

**ORONOGO-DUNEWEG**

**MINING BELT**

**OU#4**

**SUPERFUND SITE**

90  
Site: Oronogo Duenweg  
ID #: MAD980686281  
Break: 3.0  
Other: 041  
3/1/98

0736

**ORONOGO-DUENWEG, MISSOURI**

**REMEDIAL ADMINISTRATIVE  
RECORD**

**MARCH 1998**

**VOLUME I**

**REGION VII**

**SUPERFUND DIVISION  
U.S. ENVIRONMENTAL  
PROTECTION AGENCY**

40164929



SUPERFUND RECORDS

DOCUMENT DATE: 12/16/93  
NUMBER OF PAGES: 8  
AUTHOR: Doolan, D. Mark, WSTM/SPFD/REMED  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: William W. Rice, Acting Regional Administrator  
DOCUMENT TYPE: Memorandum  
REFERENCE: No  
DOCUMENT TITLE: Subject re:"Removal Action Decision Document"  
CATEGORY: 2.4

DOCUMENT DATE: 02/07/94  
NUMBER OF PAGES: 13  
AUTHOR: Uphoff, Gary D., Project Coordinator  
COMPANY/AGENCY: Environmental Management Services Company  
RECIPIENT: D. Mark Doolan, U.S. EPA  
DOCUMENT TYPE: Action Memorandum  
REFERENCE: No  
DOCUMENT TITLE: Entitled:"Interim Removal Action Alternatives  
Evaluation Memorandum"  
CATEGORY: 2.6

DOCUMENT DATE: 08/24/94  
NUMBER OF PAGES: 8  
AUTHOR: Williams, David P., On-Scene Coordinator  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: Dennis Grams, P.E., Regional Administrator  
DOCUMENT TYPE: Memorandum  
REFERENCE: No  
DOCUMENT TITLE: Subject re:"Request for Removal Action and  
12-Month Exemption for Oronogo-Duenweg Mining  
Belt Site, Jasper County, Missouri"  
CATEGORY: 2.6

DOCUMENT DATE: 12/01/97  
NUMBER OF PAGES: 2  
AUTHOR: Williams, David P., On-Scene Coordinator  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: Site File  
DOCUMENT TYPE: Memroandum  
REFERENCE: No  
DOCUMENT TITLE: Subject re:"Extended Period of Operation for  
Removal Action at Oronogo-Duenweg Mining Belt  
Site, Jasper County, Missouri"  
CATEGORY: 2.6

DOCUMENT DATE: 01/04/94  
NUMBER OF PAGES: 2  
AUTHOR: Jackson, David E., Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "Delivery of Bottled Water to 12 Residences"  
CATEGORY: 3.1

DOCUMENT DATE: 02/17/94  
NUMBER OF PAGES: 4  
AUTHOR: Uphoff, Gary D., Project Coordinator  
COMPANY/AGENCY: Environmental Management Services Company  
RECIPIENT: D. Mark Doolan, U.S. EPA  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "Update On the Status of the Bottled Water Program"  
CATEGORY: 3.1

DOCUMENT DATE: 04/18/94  
NUMBER OF PAGES: 2  
AUTHOR: Manges, Eric T., Program Manager for Gold Fields  
COMPANY/AGENCY: Beazer Company  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "Permanent Water Supply Plan Jasper County Superfund Site"  
CATEGORY: 3.1

DOCUMENT DATE: 01/28/94  
NUMBER OF PAGES: 25  
AUTHOR: Hubert, Ed  
COMPANY/AGENCY: PRC Environmental Management, Inc.  
RECIPIENT: Mark Doolan, U.S. EPA, Region 7  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Final Drinking Water Trip Report"  
CATEGORY: 3.2

DOCUMENT DATE: 02/25/94  
NUMBER OF PAGES: 8  
AUTHOR: Wankum, Robin  
COMPANY/AGENCY: Black & Veatch Waste Science, Inc.  
RECIPIENT: Mark Doolan, EPA  
DOCUMENT TYPE: Memorandum  
REFERENCE: No  
DOCUMENT TITLE: re: "Mine-Effectd vs. Natural Mineralization"  
CATEGORY: 3.2

