

IN THE UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF MISSOURI

UNITED STATES OF AMERICA and
STATE OF MISSOURI,

Plaintiffs,

v.

Childress Royalty Company and
Acme Land Company,

Defendants.

CIVIL ACTION NO. 3:09-cv-05071-GAF

RD/RA CONSENT DECREE

TABLE OF CONTENTS

	<u>Page</u>
I. Background	2
II. Jurisdiction	4
III. Parties Bound	4
IV. Definitions	4
V. General Provisions	8
VI. Performance of the Work by Settling Defendants	10
VII. OU-1 Remedy Review	14
VIII. Quality Assurance, Sampling, and Data Analysis	15
IX. Access and Institutional Controls	16
X. Reporting Requirements	20
XI. EPA Approval of Plans and Other Submissions	21

XII.	Project Coordinators	23
XIII.	Performance Guarantee	24
XIV.	Certification of Completion	27
XV.	Emergency Response	28
XVI.	Payments of Response Costs	29
XVII.	Indemnification and Insurance	31
XVIII.	Force Majeure	33
XIX.	Dispute Resolution	34
XX.	Stipulated Penalties	36
XXI.	Covenants Not to Sue by Plaintiffs	39
XXII.	Covenants by Settling Defendants	41
XXIII.	Effect of Settlement - Contribution Protection	42
XXV.	Access to Information	43
XXVI.	Retention of Records	44
XXVII.	Notices and Submissions	45
XXVIII.	Effective Date	47
XXVIX.	Retention of Jurisdiction	47
XXX.	Appendices	47
XXXI.	Community Relations	47
XXXII.	Modification	47
XXXIII.	Lodging and Opportunity for Public Comment	48
XXXIV.	Signatories/Service	48
XXXV.	Final Judgment	49

I. Background

A. The United States of America (“United States”), on behalf of the Administrator of the United States Environmental Protection Agency (“EPA”), the State of Missouri, ex rel. Chris Koster (the “State”) and the Missouri Department of Natural Resources (“MDNR”), filed a complaint in this matter pursuant to Sections 106 and 107 of the Comprehensive Environmental Response, Compensation, and Liability Act (“CERCLA”), 42 U.S.C. §§ 9606, 9607.

B. The United States and the State in their complaint seek, inter alia: (1) reimbursement of costs incurred by EPA, the Department of Justice and the State for response actions at the Oronogo-Duenweg Mining Belt Superfund Site in Jasper County, Missouri, (the “Site”) together with accrued interest; and (2) performance of studies and response work by the Defendants at the Site consistent with the National Contingency Plan, 40 C.F.R. Part 300 (as amended) (“NCP”).

C. In accordance with the NCP and Section 121(f)(1)(F) of CERCLA 42 U.S.C. § 9621(f)(1)(F), EPA notified the State on or about February 20, 2007, of negotiations with potentially responsible parties (the “PRPs”) regarding the implementation of the remedial design and remedial action (“RD/RA”) for Operable Unit No.1 (as defined below) at the Site, and EPA has provided the State with an opportunity to participate in the negotiations and be a party to this Consent Decree. The State has been participating in those negotiations and is a party to this Consent Decree.

D. In accordance with Section 122(j)(1) of CERCLA, 42 U.S.C. § 9622(j)(1), EPA notified the Department of Interior (“DOI”) on or about February 20, 2007, of negotiations with the PRPs regarding the release of hazardous substances that may have resulted in injury to the natural resources under Federal and State trusteeship.

E. Defendants Childress Royalty Company and Acme Land Company (“Childress” and “Acme” or “Settling Defendants”) do not admit any liability to the Plaintiffs arising out of the transactions or occurrences alleged in the Complaint, nor do they acknowledge that the release or threatened release of hazardous substance(s) at or from the Site constitutes an imminent or substantial endangerment to the public health or welfare or the environment.

F. Pursuant to Section 105 of CERCLA, 42 U.S.C. § 9605, the EPA placed the Site on the National Priorities List, set forth at 40 C.F.R. Part 300, Appendix B, by publication in the Federal Register on August 30, 1990, 55 Fed. Reg. 35502. In 1991, EPA commenced a site-wide Remedial Investigation and Feasibility Study (“RI/FS”) for the Site pursuant to 40 C.F.R. § 300.430 and the site-wide RI Report was completed by the EPA and other PRPs in 1995.

G. The United States asserts that a release or a substantial threat of a release of a hazardous substance(s) at or from the Site has caused the United States to incur as of April 2009, response costs of more than \$49,000,000 for this Site. Costs were incurred at each of five Operable Units (“OUs”), which EPA created to prioritize response activities in order of human health and environmental risks. The OUs include OU-1, Mining and Milling Wastes Cleanup; OU-2/3, Smelter and Mine Waste Residential Yard Cleanup (complete) ; OU-4, Alternate Water

Supply (complete); and OU-5, Spring River Watershed. Separate Feasibility Studies were conducted for each OU.

H. Under EPA oversight, the Feasibility Study (“FS”) Report for OU-4, Alternate Water Supply, was completed in 1998. OU-4 was the first priority because of the risk to human health. Pursuant to Section 117 of CERCLA, 42 U.S.C. § 9617, EPA published notice of the OU-4 FS completion and proposed plan in the Joplin Globe newspaper on March 16, 1998, an opportunity for comments was provided and a copy of the transcript of the public meeting is available in the administrative record for OU-4, upon which the Regional Administrator based the selection of the OU-4 response action. The remedial action decision by EPA on OU-4 was executed on July 29, 1998, with the concurrence of the State and published in accordance with CERCLA. As of December 1, 2008, EPA incurred over \$6,000,000 total costs associated with OU-4 activities, which included installation of four separate public water supply systems to replace over 500 private drinking water wells in the contaminated shallow aquifer. Public Water Supply District #3 (PWSD #3) is the system EPA installed down gradient of Settling Defendants’ properties. The Past Response Cost for PWSD #3 are \$3,733,360.20.

I. Under EPA oversight, the FS Report for OU-1 was completed in 1998. Pursuant to Section 117 of CERCLA, 42 U.S.C. § 9617, EPA published notice of the completion of the FS for OU-1 and of the proposed plan for remedial action on July 19, 2004, in the Joplin Globe newspaper. EPA provided an opportunity for written and oral comments from the public on the proposed plan for remedial action. A copy of the transcript of the public meeting is available to the public as part of the administrative record for OU-1 upon which the Regional Administrator based the selection of the OU-1 response action.

J. The decision by EPA on the remedial action to be implemented at OU-1 is embodied in a final Record of Decision (“OU-1 ROD”), executed on September 30, 2004, and the State has given its concurrence on the OU-1 ROD. The OU-1 ROD includes a responsiveness summary to the public comments. Notice of the final plan was published in accordance with Section 117(b) of CERCLA. EPA estimates that total response costs for OU-1 alone will be \$60,000,000.

K. Based on the information presently available to EPA and the MDNR, EPA and the MDNR believe that the Work for OU-1 will be properly and promptly conducted by the Settling Defendants if conducted in accordance with the requirements of this Consent Decree and its appendices.

L. Solely for the purposes of Section 113(j) of CERCLA, the Remedial Action (“RA”) selected in the OU-1 ROD and the Work to be performed by the Settling Defendants shall constitute a response action taken or ordered by the President.

M. The Parties recognize, and the Court by entering this Consent Decree finds, that this Consent Decree has been negotiated by the Parties in good faith and implementation of this Consent Decree will expedite the cleanup of the Site and will avoid prolonged and complicated litigation between the Parties, and that this Consent Decree is fair, reasonable, and in the public interest. Further, the Parties agree that upon entry by the Court, this Consent Decree constitutes a judicially approved settlement for purposes of Section 113(f) of CERCLA.

