under the previously identified Tasks 1 and 2 of the site-specific bioassays to be conducted for EPA.

2. 1. 1. . Vol. 1 - DOC ID: 1138762
DATE: 6/27/1995 PAGES: 6

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

Joseph A. Scheuering/Noranda
Mining, Inc.
Keith Shell/Howmet Corporation,
Inc.

DESCRIPTION:

Comments on the Final Focused Remedial Investigation/Feasibility Study Work Plan for Blackbird Mine Site, dated 6/8/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138763
DATE: 6/30/1995 PAGES: 5

AUTHOR(S):
John Marr/RCG/Hagler Bailly, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum of Tasks 1 and 2 approximated schedules and cost ranges: scoping effort, (with tables provided for: Inclusive, Salmonid, Macroinvertebrate Community and Daphnia).

2. 1. 1. . Vol. 1 - DOC ID: 1138764
DATE: 7/7/1995 PAGES: 6

AUTHOR(S):
Harry Ohlendorf/CH2M Hill, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Fax transmitting 7/7/95 telephone conversation records: to Burch; to Wenger; from Heimer; to Scott and to Melquist; regarding Blackbird Mine - Receptors of Concern.

2. 1. 1. . Vol. 1 - DOC ID: 1138765
DATE: 7/12/1995 PAGES: 6

AUTHOR(S):
Anthony S. Burgess/Golder Associates,
Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Response, on behalf of Noranda, to 6/27/95 EPA and Trustee comments, on the Final Focused RI/FS Work Plan for the Blackbird Site.

2. 1. 1. . Vol. 1 - DOC ID: 1138766
DATE: 7/19/1995 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.
Keith Shell/Howmet Corporation,
Inc.

DESCRIPTION:

Letter approving the 6/8/95 Final Focused RI/FS Work Plan for the Blackbird Site, and 7/10/95 replacement pages, including the schedule.

2. 1. 1. . Vol. 1 - DOC ID: 1138767
DATE: 7/27/1995 PAGES: 9

AUTHOR(S):
Christopher A. Beaverson/NOAA

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Comments on Golder Associates' Technical Memorandum on Blackbird Mine Ecological Risk Assessment, dated 7/14/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138256
DATE: 8/8/1995 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting a summary of the 8/95 report by Lockheed Idaho Technologies Company (LITCO) on Passive Bioremediation of Acidic Mine Drainage (AMD) conducted on contaminated waters from the Blackbird Mine area. (less enclosure)

2. 1. 1. . Vol. 1 - DOC ID: 1138768
DATE: 8/28/1995 PAGES: 2

AUTHOR(S):
Chris Mebane/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on Blackbird Cobalt Aquatic Bioassay Memo by Klima and Ohlendorf of CH2M Hill, dated 8/18/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138769
DATE: 8/30/1995 PAGES: 5

AUTHOR(S):
John Marr/RCG/Hagler Bailly, Inc.

ADDRESSEE(S):
Fran Allans/EPA

Joshua Lipton/Hagler Bailly Services,
Inc.

John Marr/RCG/Hagler Bailly, Inc.

Don Heinle/CH2M Hill, Inc.

Joshua Lipton/Hagler Bailly Services,
Inc.

DESCRIPTION:

Comments on proposed cobalt toxicity test.

2. 1. 1. . Vol. 1 - DOC ID: 1138770
DATE: 9/5/1995 PAGES: 8

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.
Keith Shell/Howmet Corporation,
Inc.

DESCRIPTION:

Comments regarding the Technical Memorandum on Blackbird Mine Ecological Risk Assessment, dated 7/14/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138771
DATE: 9/6/1995 PAGES: 4

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

Joseph A. Scheuering/Noranda
Mining, Inc.
Keith Shell/Howmet Corporation,
Inc.

DESCRIPTION:

Comments on the Technical Memorandum Evaluation of Previous Modeling Efforts, dated 8/3/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138780
DATE: 9/7/1995 PAGES: 2

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the revised cobalt bioassay design memorandum.

2. 1. 1. . Vol. 1 - DOC ID: 1138772
DATE: 9/12/1995 PAGES: 4

AUTHOR(S):
John Marr/RCG/Hagler Bailly, Inc.

ADDRESSEE(S):
Fran Allans/EPA

Joshua Lipton/RCG/Hagler Bailly, Inc.

DESCRIPTION:

Comments on the 9/5/95 cobalt bioassay design memorandum.

2. 1. 1. . Vol. 1 - DOC ID: 1138773
DATE: 9/12/1995 PAGES: 5

AUTHOR(S):
Joshua Lipton/RCG/Hagler Bailly, Inc.

ADDRESSEE(S):
Fran Allans/EPA

John Marr/RCG/Hagler Bailly, Inc.

DESCRIPTION:

Comments on the 9/5/95 cobalt bioassay design memorandum, with fax transmittal.

2. 1. 1. . Vol. 1 - DOC ID: 1138781
DATE: 9/13/1995 PAGES: 4

AUTHOR(S):
Christopher A. Beaverson/NOAA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Blackbird cobalt aquatic bioassay design.

2. 1. 1. . Vol. 1 - DOC ID: 1138774
DATE: 11/3/1995 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Comments on the Workplan for Diversion Ditch Effectiveness Study, Blackbird Mine Site.

2. 1. 1. . Vol. 1 - DOC ID: 1138257
DATE: 12/6/1995 PAGES: 2
AUTHOR(S): Christopher A. Beaverson/NOAA ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Blackbird Mine RI/FS revised schedule, dated 11/15/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138775
DATE: 12/6/1995 PAGES: 3
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.
Keith Shell/Howmet Corporation,
Inc.

DESCRIPTION:

Comments on the Draft Revised Blackbird Mine RI/FS Schedule. dated 11/14/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138776
DATE: 12/7/1995 PAGES: 4
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION:

Response to Comments, dated 11/7/95, on the Draft Workplan for Diversion Ditch Effectiveness Study.

2. 1. 1. . Vol. 1 - DOC ID: 1138777
DATE: 12/21/1995 PAGES: 2
AUTHOR(S): Chris Mebane/Idaho Division of Environmental Quality ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Recommendations and questions regarding the 12/14/95 Revised RI/FS Schedule.

2. 1. 1. . Vol. 1 - DOC ID: 1138782
DATE: 1/16/1996 PAGES: 3
AUTHOR(S): Doug Dunster/Golder Associates, Inc. ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Response to EPA Comments, dated 9/5/95, on the Ecological Risk Assessment Technical Memorandum for the Blackbird Mine Site.

2. 1. 1. . Vol. 1 - DOC ID: 1138784
DATE: 2/2/1996 PAGES: 7
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S):
David E. Jackson/Dames & Moore

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Review Comments on the 1995 RI Data Summary Report, Blackbird Mine Site, prepared by Golder Associates Inc. for the Blackbird Mine Site Group, dated 12/27/95.

2. 1. 1. . Vol. 1 - DOC ID: 1138783
DATE: 2/8/1996 PAGES: 3

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Response to CH2M Hill Comments, dated 1/19/96, on the Revised Draft - Work Plan for Diversion Ditch Effectiveness Study.

2. 1. 1. . Vol. 1 - DOC ID: 1138785
DATE: 2/16/1996 PAGES: 11

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Response to 12/27/95 EPA Review Comments on the 1995 RI Data Summary Report, Blackbird Mine Site, prepared by Golder Associates Inc. for the Blackbird Mine Site Group.

2. 1. 1. . Vol. 1 - DOC ID: 1138786
DATE: 3/4/1996 PAGES: 3

AUTHOR(S):
Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Response to comments received 2/2/96 and errata pages for the Technical Memorandum on Blackbird Mine Ecological Risk Assessment, dated 1/16/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138788
DATE: 3/25/1996 PAGES: 2

AUTHOR(S):
Amy Lange/CH2M Hill, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Review of the Cobalt Toxicity Testing in the Focused Remedial Investigation/Feasibility Study Workplan Addendum, Blackbird Mine Site, dated 2/19/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138789
DATE: 4/9/1996 PAGES: 4

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda
Mining, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter regarding proposed changes by the Blackbird Mine Site Group (BMSG) to the Cobalt Toxicity Protocol in the 4/1/96 conference call.

2. 1. 1. . Vol. 1 - DOC ID: 1138258
DATE: 5/1/1996 PAGES: 2

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Forest Service and RMC comments on CH2M Hill's Technical Memorandum, Contaminant Contributions from Overbank Materials, Blackbird Mine Site as amended by the insert language attached to EPA's 4/30/96 fax.

2. 1. 1. . Vol. 1 - DOC ID: 1138787
DATE: 5/3/1996 PAGES: 3

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the Focused Remedial Investigation/Feasibility Study Workplan Addendum, Appendix A, Blackbird Mine Site, dated 2/19/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138791
DATE: 5/7/1996 PAGES: 14

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting the 5/7/96 CH2M Hill Technical Memorandum - Contaminant Contributions from Overbank Materials, that was referenced in EPA's comments dated 4/24/96 on the Focused Remedial Investigation and Feasibility Study Work Plan Addendum.

2. 1. 1. . Vol. 1 - DOC ID: 1138792
DATE: 5/9/1996 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter of conditional approval on the 4/25/95 Cobalt Toxicity Test Revision, Blackbird Mine Site RI/FS.

2. 1. 1. . Vol. 1 - DOC ID: 1138259
DATE: 5/15/1996 PAGES: 12

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Chris Mebane/Idaho Division of
Environmental Quality

David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION: Letter regarding water-effect-ratio development.

2. 1. 1. . Vol. 1 - DOC ID: 1138793
DATE: 5/21/1996 PAGES: 26

AUTHOR(S):
David E. Jackson/Dames & Moore

ADDRESSEE(S):
Fran Allans/EPA

Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION: Response to 5/16/96, EPA Comments on the Draft Final Supplemental-2 Analysis of Alternatives; Waste Rock Removal; Bucktail Creek (SUP-2 AOA).

2. 1. 1. . Vol. 1 - DOC ID: 1138794
DATE: 5/31/1996 PAGES: 31

AUTHOR(S):
David E. Jackson/Dames & Moore

ADDRESSEE(S):
Fran Allans/EPA

Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION: Letter transmitting BMSG responses to EPA and Trustee comments on the RI/FS Workplan Addendum and Appendix B: Measurement of Water Effects Ratios.

2. 1. 1. . Vol. 1 - DOC ID: 1138260
DATE: 6/5/1996 PAGES: 4

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on the Focused Remedial Investigation and Feasibility Study Work Plan Addendum, dated 2/19/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138795
DATE: 6/28/1996 PAGES: 3

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION: Comments on the Agenda for the Blackbird RI/FS Technical Work Group.

2. 1. 1. . Vol. 1 - DOC ID: 1138796
DATE: 8/7/1996 PAGES: 5

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Doug Dunster/Golder Associates, Inc.

Blackbird Mine RI/FS Work Group

DESCRIPTION:

Memorandum summarizing the action items and agreements reached at the Blackbird RI/FS Work Group Meeting, 7/23/96 and 7/24/96, (list of Blackbird Mine RI/FS Work Group members attached).

2. 1. 1. . Vol. 1 - DOC ID: 1138801
DATE: 8/16/1996 PAGES: 2

AUTHOR(S):
Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine RI/FS Work Group

DESCRIPTION:

Memorandum regarding comment memos: from Lincoln to Allans, dated 8/12/96; and from Heseman and Marshall to Martin, dated 8/12/96; about the minutes of the 7/23-7/24/96 Blackbird RI/FS Work Group Meeting.

2. 1. 1. . Vol. 1 - DOC ID: 1138261
DATE: 8/30/1996 PAGES: 1

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
Doug Dunster/Golder Associates,
Inc.

DESCRIPTION:

Letter requesting results from the 8/14/96 preliminary 10-day WER tests.

2. 1. 1. . Vol. 1 - DOC ID: 1138797
DATE: 8/30/1996 PAGES: 2

AUTHOR(S):
Michael L. Brown/Golder Associates, Inc.

ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.
David E. Jackson/Dames & Moore

DESCRIPTION:

Letter transmitting Ditch Effectiveness Evaluation Study, using results from field testing completed 7/96, less attachments.

2. 1. 1. . Vol. 1 - DOC ID: 1138262
DATE: 9/3/1996 PAGES: 1

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter requesting extra time to review the Proposed Approach for Determining Water-Effects Ratios (WER) for Copper.

2. 1. 1. . Vol. 1 - DOC ID: 1138798
DATE: 9/11/1996 PAGES: 4

AUTHOR(S):
Rens Verburg/Golder Associates, Inc.

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter transmitting Evaluation and Ramifications of Sulfate Behavior in Blackbird Creek.

2. 1. 1. . Vol. 1 - DOC ID: 1138263
DATE: 9/12/1996 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Focused Remedial Investigation and Feasibility Study Work Plan Addendum, dated 8/28/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138265
DATE: 9/17/1996 PAGES: 2

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Focused Remedial Investigation and Feasibility Study Work Plan Addendum, dated 8/28/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138799
DATE: 9/17/1996 PAGES: 2

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Focused Remedial Investigation and Feasibility Study Workplan Addendum, Blackbird Mine, dated 8/28/96.

2. 1. 1. . Vol. 1 - 1068973 DOC ID: 1068973
DATE: 10/18/1996 PAGES: 2

AUTHOR(S):
Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting revised responses to EPA comments on the Blackbird RI/FS Workplan Addendum and Analysis of Effects of Dispersion on Sulfate Concentrations in Blackbird Creek, (less attachments).

2. 1. 1. . Vol. 1 - 1091948 DOC ID: 1091948
DATE: 10/18/1996 PAGES: 23

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Revised Response to EPA and Trustee Comments (9/26/96) on Revised Focused RI/FS Workplan Addendum, dated 8/28/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138800
DATE: 10/30/1996 PAGES: 2

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Robert H. Martin/U. S. Forest Service

Fran Allans/EPA

DESCRIPTION:

RMC and Forest Service observations and recommendations regarding Golder's Technical Memorandum - Potential Effects of Dispersion on Sulfate Concentrations in Blackbird Creek, dated 10/18/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138266
DATE: 11/14/1996 PAGES: 7

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Blackbird Mine Trustees' comments on Appendix B (Focused Approach for Determining Water-Effects Ratios (WER) for Copper) of the Focused Remedial Investigation and Feasibility Study Work Plan Addendum.

2. 1. 1. . Vol. 1 - DOC ID: 1138267
DATE: 1/7/1997 PAGES: 4

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Technical Memorandum Evaluation of West Fork Tailings Impoundment Near Blackbird Mine Site, dated 12/19/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138268
DATE: 1/10/1997 PAGES: 4

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Technical Memorandum Evaluation of West Fork Tailings Impoundment Near Blackbird Mine Site, dated 12/19/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138809
DATE: 1/10/1997 PAGES: 4

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Technical Memorandum - Evaluation of West Fork Tailings Impoundment near Blackbird Mine Site, Idaho, dated 12/19/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138269
DATE: 1/15/1997 PAGES: 2

AUTHOR(S):
Christopher A. Beaverson/NOAA

ADDRESSEE(S):
Charles Stephans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter transmitting: letter dated 5/15/96 from C. Mebane regarding water-effect-ratio development; presentation handouts from 6/12/96 meeting with EPA and Blackbird parties; and 2/95 Fisheries Toxicity Injury Studies. (less enclosures)

2. 1. 1. . Vol. 1 - DOC ID: 1138810
DATE: 1/17/1997 PAGES: 7

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

EPA comments, in consultation with the State and Trustees, on the Draft Technical Memorandum - Evaluation of West Fork Tailings Impoundment Near Blackbird Mine Site, Idaho, prepared by Golder Associates for the Blackbird Mine Site Group, dated 12/19/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138811
DATE: 1/24/1997 PAGES: 11

AUTHOR(S):

Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Letter with comments prepared by Lipton and Welsh on behalf of the Blackbird Mine Site Group, regarding HydroQual's Flow Through Chronic Growth Test on Rainbow Trout Exposed to Sublethal Cobalt Concentrations in Panther Creek Water, dated 12/10/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138812
DATE: 1/29/1997 PAGES: 12

AUTHOR(S):

Golder Associates, Inc.

ADDRESSEE(S):

Unknown

DESCRIPTION:

Response to 1/17/97 Comments on Evaluation of West Fork Tailings Impoundment Near Blackbird Mine Site, dated 12/19/96, with transmittal fax from Dunster to RI/FS Final Distribution List, dated 1/29/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138813
DATE: 2/3/1997 PAGES: 3

AUTHOR(S):

Joseph A. Scheuering/Blackbird Mine Site
Group

David E. Jackson/Blackbird Mine Site
Group

Joseph A. Scheuering/Blackbird Mine Site
Group

David E. Jackson/Blackbird Mine Site
Group

Joseph A. Scheuering/Blackbird Mine Site
Group

David E. Jackson/Blackbird Mine Site
Group

ADDRESSEE(S):

Nick Iadanza/National Marine
Fisheries Service

Robert H. Martin/U. S. Forest
Service

Chris Mebane/Idaho Division of
Environmental Quality

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Response to Trustee Comments dated 11/14/96 on the Proposed Approach for Determining Water Effects Ratios for Copper, (Appendix B of the Focused RI/FS Work Plan Addendum, 8/28/96).