DOCUMENT DATE: 12/09/93  
NUMBER OF PAGES: 3  
AUTHOR: Uphoff, Gary, Project Coordinator  
COMPANY/AGENCY: Environmental Management Services Company  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "Drinking Water Sampling Program"  
CATEGORY: 3.3

DOCUMENT DATE: 12/29/93  
NUMBER OF PAGES: 2  
AUTHOR: Doolan, D. Mark  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: Gary Uphoff, Environmental Management Services  
Company  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "Bottled Water Program"  
CATEGORY: 3.3

DOCUMENT DATE: 01/28/94  
NUMBER OF PAGES: 9  
AUTHOR: Uphoff, Gary D., Project Coordinator  
COMPANY/AGENCY: Environmental Management Services Company  
RECIPIENT: D. Mark Doolan, U.S. EPA  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "Drinking Water Sampling Program"  
CATEGORY: 3.3

DOCUMENT DATE: 02/08/94  
NUMBER OF PAGES: 15  
AUTHOR: Uphoff, Gary D., Project Coordinator  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re:"Drinking Water Sampling"  
CATEGORY: 3.3

DOCUMENT DATE: 04/26/94  
NUMBER OF PAGES: 31  
AUTHOR: Jirka, Andrea, Chief, Laboratory Branch, ENSV  
COMPANY/AGENCY: United States Environmental Protection Agency  
RECIPIENT: Roberty Morby, Chief, SPFD-WSTM  
DOCUMENT TYPE: Memorandum  
REFERENCE: No  
DOCUMENT TITLE: Subject re:"Data Transmittal for Activity  
#:IS236"  
CATEGORY: 3.3

DOCUMENT DATE: 06/10/94  
NUMBER OF PAGES: 36  
AUTHOR: Uphoff, Gary D., Project Coordinator  
COMPANY/AGENCY: Environmental Management Services Company  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Technical Memorandum  
REFERENCE: No  
DOCUMENT TITLE: re:"Round 3 Water Chemistry and Extended Water  
Level Investigation"  
CATEGORY: 3.3

DOCUMENT DATE: 06/27/94  
NUMBER OF PAGES: 2  
AUTHOR: Doolan, D. Mark, Remedial Project Manager  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: Gary Uphoff, Environmental Management Services  
Company  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re:"Round 3 Well Sampling and Water  
Levels"  
CATEGORY: 3.3

DOCUMENT DATE: 04/11/95  
NUMBER OF PAGES: 2  
AUTHOR:  
COMPANY/AGENCY: USEPA Region VII  
RECIPIENT:  
DOCUMENT TYPE: EPA Form  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "ASR Form"  
CATEGORY: 3.3

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DOCUMENT DATE: 05/16/95  
NUMBER OF PAGES: 5  
AUTHOR: Dula, Philip C., CHMM  
COMPANY/AGENCY: CDM Federal Programs Corporation  
RECIPIENT: Jack Generaux, U.S. Environmental Protection Agency  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "Revision of Analytical Results for  
Private Wells in the DA 4 Extension Area"  
CATEGORY: 3.3

DOCUMENT DATE: 12/12/97

NUMBER OF PAGES: 226

AUTHOR:

COMPANY/AGENCY: Dames & Moore

RECIPIENT:

DOCUMENT TYPE: Report

REFERENCE: No

DOCUMENT TITLE: Entitled: "Final Draft Feasibility Study for the  
Ground-Water Operable Unit of the Jasper County  
Superfund Site, Jasper County, Missouri"

CATEGORY: 4.5

DOCUMENT DATE: 02/01/98  
NUMBER OF PAGES: 23  
AUTHOR:  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT:  
DOCUMENT TYPE: Plan  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Proposed Plan"  
CATEGORY: 5.6



DOCUMENT DATE: 08/02/91  
NUMBER OF PAGES: 76  
AUTHOR:  
COMPANY/AGENCY: United States Environmental Protection Agency  
RECIPIENT:  
DOCUMENT TYPE: Order  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Administrative Order on Consent"  
CATEGORY: 10.6