NOW, THEREFORE, it is hereby Ordered, Adjudged, and Decreed:

II. Jurisdiction

1. This Court has jurisdiction over the subject matter of this action pursuant to 28 U.S.C. §§ 1331 and 1345, and 42 U.S.C. §§ 9606, 9607 and 9613(b). This Court also has personal jurisdiction over the Settling Defendants. Solely for the purposes of this Consent Decree and the underlying complaint, the Settling Defendants waive all objections and defenses that they may have to jurisdiction of the Court or to venue in this District. The Settling Defendants shall not challenge the terms of this Consent Decree or this Court's jurisdiction to enter and enforce this Consent Decree.

III. Parties Bound

2. This Consent Decree applies to and is binding upon the United States and the State and upon the Settling Defendants and their heirs, successors and assigns. Any change in ownership or corporate status of the Settling Defendants including, but not limited to, any transfer of assets or real or personal property, shall in no way alter the Settling Defendants' responsibilities under this Consent Decree.

3. The Settling Defendants shall provide a copy of this Consent Decree to each contractor hired by them to perform the Work required by this Consent Decree and to each person representing the Settling Defendants with respect to the Site or the Work and shall condition all contracts entered into hereunder upon performance of the Work in conformity with the terms of this Consent Decree. The Settling Defendants or their contractors shall provide written notice of the Consent Decree to all subcontractors hired to perform any portion of the Work required by this Consent Decree. The Settling Defendants shall nonetheless be responsible for ensuring that their contractors and subcontractors perform the Work contemplated herein in accordance with this Consent Decree. With regard to the activities undertaken pursuant to this Consent Decree, each contractor and subcontractor shall be deemed to be in a contractual relationship with the Settling Defendants within the meaning of Section 107(b)(3) of CERCLA, 42 U.S.C. § 9607(b)(3).

IV. Definitions

4. Unless otherwise expressly provided herein, terms used in this Consent Decree that are defined in CERCLA or in regulations promulgated under CERCLA shall have the meaning assigned to them in such regulations. Whenever terms listed below are used in this Consent Decree or in the appendices attached hereto and incorporated hereunder, the following definitions shall apply:

“Associated Tributaries” shall mean those intermittent tributaries, including but not limited to any stream or miners ditch other than the Class P Streams as categorized by the State, that drain from or through the Hayland and Church Mitchell Parcels. The “Associated Tributaries” subject to the Work to be performed under this Consent Decree are shown with teal highlights on the EPA Map, Figure 1a, which is attached to the Statement of Work, Appendix B, herein.

“Affected Media” shall mean the physical attributes of each Parcel and its Associated Tributaries affected by releases of and from Source Material including but not limited to ground water, surface water, sediments and soils.

“CERCLA” shall mean the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. §§ 9601, *et seq.*

“Consent Decree” or “CD” shall mean this Decree and all appendices attached hereto (listed in Section XXIX). In the event of conflict between this Decree and any appendix, this Decree shall control.

“Day” shall mean a calendar day unless expressly stated to be a working day. “Working day” shall mean a day other than a Saturday, Sunday, or State or Federal holiday. In computing any period of time under this Consent Decree, where the last day would fall on a Saturday, Sunday, or State or Federal holiday, the period shall run until the close of business of the next working day.

“Effective Date” shall be the effective date of this Consent Decree as provided in Paragraph 103.

“EPA” shall mean the United States Environmental Protection Agency and any successor departments or agencies of the United States.

“Future Oronogo/Duenweg Costs” shall mean all response costs to be incurred by EPA or the State in implementing the OU-1 ROD response actions at the Unity #3 and Trinity areas and tributaries that are located in the Oronogo/Duenweg Designated Area (DA) and are shown with green and orange highlights on the EPA maps, Figures 1b and 1c, attached hereto as Exhibit D. Estimated Future Oronogo/Duenweg Costs are the basis for Settling Defendants’ cash-out payment to EPA under Section XVI, Paragraph 54.b, herein.

“Future State Oronogo/Duenweg Operation and Maintenance Costs” shall mean all costs to be incurred by the State in implementing the OU-1 ROD operation and maintenance activities at the Unity #3 and Trinity areas and tributaries that are located in the Oronogo/Duenweg Designated Area (DA) and are shown with green and orange highlights on the EPA maps, Figures 1b and 1c, attached hereto as Exhibit D. Estimated Future State Oronogo/Duenweg Operation and Maintenance Costs are the basis for Settling Defendants’ cash-out payment to the State under Section XVI, Paragraph 54.d, herein.

“Future Response Costs” shall mean all costs, including, but not limited to, direct and indirect costs, that the United States incurs in reviewing or developing plans, reports and other items pursuant to this Consent Decree, verifying the Work, or otherwise implementing, overseeing, or enforcing this Consent Decree, including, but not limited to, payroll costs, contractor costs, travel costs, laboratory costs, the costs incurred pursuant to Sections VII (Remedy Review), IX (Access and Institutional Control) (including, but not limited to, the cost of attorney time and any monies paid to secure access or to secure or implement institutional controls including, but not limited to, the amount of just compensation), XV (Emergency

Response), and Paragraph 84 of Section XXI (Work Takeover). Future Response Costs shall begin to accrue from the Effective Date of this Consent Decree. Future Response Costs do not include Future Oronogo/Duenweg Costs or Future State Oronogo/Duenweg Operation and Maintenance Costs.

“Institutional Controls” shall mean non-engineered instruments, such as administrative or legal controls that are intended to help to minimize the potential for human exposure to contamination remaining at levels that do not support unlimited use and unrestricted exposure or to protect the integrity of the remedy by restricting land, water or resource use or by providing information that helps modify or guide human behavior at the Site.

“Institutional Control Implementation and Assurance Plan” or “ICIAP” shall mean a plan for implementing and maintaining Institutional Controls selected by EPA in the OU-1 ROD for the Site as set forth in Section 3.8 of the SOW.

“Interest” shall mean interest at the rate specified for interest on investments of the EPA Hazardous Substance Superfund established by 26 U.S.C. § 9507, compounded annually on October 1 of each year, in accordance with 42 U.S.C. § 9607(a). The applicable rate of interest shall be the rate in effect at the time the interest accrues. The rate of interest is subject to change on October 1 of each year.

“MDNR” shall mean the Missouri Department of Natural Resources and any successor departments or agencies of the State.

“National Contingency Plan” or “NCP” shall mean the National Oil and Hazardous Substances Pollution Contingency Plan promulgated pursuant to Section 105 of CERCLA, 42 U.S.C. § 9605, codified at 40 C.F.R. Part 300, and any amendments thereto.

“Operation and Maintenance” or “O&M” shall mean all activities required to maintain the effectiveness of the RA for OU-1 as required under the Operation and Maintenance Plan approved or developed by EPA pursuant to this Consent Decree and the Statement of Work (“SOW”).

“Operable Unit 1” or “OU-1” shall mean response actions described in the ROD issued on September 30, 2004, and related to the Source Materials and Affected Media associated with former mining and milling operations at the Site.

“Operable Unit 4” or “OU-4” shall mean response actions related to the alternate water supply Record of Decision issued on July 29, 1998, at the Site.

“Paragraph” shall mean a portion of this Consent Decree identified by an Arabic numeral or an upper case letter.