2. 1. 1. . Vol. 1 - DOC ID: 1138814
DATE: 2/3/1997 PAGES: 3

AUTHOR(S):

David E. Jackson/Blackbird Mine Site Group
Joseph A. Scheuering/Blackbird Mine Site Group
David E. Jackson/Blackbird Mine Site Group
Joseph A. Scheuering/Blackbird Mine Site Group
David E. Jackson/Blackbird Mine Site Group
Joseph A. Scheuering/Blackbird Mine Site Group

ADDRESSEE(S):

Nick Iadanza/National Marine Fisheries Service

Robert H. Martin/U. S. Forest Service

Chris Mebane/Idaho Division of Environmental Quality

DESCRIPTION:

Response to Trustee Comments dated 11/14/96 on the Proposed Approach for Determining Water Effects Ratios for Copper, (Appendix B of the Focused RI/FS Workplan Addendum, 8/28/96), faxed 2/4/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138815
DATE: 2/14/1997 PAGES: 2

AUTHOR(S):

Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Rocky Mountain Consultants, Inc. comments to Golder's Responses to Comments on Evaluation of West Fork Tailings Impoundment Near Blackbird Mine Site, dated 1/20/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138816
DATE: 2/18/1997 PAGES: 2

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION:

Letter of notification that additional information is being requested for the review of HydroQual's Flow Through Chronic Growth Test on Rainbow Trout Exposed to Sublethal Cobalt Concentrations in Panther Creek Water, 12/10/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138817
DATE: 2/26/1997 PAGES: 4

AUTHOR(S):

Golder Associates, Inc.

ADDRESSEE(S):

Unknown

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Response to Comments in Fran Allans' 2/18/97 letter regarding Flow Through Trout Growth Test on Cobalt, with transmittal letter from Dunster to RI/FS Final Distribution List.

2. 1. 1. . Vol. 1 - DOC ID: 1138270
DATE: 3/7/1997 PAGES: 6

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

Doug Dunster/Golder Associates,
Inc.

Nick Iadanza/National Marine Fisheries
Service

Fran Allans/EPA

David E. Jackson/Dames & Moore

Nick Iadanza/National Marine Fisheries
Service

Fran Allans/EPA

Joseph A. Scheuering/Noranda
Mining, Inc.

Nick Iadanza/National Marine Fisheries
Service

DESCRIPTION:

Letter transmitting an Issue Summary on the Proposed Water-Effect Ratio (WER) testing to modify the Panther Creek and Big Deer Creek water quality standard for copper.

2. 1. 1. . Vol. 1 - DOC ID: 1138271
DATE: 3/7/1997 PAGES: 6

AUTHOR(S):

Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Memorandum with Issue Summary regarding the Water-Effect Ratio (WER) Testing at Panther Creek and Big Deer Creek.

2. 1. 1. . Vol. 1 - DOC ID: 1138818
DATE: 3/13/1997 PAGES: 2

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

EPA and resource trustee comments regarding the Blackbird Mine, Flow Through Chronic Growth Test on Rainbow Trout Exposed to Sublethal Cobalt Concentrations in Panther Creek Water, 12/10/96.

2. 1. 1. . Vol. 1 - DOC ID: 1138819
DATE: 3/18/1997 PAGES: 9

AUTHOR(S):

Golder Associates, Inc.

ADDRESSEE(S):

Unknown

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Response to 10/11/96 EPA comments on the Draft Diversion Ditch Effectiveness Evaluation Report, dated 8/30/96, with transmittal letter from Brown and Velimesis to the Blackbird Mine Site, Early Action Draft Distribution List.

2. 1. 1. . Vol. 1 - DOC ID: 1138820
DATE: 3/19/1997 PAGES: 2

AUTHOR(S):

Nick Iadanza/National Marine Fisheries Service

ADDRESSEE(S):

Doug Dunster/Golder Associates, Inc.

DESCRIPTION:

Trustee comments on the Draft Summary of Blackbird Site Copper WER Meeting held 3/18/97 - 3/19/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138272
DATE: 3/25/1997 PAGES: 1

AUTHOR(S):

Elton R. Modroo/Idaho Division of Environmental Quality

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

Comments on the Draft 1996 Remedial Investigation Data Summary Report, Blackbird Mine Site, dated 3/4/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138273
DATE: 3/28/1997 PAGES: 2

AUTHOR(S):

Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

DESCRIPTION:

U.S.D.A. Forest Service and Rocky Mountain Consultants, Inc's comments on the Draft 1996 Remedial Investigation Data Summary Report, Blackbird Mine Site, dated 3/4/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138822
DATE: 3/31/1997 PAGES: 2

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION:

Request for Further Clarification Regarding Test Methods for Chronic Cobalt Toxicity Testing.

2. 1. 1. . Vol. 1 - DOC ID: 1138824
DATE: 4/30/1997 PAGES: 3

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

David E. Jackson/Dames & Moore

Joseph A. Scheuering/Noranda Mining, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

EPA, State and Trustee review of Golder's Draft 1996 Remedial Investigation Data Summary Report, Blackbird Mine Site, 3/4/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138821
DATE: 5/14/1997 PAGES: 4

AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Unknown

DESCRIPTION:

Summary of Blackbird Site Copper WER Meeting held 3/18/97 - 3/19/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138825
DATE: 5/14/1997 PAGES: 1

AUTHOR(S): Ken Brettmann/Golder Associates, Inc. ADDRESSEE(S): Fran Allans/EPA

Doug Dunster/Golder Associates, Inc.

DESCRIPTION:

Letter transmitting memorandum regarding Surface Water Quality Trend Analysis, (less enclosure).

2. 1. 1. . Vol. 1 - DOC ID: 1138826
DATE: 5/14/1997 PAGES: 4

AUTHOR(S): Doug Dunster/Golder Associates, Inc. ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Responses to EPA Comments on the Draft 1996 Remedial Investigation Data Summary Report, Blackbird Mine Site, dated 3/4/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138827
DATE: 6/3/1997 PAGES: 2

AUTHOR(S): Unknown ADDRESSEE(S): Unknown

DESCRIPTION:

Table 1: Summary of Cobalt Tests on Different Fishes, Batches With and Without Acclimation, date range 7/15/96 - 6/03/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138274
DATE: 6/4/1997 PAGES: 2

AUTHOR(S): Robert H. Martin/U. S. Forest Service ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION:

Rocky Mountain Consultants' response to Golder's 5/14/97 Response to EPA Comments on the Draft 1996 Remedial Investigation Data Summary Report.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 1 - DOC ID: 1138828
DATE: 6/4/1997 PAGES: 2

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

RMC's response to Golder's 5/14/97 response to EPA comments on the Draft 1996 Remedial Investigation Data Summary Report.

2. 1. 1. . Vol. 1 - DOC ID: 1138829
DATE: 6/4/1997 PAGES: 6

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Evaluation of West Fork Tailings Impoundment, Blackbird Mine Site, Idaho, Draft Final Technical Memorandum, dated 5/8/97, with 4 Panther Creek Compliance Point figures.

2. 1. 1. . Vol. 1 - DOC ID: 1138830
DATE: 6/5/1997 PAGES: 2

AUTHOR(S):
David E. Jackson/Blackbird Mine Site Group

ADDRESSEE(S):
Fran Allans/EPA

Joseph A. Scheuering/Blackbird Mine Site Group

David E. Jackson/Blackbird Mine Site Group

Nick Iadanza/National Marine Fisheries Service

Joseph A. Scheuering/Blackbird Mine Site Group

David E. Jackson/Blackbird Mine Site Group

Robert H. Martin/U. S. Forest Service

Joseph A. Scheuering/Blackbird Mine Site Group

David E. Jackson/Blackbird Mine Site Group

Chris Mebane/Idaho Division of Environmental Quality

Joseph A. Scheuering/Blackbird Mine Site Group

DESCRIPTION:

Review of the 3/18/97 and 3/19/97 meeting on the scope of water effects ratio (WER) testing for copper at the Blackbird Mine.

2. 1. 1. . Vol. 1 - DOC ID: 1138831
DATE: 6/13/1997 PAGES: 5

AUTHOR(S):
Christopher A. Beaverson/NOAA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

NOAA and RMC Review of Cobalt Concentrations Following Implementation of Early Actions Memorandum, dated 5/14/97, and general comments on the status of cobalt toxicity testing, faxed 6/17/97.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 1 - DOC ID: 1138833
DATE: 6/16/1997 PAGES: 1
AUTHOR(S): Robert H. Martin/U. S. Forest Service
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: RMC's review of Appendix F to the Focused Remedial Investigation and Feasibility Study Work Plan Addendum, Work Plan for Early Action Effectiveness Monitoring Near the 7500, 7600, and 7750 Waste Dumps, dated 6/6/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138834
DATE: 6/24/1997 PAGES: 2
AUTHOR(S): Unknown
ADDRESSEE(S): Unknown

DESCRIPTION: Summary of 6/24/97 Conference Call regarding Cobalt Toxicity Testing & Copper WER - Blackbird Mine Site.

2. 1. 1. . Vol. 1 - DOC ID: 1138832
DATE: 8/25/1997 PAGES: 2
AUTHOR(S): Christopher A. Beaverson/NOAA
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Comments on the 7/97 memo from Heinle regarding the Basis for a Possible Chronic Criterion for Cobalt in Panther Creek, faxed 8/25/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138836
DATE: 9/22/1997 PAGES: 2
AUTHOR(S): Chris Mebane/Idaho Division of Environmental Quality
ADDRESSEE(S): Mark Shumar/Idaho Division of Environmental Quality

DESCRIPTION: Memorandum on the Proposed Designated Uses for Blackbird Creek (SB-421).

2. 1. 1. . Vol. 1 - DOC ID: 1138837
DATE: 12/18/1997 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Review of the Draft Evaluation of Leach Test Results for Tailings Debris Flow Deposits, and Colluvium, Blackbird Mine Site, dated 12/10/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138838
DATE: 12/18/1997 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality
ADDRESSEE(S): Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Additional information regarding the Technical Memorandum Ground Water Flux to Panther Creek in Panther Creek Inn, 12/17/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138839
DATE: 12/22/1997 PAGES: 3

AUTHOR(S):
Bruce Marshall/Rocky Mountain
Consultants, Inc.

ADDRESSEE(S):
Christopher A. Beaverson/NOAA

Suzanne Buntrock/U. S. Forest
Service
Nick Iadanza/National Marine
Fisheries Service
Robert H. Martin/U. S. Forest
Service
Elton R. Modroo/Idaho Division of
Environmental Quality

DESCRIPTION:

Review of Evaluation of Leach Test Results for Tailings, Debris Flow Deposits and Colluvium, Blackbird Mine Site, draft report dated 12/1/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138840
DATE: 12/23/1997 PAGES: 2

AUTHOR(S):
Joseph A. Scheuering/Blackbird Mine Site
Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Proposal regarding the Ditch Effectiveness Studies and Water Treatment Plant Sludge Pond.

2. 1. 1. . Vol. 1 - DOC ID: 1138841
DATE: 12/23/1997 PAGES: 9

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

EPA comments, in consultation with the State and Trustees, regarding Golder's Draft Evaluation of Leach Test Results for Tailings, Debris Flow Deposits, and Colluvium, Blackbird Mine Site, 12/10/97.

2. 1. 1. . Vol. 1 - DOC ID: 1138842
DATE: 12/24/1997 PAGES: 4

AUTHOR(S):
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

RMC comments on the Evaluation of Leach Test Results for Tailings, Debris Flow Deposits, and Colluvium, Blackbird Mine Site, Draft Report dated 12/1/97.

SUB-HEAD: 2. 1. 1. . Vol. 2 - Correspondence - 1/01/98 through 12/31/00

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 2 - DOC ID: 1138843
DATE: 1/9/1998 PAGES: 13
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Response to comments dated 12/23/97 on the Draft Evaluation of Leach Test Results for Tailings, Debris Flow Deposits, and Colluvium, Blackbird Mine Site.

2. 1. 1. . Vol. 2 - DOC ID: 1138275
DATE: 3/2/1998 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on the Sampling and Analysis Plan, Early Action Effectiveness Monitoring, Blackbird Mine Site, dated 2/13/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138276
DATE: 3/9/1998 PAGES: 2
AUTHOR(S): Robert H. Martin/U. S. Forest Service ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on the Sampling and Analysis Plan, Early Action Effectiveness Monitoring, Blackbird Mine Site, dated 2/13/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138277
DATE: 3/9/1998 PAGES: 2
AUTHOR(S): Christopher A. Beaverson/NOAA ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on the Sampling and Analysis Plan, Early Action Effectiveness Monitoring, Blackbird Mine Site, dated 2/13/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138844
DATE: 3/10/1998 PAGES: 5
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S):
David E. Jackson/David E. Jackson and Associates, Inc.
Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION: EPA comments, in consultation with the State and Trustees, on the Draft Sampling and Analysis Plan - Early Action Effectiveness Monitoring, prepared for BMSG by Golder Associates, Inc., 2/13/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138845
DATE: 3/18/1998 PAGES: 8
AUTHOR(S): ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Golder Associates, Inc.

Unknown

DESCRIPTION:

Response to EPA comments on the Early Action Effectiveness Monitoring Sampling and Analysis Plan, dated 3/10/98, with transmittal letter from Dunster to RI/FS Distribution.

2. 1. 1. . Vol. 2 - DOC ID: 1138846
DATE: 3/26/1998 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Human Health Risk Assessment for Panther Creek Inn, 2/12/97, document's approximate date is 3/24/98-3/26/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138850
DATE: 3/27/1998 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the 12/23/97 letter from the BMSG, regarding the proposal concerning ditch effectiveness studies.

2. 1. 1. . Vol. 2 - DOC ID: 1138847
DATE: 6/10/1998 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Conditional approval of the Sampling and Analysis Plan - Early Action Effectiveness Monitoring, prepared for BMSG by Golder Associates, Inc., 4/10/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138848
DATE: 6/16/1998 PAGES: 1

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Response to EPA comments, dated 6/10/98, regarding the Sampling and Analysis Plan - Early Action Effectiveness Monitoring, prepared for BMSG by Golder Associates, Inc., 4/10/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138915
DATE: 8/20/1998 PAGES: 38

AUTHOR(S):
David Frank/EPA

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Comments on the Draft Technical Memorandum No. 1, Results of Bioaccessibility and Mineralogical Analyses, Blackbird Mine Site, by Exponent, 8/13/98, (technical memorandum attached).

2. 1. 1. . Vol. 2 - DOC ID: 1138278
DATE: 1/5/1999 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the 1998 Remedial Investigation Data Summary Report, Blackbird Mine Site, dated 12/18/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138851
DATE: 1/5/1999 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the 1998 Remedial Investigation Data Summary Report, Blackbird Mine Site, 12/18/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138279
DATE: 1/14/1999 PAGES: 1

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments regarding the 1998 Remedial Investigation Data Summary Report, dated 12/18/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138852
DATE: 1/15/1999 PAGES: 1

AUTHOR(S):
James S. Johnston/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Joseph A. Scheuering/Blackbird Mine
Site Group

DESCRIPTION:

Review of the BMSG's report of the Blackbird Mine Site Group National Contingency Plan Review West Fork Channel and Spillway, dated 9/29/98.

2. 1. 1. . Vol. 2 - DOC ID: 1153325
DATE: 1/19/1999 PAGES: 9

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting comments on the 1998 Remedial Investigation Data Summary, prepared for the BMSG by Golder Associates, Inc., 12/18/98.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 2 - DOC ID: 1138853
DATE: 1/20/1999 PAGES: 12
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Response to EPA Comments dated 1/19/99 on the 1998 Remedial Investigation Data Summary Report, prepared by Golder Associates, Inc., 12/18/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138854
DATE: 1/26/1999 PAGES: 14
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Response to EPA Comments dated 1/19/99 on the 1998 Remedial Investigation Data Summary Report, prepared by Golder Associates, Inc., 12/18/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138855
DATE: 1/27/1999 PAGES: 2
AUTHOR(S): Gary L. Jackson/U. S. Forest Service ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Review of the Blackbird Mine Site Group, National Contingency Plan Review West Fork Channel and Spillway, dated 9/29/98.