DOCUMENT DATE: 12/15/93  
NUMBER OF PAGES: 86  
AUTHOR:  
COMPANY/AGENCY: United States Environmental Protection Agency  
RECIPIENT:  
DOCUMENT TYPE: Memorandum with Attachment  
REFERENCE: No  
DOCUMENT TITLE: Subject re: "CERCLA 106 Unilateral  
Administrative Order for Removal Action to  
Provide Bottled Water Jasper County Site"  
CATEGORY: 10.6

DOCUMENT DATE: 06/24/94  
NUMBER OF PAGES: 31  
AUTHOR:  
COMPANY/AGENCY: United States Environmental Protection Agency  
RECIPIENT:  
DOCUMENT TYPE: Order  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Unilateral Administrative Order"  
CATEGORY: 10.6

DOCUMENT DATE: 06/30/94  
NUMBER OF PAGES: 6  
AUTHOR: Gileo Faye, Terrance  
COMPANY/AGENCY: Beazer East, Inc.  
RECIPIENT: Audrey Asher, Esquire, Senior Assistant Region  
Counsel, U.S. Environmental Protection Agency  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "Unilateral Administrative Order  
Bottled Water Oronogo-Duenweg Designated Area"  
CATEGORY: 10.6

DOCUMENT DATE: 06/30/94  
NUMBER OF PAGES: 4  
AUTHOR: Williams, Stephen E.  
COMPANY/AGENCY: Bayh, Connaughton, Ensterheim & Malone, P.C.  
RECIPIENT: Audrey Asher, Esq., Senior Assistant Regional  
Counsel, U.S. Environmental Protection Agency  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "EPA Doc No. VII 94-F-0018,  
Unilateral Administrative Order to Supply  
Bottled Water, Oronogo-Duenweg Designated Area"  
CATEGORY: 10.6

DOCUMENT DATE: 10/17/94  
NUMBER OF PAGES: 4  
AUTHOR: Kloeckner, E. Jane, Assistant Regional Counsel  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: Walter W. Nowotny, Jr., Secretary and General  
Counsel, The Doe Run Company  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re: "Participation In All On-Going  
Response Actions"  
CATEGORY: 10.6

DOCUMENT DATE: 12/14/93  
NUMBER OF PAGES: 7  
AUTHOR: Uphoff, Gary D., Project Coordinator  
COMPANY/AGENCY: Environmental Management Services Company  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Correspondence With Attachment  
REFERENCE: No  
DOCUMENT TITLE: re: "Work Plan for Sampling and Analysis of  
Drinking Water"  
CATEGORY: 10.9

DOCUMENT DATE: 12/16/93  
NUMBER OF PAGES: 7  
AUTHOR: Uphoff, Gary D., Project Coordinator  
COMPANY/AGENCY: Environmental Management Services Company  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Correspondence With Attachment  
REFERENCE: No  
DOCUMENT TITLE: re: "Revision to the Sampling and Analysis Work  
Plan"  
CATEGORY: 10.9

DOCUMENT DATE: 03/16/94  
NUMBER OF PAGES: 8  
AUTHOR: Uphoff, Gary D., Project Coordinator  
COMPANY/AGENCY: Environmental Management Services Company  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Correspondence With Attachment  
REFERENCE: No  
DOCUMENT TITLE: re:"Ground Water Sampling and Analysis Work  
Plan"  
CATEGORY: 10.9

DOCUMENT DATE: 04/06/94  
NUMBER OF PAGES: 3  
AUTHOR: D. Mark Doolan, Remedial Project Manager  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: Gary Uphoff, Environmental Management Services  
Company  
DOCUMENT TYPE: Correspondence  
REFERENCE: No  
DOCUMENT TITLE: Letter re:"Approval of the Ground Water  
Sampling and Analysis Plan"  
CATEGORY: 10.9