“Parcel” shall mean each portion of the Site identified and set forth in Table 1 of the SOW, shown on the EPA Map, Figure 1a, which is attached to the Statement of Work, Appendix B, herein, and shall be subject to Remedial Action under this Consent Decree including all mine and mill wastes and/or associated metals contamination, such as transition

zone soils, emanating or spilling over from each Parcel onto adjacent lands.

“Parties” shall mean the United States, the State of Missouri, and the Settling Defendants.

“Past Response Costs” shall mean all costs, including, but not limited to, direct and indirect costs, that the United States paid at or in connection with OU-1 and OU-4 through the Effective Date of this Consent Decree, plus Interest on all such costs which has accrued pursuant to 42 U.S.C. § 9607(a).

“Performance Standards” shall mean the cleanup standards and other measures of achievement of the goals of the RA, set forth in Sections 10 and 13 of the OU-1 ROD and Section 1 of the SOW.

“Plaintiffs” shall mean the United States and the State of Missouri.

“RCRA” shall mean the Solid Waste Disposal Act, as amended, 42 U.S.C. §§ 6901 *et seq.* (also known as the Resource Conservation and Recovery Act).

“OU-1 Record of Decision” or “OU-1 ROD” shall mean the EPA Record of Decision relating to the OU-1 at the Site signed on September 30, 2004, by the Regional Administrator, EPA Region 7, or his/her delegates, and all attachments thereto. The OU-1 ROD is attached as Appendix A.

“Remedial Action” or “RA” shall mean those activities, except for O&M, to be undertaken by the Settling Defendants to implement the OU-1 ROD upon each Parcel and its Associated Tributaries, in accordance with the SOW and the final RD/RA Work Plan and other plans approved by EPA.

“Remedial Design/Remedial Action Work Plan” or “RD/RA Work Plan” shall mean the document developed pursuant to Paragraphs 10 and 11 of this Consent Decree and approved by EPA, and any amendments thereto.

“Remedial Design” or “RD” shall mean those activities to be undertaken by the Settling Defendants to develop the final plans and specifications for the RA to be conducted upon each Parcel and its Associated Tributaries pursuant to the RD/RA Design Work Plan.

“Section” shall mean a portion of this Consent Decree identified by a Roman numeral.

“Settling Defendants” shall mean Childress Royalty Company and Acme Land Company.

“Site” shall mean the Oronogo-Duenweg Mining Belt Superfund Site, commonly known as the Jasper County Superfund Site, encompassing approximately 270 square miles, including all the Designated Areas of contamination, surface streams, and any other areas of lead and zinc mining waste contamination located in Jasper County, Missouri, and the Iron Gates

Extension Designated Area in Newton County, Missouri. The entire “Site” is depicted generally on the map attached as Appendix C.

“Source Materials” shall mean mill wastes (commonly referred to as chat, fine tailings and vegetated chat), smelter wastes, and acid generating overburden.

“State” shall mean the State of Missouri.

“State Future Response Costs” shall mean all costs, including, but not limited to direct and indirect costs, that the State incurs in reviewing or developing plans, reports and other items pursuant to this Consent Decree, verifying the Work, or otherwise implementing, overseeing, or enforcing this Consent Decree, including, but not limited to, payroll costs, contractor costs, travel costs, laboratory costs, the costs incurred pursuant to Sections VI, VII, IX (including, but not limited to, the cost of attorney time and any monies paid to secure access or to secure or implement institutional controls including, but not limited to, the amount of just compensation), XV, and Paragraph 84 of Section XXI. State Future Response Costs shall begin to accrue from the date of entry of this Consent Decree. Notwithstanding the foregoing, State Future Response Costs shall not include costs incurred by the State that, by reason of any cost-sharing agreement between the United States and the State, are Future Response Costs of the United States.

“Statement of Work” or “SOW” shall mean the statement of work for implementation of the OU-1 ROD for RD/RA, and Operation and Maintenance at the Parcels and Associated Tributaries identified in Table 1 of the SOW. The SOW is set forth in Appendix B to this Consent Decree and includes any all of its appended tables, maps and modifications thereto made in accordance with this Consent Decree.

“Supervising Contractor” shall mean the principal contractor retained by the Settling Defendants to supervise and direct the implementation of the Work under this Consent Decree.

“Transfer” shall mean to, directly or indirectly, sell, assign, convey, lease, mortgage, transfer, pledge, hypothecate, encumber, grant a security interest in, exchange or otherwise dispose of any interest or grant any option or warrant with respect to, or where used as a noun, a direct or indirect sale, assignment, conveyance, pledge or other disposition of any interest by any means whatsoever whether voluntary, involuntary, by operation of law or otherwise.

“United States” shall mean the United States of America.

“Waste Material” shall mean (1) any “hazardous substance” under Section 101(14) of CERCLA, 42 U.S.C. § 9601(14); (2) any pollutant or contaminant under Section 101(33), 42 U.S.C. §§ 9601(33); [(3) any “solid waste” under Section 1004(27) of RCRA, 42 U.S.C. § 6903(27); and (4) any “hazardous material” under RSMo Section 260.500(5)(2000).

“Work” shall mean all activities the Settling Defendants are required to perform under this Consent Decree, except those required by Section XXV (Retention of Records).

V. General Provisions

5. Objectives of the Parties. The objectives of the Parties in entering into this Consent Decree are to protect public health or welfare or the environment at the Site by the design and implementation of response actions at the Parcels and Associated Tributaries by the Settling Defendants, to reimburse response costs of the Plaintiffs, and to resolve the OU-1 and OU-4 claims of Plaintiffs against the Settling Defendants as provided in Section XXI, Covenants Not to Sue by Plaintiffs and subject to the Plaintiffs' general reservation of rights, herein this Consent Decree. In addition, a mutual objective of the Parties in entering into this Consent Decree is for the Settling Defendants to make cash payments to the United States and the State to address the Settling Defendants' liability for Past Response Costs, Future Oronogo/Duenweg Costs, and Future State Oronogo/Duenweg Operation and Maintenance Costs, as provided in Section XVI, Payment of Response Costs, herein.

6. Commitments by Settling Defendants.

a. In accordance with this Consent Decree, the Settling Defendants shall make cash payments to the United States and the State, finance and perform the Work in accordance with the OU-1 ROD, the SOW, and all work plans and other plans, standards, specifications, and schedules set forth herein or developed by Settling Defendants and approved by EPA pursuant to this Consent Decree. The Settling Defendants shall reimburse the United States for Future Response Costs and the State for State Future Response Costs associated with the Settling Defendants' Work at the Parcels and Associated Tributaries as provided in this CD and the SOW, Appendix B herein.

b. The Settling Defendants shall reimburse the United States for Past Response Costs associated with OU-4 as provided in this CD.

c. The obligations of Settling Defendants to finance and perform the Work and to pay amounts owed the United States and the State under this Consent Decree are joint and several. In the event of the insolvency or other failure of any one Settling Defendant to implement the requirements of this Consent Decree, the remaining Settling Defendant shall complete all such requirements.

7. Compliance With Applicable Law. All activities undertaken by the Settling Defendants pursuant to this Consent Decree shall be performed in accordance with the requirements of all applicable federal and state laws and regulations. The Settling Defendants must also comply with all applicable or relevant and appropriate requirements of all Federal and state environmental laws as set forth in the OU-1 ROD and the SOW. The activities conducted pursuant to this Consent Decree, if approved by EPA, shall be considered to be consistent with the NCP.