2. 1. 1. . Vol. 2 - DOC ID: 1138856
DATE: 2/26/1999 PAGES: 2
AUTHOR(S): Gary L. Jackson/U. S. Forest Service ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Review of the Comparison of Screening Level Preliminary Remediation Goals to the Panther Creek Overbank Sampling Results, dated 2/19/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138857
DATE: 3/25/1999 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on the Blackbird Mine Site Remedial Investigation, 1999 Sampling and Analysis Plan, dated 3/19/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138858
DATE: 3/30/1999 PAGES: 3
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S):
David E. Jackson/David E. Jackson and Associates, Inc.
Joseph A. Scheuering/Noranda Mining, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Comments on the time-critical portion of the Draft Report - Blackbird Mine Site Remedial Investigation, 1999 Sampling and Analysis Plan, prepared for BMSG by Golder Associates, Inc., dated 3/19/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138859
DATE: 4/2/1999 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Blackbird Mine Site Remedial Investigation, 1999 Sampling and Analysis Plan, dated 3/19/99 and the Sampling Plan to Evaluate the Need for Sediment Removal and Bank Stabilization, Blackbird Mine Site, dated 2/25/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138860
DATE: 4/8/1999 PAGES: 4

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the Draft Report - Sampling Plan to Evaluate the Need for Sediment Removal and Bank Stabilization, prepared for the BMSG by Golder Associates, Inc., dated 2/25/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138280
DATE: 4/9/1999 PAGES: 2

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Report, Blackbird Mine Site Remedial Investigation, 1999 Data Sampling and Analysis Plan, dated 3/19/99, and EPA comments from 3/30/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138861
DATE: 4/9/1999 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Description of how to perform the 1999 Spring Runoff Sampling in Big Deer Drainage.

2. 1. 1. . Vol. 2 - DOC ID: 1138862
DATE: 4/15/1999 PAGES: 9

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the Draft Report - Blackbird Mine Site Remedial Investigation, 1999 Sampling and Analysis Plan, prepared for the BMSG by Golder Associates, Inc., 3/19/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138863

DATE: 4/21/1999 PAGES: 1

AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

DESCRIPTION:

Response to Supplemental Comments to the 4/21/99 Memorandum from J. Lincoln to F. Allans on Draft Report - Blackbird Mine Site Remedial Investigation, 1999 Sampling and Analysis Plan, dated 3/19/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138864

DATE: 4/22/1999 PAGES: 12

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Response to 4/15/99 EPA Comments on the Draft Report - Blackbird Mine Site Remedial Investigation, 1999 Sampling and Analysis Plan, dated 3/19/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138865

DATE: 4/30/1999 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Description of how the 1999 Spring Runoff Sampling in Big Deer Drainage shall be performed.

2. 1. 1. . Vol. 2 - DOC ID: 1153326

DATE: 5/20/1999 PAGES: 4

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the 5/5/99 revisions to the Draft Report - Blackbird Mine Site Remedial Investigation, 1999 Sampling and Analysis Plan, prepared for the BMSG by Golder Associates, Inc.

2. 1. 1. . Vol. 2 - DOC ID: 1138867

DATE: 6/28/1999 PAGES: 3

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

David E. Jackson/David E. Jackson
and Associates, Inc.

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Contingent approval of the Final Blackbird Mine Site Remedial Investigation, 1999 Sampling and Analysis Plan, prepared for the BMSG by Golder Associates, Inc., 5/26/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138868
DATE: 7/7/1999 PAGES: 8

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Review of the 6/15/99 Work Plan and Sampling and Analysis Plan, Terrestrial Ecological Risk Assessment for Blackbird Mine Site/Panther Creek, prepared by Golder Associates Inc.

2. 1. 1. . Vol. 2 - DOC ID: 1138869
DATE: 7/8/1999 PAGES: 19

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting comments from CH2M Hill, the State and the Forest Service on the 6/15/99 Work Plan and Sampling and Analysis Plan, Terrestrial Ecological Risk Assessment for Blackbird Mine Site/Panther Creek, prepared by Golder Associates Inc.

2. 1. 1. . Vol. 2 - DOC ID: 1138870
DATE: 7/13/1999 PAGES: 2

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Human Health Risk Assessment for the Panther Creek Overbank Deposit areas of the Blackbird Mine Site.

2. 1. 1. . Vol. 2 - DOC ID: 1138876
DATE: 7/20/1999 PAGES: 24

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting the 7/20/99 memorandum from E. Modroo to C. Reno regarding the Synoptic Flow Sampling Event along Bucktail Creek with the 6/8/99 - 6/9/99 Bucktail Loading Study, and water sampling results.

2. 1. 1. . Vol. 2 - DOC ID: 1138871
DATE: 8/4/1999 PAGES: 12

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Doug Dunster/Golder Associates, Inc.

David E. Jackson/David E. Jackson
and Associates, Inc.

Stella Swanson/Golder Associates, Inc.

Doug Dunster/Golder Associates, Inc.

Daniel L. Myers/Noranda Minerals,
Inc.

Stella Swanson/Golder Associates, Inc.

DESCRIPTION:

Response to EPA and Trustee comments on the Work Plan and Sampling and Analysis Plan - Terrestrial Ecological Risk Assessment for Blackbird Mine Site/Panther Creek, 6/15/99, less attachments.

2. 1. 1. . Vol. 2 - DOC ID: 1138872
DATE: 8/4/1999 PAGES: 25

AUTHOR(S):

Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):

David E. Jackson/David E. Jackson
and Associates, Inc.

Stella Swanson/Golder Associates, Inc.

Doug Dunster/Golder Associates, Inc.

Daniel L. Myers/Noranda Minerals,
Inc.

Stella Swanson/Golder Associates, Inc.

DESCRIPTION:

Response to EPA and Trustee comments on the Work Plan and Sampling and Analysis Plan - Terrestrial Ecological Risk Assessment for Blackbird Mine Site/Panther Creek, 6/15/99, with technical procedures for small mammal and vegetation community surveys.

2. 1. 1. . Vol. 2 - DOC ID: 1138873
DATE: 11/22/1999 PAGES: 1

AUTHOR(S):

Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):

Jack Ecklesdafer/Unknown

DESCRIPTION:

Letter with sample results for Panther Creek sediments collected on 10/25/99.

2. 1. 1. . Vol. 2 - DOC ID: 1138874
DATE: 11/22/1999 PAGES: 3

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

David E. Jackson/David E. Jackson
and Associates, Inc.

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the 9/2/99 Ditch Effectiveness Analysis, prepared by Golder Associates, Inc. for the Blackbird Mine Site Group.

2. 1. 1. . Vol. 2 - DOC ID: 1138875
DATE: 12/2/1999 PAGES: 3

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Golder Associates, Inc.

Unknown

DESCRIPTION:

Response to EPA Comments, dated 11/22/99, on the 9/2/99 Ditch Effectiveness Analysis.

2. 1. 1. . Vol. 2 - DOC ID: 1152141
DATE: 2/1/2000 PAGES: 2

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter providing comments on the 11/10/99 Work Plan, Sampling and Analysis Plan, Terrestrial Ecological Risk Assessment for Blackbird Mine/Panther Creek, prepared by Golder Associated for BMSG.

2. 1. 1. . Vol. 2 - DOC ID: 1152142
DATE: 2/18/2000 PAGES: 7

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with comments on Golder Associates', 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan, Blackbird Mine Site, dated 1/31/00.

2. 1. 1. . Vol. 2 - DOC ID: 1138879
DATE: 2/25/2000 PAGES: 6

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding review of 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan for Blackbird Mine Site, dated 1/31/00.

2. 1. 1. . Vol. 2 - DOC ID: 1152144
DATE: 3/15/2000 PAGES: 5

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting comments on the Revised Ditch Effectiveness Analysis, prepared for the BMSG by Golder Associates, Inc., 2/11/00.

2. 1. 1. . Vol. 2 - DOC ID: 1152145
DATE: 3/30/2000 PAGES: 8

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Response to 3/15/00 EPA Comments regarding the Revised Ditch Effectiveness Analysis, dated 02/11/00.

2. 1. 1. . Vol. 2 - DOC ID: 1152146
DATE: 4/10/2000 PAGES: 5

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding Draft Report Terrestrial Ecological Risk Assessment for Blackbird Mine/Panther Creek, dated 3/00.

2. 1. 1. . Vol. 2 - DOC ID: 1152147
DATE: 4/12/2000 PAGES: 2

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with comments on the 1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan for Blackbird Mine Site, dated 3/31/00.

2. 1. 1. . Vol. 2 - DOC ID: 1153327
DATE: 4/13/2000 PAGES: 15

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting comments on the Terrestrial Ecological Risk Assessment for Blackbird Mine/Panther Creek, prepared for the BMSG by Golder Associates, Inc., 3/14/00.

2. 1. 1. . Vol. 2 - DOC ID: 1152148
DATE: 4/17/2000 PAGES: 22

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Letter transmitting comments on the Terrestrial Ecological Risk Assessment, Blackbird Mine Site, prepared by Golder Associates for the Blackbird Mine Site Group, dated 9/00.

2. 1. 1. . Vol. 2 - DOC ID: 1152149
DATE: 4/17/2000 PAGES: 29

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter transmitting comments on the Draft Blackbird Mine Site Remedial Investigation prepared for the BMSG by Golder Associates, Inc., 2/28/01.

2. 1. 1. . Vol. 2 - DOC ID: 1153328
DATE: 4/18/2000 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Comments on the Sampling Plan to Evaluate the Need for Sediment Removal and Bank Stabilization, prepared for the BMSG by Golder Associates, Inc., 2/29/00.

2. 1. 1. . Vol. 2 - DOC ID: 1152150
DATE: 5/1/2000 PAGES: 33

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Responses to EPA Comments dated 4/13/00 on the Terrestrial Ecological Risk Assessment for Blackbird Mine/Panther Creek, prepared for the BMSG by Golder Associates, Inc., 3/14/00, marginalia.

2. 1. 1. . Vol. 2 - DOC ID: 1152151
DATE: 5/19/2000 PAGES: 3

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Review of Existing Geotechnical Documentation for the West Fork Tailing Facility, submitted in response to EPA comments on the West Fork Tailings Dam.

2. 1. 1. . Vol. 2 - DOC ID: 1152152
DATE: 5/24/2000 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter approving the Final Appendix A, Ditch Effectiveness Analysis, Work Plan for Spring 2000 Snow Melt Study, prepared for the BMSG by Golder Associates, Inc., 3/31/00.

2. 1. 1. . Vol. 2 - DOC ID: 1152153
DATE: 5/31/2000 PAGES: 12

AUTHOR(S):
Unknown

ADDRESSEE(S):
Unknown

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Compiled Meeting Notes: Blackbird Terrestrial Ecological Risk Assessment Review of Agency Comments on the Draft Report. with comments by Golder.

2. 1. 1. . Vol. 2 - DOC ID: 1138573
DATE: 6/5/2000 PAGES: 3

AUTHOR(S):
Randall F. Smith/EPA

ADDRESSEE(S):
C. Stephen Allred/Idaho Division of
Environmental Quality

DESCRIPTION:

Comments on the Use Attainability Analyses for Blackbird Creek and West Fork Blackbird Creek.

2. 1. 1. . Vol. 2 - DOC ID: 1152154
DATE: 6/12/2000 PAGES: 3

AUTHOR(S):
Lisa C. Macchio/EPA

ADDRESSEE(S):
Ted Meyers/National Marine
Fisheries Service

DESCRIPTION:

Letter regarding EPA's approval of Idaho's Removal of Aquatic Life Beneficial Use Designations for Lower Blackbird and Lower West Fork Blackbird Creeks.

2. 1. 1. . Vol. 2 - DOC ID: 1152155
DATE: 7/5/2000 PAGES: 4

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with Cobalt Town Site Tailings Leach Study Test Results and attached sampling data.

2. 1. 1. . Vol. 2 - DOC ID: 1152156
DATE: 7/10/2000 PAGES: 13

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting EPA, State and Trustee comments on: Draft #1 for EPA Review, Technical Memorandum, Cobalt Townsite Overbank Removal Actions, 6/1/00; and Revised Cost Tables, Appendix B and Appendix C, 6/23/00.

2. 1. 1. . Vol. 2 - DOC ID: 1152157
DATE: 7/13/2000 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Response to 7/11/00 letter regarding 7000 Dam Springs and Seeps.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 2 - DOC ID: 1152158
DATE: 7/14/2000 PAGES: 2
AUTHOR(S): Laura Mucklow/Golder Associates, Inc. ADDRESSEE(S):
Fran Allans/EPA
Stella Swanson/Golder Associates, Inc.

DESCRIPTION: Memorandum regarding soil sampling on Big Deer Creek.

2. 1. 1. . Vol. 2 - DOC ID: 1152159
DATE: 7/17/2000 PAGES: 3
AUTHOR(S): Jeffrey D. Fromm/Idaho Dept. of Environmental Quality ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Letter transmitting review of Draft Technical Memorandum: Potential for Residual Risks to Terrestrial Receptors of Concern Following Removal/Capping of Cobalt Townsite and Noranda Pasture Overbank Deposits.

2. 1. 1. . Vol. 2 - DOC ID: 1152161
DATE: 9/14/2000 PAGES: 2
AUTHOR(S): Gary L. Jackson/U. S. Forest Service ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Review of Work Plan, 2000 West Fork Tailings Impoundment, work plan for geotechnical investigations of tailings, the existing embankment, foundation, and buttress.

2. 1. 1. . Vol. 2 - DOC ID: 1153329
DATE: 9/19/2000 PAGES: 2
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S):
David E. Jackson/David E. Jackson and Associates, Inc.
Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION: Comments on the Work Plan, 2000 West Fork Tailings Impoundment, prepared for the BMSG by Golder Associates, Inc., 9/6/00.

2. 1. 1. . Vol. 2 - DOC ID: 1153330
DATE: 9/27/2000 PAGES: 2
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S):
David E. Jackson/David E. Jackson and Associates, Inc.
Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION: Letter regarding the Blackbird Mine Site, Post-Fire Hydrology.

2. 1. 1. . Vol. 2 - DOC ID: 1153331
DATE: 10/2/2000 PAGES: 2
AUTHOR(S): ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

David E. Jackson/David E. Jackson
and Associates, Inc.

Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter regarding Post-Fire Mitigation Measures at the Blackbird Mine site.

2. 1. 1. . Vol. 2 - DOC ID: 1153332
DATE: 10/11/2000 PAGES: 2

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION:

Response to EPA's letter, dated 2/27/00 regarding Post-Fire Hydrology.

2. 1. 1. . Vol. 2 - DOC ID: 1153333
DATE: 10/11/2000 PAGES: 3

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION:

Response to EPA comments, dated 10/2/00, regarding Post-Fire Mitigation Measures.

2. 1. 1. . Vol. 2 - DOC ID: 1153334
DATE: 10/23/2000 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter regarding BMSG responses, dated 10/11/00, to EPA's letters, dated 9/27/00 and 10/2/00, regarding post-fire hydrology and mitigation measures.

2. 1. 1. . Vol. 2 - DOC ID: 1152162
DATE: 10/24/2000 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

DESCRIPTION:

Letter transmitting Blackbird Mine Aquatic Ecological Risk Assessment Work Plan (less attachment).

2. 1. 1. . Vol. 2 - DOC ID: 1152163
DATE: 11/11/2000 PAGES: 4

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Joseph A. Scheuering/Noranda
Mining, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter regarding Draft Spring 2000 Snow Melt Study, prepared for the BMSG by Golder Associates, Inc., 9/14/00.

2. 1. 1. . Vol. 2 - DOC ID: 1138625
DATE: 11/13/2000 PAGES: 4

AUTHOR(S):

David E. Jackson/Blackbird Mine Site Group
Joseph A. Scheuering/Blackbird Mine Site Group

ADDRESSEE(S):

David Tomten/EPA

DESCRIPTION:

Comments on the Blackbird Mine Aquatic Ecological Risk Assessment Work Plan prepared by CH2M Hill.

2. 1. 1. . Vol. 2 - DOC ID: 1138997
DATE: 11/21/2000 PAGES: 4

AUTHOR(S):

Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

David Tomten/EPA

DESCRIPTION:

Comments on the Blackbird Mine Aquatic Ecological Risk Assessment Work Plan.

2. 1. 1. . Vol. 2 - DOC ID: 1138282
DATE: 12/8/2000 PAGES: 3

AUTHOR(S):

Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):

Fran Allans/EPA

David Tomten/EPA

DESCRIPTION:

Comments on the Revised Work Plan for the Blackbird Mine Aquatic Ecological Risk Assessment.

2. 1. 1. . Vol. 2 - DOC ID: 1138283
DATE: 12/12/2000 PAGES: 3

AUTHOR(S):

Helen Hillman/NOAA

ADDRESSEE(S):

Fran Allans/EPA

David Tomten/EPA

DESCRIPTION:

Comments on the Draft Work Plan for the Aquatic Ecological Risk Assessment at Blackbird Mine.

2. 1. 1. . Vol. 2 - DOC ID: 1138284
DATE: 12/12/2000 PAGES: 2

AUTHOR(S):

Jeff Fromm/Idaho Division of Environmental Quality

ADDRESSEE(S):

David Tomten/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Comments on the Draft Blackbird Mine Aquatic Ecological Risk Assessment Work Plan.