DOCUMENT DATE: 08/02/94  
NUMBER OF PAGES: 14  
AUTHOR: Jackson, David E., Program Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled:"Quarterly Report, Bottled Water  
Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 11/10/94  
NUMBER OF PAGES: 3  
AUTHOR: Jackson, David E., Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled:"Quarterly Report, Bottled Water  
Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 02/09/95  
NUMBER OF PAGES: 3  
AUTHOR: Corn, Frederick, Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 05/10/95  
NUMBER OF PAGES: 3  
AUTHOR: Corn, Frederick, Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 08/10/95  
NUMBER OF PAGES: 3  
AUTHOR: Corn, Frederick, Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 11/10/95  
NUMBER OF PAGES: 3  
AUTHOR: Corn, Frederick, Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 02/10/96  
NUMBER OF PAGES: 3  
AUTHOR: Corn, Frederick, Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water  
Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 05/10/96  
NUMBER OF PAGES: 3  
AUTHOR: Viskocil, Kathleen H., Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water  
Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 08/09/96  
NUMBER OF PAGES: 3  
AUTHOR: Viskocil, Kathleen H., Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water  
Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 11/08/96  
NUMBER OF PAGES: 2  
AUTHOR: Deters, Jennifer, Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water  
Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 02/05/97  
NUMBER OF PAGES: 2  
AUTHOR: Deters, Jennifer J., Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 04/10/97  
NUMBER OF PAGES: 2  
AUTHOR: Fischer, Randy, FS Coordinator  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, Remedial Program Manager, U.S. Environmental Protection Agency  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Monthly Progress Report"  
CATEGORY: 10.9

DOCUMENT DATE: 08/05/97  
NUMBER OF PAGES: 3  
AUTHOR: Deters, Jennifer J., Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 08/11/97  
NUMBER OF PAGES: 2  
AUTHOR: Deters, Jennifer J., Project Manager  
COMPANY/AGENCY: Dames & Moore  
RECIPIENT: D. Mark Doolan, U.S. EPA-Region VII  
DOCUMENT TYPE: Report  
REFERENCE: No  
DOCUMENT TITLE: Entitled: "Quarterly Report, Bottled Water Supply"  
CATEGORY: 10.9

DOCUMENT DATE: 05/01/94

NUMBER OF PAGES: 1

AUTHOR:

COMPANY/AGENCY: U.S. Environmental Protection Agency

RECIPIENT:

DOCUMENT TYPE: Fact Sheet

REFERENCE: No

DOCUMENT TITLE: re:"Oronogo-Duenweg Superfund Site"

CATEGORY: 13.5

DOCUMENT DATE: 06/30/92  
NUMBER OF PAGES: 1  
AUTHOR:  
COMPANY/AGENCY:  
RECIPIENT:  
DOCUMENT TYPE: Notes from Teleconference  
REFERENCE: No  
DOCUMENT TITLE: re:"ARARs"  
CATEGORY: 17.10

DOCUMENT DATE: 05/11/93  
NUMBER OF PAGES: 2  
AUTHOR: Langemeier, Ralph N., Chief, Drinking Water Branch  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: Robert Morby, Chief, Superfund Branch  
DOCUMENT TYPE: Memorandum  
REFERENCE: No  
DOCUMENT TITLE: Subject re:"Drinking Water Supplies' Source  
Water Impacted by Superfund Sites With Lead"  
CATEGORY: 17.10

DOCUMENT DATE: 12/21/93  
NUMBER OF PAGES: 3  
AUTHOR: Hess, George K.  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: Marth Steincamp, CNSL  
DOCUMENT TYPE: Memorandum  
REFERENCE: No  
DOCUMENT TITLE: Subject re:"Regional Removal Alternate Water  
Policies"  
CATEGORY: 17.10

DOCUMENT DATE: 06/23/94  
NUMBER OF PAGES: 3  
AUTHOR: Grams, Dennis, Regional Administrator  
COMPANY/AGENCY: U.S. Environmental Protection Agency  
RECIPIENT: Leo Alderman, Acting Director, Environmental  
Services Division  
DOCUMENT TYPE: Memorandum  
REFERENCE: No  
DOCUMENT TITLE: Subject re:"Regional Policy for Residential  
Connections to Existings Public Utilities Under  
the CERCLA Removal Authority"  
CATEGORY: 17.10