8. Permits.

a. As provided in Section 121(e) of CERCLA and Section 300.400(e) of the NCP, no permit shall be required for any portion of the Work conducted entirely on-site (i.e.,

within the areal extent of contamination or in very close proximity to the contamination and as necessary for implementation of the Work). Where any portion of the Work that is not on-site requires a federal or state permit or approval, the Settling Defendants shall submit timely and complete applications and take all other actions necessary to obtain all such permits or approvals.

b. The Settling Defendants may seek relief under the provisions of Section XVIII (Force Majeure) of this Consent Decree for any delay in the performance of the Work resulting from a failure to obtain, or a delay in obtaining, any permit required for the Work.

c. This Consent Decree is not, and shall not be construed to be, a permit issued pursuant to any federal or state statute or regulation.

VI. Performance of the Work By Settling Defendants

9. Selection of Supervising Contractor.

a. All aspects of the Work to be performed by the Settling Defendants pursuant to Sections VI (Performance of the Work by Settling Defendants), VII (Remedy Review), VIII (Quality Assurance, Sampling and Data Analysis), and XV (Emergency Response) of this Consent Decree shall be under the direction and supervision of the Settling Defendants' Supervising Contractor, the selection of which shall be subject to disapproval by EPA after a reasonable opportunity for review and comment by the MDNR. Within 10 days after the lodging of this Consent Decree, the Settling Defendants shall notify EPA and the MDNR in writing of the name, title, and qualifications of any contractor proposed to be the Supervising Contractor. With respect to any contractor proposed to be a Supervising Contractor, the Settling Defendants shall demonstrate that the proposed contractor has a quality system that complies with ANSI/ASQC E4-1994, *Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs*, (American National Standard, January 5, 1995), by submitting a copy of the proposed contractor's Quality Management Plan (QMP). The QMP should be prepared in accordance with *EPA Requirements for Quality Management Plans (QA/R-2)* (EPA/240/B-01/002, March 2001) or equivalent documentation as determined by EPA. EPA will issue a notice of disapproval or an authorization to proceed. If at any time thereafter, the Settling Defendants propose to change a Supervising Contractor, the Settling Defendants shall give such notice to EPA and the MDNR and must obtain an authorization to proceed from EPA, after a reasonable opportunity for review and comment by the MDNR, before the new Supervising Contractor performs, directs, or supervises any Work under this Consent Decree.

b. If EPA disapproves a proposed Supervising Contractor, EPA will notify the Settling Defendants in writing. The Settling Defendants shall submit to EPA and the MDNR a list of contractors, including the qualifications of the contractor, that would be acceptable to it within 30 days of receipt of EPA's disapproval of the contractor previously proposed. EPA, after a reasonable opportunity for review and comment by MDNR, will provide written notice of the names of any contractor(s) that it disapproves and an authorization to proceed with respect to any of the other contractors. The Settling Defendants may select any contractor from that list that is

not disapproved and shall notify EPA and the MDNR of the name of the contractor selected within 90 days of EPA's authorization to proceed.

c. If EPA fails to provide written notice of its authorization to proceed or disapproval as provided in this Paragraph and this failure prevents the Settling Defendants from meeting one or more deadlines in a plan approved by the EPA pursuant to this Consent Decree, the Settling Defendants may seek relief under the provisions of Section XVIII (Force Majeure) hereof.

10. Remedial Design.

a. Within 30 days after EPA's issuance of an authorization to proceed pursuant to the preceding Paragraph 9, the Settling Defendants shall submit to EPA and the MDNR a work plan for the design and implementation of the RD/RA for all Parcels and Associated Tributaries identified in the SOW. The Settling Defendants' RD/RA Plan shall provide for design of the remedy as set forth in the OU-1 ROD, in accordance with the SOW and for achievement of the Performance Standards and other requirements set forth in said OU-1 ROD, this Consent Decree or the SOW. Upon its approval by EPA, after a reasonable opportunity for review and comment by MDNR, the Settling Defendants' RD/RA Work Plan shall be incorporated into and become enforceable under this Consent Decree. Within 30 days after EPA's issuance of an authorization to proceed pursuant to the preceding Paragraph 9, the Settling Defendants shall submit to EPA and MDNR a Health and Safety Plan for field design and remedial action activities which conforms to the applicable Occupational Safety and Health Administration and EPA requirements including, but not limited to, 29 C.F.R. § 1910.120.

b. Preliminary Design Work and tasks described in the SOW on the Settling Defendants' initial Parcel and Associated Tributaries shall commence within 60 days of EPA's approval of the Settling Defendants' RD/RA Work Plan.

c. The Settling Defendants' RD/RA Work Plan shall include plans and schedules for implementation of all remedial design and pre-design tasks identified in the SOW, including, but not limited to: (1) Design Criteria Report; (2) Sampling and Analysis Plan (SAP); (3) Quality Assurance Project Plan (QAPP); (4) Health and Safety Plan; (5) Performance Standard Verification Plan; (6) Construction Quality Assurance Plan; (7) Operation and Maintenance Plan; and (8) Institutional Controls Implementation Assurance Plan (ICIAP). The Settling Defendants shall submit to the EPA and MDNR all plans, submittals and other deliverables required under their approved RD/RA Work Plan in accordance with the approved schedule for review and approval pursuant to Section XI (EPA Approval of Plans and Other Submissions).

d. Upon approval of the Settling Defendants' RD/RA Work Plan by EPA, after a reasonable opportunity for review and comment by MDNR, the Settling Defendants shall implement the RD/RA Work Plan. The Settling Defendants shall submit to EPA and MDNR all plans, submittals and other deliverables required under their approved RD/RA Work Plan in accordance with the approved schedule for review and approval pursuant to Section XI (EPA Approval of Plans and Other Submissions). Unless otherwise directed by EPA, the Settling Defendants shall not commence further RD/RA activities at the Site prior to approval of the RD/RA Work Plan.

e. Within 60 days of EPA approval of the RD/RA Work Plan, the Settling Defendants shall submit the Preliminary Design Document submittal for the Parcels and their Associated Tributaries. The Preliminary Design Document shall include, at a minimum, the

following: (1) volume of tailings to be excavated and disposed of subaqueously, (2) volume and area of tailings to be consolidated and capped in-place, (3) volume of tailings to be consolidated for future sale by owner, (4) volume and area of soil exceeding remedial action levels, (5) location and capacity of voids to be used for subaqueous disposal, (6) location and description of surface water diversion structures, (7) location of overflowing shafts to be plugged and detailed plugging plans, (8) preliminary cap design, (9) design calculations and outline of design specifications, (10) access, easement and permit requirements, and (11) preliminary construction schedule. Any value engineering proposals must be identified and evaluated during this review.

f. Within 45 days after receipt of EPA's comments on the Preliminary Design Document, the Settling Defendants shall submit the Pre-final/Final Design Documents for each Parcel and its Associated Tributaries. The Pre-final/Final Design Documents shall include, at a minimum, the following: (1) final volume calculations, (2) design specifications, (3) final design drawings, (4) final Performance Standard Verification Plan; and (5) final Project Schedule. The Pre-Final/Final Design Document shall detail the approach to quality assurance during construction activities at the Site, shall specify a quality assurance official ("QA Official"), independent of the Supervising Contractor, to conduct a quality assurance program during the construction phase of the project.