2. 1. 1. . Vol. 2 - DOC ID: 1152221
DATE: 12/22/2000 PAGES: 1
AUTHOR(S): Douglas Beltman/Stratus Consulting, Inc. ADDRESSEE(S): David Tomten/EPA

DESCRIPTION: Memorandum with comments on 12/21/00 version of the Revised Aquatics Ecological Risk Assessment Work Plan for Blackbird Mine.

2. 1. 1. . Vol. 2 - DOC ID: 1152168
DATE: 12/26/2000 PAGES: 1
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality ADDRESSEE(S): Fran Allans/EPA
David Tomten/EPA

DESCRIPTION: Comments on the Blackbird Mine Site Post Fire Report Cobalt, ID, dated 12/19/00.

SUB-HEAD: 2. 1. 1. . Vol. 3 - Correspondence - 1/01/01 to Present

2. 1. 1. . Vol. 3 - DOC ID: 1152169
DATE: 1/2/2001 PAGES: 1
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S): David E. Jackson/David E. Jackson and Associates, Inc.
Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION: Letter regarding revised Blackbird Mine Aquatic Ecological Risk Assessment Work Plan, requesting comments by 1/8/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152170
DATE: 1/8/2001 PAGES: 3
AUTHOR(S): Gary L. Jackson/U. S. Forest Service ADDRESSEE(S): Fran Allans/EPA
David Tomten/EPA

DESCRIPTION: Letter with comments on the Draft Blackbird Mine Site Post Fire Report, dated 12/19/00.

2. 1. 1. . Vol. 3 - DOC ID: 1138618
DATE: 1/9/2001 PAGES: 2
AUTHOR(S): David E. Jackson/Blackbird Mine Site Group ADDRESSEE(S): David Tomten/EPA
Joseph A. Scheuering/Blackbird Mine Site Group

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Comments on the Blackbird Mine Aquatic Ecological Risk Assessment Work Plan (Revision 1) prepared by CH2M Hill.

2. 1. 1. . Vol. 3 - DOC ID: 1153335
DATE: 1/18/2001 PAGES: 4
AUTHOR(S): Arthur J. Fleming/Golder Associates, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Response to EPA comments dated 11/11/00, regarding the Draft Spring 2000 Snow Melt Study, dated 9/14/00.

2. 1. 1. . Vol. 3 - DOC ID: 1138619
DATE: 2/6/2001 PAGES: 3
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S): David E. Jackson/Blackbird Mine Site Group
Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION: Letter providing an update on the status of the aquatic risk assessment and responding to the 1/9/01 letter regarding the revised Blackbird Mine Aquatic Ecological Risk Assessment Work Plan.

2. 1. 1. . Vol. 3 - DOC ID: 1152171
DATE: 2/7/2001 PAGES: 2
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S): David E. Jackson/David E. Jackson and Associates, Inc.
Joseph A. Scheuering/Noranda Mining, Inc.

DESCRIPTION: Letter regarding BMSG responses to EPA comments on the Draft Spring 2000 Snow Melt Study, responses dated 1/17/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152172
DATE: 3/2/2001 PAGES: 5
AUTHOR(S): Arthur J. Fleming/Golder Associates, Inc. ADDRESSEE(S): Unknown

DESCRIPTION: Response to 2/7/01 EPA comments regarding the 1/18/01 Response to 11/11/00 EPA Comments on the 9/14/00 Draft Spring 2000 Snow Melt Study, with 1/18/01 response document.

2. 1. 1. . Vol. 3 - DOC ID: 1152173
DATE: 4/3/2001 PAGES: 2
AUTHOR(S): Elton R. Modroo/Idaho Division of Environmental Quality ADDRESSEE(S): Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter with comments on the Draft Sampling and Analysis Plan for 2001 Blackbird Mine Site, dated 3/29/01.

2. 1. 1. . Vol. 3 - DOC ID: 1138285
DATE: 4/5/2001 PAGES: 9

AUTHOR(S):
Elton R. Modroo/Idaho Division of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Blackbird Mine Site Remedial Investigation, Volumes I and II, dated 2/28/01.

2. 1. 1. . Vol. 3 - DOC ID: 1138286
DATE: 4/6/2001 PAGES: 4

AUTHOR(S):
Helen Hillman/NOAA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Blackbird Mine Site Remedial Investigation, Volumes I and II, dated 2/28/01.

2. 1. 1. . Vol. 3 - DOC ID: 1138287
DATE: 4/10/2001 PAGES: 6

AUTHOR(S):
Gary L. Jackson/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Blackbird Mine Site Remedial Investigation, dated 2/28/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152222
DATE: 4/17/2001 PAGES: 6

AUTHOR(S):
Douglas Beltman/RCG/Hagler Bailly, Inc.

ADDRESSEE(S):
Suzanne Buntrock/U. S. Forest
Service

Eugene E. Farmer/U. S. Dept. of
Agriculture

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert H. Martin/U. S. Forest Service

Douglas Beltman/RCG/Hagler Bailly, Inc.

Helen Hilman/NOAA

Eugene E. Farmer/U. S. Dept. of
Agriculture

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert H. Martin/U. S. Forest Service

Douglas Beltman/RCG/Hagler Bailly, Inc.

Nick Iadanza/National Marine
Fisheries Service

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Eugene E. Farmer/U. S. Dept. of
Agriculture

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert H. Martin/U. S. Forest Service

Nick Iadanza/National Marine
Fisheries Service

Douglas Beltman/RCG/Hagler Bailly, Inc.

Gary L. Jackson/U. S. Forest
Service

Eugene E. Farmer/U. S. Dept. of
Agriculture

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert H. Martin/U. S. Forest Service

Douglas Beltman/RCG/Hagler Bailly, Inc.

Pete Peters/U. S. Forest Service

Eugene E. Farmer/U. S. Dept. of
Agriculture

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert H. Martin/U. S. Forest Service

DESCRIPTION:

Memorandum regarding review of Blackbird Mine Draft Remedial Investigation, dated 2/28/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152174
DATE: 4/19/2001 PAGES: 3

AUTHOR(S):
Pete Peters/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with comments on the Draft Final Report Technical Memorandum West Fork Tailings Embankment Stability Analysis Blackbird Mine Site, dated 3/9/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152175
DATE: 4/23/2001 PAGES: 3

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Supplemental comments to the Draft Blackbird Mine Site Remedial Investigation, prepared for the BMSG by Golder Associates, Inc., 2/28/01.

2. 1. 1. . Vol. 3 - DOC ID: 1153303
DATE: 4/27/2001 PAGES: 1

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):
Suzanne Buntrock/U. S. Forest
Service

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Helen Hillman/NOAA

Nick Iadanza/National Marine
Fisheries Service

Gary L. Jackson/U. S. Forest
Service

Pete Peters/U. S. Forest Service

DESCRIPTION:

Memorandum with comments on the Work Plan for Water Balance Collection, dated 3/23/2001.

2. 1. 1. . Vol. 3 - DOC ID: 1152176

DATE: 5/2/2001 PAGES: 6

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Responses to EPA Comments dated 4/19/01 on the Draft Report Sampling and Analysis Plan for 2001.

2. 1. 1. . Vol. 3 - DOC ID: 1138288

DATE: 5/10/2001 PAGES: 5

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
Fran Allans/EPA

Amy Lange/CH2M Hill, Inc.

DESCRIPTION:

Comments on the Draft Blackbird Mine Aquatic Ecological Risk Assessment Report, dated 4/27/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152177

DATE: 5/10/2001 PAGES: 8

AUTHOR(S):
Douglas Beltman/Stratus Consulting, Inc.

ADDRESSEE(S):
Fran Allans/EPA

Amy Lange/CH2M Hill, Inc.

DESCRIPTION:

Memorandum providing comments on the Draft Blackbird Mine Aquatic Ecological Risk Assessment (AREA) Report, dated 4/27/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152178

DATE: 5/11/2001 PAGES: 35

AUTHOR(S):
Theodore L. Garrett/Covington & Burling

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter regarding EPA review of Terrestrial Ecological Risk Assessment, with attached "Responses to: EPA Comments Dated April 17, 2001 on the Final Terrestrial Ecological Risk Assessment for Blackbird Mine Site."

2. 1. 1. . Vol. 3 - DOC ID: 1152179
DATE: 6/11/2001 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Letter with EPA only comments on the Work Plan, Water Balance Data Collection, prepared for the BMSG by Golder Associates, Inc., 3/23/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152224
DATE: 6/25/2001 PAGES: 6

AUTHOR(S):
Douglas Beltman/Stratus Consulting, Inc.

ADDRESSEE(S):
Tom Hesemann/Rocky Mountain
Consultants, Inc.
Pete Peters/U. S. Forest Service

DESCRIPTION:

Memorandum providing comments on 5/25/01 Draft Blackbird Mine AERA Report.

2. 1. 1. . Vol. 3 - DOC ID: 1152180
DATE: 6/26/2001 PAGES: 2

AUTHOR(S):
Robert G. Ruesink/U. S. Fish and Wildlife
Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter regarding Draft Aquatic Ecological Risk Assessment, Final Terrestrial Ecological Risk Assessment for Blackbird Mine Site; Covington & Burlington letter with responses to EPA comments on the Final Terrestrial Ecological Risk Assessment.

2. 1. 1. . Vol. 3 - DOC ID: 1138289
DATE: 6/29/2001 PAGES: 2

AUTHOR(S):
Helen Hillman/NOAA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comments on the Draft Aquatic Ecological Risk Assessment for the Blackbird Mine Site, dated 5/25/01.

2. 1. 1. . Vol. 3 - DOC ID: 1138620
DATE: 6/29/2001 PAGES: 57

AUTHOR(S):
David E. Jackson/Blackbird Mine Site
Group

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter transmitting the Blackbird Mine Site Group's (BMSG) technical review prepared by Golder Associates on the 5/25/01, Draft Aquatic Ecological Risk Assessment for the Blackbird Mine Site.

2. 1. 1. . Vol. 3 - DOC ID: 1138621
DATE: 7/27/2001 PAGES: 12

AUTHOR(S):
David E. Jackson/Blackbird Mine Site
Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting comments on the 7/17/01 revision of the Aquatic Ecological Risk Assessment for the Blackbird Mine Site.

2. 1. 1. . Vol. 3 - DOC ID: 1152181
DATE: 7/27/2001 PAGES: 2

AUTHOR(S):
Arthur J. Fleming/Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Response to EPA comments dated 6/11/01 regarding the Work Plan, Water Balance Data Collection, prepared for the BMSG by Golder Associates, Inc., dated 3/23/01.

2. 1. 1. . Vol. 3 - DOC ID: 1138290
DATE: 8/3/2001 PAGES: 5

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Comment on the "Feeding Habits of Juvenile Chinook Salmon," 7/27/01 addendum to Blackbird Mine Site Group's comments on the Aquatic Ecological Risk Assessment.

2. 1. 1. . Vol. 3 - DOC ID: 1138587
DATE: 8/3/2001 PAGES: 20

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
Carolyn L. Fordham/Terra
Technologies

DESCRIPTION:

Memo commenting on and transmitting Golder's cobalt toxicity tests and HydroQual's data and correspondence.

2. 1. 1. . Vol. 3 - DOC ID: 1152228
DATE: 8/3/2001 PAGES: 4

AUTHOR(S):
Douglas Beltman/Stratus Consulting, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum providing comments, on behalf of the USDA Forest Service, regarding the 7/17/01 Aquatic Ecological Risk Assessment for Blackbird Mine Site.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 3 - DOC ID: 1138291
DATE: 8/6/2001 PAGES: 11

AUTHOR(S):
Chris Mebane/Idaho Dept. of Environmental
Quality

ADDRESSEE(S):
Unknown

DESCRIPTION:
Review of the Aquatic Ecological Risk Assessment of the Blackbird Mine Site, prepared by
CH2M Hill.

2. 1. 1. . Vol. 3 - DOC ID: 1152225
DATE: 8/16/2001 PAGES: 1

AUTHOR(S):
Betsy Rieffenberger/Unknown

ADDRESSEE(S):
John G. Lincoln/CH2M Hill, Inc.

DESCRIPTION:
Email version of comments on the Revegetation Plan at Cobalt Townsite.

2. 1. 1. . Vol. 3 - DOC ID: 1152229
DATE: 8/17/2001 PAGES: 1

AUTHOR(S):
Bob Martin/Martin & Associates

ADDRESSEE(S):
Tom Hesemann/Rocky Mountain
Consultants, Inc.

DESCRIPTION:
Memorandum with review of Draft Remedial Action Objectives and Preliminary Remediation
Goals for the Blackbird Mine Site, dated 8/10/01.

2. 1. 1. . Vol. 3 - DOC ID: 1138292
DATE: 8/22/2001 PAGES: 3

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Robert Martin/Rocky Mountain Consultants,
Inc.
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Robert Martin/Rocky Mountain Consultants,
Inc.
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Robert Martin/Rocky Mountain Consultants,
Inc.
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Robert Martin/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):
Suzanne Buntrock/U. S. Forest
Service

Helen Hillman/NOAA

Nick Iadanza/National Marine
Fisheries Service

Pete Peters/U. S. Forest Service

DESCRIPTION:
Review of the Blackbird Mine Draft Remedial Investigation, dated 7/24/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152226
DATE: 8/22/2001 PAGES: 4

AUTHOR(S):
ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Douglas Beltman/Stratus Consulting, Inc.

Fran Allans/EPA

DESCRIPTION:

Memorandum providing comments on Cobalt TRV position paper.

2. 1. 1. . Vol. 3 - DOC ID: 1153304
DATE: 8/22/2001 PAGES: 3

AUTHOR(S):

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert Martin/Rocky Mountain Consultants,
Inc.

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert Martin/Rocky Mountain Consultants,
Inc.

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert Martin/Rocky Mountain Consultants,
Inc.

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Robert Martin/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):

Suzanne Buntrock/U. S. Forest
Service

Helen Hillman/NOAA

Nick Iadanza/National Marine
Fisheries Service

Pete Peters/U. S. Forest Service

DESCRIPTION:

Memorandum reviewing the Blackbird Mine, Draft Remedial Investigation, dated 7/24/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152182
DATE: 9/5/2001 PAGES: 14

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

David E. Jackson/David E. Jackson
and Associates, Inc.

Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Letter transmitting comments on the Draft Final Report, Blackbird Mine Site Remedial Investigation, prepared for the BMSG by Golder Associates, Inc., 7/24/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152183
DATE: 9/13/2001 PAGES: 2

AUTHOR(S):

Fran Allans/EPA

ADDRESSEE(S):

David E. Jackson/David E. Jackson
and Associates, Inc.

Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Review of the Final Report, Sampling and Analysis Plan for 2001, prepared for the BMSG by Golder Associates, Inc., 8/30/01.

2. 1. 1. . Vol. 3 - DOC ID: 1138603
DATE: 10/2/2001 PAGES: 4

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

David E. Jackson/Blackbird Mine Site Group

Fran Allans/EPA

Dan Myers/Blackbird Mine Site Group

DESCRIPTION:

Comments on EPA's remedial action objectives (RAO's), preliminary remediation goals (PRG's) and risk assessments for Blackbird Mine.

2. 1. 1. . Vol. 3 - DOC ID: 1152185
DATE: 10/9/2001 PAGES: 21

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Responses to EPA comments dated 9/5/01 and 9/20/01 on the Blackbird Mine Draft Final Remedial Investigation Report.

2. 1. 1. . Vol. 3 - DOC ID: 1152186
DATE: 11/5/2001 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Comments on the Feasibility Study Approach for Materials along Blackbird Creek, revised Blackbird Creek sampling data was reviewed in the field, 10/29/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152187
DATE: 11/19/2001 PAGES: 12

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Roy Spitzer/Rocky Mountain Consultants,
Inc.
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Roy Spitzer/Rocky Mountain Consultants,
Inc.
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Roy Spitzer/Rocky Mountain Consultants,
Inc.
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Roy Spitzer/Rocky Mountain Consultants,
Inc.
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Roy Spitzer/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):
Fran Allans/EPA

Suzanne Buntrock/U. S. Forest
Service

Helen Hillman/NOAA

Nick Iadanza/National Marine
Fisheries Service

Pete Peters/U. S. Forest Service

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Memorandum documenting 10/17/01 Underground Inspection, 6930-6850 Adit, Blackbird Mine, (with one additional addressee).

2. 1. 1. . Vol. 3 - DOC ID: 1152188
DATE: 12/11/2001 PAGES: 5

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Letter regarding potential gaps in data for Blackbird Mine Site Winter Cobalt Concentrations in Blackbird Creek and Panther Creek, with data table and figures.

2. 1. 1. . Vol. 3 - DOC ID: 1152189
DATE: 12/27/2001 PAGES: 4

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Comments on the Final RI replacement pages, prepared for the BMSG by Golder Associates, Inc., 11/30/01.

2. 1. 1. . Vol. 3 - 1095997 DOC ID: 1095997
DATE: 12/28/2001 PAGES: 4

AUTHOR(S):
David E. Jackson/Blackbird Mine Site
Group
Dan Myers/Blackbird Mine Site Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting Golder's draft Focused Feasibility Study (FS) Report for the Blackbird Mine Site with Blackbird Mine Site Group (BMSG) comments, (less enclosure).