11. Remedial Action. In addition to the design components in Paragraph 10, the RD/RA Work Plan shall provide for construction and implementation of the remedy set forth in the OU-1 ROD and achievement of the Performance Standards, in accordance with this Consent Decree, the OU-1 ROD, the SOW, and the design plans and specifications developed in accordance with the Remedial Design documents as approved by EPA.

a. The Settling Defendants' RD/RA Work Plan shall include the following: (1) schedule for completion of the Remedial Action at each Parcel and its Associated Tributaries; (2) method for selection of the remedial action contractor(s); (3) methods for satisfying permitting requirements; (4) methodology for implementation of the Operation and Maintenance Plan; (5) tentative formulation of the Remedial Action team; (6) construction quality control plan (by constructor); and, (7) procedures and plans for the decontamination of equipment and the disposal of contaminated materials. The RD/RA Work Plan also shall include a schedule for implementation of all Remedial Action tasks identified in the Final Design Document, including implementation and establishment of Institutional Controls according to the ICIAP, and shall identify the initial formulation of the Settling Defendants' Remedial Action Project Team (including, but not limited to, the Supervising Contractor).

b. Within 30 days of EPA's approval of the Settling Defendants' Final Design Document for each Parcel and its Associated Tributaries, the Settling Defendants shall implement the RA at that Parcel and Associated Tributaries. The RA construction for a Parcel and its Associated Tributaries shall include activities and reports for (1) the Pre-Construction Inspection (which shall occur prior to initiation of the RA on a each Parcel and its Associated Tributaries); (2) the Pre-Final Inspection; (3) the Final Inspection; and, (4) the Construction Completion as specified in the SOW. The Settling Defendants shall submit to EPA and the MDNR all plans, submittals, or other deliverables required under their approved RD/RA Work Plan for each Parcel and Associate Tributaries in accordance with the approved schedule for review and approval pursuant to Section XI (EPA Approval of Plans and Other Submissions).

Unless otherwise directed by EPA, the Settling Defendants shall not commence physical Remedial Action activities at the Site prior to approval of their RD/RA Work Plan.

12. The Settling Defendants shall continue to implement the RA and O&M for each Parcel and its Associated Tributaries identified in the SOW until the Performance Standards are achieved and for so long thereafter as is otherwise required under this Consent Decree.

13. Modification of the SOW or Related Work Plans.

a. If EPA, after consultation with MDNR, determines that modification to the Work at any Parcel or Associated Tributaries specified in the SOW or in work plans developed pursuant to the SOW is necessary to achieve and maintain the Performance Standards or to carry out and maintain the effectiveness of the remedy set forth in the OU-1 ROD, EPA may require that such modification be incorporated in the SOW or such work plans, provided, however, that a modification may only be required pursuant to this Paragraph to the extent that it is consistent with the scope of the remedy selected in the OU-1 ROD.

b. For the purposes of this Paragraph 13 and Paragraph 52 (Completion of the Work) only, the “scope of the remedy selected in the OU-1 ROD” is fully described in the SOW and includes:

- Excavation and removal or consolidation for subsequent use of (1) source materials; (2) contaminated soil; and, (3) selected stream sediments exceeding Remedial Action Levels identified in Section 1 of the SOW.
- Subaqueous disposal of excavated Source Materials, contaminated soils and sediments in mine subsidence pits.
- Recontouring and revegetating excavated areas.
- Plugging of selected mine shafts and surface water diversion from mine openings.
- A monitoring program for assessing the effect of cleanup on Site streams.
- Institutional controls to regulate development in contaminated areas and the use of the disposal areas, consolidation for subsequent use areas, and capped areas.

c. If the Settling Defendants object to any modification determined by EPA to be necessary pursuant to this Paragraph, they may seek dispute resolution pursuant to Section XIX (Dispute Resolution), and Paragraph 67 (administrative record review). The SOW or related work plans shall be modified in accordance with final resolution of the dispute.

d. The Settling Defendants shall implement any work required by any modifications incorporated in the SOW or in work plans developed pursuant to the SOW in accordance with this Paragraph.

e. Nothing in this Paragraph shall be construed to limit Plaintiffs’ authority to require performance of further response actions as otherwise provided in this Consent Decree.

14. The Settling Defendants acknowledge and agree that nothing in this Consent Decree, the SOW, or the RD/RA Work Plans constitutes a warranty or representation of any kind by Plaintiffs that compliance with the work requirements set forth in the SOW and the Work Plans will achieve the Performance Standards.

15. Hazardous Waste Shipments.

a. The Settling Defendants shall, prior to any off-Site shipment of Waste Material from the Site to an out-of-state waste management facility, provide written notification to the appropriate state environmental official in the receiving facility's state and to the EPA and MDNR Project Coordinators of such shipment of Waste Material. However, this notification requirement shall not apply to any off-Site shipments when the total volume of all such shipments will not exceed 10 cubic yards.

(1) The Settling Defendants shall include in the written notification the following information, where available: (i) the name and location of the facility to which the Waste Material is to be shipped; (ii) the type and quantity of the Waste Material to be shipped; (iii) the expected schedule for the shipment of the Waste Material; and (iv) the method of transportation. The Settling Defendants shall notify the state in which the planned receiving facility is located of major changes in the shipment plan, such as a decision to ship the Waste Material to another facility within the same state, or to a facility in another state.

(2) The identity of the receiving facility and state will be determined by the Settling Defendants following the award of the contract for Remedial Action construction. The Settling Defendants shall provide the information required by Subparagraph 15.a. as soon as practicable after the award of the contract and before the Waste Material is actually shipped.

b. Before shipping any hazardous substances, pollutants, or contaminants from the Site to an off-site location, the Settling Defendants shall obtain EPA's certification that the proposed receiving facility is operating in compliance with the requirements of CERCLA Section 121(d)(3) and 40 C.F.R. 300.440. The Settling Defendants shall only send hazardous substances, pollutants, or contaminants from the Site to an off-site facility that complies with the requirements of the statutory provision and regulations cited in the preceding sentence.

VII. OU-1 Remedy Review

16. Periodic Review. The Settling Defendants shall conduct O&M activities as defined in the EPA-approved RD/RA Work Plan, and provide the resulting data or other information to EPA and MDNR. EPA, in consultation with MDNR, will use such information and any other available information to conduct reviews of whether the OU-1 RA for any Parcel(s) and Associated Tributaries is protective of human health and the environment at least every five years as required by Section 121© of CERCLA and any applicable regulations.

17. EPA Selection of Further Response Actions. If EPA determines, after consulting with MDNR, at any time, that the Remedial Action at any Parcel(s) and Associated Tributaries is not protective of human health and the environment, EPA, in consultation with MDNR, may

select further response actions for any Parcel(s) and Associated Tributaries in accordance with the requirements of CERCLA and the NCP. EPA may direct the Settling Defendants to conduct the additional RA.

18. Opportunity To Comment. The Settling Defendants and, if required by Sections 113(k)(2) or 117 of CERCLA, the public, will be provided with an opportunity to comment on any further response actions proposed by EPA as a result of the review conducted pursuant to Section 121(c) of CERCLA and to submit written comments for the record during the comment period.

19. The Settling Defendants' Obligation To Perform Further Response Actions. If EPA, in consultation with MDNR, selects further response actions for any Parcel(s) and Associated Tributaries, the Settling Defendants shall undertake such further response actions at each Parcel and its Associated Tributaries to the extent that the EPA determines that the RA is not protective of human health and the environment. The Settling Defendants may invoke the procedures set forth in Section XIX (Dispute Resolution) to dispute (1) EPA's determination that the RA is not protective of human health and the environment or (2) EPA's selection of further OU-1 response actions. Disputes pertaining to whether the Remedial Action is protective or to EPA's selection of further response actions shall be resolved pursuant to Paragraph 67 (administrative record review).

20. Submissions of Plans. If the Settling Defendants are required to perform the further response actions pursuant to the preceding Paragraph 19, they shall submit a plan for such work to EPA and MDNR for approval in accordance with the procedures set forth in Section VI (Performance of the Work by Settling Defendants) and shall implement the plan approved by EPA in accordance with the provisions of this Decree.

VIII. Quality Assurance, Sampling, and Data Analysis

21. The Settling Defendants shall use quality assurance, quality control, and chain of custody procedures for all treatability, design, compliance and monitoring samples in accordance with *EPA Requirements for Quality Assurance Project Plans (QA/R5)* (EPA/240/B-01/003, March 2001), *Guidance for Quality Assurance Project Plans (QA/G-5)* (EPA/600/R-98/018, February 1998), and subsequent amendments to such guidelines upon notification by EPA to the Settling Defendants of such amendment. Amended guidelines shall apply only to procedures conducted after such notification. Prior to the commencement of any monitoring project under this Consent Decree, the Settling Defendants shall submit to EPA for approval, after a reasonable opportunity for review and comment by the MDNR, a Quality Assurance Project Plan (“QAPP”) that is consistent with the SOW, the NCP and applicable guidance documents. If relevant to the proceeding, the Parties agree that validated sampling data generated in accordance with the QAPP(s) and reviewed and approved by EPA shall be admissible as evidence, without objection, in any proceeding under this Decree. The Settling Defendants shall ensure that EPA and State personnel and their authorized representatives are allowed access at reasonable times to all laboratories utilized by the Settling Defendants in implementing this Consent Decree. In addition, the Settling Defendants shall ensure that such laboratories shall analyze all samples submitted by EPA or MDNR pursuant to the QAPP for quality assurance monitoring.

22. The Settling Defendants shall ensure that the laboratories they utilize for the analysis of samples taken pursuant to this Decree perform all analyses according to accepted EPA methods. Accepted EPA methods consist of those methods which are documented in the *Contract Lab Program (CLP) Statement of Work for Inorganic Analysis* and the *Contract Lab Program Statement of Work for Organic Analysis*, dated February 1988, and any amendments made thereto during the course of the implementation of this Decree; however, upon approval by EPA, after opportunity for review and comment by MDNR, the Settling Defendants may use other analytical methods which are as stringent as or more stringent than the CLP- approved methods. The Settling Defendants shall ensure that all laboratories they use for analysis of samples taken pursuant to this Consent Decree participate in an EPA or EPA-equivalent QA/QC program. The Settling Defendants shall only use laboratories that have a documented Quality System which complies with ANSI/ASQC E4-1994, *Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs*, (American National Standard, January 5, 1995), and *EPA Requirements for Quality Management Plans (QA/R-2)*, (EPA/240/B-01/002, March 2001) or equivalent documentation as determined by EPA. EPA may consider laboratories accredited under the National Environmental Laboratory Accreditation Program (“NELAP”) as meeting the Quality System requirements. Settling Defendants shall ensure that all field methodologies utilized in collecting samples for subsequent analysis pursuant to this Consent Decree will be conducted in accordance with the procedures set forth in the QAPP approved by EPA.

23. Upon request, the Settling Defendants shall allow split or duplicate samples to be taken by EPA and MDNR or their authorized representatives. The Settling Defendants shall notify EPA and MDNR not less than 28 days in advance of any sample collection activity unless shorter notice is agreed to by EPA. In addition, EPA and MDNR shall have the right to take any additional samples that EPA or MDNR deems necessary. Upon request, EPA and MDNR shall allow the Settling Defendants to take split or duplicate samples of any samples they take as part of the Plaintiffs' oversight of the Settling Defendants' implementation of the Work.

24. The Settling Defendants shall submit to EPA and MDNR four (4) copies of the results of all sampling or tests or other data obtained or generated by or on behalf of Settling Defendants with respect to the Site or the implementation of this Consent Decree unless EPA agrees otherwise.

25. Notwithstanding any provision of this Consent Decree, the United States and the State hereby retain all of their information gathering and inspection authorities and rights, including enforcement actions related thereto, under CERCLA, RCRA and any other applicable statutes or regulations.

IX. Access and Institutional Controls

26. If the Site, or any other property where access or land/water use restrictions are needed to implement this Consent Decree, is owned or controlled by the Settling Defendants, the Settling Defendants shall:

a. commencing on the date of lodging of this Consent Decree, provide the United States, the State, and their representatives, including EPA and its contractors, with access at all reasonable times to the Site, or such other property, for the purpose of conducting any activity related to this Consent Decree including, but not limited to, the following activities:

- (1) Monitoring the Work;
- (2) Verifying any data or information submitted to the United States or the State;
- (3) Conducting investigations relating to contamination at or near the Site;
- (4) Obtaining samples;
- (5) Assessing the need for, planning, or implementing additional response actions at or near the Site;
- (6) Assessing implementation of quality assurance and quality control practices as defined in the approved Quality Assurance Project Plans;
- (7) Implementing the Work pursuant to the conditions set forth in paragraph 84 (Work Takeover) of this Consent Decree
- (8) Inspecting and copying records, operating logs, contracts, or other documents maintained or generated by the Settling Defendants or their agents, consistent with Section XXIV (Access to Information);
- (9) Assessing the Settling Defendants' compliance with this Consent Decree; and
- (10) Determining whether the Site or other property is being used in a manner that is prohibited or restricted, or that may need to be prohibited or restricted, by or pursuant to this Consent Decree;

b. commencing on the date of lodging of this Consent Decree, refrain from using the Site, or such other property, in any manner that would interfere with or adversely affect the implementation, integrity, or protectiveness of the remedial measures to be performed pursuant to this Consent Decree. Such restrictions include, but are not limited to protecting disposal area caps, consolidation areas, and containment area caps; and,

c. in accordance with the EPA-approved ICIAP, execute and record in the Recorder of Deeds Office of Jasper County, State of Missouri, a covenant, running with the land, that (i) grants a right of access for the purpose of conducting any activity related to this Consent Decree including, but not limited to, those activities listed in Paragraph 26.a of this Consent Decree, and (ii) grants the right to enforce the land/water use restrictions listed in Paragraph 26.b of this Consent Decree, or other restrictions that EPA determines, after consulting with MDNR, are necessary to implement, ensure non-interference with, or ensure the protectiveness of the remedial measures to be performed pursuant to this Consent Decree. The Settling Defendants shall grant the access rights and the rights to enforce the land/water use restrictions to (i) the United States, on behalf of EPA, and its representatives, (ii) the State and its representatives, or (iii) other appropriate grantees; and, in the case of (ii)(iii) and (iv) above, shall include a designation of EPA (or the state as appropriate) as a "third party beneficiary" allowing EPA to maintain the right to enforce the covenant without the acquisition of an interest in real property. The Settling Defendants shall, in accordance with the ICIAP and the SOW schedules, submit to EPA and MDNR for review and approval, after a reasonable opportunity for review and comment

by MDNR, with respect to such property:

- (1) a draft covenant that substantially conforms to §§ 260.1000-260.1039, RSMo, and
- (2) a current title insurance commitment or some other evidence of title acceptable to EPA, which shows title to the land described in the easement to be free and clear of all prior liens and encumbrances (except when those liens or encumbrances are approved by EPA or when, despite best efforts, Settling Defendants are unable to obtain release or subordination of such prior liens or encumbrances).
- (3) Within 15 days of EPA's approval and acceptance of the covenant and the title evidence, the Settling Defendants shall update the title search and, if it is determined that nothing has occurred since the effective date of the commitment to affect the title adversely, record the easement with the Recorder of Deeds Office of Jasper County. Within 30 days of recording the easement, the Settling Defendants shall provide EPA with a final title insurance policy, or other final evidence of title acceptable to EPA, and a certified copy of the original recorded easement showing the clerk's recording stamps. If the easement is to be conveyed to the United States, the easement and title evidence (including final title evidence) shall be prepared in accordance with the U.S. Department of Justice Title Standards 2001, and approval of the sufficiency of title must be obtained as required by 40 U.S.C. § 255.