2. 1. 1. . Vol. 3 - DOC ID: 1152190
DATE: 12/31/2001 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Letter with Supplemental Comment regarding Table 3.3 of the Final RI replacement pages, prepared for the BMSG by Golder Associates, Inc., 11/30/01.

2. 1. 1. . Vol. 3 - DOC ID: 1138994
DATE: 1/15/2002 PAGES: 5

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Eugene E. Farmer/U. S. Dept. of
Agriculture

Suzanne Buntrock/U. S. Forest
Service

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Eugene E. Farmer/U. S. Dept. of
Agriculture

Helen Hillman/NOAA

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Eugene E. Farmer/U. S. Dept. of
Agriculture

Nick Iadanza/National Marine
Fisheries Service

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Eugene E. Farmer/U. S. Dept. of
Agriculture

Pete Peters/U. S. Forest Service

Tom Hesemann/Rocky Mountain Consultants,
Inc.

DESCRIPTION:

Memorandum with NRDA Trustee, Salmon-Challis National Forest comments on the Draft Focused Feasibility Study for the Blackbird Mine Site, dated 12/28/01

2. 1. 1. . Vol. 3 - DOC ID: 1152192
DATE: 1/18/2002 PAGES: 6

AUTHOR(S):
Patricia McGrath/EPA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum with comments on the Draft Focused Feasibility Study for Blackbird Mine Site, dated 12/28/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152193
DATE: 1/22/2002 PAGES: 33

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Letter transmitting EPA comments, in consultation with the State and Trustees, on the Draft Focused Feasibility Study, prepared for BMSG by Golder Associates, Inc., 12/28/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152194
DATE: 1/23/2002 PAGES: 9

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Supplemental comments on the Draft Focused Feasibility Study, prepared for the BMSG by Golder Associates, Inc., 12/28/01.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 3 - DOC ID: 1152191
DATE: 1/25/2002 PAGES: 5

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants,
Inc.
Robert H. Martin/U. S. Forest Service

ADDRESSEE(S):
Suzanne Buntrock/U. S. Forest
Service

Tom Hesemann/Rocky Mountain Consultants,
Inc.
Robert H. Martin/U. S. Forest Service

Helen Hillman/NOAA

Tom Hesemann/Rocky Mountain Consultants,
Inc.
Robert H. Martin/U. S. Forest Service

Nick Iadanza/National Marine
Fisheries Service

Tom Hesemann/Rocky Mountain Consultants,
Inc.
Robert H. Martin/U. S. Forest Service

Pete Peters/U. S. Forest Service

DESCRIPTION:

Memorandum with NRDA Trustee, Salmon-Challis National Forest comments on the Draft Focused Feasibility Study for the Blackbird Mine Site, dated 12/28/01, with handwritten message from Peters and fax date of 1/25/02.

2. 1. 1. . Vol. 3 - DOC ID: 1152195
DATE: 1/29/2002 PAGES: 49

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Response to EPA Comments Dated 1/21/02, and Response to EPA's Supplemental Comments Dated 1/23/02, Regarding the Draft Focused Feasibility Study, prepared for the BMSG by Golder Associates, Inc., 12/28/01.

2. 1. 1. . Vol. 3 - DOC ID: 1152230
DATE: 2/6/2002 PAGES: 1

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):
Suzanne Buntrock/U. S. Forest
Service
Helen Hillman/NOAA

Nick Iadanza/National Marine
Fisheries Service
Pete Peters/U. S. Forest Service

Elton R. Modroo/Idaho Dept. of
Environmental Quality

DESCRIPTION:

Memorandum with review of Blackbird Mine Site Remedial Investigation Addendum, 2001 Sample Results, dated 1/8/02.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 3 - DOC ID: 1138998
DATE: 2/8/2002 PAGES: 1

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):
Suzanne Buntrock/U. S. Forest
Service
Helen Hillman/NOAA

Nick Iadanza/National Marine
Fisheries Service
Pete Peters/U. S. Forest Service

Elton R. Modroo/Idaho Dept. of
Environmental Quality

DESCRIPTION: Memorandum with NRDA Trustee, Salmon-Challis National Forest comments on the Blackbird Mine Site Remedial Investigation Addendum, 2001 Sample Results, dated 1/8/02, with handwritten note at top of the page from Peters.

2. 1. 1. . Vol. 3 - DOC ID: 1152196
DATE: 2/14/2002 PAGES: 6

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION: Comments with input from the State and Trustees regarding Remedial Investigation Addendum, 2001 Sample Results, prepared for the BMSG by Golder Associates, Inc., 1/8/02.

2. 1. 1. . Vol. 3 - DOC ID: 1152197
DATE: 2/14/2002 PAGES: 9

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION: Response to Comments dated 2/14/02 on Remedial Investigation Addendum, 2001 Sample Results, prepared for the BMSG by Golder Associates, Inc., 1/8/02.

2. 1. 1. . Vol. 3 - DOC ID: 1152231
DATE: 3/4/2002 PAGES: 1

AUTHOR(S):
Pete Peters/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Email with comments on 2/27/02 Panther Creek Overbank Removal Report.

2. 1. 1. . Vol. 3 - DOC ID: 1152198
DATE: 3/14/2002 PAGES: 2

AUTHOR(S):
Tom Hesemann/Rocky Mountain Consultants,
Inc.

ADDRESSEE(S):
Suzanne Buntrock/U. S. Forest
Service

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Tom Hesemann/Rocky Mountain Consultants,
Inc.

Pete Peters/U. S. Forest Service

Sharmian White/U. S. Dept. of
Agriculture

DESCRIPTION:

Memorandum with comments and concerns regarding the Draft Final Focused Feasibility Study for the Blackbird Mine Site, dated 3/1/02.

2. 1. 1. . Vol. 3 - DOC ID: 1152199
DATE: 3/14/2002 PAGES: 3

AUTHOR(S):
U. S. Forest Service

ADDRESSEE(S):
Unknown

DESCRIPTION:

Blackbird Mine Draft Final Feasibility Study, USFS technical/editorial comments.

2. 1. 1. . Vol. 3 - DOC ID: 1152200
DATE: 3/18/2002 PAGES: 1

AUTHOR(S):
Elton R. Modroo/Idaho Dept. of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with comments on the Sampling and Analysis Plan for 2002 Blackbird Mine Site, dated 3/12/02.

2. 1. 1. . Vol. 3 - DOC ID: 1152201
DATE: 3/18/2002 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Dept. of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with comments on the Draft Final Focused Feasibility Study for the Blackbird Mine Site.

2. 1. 1. . Vol. 3 - DOC ID: 1138604
DATE: 3/19/2002 PAGES: 12

AUTHOR(S):
David E. Jackson/Blackbird Mine Site
Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting the Review of USEPA's Cobalt Toxicity Reference Value Position Paper by S. Hansen, dated 8/14/01.

2. 1. 1. . Vol. 3 - DOC ID: 1138612
DATE: 3/21/2002 PAGES: 6

AUTHOR(S):
George Matejko/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Forest Service comments and Rocky Mountain Consultants' comments (by Hesemann, dated 3/14/02), on the 3/1/02 Draft Final Feasibility Study for the Blackbird Mine Site.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 3 - DOC ID: 1152202
DATE: 3/25/2002 PAGES: 2

AUTHOR(S):
Nick Iadanza/National Marine Fisheries
Service

ADDRESSEE(S):
Carolyn L. Fordham/Terra
Technologies

DESCRIPTION:

Email with comments on Dr. Hansen's review regarding the uncertainty factor and strains of fish used in Hydroqual study. Email is responding to Fordham's email forwarding, electronically, her presentation regarding cobalt.

2. 1. 1. . Vol. 3 - DOC ID: 1152203
DATE: 3/25/2002 PAGES: 5

AUTHOR(S):
Douglas Beltman/RCG/Hagler Bailly, Inc.

ADDRESSEE(S):
Pete Peters/U. S. Forest Service

Jim Hansen/Unknown

DESCRIPTION:

Memorandum presenting comments on 3/15/02 Review of USEPA's Cobalt Toxicity Reference Value Position Paper, prepared by S.R. Hansen for the BMSG.

2. 1. 1. . Vol. 3 - DOC ID: 1152204
DATE: 4/1/2002 PAGES: 5

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Letter with supplemental comments, including input from the State of Idaho, on the Draft Final, Focused Feasibility Study, prepared for the BMSG by Golder Associates, Inc., 3/1/02.

2. 1. 1. . Vol. 3 - DOC ID: 1153336
DATE: 4/1/2002 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION:

Comments regarding the Draft, Sampling and Analysis Plan for 2002 - Spring Sampling, prepared for the BMSG by Golder Associates, Inc., 3/12/02.

2. 1. 1. . Vol. 3 - DOC ID: 1152205
DATE: 4/12/2002 PAGES: 3

AUTHOR(S):
Patricia McGrath/EPA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum with comments on the outline, submitted by email on 3/25/02, for Appendix B of the Blackbird Mine Feasibility Study (FS).

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 1. 1. . Vol. 3 - DOC ID: 1138613
DATE: 4/19/2002 PAGES: 2

AUTHOR(S):
George Matejko/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Follow up letter to 3/21/02 letter regarding the Draft Final Feasibility Study for the Blackbird Mine Site.

2. 1. 1. . Vol. 3 - DOC ID: 1138605
DATE: 4/22/2002 PAGES: 4

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
David E. Jackson/Blackbird Mine
Site Group
Dan Myers/Blackbird Mine Site Group

DESCRIPTION:

Memorandum addressing Blackbird Mine Site Group's (BMSG) proposal to use biomonitoring as a way to test concentrations of cobalt found in Panther Creek.

2. 1. 1. . Vol. 3 - DOC ID: 1138499
DATE: 5/16/2002 PAGES: 2

AUTHOR(S):
Elton R. Modroo/Idaho Dept. of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum with sample results of a collection taken on 4/10/02 along the Blackbird Mine flood plain adjacent to the Panther Creek Inn, with sketched map to show locations.

2. 1. 1. . Vol. 3 - DOC ID: 1138614
DATE: 5/20/2002 PAGES: 2

AUTHOR(S):
George Matejko/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter with specific U. S. Forest Service/Rocky Mountain Consultants comments on the 4/26/02, Draft 2002 Remedial Design of Blackbird Creek Overbank Removal Actions, Blackbird Mine Site.

2. 1. 1. . Vol. 3 - DOC ID: 1152206
DATE: 5/28/2002 PAGES: 3

AUTHOR(S):
Patricia McGrath/EPA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memorandum with comments on Appendix B NPDES and Mixing Zone Evaluations, 5/15/02 of the Blackbird Mine Feasibility Study (FS).

2. 1. 1. . Vol. 3 - DOC ID: 1138615
DATE: 6/4/2002 PAGES: 1

AUTHOR(S):
George Matejko/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Clarification of the U. S. Forest Service's position after review of the recently completed in-stream mixing zone analysis and the modified proposed alternative BT-3.

2. 1. 1. . Vol. 3 - DOC ID: 1152207
DATE: 6/6/2002 PAGES: 4
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Unknown

DESCRIPTION:

Response to EPA Comments dated 5/30/02 on the Technical Memorandum, 2001 Panther Creek Overbank Removal, prepared for the BMSG by Golder Associates, Inc., 2/27/02.

2. 1. 1. . Vol. 3 - DOC ID: 1152208
DATE: 6/11/2002 PAGES: 5
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Unknown

DESCRIPTION:

Response to EPA Comments dated 5/30/02 on the Technical Memorandum, 2001 Panther Creek Overbank Removal, prepared for the BMSG by Golder Associates, Inc., 2/27/02.

2. 1. 1. . Vol. 3 - DOC ID: 1152209
DATE: 7/25/2002 PAGES: 3
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S): David E. Jackson/David E. Jackson and Associates, Inc.
Daniel L. Myers/Noranda Minerals, Inc.

DESCRIPTION:

Letter with comments on the Final Focused Feasibility Study for the Blackbird Mine Site, prepared for the BMSG by Golder Associates, Inc., 6/21/02.

2. 1. 1. . Vol. 3 - DOC ID: 1153337
DATE: 9/16/2002 PAGES: 2
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S): David E. Jackson/David E. Jackson and Associates, Inc.
Daniel L. Myers/Noranda Minerals, Inc.

DESCRIPTION:

Comments regarding the Final Sampling and Analysis Plan, 2002 Addendum for Fall Sampling, prepared for the BMSG by Golder Associates, Inc., 9/10/02.

2. 1. 1. . Vol. 3 - DOC ID: 1153111
DATE: 9/26/2002 PAGES: 5
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S): David E. Jackson/David E. Jackson and Associates, Inc.
Daniel L. Myers/Noranda Minerals, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter requesting additional soil sampling be done at properties along Panther Creek.

2. 1. 1. . . Vol. 3 - DOC ID: 1153358
DATE: 10/10/2002 PAGES: 2
AUTHOR(S): Fran Allans/EPA
ADDRESSEE(S):
David E. Jackson/David E. Jackson
and Associates, Inc.
Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION: Comments on the Draft Sampling and Analysis Plan for Fall 2002 Panther Creek Private Residence Soil Sampling, prepared for the BMSG by Golder Associates, Inc., 10/7/02.

2. 1. 1. . . Vol. 3 - DOC ID: 1153284
DATE: 11/25/2002 PAGES: 3
AUTHOR(S): Robert G. Ruesink/U. S. Fish and Wildlife
Service
ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Letter with comments regarding Section 7 Consultation for the Final Remedial Actions at Blackbird Mine Site, Lemhi County, Idaho.

2. 1. 1. . . Vol. 3 - DOC ID: 1153285
DATE: 12/17/2002 PAGES: 3
AUTHOR(S): D. Robert Lohn/National Marine Fisheries
Service
ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Letter responding to the 9/26/02 EPA letter transmitting the biological assessment and requesting Endangered Species Act consultation and Magnuson-Stevens Fishery Conservation and Management Act consultation on the subject action.

SUB-HEAD: 2. 2. . . Vol. 1 - Work Plan

2. 2. . . Vol. 1 - 1085848 DOC ID: 1085848
DATE: 11/27/1996 PAGES: 198
AUTHOR(S): Golder Associates, Inc.
ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION: Focused Remedial Investigation and Feasibility Study Workplan Addendum.

2. 2. . . Vol. 1 - DOC ID: 1138910
DATE: 3/31/2000 PAGES: 6
AUTHOR(S): Golder Associates, Inc.
ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION: Final Appendix A: Ditch Effectiveness Analysis for the Work Plan, Spring 2000 Snow Melt Study.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 2. . . . Vol. 1 - DOC ID: 1138420
DATE: 9/14/2000 PAGES: 20

AUTHOR(S):
Arthur J. Fleming/Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

Catherine R. Smith/Golder Associates,
Inc.

DESCRIPTION: Draft Spring 2000 Snow Melt Study.

2. 2. . . . Vol. 1 - DOC ID: 1138421
DATE: 10/5/2000 PAGES: 10

AUTHOR(S):
Arthur J. Fleming/Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

Catherine R. Smith/Golder Associates,
Inc.

DESCRIPTION: Revised Work Plan, 2000 West Fork Tailings Impoundment.

2. 2. . . . Vol. 1 - DOC ID: 1153338
DATE: 10/24/2000 PAGES: 23

AUTHOR(S):
CH2M Hill, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION: Blackbird Mine Aquatic Ecological Risk Assessment Work Plan.

2. 2. . . . Vol. 1 - DOC ID: 1138500
DATE: 2/6/2001 PAGES: 26

AUTHOR(S):
CH2M Hill, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION: Blackbird Mine Aquatic Ecological Risk Assessment Work Plan.

2. 2. . . . Vol. 1 - DOC ID: 1138422
DATE: 12/5/2001 PAGES: 14

AUTHOR(S):
Arthur J. Fleming/Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION: Final Work Plan for the Water Balance Data Collection.

SUB-HEAD: 2. 3. . . . Vol. 1 - Sampling and Analysis Plans

2. 3. . . . Vol. 1 - 1091949 DOC ID: 1091949
DATE: 4/10/1998 PAGES: 34

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Sampling and Analysis Plan - Early Action Effectiveness Monitoring.

2. 3. . . . Vol. 1 - DOC ID: 1138501
DATE: 11/10/1999 PAGES: 123
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Work Plan and Sampling and Analysis Plan for the Terrestrial Ecological Risk Assessment, Blackbird Mine.

2. 3. . . . Vol. 1 - DOC ID: 1138219
DATE: 8/30/2001 PAGES: 15
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Final Report for the Sampling and Analysis Plan for 2001, Blackbird Mine Site, with transmittal letter dated 8/31/01 from D. Dunster to F. Allans.

SUB-HEAD: 2. 6. . . . Vol. 1 - Applicable or Relevant and Appropriate Requirements (ARAR's)

2. 6. . . . Vol. 1 - DOC ID: 1153363
DATE: 12/1/1999 PAGES: 175
AUTHOR(S): EPA ADDRESSEE(S): National Marine Fisheries Service
U. S. Fish and Wildlife Service

DESCRIPTION: Biological Assessment of the Idaho Water Quality Standards for Numeric Water Quality Criteria for Toxic Pollutants.

2. 6. . . . Vol. 1 - DOC ID: 1153353
DATE: 2/25/2003 PAGES: 8
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S): File
Cynthia L. Mackey/EPA

DESCRIPTION: Memo regarding Blackbird Mine Site Surface Water Quality ARARs.

SUB-HEAD: 2. 7. . . . Vol. 1 - RI/FS Reports

SUB-HEAD: 2. 7. 1. . . . Vol. 1 - Remedial Investigation Reports

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 7. 1. . . Vol. 1 - DOC ID: 1095981
DATE: 11/1/2001 PAGES: 910
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Final Blackbird Mine Remedial Investigation, (Volume I: Text, Tables & Figures).

SUB-HEAD: 2. 7. 1. . Vol. 2 - Remedial Investigation Reports

2. 7. 1. . . Vol. 2 - DOC ID: 1095982
DATE: 11/1/2001 PAGES: 370
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Final Blackbird Mine Remedial Investigation Report, (Volume II: Plates & Appendices).

SUB-HEAD: 2. 7. 1. . Vol. 3 - Remedial Investigation Reports

2. 7. 1. . . Vol. 3 - DOC ID: 1138428
DATE: 5/10/2002 PAGES: 329
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Final Blackbird Mine Site, Remedial Investigation Addendum - 2001 Sample Results.

SUB-HEAD: 2. 7. 2. . Vol. 1 - Feasibility Study Reports

2. 7. 2. . . Vol. 1 - DOC ID: 1138531
DATE: 6/21/2002 PAGES: 763
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Final Focused Feasibility Study for the Blackbird Mine Site.

SUB-HEAD: 2. 8. . . Vol. 1 - Other Technical Reports

2. 8. . . Vol. 1 - 1057110 DOC ID: 1057110
DATE: 8/3/1995 PAGES: 18
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Technical Memorandum: Evaluation of Previous Modeling Efforts - Blackbird Mine Site Remedial Investigation/Feasibility Study.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 8. . . . Vol. 1 - DOC ID: 1152214
DATE: 11/9/1995 PAGES: 12
AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Christopher A. Beaverson/NOAA

Suzanne Buntrock/U. S. Forest
Service
Doug Dunster/Golder Associates,
Inc.
Nick Iadanza/National Marine
Fisheries Service
David E. Jackson/Dames & Moore

DESCRIPTION: Memorandum transmitting comments and 9/14/95 memo from Klima and Ohlendorf to Goudey, Marr, Stanaway, Shelton and Heinle, regarding Blackbird cobalt aquatic bioassay design, with test conditions tables.

2. 8. . . . Vol. 1 - 1068975 DOC ID: 1068975
DATE: 4/25/1996 PAGES: 6
AUTHOR(S):
Doug Dunster/Golder Associates, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Letter discussing and transmitting the final revision to the cobalt toxicity test.

2. 8. . . . Vol. 1 - DOC ID: 1152219
DATE: 8/28/1996 PAGES: 9
AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION: Appendix B: Proposed Approach for Determining Water-Effects Ratios for Copper.

2. 8. . . . Vol. 1 - DOC ID: 1057085
DATE: 8/30/1996 PAGES: 39
AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Noranda Mining, Inc.

DESCRIPTION: Preliminary Draft Report, Diversion Ditch Effectiveness Evaluation, Blackbird Mine Site, Idaho.

2. 8. . . . Vol. 1 - 1057111 DOC ID: 1057111
DATE: 9/16/1996 PAGES: 10
AUTHOR(S):
HydroQual Laboratories, Ltd.

ADDRESSEE(S):
Golder Associates, Inc.

DESCRIPTION: Preliminary Water Effects Ratio (WER) Test #1 on Copper.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

2. 8. . . Vol. 1 - 1057112 DOC ID: 1057112
DATE: 10/3/1996 PAGES: 10
AUTHOR(S): HydroQual Laboratories, Ltd. ADDRESSEE(S): Golder Associates, Inc.

DESCRIPTION: Preliminary Water Effects Ratio (WER) Test #2 on Copper.

2. 8. . . Vol. 1 - 1068976 DOC ID: 1068976
DATE: 12/10/1996 PAGES: 177
AUTHOR(S): HydroQual Laboratories, Ltd. ADDRESSEE(S): Golder Associates, Inc.

DESCRIPTION: Report-Flow Through Chronic Growth Test on Rainbow Trout Exposed to Sublethal Cobalt Concentrations in Panther Creek Water.

2. 8. . . Vol. 1 - 1068249 DOC ID: 1068249
DATE: 3/17/1997 PAGES: 339
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Final Report: 1996 Early Action Field Investigations-Blackbird Mine Site.

SUB-HEAD: 2. 8. . . Vol. 2 - Other Technical Reports (4/07/97 - 2/11/00)

2. 8. . . Vol. 2 - DOC ID: 1152215
DATE: 4/7/1997 PAGES: 6
AUTHOR(S): J. Stephen Goudey/Unknown ADDRESSEE(S): Doug Dunster/Golder Associates, Inc.

DESCRIPTION: Transmittal of additional information on the cobalt acute tests.

2. 8. . . Vol. 2 - DOC ID: 1152216
DATE: 5/14/1997 PAGES: 22
AUTHOR(S): Ken Brettmann/Golder Associates, Inc. ADDRESSEE(S): File

Doug Dunster/Golder Associates, Inc.

DESCRIPTION: Memorandum regarding Cobalt Concentrations Following Implementation of Early Actions.

2. 8. . . Vol. 2 - DOC ID: 1138835
DATE: 7/9/1997 PAGES: 3
AUTHOR(S): Don Heinle/CH2M Hill, Inc. ADDRESSEE(S): Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Memorandum: Basis for Possible Chronic Criterion for Cobalt in Panther Creek.

2. 8. . . Vol. 2 - DOC ID: 1138571
DATE: 9/1/1997 PAGES: 167
AUTHOR(S): Chris Mebane/Idaho Division of Environmental Quality
ADDRESSEE(S): EPA
Idaho Division of Environmental Quality

DESCRIPTION: Use Attainability Analysis for Blackbird Creek and West Fork Blackbird Creek.

2. 8. . . Vol. 2 - 1098814 DOC ID: 1098814
DATE: 3/6/1998 PAGES: 72
AUTHOR(S): Golder Associates, Inc.
ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Technical Memorandum Evaluation of West Fork Tailings Impoundment - Blackbird Mine Site.

2. 8. . . Vol. 2 - DOC ID: 1138423
DATE: 3/27/1998 PAGES: 88
AUTHOR(S): Golder Associates, Inc.
ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: 1997 Data Summary Report, Miscellaneous Data, Early Action and Remedial Investigation, Blackbird Mine Site.

2. 8. . . Vol. 2 - DOC ID: 1153362
DATE: 6/24/1998 PAGES: 10
AUTHOR(S): John G. Lincoln/CH2M Hill, Inc.
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Summary of Potential Human Health Risks Associated with Fish Ingestion, Drinking Water, and Water Recreation on Panther Creek.

2. 8. . . Vol. 2 - DOC ID: 1152217
DATE: 9/10/1998 PAGES: 117
AUTHOR(S): Agency for Toxic Substances and Disease Registry
ADDRESSEE(S): Unknown

DESCRIPTION: Exposure Investigation Report, Blackbird Mine (a/k/a Panther Creek), Cobalt, Lemhi County, Idaho, CERCLIS No. IDD980725832.

2. 8. . . Vol. 2 - DOC ID: 1153313
DATE: 2/22/1999 PAGES: 6
AUTHOR(S):
ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

John G. Lincoln/CH2M Hill, Inc.

Fran Allans/EPA

DESCRIPTION:

Memorandum regarding Potential for Significant Contamination from Blackbird Mine along Panther Creek Road, with table of sampling results from Panther Creek Road.

2. 8. . . . Vol. 2 - DOC ID: 1153339
 DATE: 2/25/1999 PAGES: 29

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION:

Draft Report, Sampling Plan to Evaluate the Need for Sediment Removal and Bank Stabilization, Blackbird Mine Site.

2. 8. . . . Vol. 2 - DOC ID: 1138424
 DATE: 2/11/2000 PAGES: 43

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION:

Revised Ditch Effectiveness Analysis.

SUB-HEAD: 2. 8. . . . Vol. 3 - Other Technical Reports (6/16/00 - 11/01/00)

2. 8. . . . Vol. 3 - DOC ID: 1138220
 DATE: 6/16/2000 PAGES: 424

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION:

1999 Remedial Investigation Data Summary Report and Sampling and Analysis Plan.

2. 8. . . . Vol. 3 - 1095983 DOC ID: 1095983
 DATE: 11/1/2000 PAGES: 662

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION:

Final Terrestrial Ecological Risk Assessment for Blackbird Mine/Panther Creek, Lehmi County, Idaho, (Volume I - Assessment).

SUB-HEAD: 2. 8. . . . Vol. 4 - Other Technical Reports (11/01/00 - 8/27/01)

2. 8. . . . Vol. 4 - 1095984 DOC ID: 1095984
 DATE: 11/1/2000 PAGES: 86

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Final Terrestrial Ecological Risk Assessment for Blackbird Mine/Panther Creek, Lemhi County, Idaho, (Volume II - Maps).

2. 8. . . . Vol. 4 - DOC ID: 1138425
DATE: 3/27/2001 PAGES: 32

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION:

Technical Memorandum: 2000 Panther Creek Overbank Removal.

2. 8. . . . Vol. 4 - DOC ID: 1138426
DATE: 5/11/2001 PAGES: 35

AUTHOR(S):
Arthur J. Fleming/Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

Catherine R. Smith/Golder Associates,
Inc.

DESCRIPTION:

Final Post Fire Report, Blackbird Mine Site, Cobalt, Idaho.

2. 8. . . . Vol. 4 - DOC ID: 1138221
DATE: 8/14/2001 PAGES: 11

AUTHOR(S):
CH2M Hill, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION:

Cobalt Toxicity Reference Value Position Paper.

2. 8. . . . Vol. 4 - DOC ID: 1138222
DATE: 8/27/2001 PAGES: 343

AUTHOR(S):
CH2M Hill, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION:

Final Aquatic Ecological Risk Assessment Report, Blackbird Mine Site.

SUB-HEAD: 2. 8. . . . Vol. 5 - Other Technical Reports (9/07/01 - 2/01/02)

2. 8. . . . Vol. 5 - DOC ID: 1138554
DATE: 9/7/2001 PAGES: 54

AUTHOR(S):
CH2M Hill, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION:

Technical Memorandum: Remedial Action Objectives and Preliminary Remediation Goals for the Blackbird Mine Site.

2. 8. . . . Vol. 5 - DOC ID: 1153340
DATE: 10/10/2001 PAGES: 374

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Arthur J. Fleming/Golder Associates, Inc.

Unknown

Richard Luark/Golder Associates, Inc.

DESCRIPTION:

Final Report, West Fork Tailings Embankment Stability Analysis, Blackbird Mine Site Early Actions, with updated page for Appendix C, dated 12/19/01.

2. 8. . . . Vol. 5 - DOC ID: 1153341
DATE: 12/18/2001 PAGES: 17

AUTHOR(S):
Arthur J. Fleming/Golder Associates, Inc.

ADDRESSEE(S):
Unknown

Richard Luark/Golder Associates, Inc.

DESCRIPTION:

Amendment 1, replacement text for the Final Report, West Fork Tailings Embankment Stability Analysis, Blackbird Mine Site.

2. 8. . . . Vol. 5 - DOC ID: 1138572
DATE: 2/1/2002 PAGES: 199

AUTHOR(S):
Chris Mebane/Idaho Dept. of Environmental
Quality

ADDRESSEE(S):
Unknown

DESCRIPTION:

Use Attainability Analysis for Bucktail Creek.

SUB-HEAD: 2. 8. . . . Vol. 6 - Other Technical Reports (3/13/02 - Present)

2. 8. . . . Vol. 6 - DOC ID: 1138318
DATE: 3/13/2002 PAGES: 285

AUTHOR(S):
CH2M Hill, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION:

Final Site-Wide Baseline Human Health Risk Assessment Report for the Blackbird Mine Site.

2. 8. . . . Vol. 6 - DOC ID: 1153109
DATE: 3/27/2002 PAGES: 37

AUTHOR(S):
Carolyn L. Fordham/CH2M Hill, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Presentation by Dr. Carolyn Fordham at 3/27/02 meeting with the Blackbird Mine Site Group and Trustees regarding Cobalt Water Quality Preliminary Remedial Goal (PRG) for the Blackbird Mine Site, Idaho.

2. 8. . . . Vol. 6 - DOC ID: 1138608
DATE: 4/4/2002 PAGES: 2

AUTHOR(S):

ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Stella Swanson/Golder Associates, Inc.

Doug Dunster/Golder Associates,
Inc.

Paul Wagner/Golder Associates, Inc.

DESCRIPTION:

Memorandum regarding Blackbird Fish Monitoring Period.

2. 8. . . . Vol. 6 - DOC ID: 1138547
DATE: 6/26/2002 PAGES: 56

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Blackbird Mine Site Group

DESCRIPTION:

Technical Memorandum: 2001 Panther Creek Overbank Removal.

2. 8. . . . Vol. 6 - DOC ID: 1138555
DATE: 6/27/2002 PAGES: 6

AUTHOR(S):
Brad Sample/CH2M Hill, Inc.

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Technical Memorandum: Potential Risks to Selected Domestic Animals from Residual Arsenic in the Vicinity of Panther Creek Inn.

2. 8. . . . Vol. 6 - DOC ID: 1138556
DATE: 7/1/2002 PAGES: 21

AUTHOR(S):
CH2M Hill, Inc.

ADDRESSEE(S):
EPA

DESCRIPTION:

Addendum to the Remedial Action Objectives and Preliminary Remediation Goals Technical Memorandum for the Blackbird Mine Site.

2. 8. . . . Vol. 6 - DOC ID: 1153110
DATE: 8/19/2002 PAGES: 1

AUTHOR(S):
Golder Associates, Inc.

ADDRESSEE(S):
Unknown

DESCRIPTION:

Table 2-1: Summary of Periodic Sampling Results for Cobalt in Blackbird Mine Creek (BBSW-01A) and Panther Creek (PASW-09), (date range 12/22/01 - 8/19/02).

2. 8. . . . Vol. 6 - DOC ID: 1152218
DATE: 8/20/2002 PAGES: 17

AUTHOR(S):
Mike Bedan/CH2M Hill, Inc.

ADDRESSEE(S):
Fran Allans/EPA

John G. Lincoln/CH2M Hill, Inc.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Technical Memorandum: Evaluation of Post-Removal Sampling Results for the Early Action Removals Along Panther Creek Downstream from the Blackbird Mine.

2. 8. . . . Vol. 6 - DOC ID: 1153106
DATE: 9/24/2002 PAGES: 162
AUTHOR(S): CH2M Hill, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Biological Assessment of the Effects of the Proposed Remedial Action Activities for the Blackbird Mine.

2. 8. . . . Vol. 6 - DOC ID: 1153112
DATE: 10/14/2002 PAGES: 11
AUTHOR(S): Golder Associates, Inc. ADDRESSEE(S): Blackbird Mine Site Group

DESCRIPTION: Sampling and Analysis Plan for Fall 2002 Panther Creek Private Property Soil Sampling, Blackbird Mine Site.

2. 8. . . . Vol. 6 - DOC ID: 1153113
DATE: 11/11/2002 PAGES: 15
AUTHOR(S): Julie Reynolds/CH2M Hill, Inc. ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Human Health Risk Evaluation for Blackbird Creek Overbank Materials between the Berms Adjacent to the Panther Creek Inn.

2. 8. . . . Vol. 6 - DOC ID: 1153286
DATE: 12/18/2002 PAGES: 10
AUTHOR(S): John G. Lincoln/CH2M Hill, Inc. ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Technical Memorandum regarding Cobalt Mixing Zones in Panther Creek.

2. 8. . . . Vol. 6 - DOC ID: 1153287
DATE: 12/27/2002 PAGES: 6
AUTHOR(S): Julie Reynolds/CH2M Hill, Inc. ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Technical Memorandum regarding Risk Estimates for Groundwater Consumption at the Blackbird Mine Site.

2. 8. . . . Vol. 6 - DOC ID: 1153302
DATE: 1/28/2003 PAGES: 14
AUTHOR(S): ADDRESSEE(S):

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

Fran Allans/EPA

Silvina Fonseca/EPA

DESCRIPTION:

Memorandum addressing criteria raised in the draft OSWER Directive, "Principles for Managing Contaminated Sediment Risks at Hazardous Waste Sites," as they relate to the Blackbird Mine Site.