27. If the Site, or any other property where access or land/water use restrictions are needed to implement this Consent Decree, is owned or controlled by persons other than the Settling Defendants, the Settling Defendants shall use best efforts to secure from such persons:

a. an agreement to provide access thereto for the Settling Defendants, as well as for the United States on behalf of EPA, and the State, as well as their representatives (including contractors), for the purpose of conducting any activity related to this Consent Decree including, but not limited to the following activities:

- (1) Monitoring the Work;
- (2) Verifying any data or information submitted to the United States or the State;
- (3) Conducting investigations relating to contamination at or near the Site;
- (4) Obtaining samples;
- (5) Assessing the need for, planning, or implementing additional response actions at or near the Site;
- (6) Assessing implementation of quality assurance and quality control practices as defined in the approved Quality Assurance Project Plans;
- (7) Implementing the Work pursuant to the conditions set forth in Paragraph 93 (Work Takeover) of this Consent Decree;
- (8) Inspecting and copying records, operating logs, contracts, or other documents maintained or generated by Settling Defendants or their agents, consistent with Section XXV (Access to Information);
- (9) Assessing the Settling Defendants' compliance with this Consent Decree; and
- (10) Determining whether the Site or other property is being used in a manner that is prohibited or restricted, or that may need to be prohibited or restricted, by or

pursuant to this Consent Decree;

b. an agreement, enforceable by the Settling Defendants and the Plaintiffs, to refrain from using the Site, or such other property, in any manner that would interfere with or adversely affect the implementation, integrity, or protectiveness of the remedial measures to be performed pursuant to this Consent Decree. Such restrictions include, but are not limited to protecting disposal area caps, consolidation areas, and containment area caps; and

c. in accordance with the EPA-approved ICIAP, the execution and recordation in the Recorder of Deeds Office for Jasper County, State of Missouri, of a covenant, running with the land, that (i) grants a right of access for the purpose of conducting any activity related to this Consent Decree, and (ii) grants the right to enforce the land/water use restrictions or other restrictions that EPA, after consulting with MDNR, determines are necessary to implement, ensure non-interference with, or ensure the protectiveness of the remedial measures to be performed pursuant to this Consent Decree. The access rights or rights to enforce land/water use restrictions shall be granted to one or more of the following persons: (i) the United States, on behalf of EPA, and its representatives; (ii) the State and its representatives; (iii) the Settling Defendants and their representatives; or (iv) other appropriate grantees, and, in the case of (ii), (iii) and (iv) above, shall include a designation of EPA (or the state as appropriate) as a "third party beneficiary" allowing EPA to maintain the right to enforce the easement/covenant without the acquisition of an interest in real property. In accordance with the ICIAP and the SOW schedules, the Settling Defendants shall submit to EPA for review and approval, after a reasonable opportunity for MDNR to review and comment, with respect to such property:

(1) a draft covenant that is enforceable under the laws of the State of Missouri, including the Missouri Uniform Environmental Covenants Act of 2006 (MoECA) §§ 260.1000-260.1039, RSMo;

(2) a current title insurance commitment, or some other evidence of title acceptable to EPA, which shows title to the land described in the covenant to be free and clear of all prior liens and encumbrances (except when those liens or encumbrances are approved by EPA or when, despite best efforts, the Settling Defendants are unable to obtain release or subordination of such prior liens or encumbrances); and

(3) Within 15 days of EPA's approval and acceptance of the covenant and the title evidence, the Settling Defendants shall update the title search and, if it is determined that nothing has occurred since the effective date of the commitment to affect the title adversely, the covenant shall be recorded with the Recorder of Deed's Office of Jasper County. Within 30 days of the recording of the covenant, the Settling Defendants shall provide EPA and MDNR with a final title insurance policy, or other final evidence of title acceptable to EPA, and a certified copy of the original recorded covenant showing the clerk's recording stamps. If covenant is to be conveyed to the United States, the covenant and title evidence (including final title evidence) shall be prepared in accordance with the U.S. Department of Justice Title Standards 2001, and approval of the sufficiency of title must be obtained as required by 40 U.S.C. § 255.

28. For purposes of Paragraph 27 of this Consent Decree, "best efforts" includes the incurrence of reasonable expenses in obtaining and perfecting the right of access, access covenants, easements, land/water use restrictions, restrictive covenants or an agreement to release or subordinate a prior lien or encumbrance. If (a) any access or land/water use restriction

agreements required by Paragraph 27 of this Consent Decree are not obtained within the time allowed under the SOW schedule; (b) any access covenants or restrictive covenants required by Paragraph 27.c. of this Consent Decree are not submitted to EPA and MDNR in draft form within the time allowed under the SOW schedule; or (c) the Settling Defendants are unable to obtain an agreement pursuant to Paragraph 27.c.(1) from the holder of a prior lien or encumbrance to release or subordinate such lien or encumbrance to the covenant being created pursuant to this Consent Decree within the time allowed under the SOW schedule, the Settling Defendants shall promptly notify the United States and the State in writing, and shall include in that notification a summary of the steps that the Settling Defendants have taken to attempt to comply with Paragraph 27 of this Consent Decree. The Plaintiffs may, as they deem appropriate, assist the Settling Defendants in obtaining access or land/water use restrictions, either in the form of contractual agreements or in the form of covenants running with the land, or in obtaining the release or subordination of a prior lien or encumbrance. The Settling Defendants shall reimburse the Plaintiffs in accordance with the procedures in Section XVI (Payments of Response Costs), for all costs incurred, direct or indirect, by the Plaintiffs in obtaining such access, land/water use restrictions, or the release/subordination of prior liens or encumbrances including, but not limited to, the cost of attorney time and the amount of monetary consideration paid or just compensation.

29. If EPA, after consulting with MDNR, determines that land/water use restrictions in the form of state or local laws, regulations, ordinances or other governmental controls are needed to implement the remedy selected in the OU-1 ROD, ensure the integrity and protectiveness thereof, or ensure non-interference therewith, the Settling Defendants shall cooperate with EPA's and MDNR's efforts to secure such governmental controls.

30. Notwithstanding any provision of this Consent Decree, the United States and the State retain all of their access authorities and rights, as well as all of their rights to require land/water use restrictions, including enforcement authorities related thereto, under CERCLA, RCRA and any other applicable statute or regulations.

X. Reporting Requirements

31. In addition to any other requirement of this Consent Decree, the Settling Defendants shall submit to EPA and MDNR two (2) copies of written monthly progress reports that: (a) describe the actions which have been taken toward achieving compliance with this Consent Decree during the previous month; (b) include a summary of all results of sampling and tests and all other data received or generated by the Settling Defendants or their contractors or agents in the previous month; (c) identify all work plans, design documents, plans and other deliverables required by this Consent Decree completed and submitted during the previous month; (d) describe all actions, including, but not limited to, data collection and implementation of the Work, which are scheduled for the next six weeks and provide other information relating to the progress of construction, including, but not limited to, critical path diagrams, Gantt charts and Pert charts; (e) include information regarding percentage of completion, unresolved delays encountered or anticipated that may affect the future schedule for implementation of the Work, and a description of efforts made to mitigate those delays or anticipated delays; (f) include any modifications to the work plans, deliverables or other schedules that the Settling Defendants have proposed to EPA and the MDNR or that have been approved by EPA; and (g) describe all activities undertaken in support of the Community Relations Plan during the previous month and

those to be undertaken in the next six weeks. The Settling Defendants shall submit these progress reports to EPA and the MDNR by the tenth day of every month following the lodging of this Consent Decree until EPA notifies the Settling Defendants pursuant to Paragraph 52.d of Section XIV (Certification of Completion). If requested by EPA or the MDNR, the Settling Defendants shall also provide briefings for EPA and the MDNR to discuss the progress of the Work.