SUB-HEAD: 2. 10. . . Vol. 1 - Proposed Plan

2. 10. . . Vol. 1 - DOC ID: 1138626
DATE: 8/1/2002 PAGES: 29
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION:

Proposed Plan for the Blackbird Mine Site, Lemhi County, Idaho.

SUB-HEAD: 2. 10. 1. . Vol. 1 - Comment Letters

2. 10. 1. . Vol. 1 - DOC ID: 1153124
DATE: 4/19/2002 PAGES: 2
AUTHOR(S): George Matejko/U. S. Forest Service ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Follow up comments to 3/21/02 letter concerning alternative BT-5 as presented in the Draft Final Feasibility Study for the Blackbird Mine site remediation.

2. 10. 1. . Vol. 1 - DOC ID: 1153117
DATE: 8/28/2002 PAGES: 1
AUTHOR(S): Robert Elieson/Unknown ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter commenting on the cancellation of the Blackbird Mine meeting at Panther Creek Inn and nearby contamination.

2. 10. 1. . Vol. 1 - DOC ID: 1153118
DATE: 8/30/2002 PAGES: 1
AUTHOR(S): Gwen Carter/Nez Perce Tribe of Idaho ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter requesting an extension of the comment period for the Blackbird Mine.

2. 10. 1. . Vol. 1 - DOC ID: 1153119
DATE: 9/4/2002 PAGES: 5
AUTHOR(S): Justin Hayes/Idaho Conservation League ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Comments on EPA's Proposed Cleanup Plan for the Blackbird Mine.

2. 10. 1. . Vol. 1 - DOC ID: 1153120
DATE: 9/5/2002 PAGES: 1
AUTHOR(S): Timothy Jackson/Unknown ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Comments on EPA's Preferred Cleanup Alternative for Panther Creek Drainage.

2. 10. 1. . Vol. 1 - DOC ID: 1153121
DATE: 9/5/2002 PAGES: 2
AUTHOR(S): Theodore L. Garrett/Covington & Burling ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION: Blackbird Mine Site Group's (BMSG) request for an extension of the public comment period.

2. 10. 1. . Vol. 1 - DOC ID: 1153122
DATE: 9/6/2002 PAGES: 2
AUTHOR(S): Cynthia L. Mackey/EPA ADDRESSEE(S):
Theodore L. Garrett/Covington &
Burling
Bruce M. Smith/More Smith Buxton &
Turcke

DESCRIPTION: Response to 9/5/02 letter to Allans, requesting an extension of the public comment period.

2. 10. 1. . Vol. 1 - DOC ID: 1153123
DATE: 9/7/2002 PAGES: 2
AUTHOR(S): John R. Swanson/Unknown ADDRESSEE(S):
EPA

DESCRIPTION: Comments concerning the Proposed Cleanup Plan for the Blackbird Mine Site.

2. 10. 1. . Vol. 1 - DOC ID: 1153138
DATE: 9/12/2002 PAGES: 1
AUTHOR(S): Cynthia L. Mackey/EPA ADDRESSEE(S):
Theodore L. Garrett/Covington &
Burling
Bruce M. Smith/More Smith Buxton &
Turcke

DESCRIPTION: Letter of notification that the EPA has extended the public comment period to 10/10/02.

2. 10. 1. . Vol. 1 - DOC ID: 1153125
DATE: 10/6/2002 PAGES: 1
AUTHOR(S): Ken Rogers/Unknown ADDRESSEE(S):
Fran Allans/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION: Letter discussing the arsenic cleanup options for property on lower Panther Creek.

2. 10. 1. . Vol. 1 - DOC ID: 1153170
DATE: 10/8/2002 PAGES: 4
AUTHOR(S): Samuel N. Penney/Nez Perce Tribe of Idaho
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Nez Perce Tribe's comments on the Blackbird Mine Site Cleanup Plan, received by EPA 11/22/02.

2. 10. 1. . Vol. 1 - DOC ID: 1153134
DATE: 10/9/2002 PAGES: 1
AUTHOR(S): Theodore L. Garrett/Covington & Burling
ADDRESSEE(S): Fran Allans/EPA

DESCRIPTION: Letter transmitting the Blackbird Mine Site Group's comments on EPA's proposed plan and exhibits for EPA's consideration and inclusion in the administrative record, (less enclosures, see documents 1153135, 1153137 and 1153136).

2. 10. 1. . Vol. 1 - DOC ID: 1153135
DATE: 10/9/2002 PAGES: 107
AUTHOR(S): Theodore L. Garrett/Covington & Burling
ADDRESSEE(S): Unknown

David E. Jackson/David E. Jackson and Associates, Inc.

Daniel L. Myers/Noranda Minerals, Inc.

Bruce M. Smith/More Smith Buxton & Turcke

DESCRIPTION: The Blackbird Mine Site Group, Comments on EPA's Proposed Plan for the Blackbird Mine Site.

2. 10. 1. . Vol. 1 - DOC ID: 1153137
DATE: 10/9/2002 PAGES: 336
AUTHOR(S): Theodore L. Garrett/Covington & Burling
ADDRESSEE(S): Unknown

David E. Jackson/David E. Jackson and Associates, Inc.

Daniel L. Myers/Noranda Minerals, Inc.

Bruce M. Smith/More Smith Buxton & Turcke

DESCRIPTION: The Blackbird Mine Site Group, Comments on EPA's Proposed Plan for the Blackbird Mine Site, Exhibits - Volume I.

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

SUB-HEAD: 2. 10. 1. . Vol. 2 - Comment Letters

2. 10. 1. . Vol. 2 - DOC ID: 1153136
DATE: 10/9/2002 PAGES: 400
AUTHOR(S): THEORESE(S):
Theodore L. Garrett/Covington & Burling Unknown

David E. Jackson/David E. Jackson and Associates, Inc.

Daniel L. Myers/Noranda Minerals, Inc.

Bruce M. Smith/More Smith Buxton & Turcke

DESCRIPTION: The Blackbird Mine Site Group, Comments on EPA's Proposed Plan for the Blackbird Mine Site, Exhibits - Volume II.

2. 10. 1. . Vol. 2 - DOC ID: 1153126
DATE: 10/10/2002 PAGES: 14
AUTHOR(S): THEORESE(S):
James S. Johnston/Idaho Dept. of Environmental Quality Fran Allans/EPA

DESCRIPTION: Letter providing comments on EPA's Proposed Plan for Remediation of the Blackbird Mine Site, 8/02.

2. 10. 1. . Vol. 2 - DOC ID: 1153127
DATE: 10/10/2002 PAGES: 8
AUTHOR(S): THEORESE(S):
Jack G. Troyer/U. S. Forest Service Fran Allans/EPA

DESCRIPTION: Letter providing comments on the Blackbird Mine Clean-up Plan, submitted by the Salmon-Challis National Forest Supervisor and discussed at the 9/9/02 meeting in Salmon, Idaho.

2. 10. 1. . Vol. 2 - DOC ID: 1153289
DATE: 11/27/2002 PAGES: 7
AUTHOR(S): THEORESE(S):
Nick Iadanza/National Marine Fisheries Service Fran Allans/EPA

DESCRIPTION: Comments regarding Exhibit C in the Blackbird Mine Site Group Comments of EPA's Proposed Plan for the Blackbird Mine Site - Assessment of the Presence, Abundance and Condition of Fish in the Panther Creek Drainage.

2. 10. 1. . Vol. 2 - DOC ID: 1153305
DATE: 11/27/2002 PAGES: 2
AUTHOR(S): THEORESE(S):
Theodore L. Garrett/Covington & Burling L. John Iani/EPA

Bruce M. Smith/More Smith Buxton & Turcke

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter written on behalf of the Blackbird Mine Site Group (BMSG), requesting a meeting to discuss the 8/02 Proposed Plan for the Blackbird Mine Superfund Site.

2. 10. 1. . Vol. 2 - DOC ID: 1153306
DATE: 12/10/2002 PAGES: 9

AUTHOR(S):
Theodore L. Garrett/Covington & Burling

ADDRESSEE(S):
Marianne Horinko/EPA

DESCRIPTION:

Letter written on behalf of the Blackbird Mine Site Group (BMSG), requesting a meeting to discuss the Blackbird Mine Site, with attached Introduction and Summary of Comments submitted by the BMSG on 10/9/02.

2. 10. 1. . Vol. 2 - DOC ID: 1153309
DATE: 12/10/2002 PAGES: 2

AUTHOR(S):
Theodore L. Garrett/Covington & Burling

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter requesting the opportunity to respond to NOAA's 11/27/02 comments on the Beak/Golder report that was submitted by the BMSG in response to the Proposed Plan.

2. 10. 1. . Vol. 2 - DOC ID: 1153310
DATE: 1/28/2003 PAGES: 128

AUTHOR(S):
Paul McKee/Stantec Consulting Ltd.

ADDRESSEE(S):
David E. Jackson/Blackbird Mine
Site Group
Dan Myers/Blackbird Mine Site Group

DESCRIPTION:

Letter transmitting two documents that address NOAA and IDEQ comments received, regarding the 10/7/02 Beak International/Golder Associates report, "Assessment of Presence, Abundance and Condition of Fish in the Panther Creek Drainage, August 2002."

2. 10. 1. . Vol. 2 - DOC ID: 1153311
DATE: 1/30/2003 PAGES: 2

AUTHOR(S):
David E. Jackson/Blackbird Mine Site
Group
Dan Myers/Blackbird Mine Site Group

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter transmitting Stantec's response to NOAA and IDEQ comments received, regarding the 10/7/02 Beak/Golder report, "Assessment of Presence, Abundance and Condition of Fish in the Panther Creek Drainage, August 2002,"(less attachment).

2. 10. 1. . Vol. 2 - DOC ID: 1153312
DATE: 2/5/2003 PAGES: 2

AUTHOR(S):
Theodore L. Garrett/Covington & Burling

ADDRESSEE(S):
Cynthia L. Mackey/EPA

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter requesting an opportunity to comment on two CH2M Hill memoranda, dated 12/27/02 and 12/18/02, regarding risk estimates for groundwater and cobalt mixing zone consumption, respectively.

2. 10. 1. . Vol. 2 - DOC ID: 1153354
DATE: 2/14/2003 PAGES: 2

AUTHOR(S):
L. John Iani/EPA

ADDRESSEE(S):
Theodore L. Garrett/Covington &
Burling
Bruce M. Smith/More Smith Buxton &
Turcke

DESCRIPTION:

Response to 1/16/03 oral presentation and written comments regarding the Proposed Plan for the Blackbird Mine Site.

SUB-HEAD: 2. 10. 2. . Vol. 1 - Response to Comments

2. 10. 2. . Vol. 1 - DOC ID: 1153367
DATE: 2/19/2003 PAGES: 8

AUTHOR(S):
Chris Mebane/Idaho Dept. of Environmental Quality

ADDRESSEE(S):
Blackbird Mine Site Group

Golder Associates, Inc.

Stantec Consulting Ltd.

DESCRIPTION:

Review of the Stantec and Golder 2003 report: Calculation of IDEQ Indices of Biological Integrity for Panther Creek Fish Communities Sampled in August 2002.

2. 10. 2. . Vol. 1 - DOC ID: 1153368
DATE: 2/24/2003 PAGES: 5

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
File

DESCRIPTION:

Comments on the 1/28/03 BMSG responses to NOAA and State of Idaho comments on the Assessment of Presence, Abundance, and Condition of Fish in the Panther Creek Drainage Report, (8/02). BMSG responses prepared by Stantec Consultants and Golder Associates

HEADING: 3. 0. . . RECORD OF DECISION (ROD)

SUB-HEAD: 3. 1. . . Vol. 1 - Correspondence

SUB-HEAD: 3. 1. 1. . Vol. 1 - Formal Correspondence

3. 1. 1. . Vol. 1 - DOC ID: 1153290
DATE: 12/20/2002 PAGES: 1
AUTHOR(S): Fran Allans/EPA
ADDRESSEE(S):
Elton R. Modroo/Idaho Dept. of Environmental
Quality
Troy Saffle/Idaho Dept. of Environmental Quality

DESCRIPTION: Letter transmitting a preliminary draft Record of Decision (ROD) for the Blackbird Mine Site,
(less enclosure).

3. 1. 1. . Vol. 1 - DOC ID: 1153291
DATE: 12/20/2002 PAGES: 1
AUTHOR(S): Fran Allans/EPA
ADDRESSEE(S):
Yvette Tuell/Shoshone-Bannock Tribes

DESCRIPTION: Letter transmitting a preliminary draft Record of Decision (ROD) for the Blackbird Mine Site,
(less enclosure).

3. 1. 1. . Vol. 1 - DOC ID: 1153292
DATE: 12/20/2002 PAGES: 1
AUTHOR(S): Fran Allans/EPA
ADDRESSEE(S):
Kevin Brackney/Nez Perce Tribe of Idaho

DESCRIPTION: Letter transmitting a preliminary draft Record of Decision (ROD) for the Blackbird Mine Site,
(less enclosure).

3. 1. 1. . Vol. 1 - DOC ID: 1153293
DATE: 12/20/2002 PAGES: 2
AUTHOR(S): Cynthia L. Mackey/EPA
ADDRESSEE(S):
Theodore L. Garrett/Covington & Burling
Bruce M. Smith/More Smith Buxton & Turcke

(BBMAR) BLACKBIRD MINE - REMEDIAL ADMINISTRATIVE RECORD INDEX

DESCRIPTION:

Letter responding to recent letters requesting a meeting with the Regional Administrator and requesting an opportunity to review materials that have been added to the Administrative Record.

3. 1. 1. . Vol. 1 - DOC ID: 1153294
DATE: 12/20/2002 PAGES: 2

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Suzanne Buntrock/U. S. Forest
Service
Pete Peters/U. S. Forest Service

Nick Iadanza/National Marine
Fisheries Service

DESCRIPTION:

Letter transmitting a preliminary draft Record of Decision (ROD) for the Blackbird Mine Site, (less enclosure).

3. 1. 1. . Vol. 1 - DOC ID: 1153295
DATE: 1/9/2003 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Pete Peters/U. S. Forest Service

DESCRIPTION:

Letter requesting concurrence on the selected remedy outlined in the Record of Decision (ROD) for the Blackbird Mine Site, (less enclosure).

3. 1. 1. . Vol. 1 - DOC ID: 1153296
DATE: 1/9/2003 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Elton R. Modroo/Idaho Dept. of
Environmental Quality

DESCRIPTION:

Letter requesting concurrence on the selected remedy outlined in the Record of Decision (ROD) for the Blackbird Mine Site, (less enclosure).

3. 1. 1. . Vol. 1 - DOC ID: 1153297
DATE: 1/9/2003 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Yvette Tuell/Shoshone-Bannock
Tribes

DESCRIPTION:

Letter transmitting an advance copy of the Record of Decision (ROD) for the Blackbird Mine Site, (less enclosure).

3. 1. 1. . Vol. 1 - DOC ID: 1153298
DATE: 1/9/2003 PAGES: 1

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Kevin Brackney/Nez Perce Tribe of
Idaho

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DESCRIPTION:

Letter transmitting an advance copy of the Record of Decision (ROD) for the Blackbird Mine Site, (less enclosure).

3. 1. 1. . Vol. 1 - DOC ID: 1153299
DATE: 1/23/2003 PAGES: 2

AUTHOR(S):
Jack G. Troyer/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter requesting an extension of time to provide comments on the Record of Decision (ROD).

3. 1. 1. . Vol. 1 - DOC ID: 1153317
DATE: 2/3/2003 PAGES: 2

AUTHOR(S):
James S. Johnston/Idaho Dept. of
Environmental Quality

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

State Concurrence with EPA's Record of Decision (ROD) for the Blackbird Mine site.

3. 1. 1. . Vol. 1 - DOC ID: 1153318
DATE: 2/3/2003 PAGES: 8

AUTHOR(S):
Jack G. Troyer/U. S. Forest Service

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Letter of concurrence on the 1/8/03 Draft Final Record of Decision (ROD) for the Blackbird Mine Site, with comments from Rieffenberger and Peters.

3. 1. 1. . Vol. 1 - DOC ID: 1153352
DATE: 2/18/2003 PAGES: 3

AUTHOR(S):
Marc Stifelman/EPA

ADDRESSEE(S):
Fran Allans/EPA

DESCRIPTION:

Memo regarding Panther Creek Inn - Sub-Chronic Arsenic Toxicity for Children, with a summary of the discussion on the application of the sub-chronic arsenic RfD, at the 2/12/03 Risk Assessment Teleconference for Superfund.

SUB-HEAD: 3. 1. 2. . Vol. 1 - Notes/E-mail

3. 1. 2. . Vol. 1 - DOC ID: 1153364
DATE: 1/7/2003 PAGES: 13

AUTHOR(S):
Fran Allans/EPA

ADDRESSEE(S):
Theodore L. Garrett/Covington & Burling

David E. Jackson/David E. Jackson and Associates,
Inc.

Daniel L. Myers/Noranda Minerals, Inc.

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Fran Allans/EPA

Bruce M. Smith/More Smith Buxton &
Turcke

DESCRIPTION:

Email transmitting technical memoranda that were used in preparation of the ROD: Cobalt Mixing Zones in Panther Creek, draft memo dated 12/18/02, with Tables 1 and 2; Risk Estimates for Groundwater Consumption at the Blackbird Mine Site, dated 12/27/02.

SUB-HEAD: 3. 1. 3. . Vol. 1 - Meeting Agenda/Notes

3. 1. 3. . Vol. 1 - DOC ID: 1153215
DATE: 1/16/2003 PAGES: 3
AUTHOR(S): Unknown ADDRESSEE(S):
Unknown

DESCRIPTION:

Agenda and sign-in sheet for the Blackbird Mine Site Group Meeting with EPA Region 10.

SUB-HEAD: 3. 2. . . Vol. 1 - Record of Decision (ROD)

3. 2. . . Vol. 1 - DOC ID: 1153359
DATE: 3/3/2003 PAGES: 322
AUTHOR(S): Michael F. Gearheard/EPA ADDRESSEE(S):
Unknown

DESCRIPTION:

Record of Decision for the Blackbird Mine Superfund Site.

HEADING: 10. 0. . . TRIBAL COORDINATION

SUB-HEAD: 10. 1. . . Vol. 1 - Correspondence

SUB-HEAD: 10. 1. 1. . Vol. 1 - Correspondence

10. 1. 1. . Vol. 1 - DOC ID: 1138592
DATE: 12/13/2001 PAGES: 6
AUTHOR(S): L. John Iani/EPA ADDRESSEE(S): Blaine J. Edmo/Fort Hall Business Council

DESCRIPTION: Response to 11/19/01 letter regarding EPA's proposal to place Stibnite Mine Site on the National Priorities List (NPL) and other CERCLA matters, including EPA and Tribal coordination on future activities at Blackbird Mine Site.

10. 1. 1. . Vol. 1 - DOC ID: 1138560
DATE: 5/7/2002 PAGES: 2
AUTHOR(S): L. John Iani/EPA ADDRESSEE(S): Blaine J. Edmo/Fort Hall Business Council

DESCRIPTION: Letter informing the Shoshone-Bannock Tribes of the near completion of investigation and the upcoming proposal of final remedial action and other phases.

10. 1. 1. . Vol. 1 - DOC ID: 1138561
DATE: 5/8/2002 PAGES: 2
AUTHOR(S): L. John Iani/EPA ADDRESSEE(S): Samuel N. Penney/Nez Perce Tribe of Idaho

DESCRIPTION: Letter informing the Nez Perce Tribe of the near completion of investigation and the upcoming proposal of final remedial action and other phases.

HEADING: 12. 0. . . ENFORCEMENT

SUB-HEAD: 12. 2. . . Vol. 1 - PRP Notice Letters and Responses

12. 2. . . Vol. 1 - 1016635 DOC ID: 1016635
DATE: 7/29/1994 PAGES: 7
AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
Alumet Corp.

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . Vol. 1 - 1016636 DOC ID: 1016636
DATE: 7/29/1994 PAGES: 7
AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
Bruce H. Grosse/Blackbird Mining Co., Ltd.

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . Vol. 1 - 1016637 DOC ID: 1016637
DATE: 7/29/1994 PAGES: 7
AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
M. A. Hanna Co.

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . Vol. 1 - 1016638 DOC ID: 1016638
DATE: 7/29/1994 PAGES: 7
AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
Hanna Services Co.

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . Vol. 1 - 1016639 DOC ID: 1016639
DATE: 7/29/1994 PAGES: 7
AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
Ted Farnsworth/Machinery Center, Inc.

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . Vol. 1 - 1016640 DOC ID: 1016640
DATE: 7/29/1994 PAGES: 7
AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
Noranda Mining, Inc.

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DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . . Vol. 1 - 1016641 DOC ID: 1016641
DATE: 7/29/1994 PAGES: 7

AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
Noranda Exploration, Inc.

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . . Vol. 1 - 1016642 DOC ID: 1016642
DATE: 7/29/1994 PAGES: 7

AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
Union Carbide Chemicals and
Plastics Corp.

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . . Vol. 1 - 1016643 DOC ID: 1016643
DATE: 7/29/1994 PAGES: 7

AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
James Cook/U. S. Bureau of Mines

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . . Vol. 1 - 1016644 DOC ID: 1016644
DATE: 7/29/1994 PAGES: 7

AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
Dale Bosworth/U. S. Forest Service

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

12. 2. . . . Vol. 1 - 1016645 DOC ID: 1016645
DATE: 7/29/1994 PAGES: 7

AUTHOR(S): Carol A. Rushin/EPA ADDRESSEE(S):
James F. Devine/U. S. Geological
Survey

DESCRIPTION: Notice letter for Remedial Investigation/Feasibility Study and other Removal Actions.

SUB-HEAD: 12. 6. . . . Vol. 1 - Orders

SUB-HEAD: 12. 6. 1. . . . Vol. 1 - Administrative Orders

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12. 6. 1. . Vol. 1 - DOC ID: 1138558
DATE: 11/8/1995 PAGES: 1
AUTHOR(S): Unknown ADDRESSEE(S):
Unknown

DESCRIPTION: Appendix to Administrative Order on Consent Docket No. 10-95-0083-CERCLA Amendment, Statement of Work, Early Removal Action Implementation, Blackbird Mine.

12. 6. 1. . Vol. 1 - DOC ID: 1138559
DATE: 3/6/1998 PAGES: 4
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S):
Joseph A. Scheuering/Noranda
Mining, Inc.
Dave Jackson/Unknown

DESCRIPTION: Letter expressing concerns with delays that have occurred in the preparation and submittal of the Panther Creek Inn Analysis of Alternatives (PCI AOA) report, with Public Health Implication Statement for the Panther Creek Inn and Campsite Area, 12/15/97.

12. 6. 1. . Vol. 1 - DOC ID: 1138562
DATE: 5/1/2001 PAGES: 7
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S):
Dave Jackson/Unknown

Daniel L. Myers/Noranda Minerals,
Inc.

DESCRIPTION: Letter transmitting the Amendment to Administrative Order on Consent for: RI/FS and Other Removal Action - Statement of Work (AOC SOW), Docket No 10-94-0222; and Removal Action and Recovery of Costs - SOW Docket No 10-95-0083-CERCLA.

SUB-HEAD: 12. 9. . . Vol. 1 - Consent Decree

12. 9. . . Vol. 1 - DOC ID: 1153356
DATE: 4/28/1995 PAGES: 99
AUTHOR(S): Philip E. Batt/State of Idaho ADDRESSEE(S):
Rob G. Metka/Noranda Mining, Inc.

Lois J. Schiffer/U. S. Dept. of Justice

Philip E. Batt/State of Idaho

John S. Pyke/M. A. Hanna Co.

Lois J. Schiffer/U. S. Dept. of Justice

Philip E. Batt/State of Idaho

R. P. Wolf/Alumet Corp.

Lois J. Schiffer/U. S. Dept. of Justice

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DESCRIPTION:

Consent Decree: State of Idaho, et al. v. The M. A. Hanna Company, et al, Consolidated Case No. 83-4179 (R).

HEADING: 13. 0. . . HEALTH ASSESSMENTS

SUB-HEAD: 13. 2. . . Vol. 1 - Health Assessments

SUB-HEAD: 13. 2. 1. . Vol. 1 - ATSDR Health Assessments

13. 2. 1. . Vol. 1 - DOC ID: 1138502
DATE: 9/9/1994 PAGES: 46
AUTHOR(S): AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY ADDRESSEE(S):
Unknown

DESCRIPTION: Public Health Assessment for Blackbird Mine, for public comment.

13. 2. 1. . Vol. 1 - DOC ID: 1138427
DATE: 3/8/2000 PAGES: 25
AUTHOR(S): AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY ADDRESSEE(S):
Unknown

DESCRIPTION: Health Consultation (Exposure Investigation), Blackbird Mine (aka Panther Creek), Cobalt, Idaho.

HEADING: 14. 0. . . NATURAL RESOURCE TRUSTEES

SUB-HEAD: 14. 1. . . Vol. 1 - Correspondence

SUB-HEAD: 14. 1. 1. . Vol. 1 - Correspondence

14. 1. 1. . Vol. 1 - DOC ID: 1138223
DATE: 2/27/2002 PAGES: 1
AUTHOR(S): Fran Allans/EPA ADDRESSEE(S): Ed Murrell/National Marine Fisheries Service

DESCRIPTION: Letter regarding the Blackbird Mine Site, Lemhi County, Idaho, Section 7 Endangered Species Act Consultation, inviting NMFS to address any concerns they may have on the Draft Final Feasibility Study.

SUB-HEAD: 14. 2. . . Vol. 1 - Memorandum of Understanding

14. 2. . . Vol. 1 - DOC ID: 1153357
DATE: 11/2/1995 PAGES: 11
AUTHOR(S): Randall F. Smith/EPA ADDRESSEE(S): Dale Bosworth/U. S. Forest Service

DESCRIPTION: Memorandum of Understanding between Environmental Protection Agency, Region 10 and USDA - Forest Service, Region 4 concerning The Blackbird Mine Site.

HEADING: 16. 0. . . PUBLIC PARTICIPATION

SUB-HEAD: 16. 2. . . Vol. 1 - Community Relations Plan

16. 2. . . Vol. 1 - 1016986 DOC ID: 1016986
DATE: 4/24/1995 PAGES: 13
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: Draft Community Relations Plan, Blackbird Mine.

SUB-HEAD: 16. 3. . . Vol. 1 - Notices of Availability of Information/Notices of Meetings

16. 3. . . Vol. 1 - DOC ID: 1138643
DATE: 8/1/2002 PAGES: 4
AUTHOR(S): Mark T. Masarik/EPA ADDRESSEE(S):
Challis Messenger

DESCRIPTION: Public Voucher for Advertising, announcing a Public Meeting and the upcoming public comment period for the Proposed Plan.

16. 3. . . Vol. 1 - DOC ID: 1138644
DATE: 8/1/2002 PAGES: 4
AUTHOR(S): Mark T. Masarik/EPA ADDRESSEE(S):
Recorder-Herald

DESCRIPTION: Public Voucher for Advertising, announcing a Public Meeting and the upcoming public comment period for the Proposed Plan.

16. 3. . . Vol. 1 - DOC ID: 1138917
DATE: 9/17/2002 PAGES: 3
AUTHOR(S): Mark T. Masarik/EPA ADDRESSEE(S):
Challis Messenger

DESCRIPTION: Public Voucher for Advertising, Blackbird Mine, Environmental Cleanup Proposed Plan, Public Comment Period Extended to 10/10/02.

16. 3. . . Vol. 1 - DOC ID: 1138918
DATE: 9/17/2002 PAGES: 3
AUTHOR(S): Mark T. Masarik/EPA ADDRESSEE(S):
Recorder-Herald

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DESCRIPTION:

Public Voucher for Advertising, Blackbird Mine, Environmental Cleanup Proposed Plan, Public Comment Period Extended to 10/10/02.

SUB-HEAD: 16. 5. . . Vol. 1 - Fact Sheets/Press Releases

16. 5. . . Vol. 1 - DOC ID: 1138628
DATE: 8/1/2002 PAGES: 4
AUTHOR(S):
EPA

ADDRESSEE(S):
Unknown

DESCRIPTION:

Fact Sheet announcing the 30 day public comment period for the Proposed Plan for Remedial Action at the Blackbird Mine Site.

16. 5. . . Vol. 1 - DOC ID: 1153130
DATE: 8/7/2002 PAGES: 4
AUTHOR(S):
Isabelle Crooks/EPA

ADDRESSEE(S):
Mark T. Masarik/EPA

DESCRIPTION:

Email regarding advertisements placed, with attached ads.

16. 5. . . Vol. 1 - DOC ID: 1138654
DATE: 8/22/2002 PAGES: 2
AUTHOR(S):
EPA

ADDRESSEE(S):
Unknown

DESCRIPTION:

Mailing announcing cancellation of the Blackbird Mine meeting originally scheduled for 8/26/02.

16. 5. . . Vol. 1 - DOC ID: 1138983
DATE: 9/17/2002 PAGES: 2
AUTHOR(S):
EPA

ADDRESSEE(S):
Unknown

DESCRIPTION:

Postcard announcing extension of the Blackbird Mine Site Public Comment Period for the Proposed Cleanup Plan, to 10/10/02.

16. 5. . . Vol. 1 - DOC ID: 1153042
DATE: 10/1/2002 PAGES: 2
AUTHOR(S):
EPA

ADDRESSEE(S):
Unknown

DESCRIPTION:

Fact Sheet on Blackbird Mine announcing that work will start on Meadow and Bucktail Creeks this Fall, and other news.

HEADING: 18. 0. . . TECHNICAL LITERATURE AND GUIDANCE DOCUMENTS

SUB-HEAD: 18. 1. . . Vol. 1 - EPA Guidance

18. 1. . . Vol. 1 - DOC ID: 1153131
DATE: 4/1/1999 PAGES: 26
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: National Recommended Water Quality Criteria - Correction.

18. 1. . . Vol. 1 - DOC ID: 1153307
DATE: 11/1/2002 PAGES: 36
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: National Recommended Water Quality Criteria: 2002.

SUB-HEAD: 18. 2. . . Vol. 1 - Technical Literature

18. 2. . . Vol. 1 - DOC ID: 1138580
DATE: 2/1/1969 PAGES: 5
AUTHOR(S): Henry L. Bell/Federal Water Pollution Control Administration ADDRESSEE(S):
Unknown

Stephen L. Warnick/Federal Water Pollution Control
Administration

DESCRIPTION: The Acute Toxicity of Some Heavy Metals to Different Species of Aquatic Insects. (Journal WPCF, Vol. 41, No. 2, Part 1).

18. 2. . . Vol. 1 - DOC ID: 1138581
DATE: 1/1/1976 PAGES: 21
AUTHOR(S): Sam Sodergren/University of Umea ADDRESSEE(S):
Unknown

DESCRIPTION: Ecological Effects of Heavy Metal Discharge in a Salmon River. (Institute of Freshwater Research, Drottingholm, Sweden, Vol. 55).

18. 2. . . Vol. 1 - DOC ID: 1138616
DATE: 7/1/1977 PAGES: 118
AUTHOR(S): Earl H. Bennett/Idaho Geological Survey ADDRESSEE(S):
Unknown

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DESCRIPTION:

Reconnaissance Geology and Geochemistry of the Blackbird Mountain - Panther Creek Region.

18. 2. . . . Vol. 1 - DOC ID: 1138582
DATE: 1/1/1978 PAGES: 23

AUTHOR(S): Wesley J. Birge/University of Kentucky
ADDRESSEE(S): Unknown

DESCRIPTION:

Aquatic Toxicology of Trace Elements of Coal and Fly Ash. (From a symposium held at Augusta, GA, 11/2-4/77, Energy and Environmental Stress in Aquatic Systems, published by Technical Information Center, U. S. Dept. of Energy).

18. 2. . . . Vol. 1 - DOC ID: 1138583
DATE: 3/1/1979 PAGES: 17

AUTHOR(S): Wesley J. Birge/University of Kentucky
ADDRESSEE(S): Unknown

Jeffery A. Black/University of Kentucky

Jarvis E. Hudson/University of Kentucky

Albert G. Westerman/University of Kentucky

DESCRIPTION:

Aquatic Toxicity Tests on Inorganic Elements Occurring in Oil Shale. (Oil Shale Symposium: Sampling, Analysis and Quality Assurance, published by Industrial Environmental Research Laboratory, Office of Research and Development, U. S. EPA).

18. 2. . . . Vol. 1 - DOC ID: 1138584
DATE: 8/1/1990 PAGES: 17

AUTHOR(S): Minnesota Pollution Control Agency
ADDRESSEE(S): Unknown

DESCRIPTION:

Aquatic Life Criteria for cobalt.

18. 2. . . . Vol. 1 - DOC ID: 1138585
DATE: 11/2/1995 PAGES: 10

AUTHOR(S): Glenn W. Suter/Oak Ridge National Laboratory
ADDRESSEE(S): Unknown

DESCRIPTION:

Hazard/Risk Assessment, Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Freshwater Biota. (Environmental Toxicology and Chemistry, Vol. 15, No. 7, pp 1232-1241).

18. 2. . . . Vol. 1 - DOC ID: 1138586
DATE: 2/26/1998 PAGES: 14

AUTHOR(S):
ADDRESSEE(S):

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Harold L. Bergman/University of Wyoming

Unknown

J. Hansen/University of Wyoming

Joshua Lipton/Hagler Bailly Services,
Inc.

J. C. A. Marr/Mississippi-Alabama Sea
Grant

J. S. Meyer/University of Wyoming

DESCRIPTION:

Toxicity of cobalt and copper to rainbow trout: application of a mechanistic model for predicting survival. (Aquatic Toxicology 43 (1998) pp 225-238) (2 additional addressees).