32. The Settling Defendants shall notify EPA and the MDNR of any change in the schedule described in the monthly progress report for the performance of any activity, including, but not limited to, data collection and implementation of the Work, no later than seven days prior to the performance of the activity.

33. Upon the occurrence of any event during performance of the Work that the Settling Defendants are required to report pursuant to Section 103 of CERCLA or Section 304 of the Emergency Planning and Community Right-to-know Act (EPCRA), the Settling Defendants shall within 24 hours of the onset of such event orally notify the EPA and the MDNR Project Coordinators or the Alternate EPA and MDNR Project Coordinators (in the event of the unavailability of the EPA or MDNR Project Coordinators), or, in the event that neither the EPA or MDNR Project Coordinators or Alternate EPA and MDNR Project Coordinators is available, the Emergency Response Section, Region 7, United States Environmental Protection Agency. These reporting requirements are in addition to the reporting required by CERCLA Section 103 or EPCRA Section 304.

34. Within 20 days of the onset of such an event, the Settling Defendants shall furnish to Plaintiffs a written report, signed by the Settling Defendants' Project Coordinator, setting forth the events which occurred and the measures taken, and to be taken, in response thereto. Within 30 days of the conclusion of such an event, the Settling Defendants shall submit a report setting forth all actions taken in response thereto.

35. The Settling Defendants shall submit two (2) copies of all plans, reports, and data required by the SOW, the Remedial Design Work Plan, the Remedial Action Work Plan, or any other approved plans to EPA in accordance with the schedules set forth in such plans. The Settling Defendants shall simultaneously submit two (2) copies of all such plans, reports and data to the MDNR. Upon request by EPA the Settling Defendants shall submit in electronic form all portions of any report or other deliverable the Settling Defendants are required to submit pursuant to the provisions of this Consent Decree.

36. All reports and other documents submitted by the Settling Defendants to EPA (other than the monthly progress reports referred to above) which purport to document the Settling Defendants' compliance with the terms of this Consent Decree shall be signed by an authorized representative of the Settling Defendants.

XI. EPA Approval of Plans and Other Submissions

37. After review of any plan, report or other item which is required to be submitted for approval pursuant to this Consent Decree, EPA, after reasonable opportunity for review and comment by the MDNR, shall: (a) approve, in whole or in part, the submission; (b) approve the submission upon specified conditions; (c) modify the submission to cure the deficiencies;

(d) disapprove, in whole or in part, the submission, directing that the Settling Defendants modify the submission; or (e) any combination of the above. However, EPA shall not modify a submission without first providing the Settling Defendants at least one notice of deficiency and an opportunity to cure within thirty (30) days, except where to do so would cause serious disruption to the Work or where previous submission(s) have been disapproved due to material defects and the deficiencies in the submission under consideration indicate a bad faith lack of effort to submit an acceptable deliverable.

38. In the event of approval, approval upon conditions, or modification by EPA, pursuant to Paragraph 37(a), (b), or (c), the Settling Defendants shall proceed to take any action required by the plan, report, or other item, as approved or modified by EPA subject only to their right to invoke the Dispute Resolution procedures set forth in Section XIX (Dispute Resolution) with respect to the modifications or conditions made by EPA. In the event that EPA modifies the submission to cure the deficiencies pursuant to Paragraph 37(c) and the submission has a material defect, EPA retains its right to seek stipulated penalties, as provided in Section XX (Stipulated Penalties).

39. Resubmission of Plans.

a. Upon receipt of a notice of disapproval pursuant to Paragraph 37(d), the Settling Defendants shall, within thirty (30) days or such longer time as specified by EPA in such notice, correct the deficiencies and resubmit the plan, report, or other item for approval. Any stipulated penalties applicable to the submission, as provided in Section XX, shall accrue during the 30-day period or otherwise specified period but shall not be payable unless the resubmission is disapproved or modified due to a material defect as provided in Paragraphs 40 and 41.

b. Notwithstanding the receipt of a notice of disapproval pursuant to Paragraph 37(d), the Settling Defendants shall proceed, at the direction of EPA, to take any action required by any non-deficient portion of the submission. Implementation of any non-deficient portion of a submission shall not relieve the Settling Defendants of any liability for stipulated penalties under Section XX (Stipulated Penalties).

40. In the event that a resubmitted plan, report or other item, or portion thereof, is disapproved by EPA, EPA may again require the Settling Defendants to correct the deficiencies, in accordance with the preceding Paragraphs. EPA also retains the right to modify or develop the plan, report or other item. The Settling Defendants shall implement any such plan, report, or item as modified or developed by EPA, subject only to its right to invoke the procedures set forth in Section XIX (Dispute Resolution).

41. If upon resubmission, a plan, report, or item is disapproved or modified by EPA due to a material defect, the Settling Defendants shall be deemed to have failed to submit such plan, report, or item timely and adequately unless the Settling Defendants invoke the dispute resolution procedures set forth in Section XIX (Dispute Resolution) and EPA's action is overturned pursuant to that Section. The provisions of Section XIX (Dispute Resolution) and Section XX (Stipulated Penalties) shall govern the implementation of the Work and accrual and payment of any stipulated penalties during Dispute Resolution. If EPA's disapproval or modification is upheld, stipulated penalties shall accrue for such violation from the date on which the initial submission was

originally required, as provided in Section XX.

42. All plans, reports, and other items required to be submitted to EPA under this Consent Decree shall, upon approval or modification by EPA, be enforceable under this Consent Decree. In the event EPA approves or modifies a portion of a plan, report, or other item required to be submitted to EPA under this Consent Decree, the approved or modified portion shall be enforceable under this Consent Decree.

XII. Project Coordinators

43. Within 20 days of lodging this Consent Decree, the Settling Defendants, the MDNR and EPA will notify each other, in writing, of the name, address and telephone number of their respective designated Project Coordinators and Alternate Project Coordinators. If a Project Coordinator or Alternate Project Coordinator initially designated is changed, the identity of the successor will be given to the other Parties at least five (5) working days before the changes occur, unless impracticable, but in no event later than the actual day the change is made. The Settling Defendants' Project Coordinator shall be subject to disapproval by EPA and shall have the technical expertise sufficient to adequately oversee all aspects of the Work. He or she may assign other representatives, including other contractors, to serve as a Site representative for oversight of performance of daily operations during remedial activities.

44. Plaintiffs may designate other representatives, including, but not limited to, EPA and State employees, and federal and State contractors and consultants, to observe and monitor the progress of any activity undertaken pursuant to this Consent Decree. EPA's Project Coordinator and Alternate Project Coordinator shall have the authority lawfully vested in a Remedial Project Manager (RPM) and an On-Scene Coordinator (OSC) by the National Contingency Plan, 40 C.F.R. Part 300. In addition, EPA's Project Coordinator or Alternate Project Coordinator shall have authority, consistent with the National Contingency Plan, to halt any Work required by this Consent Decree and to take any necessary response action when s/he determines that conditions at the Site constitute an emergency situation or may present an immediate threat to public health or welfare or the environment due to release or threatened release of Waste Material.

45. Plaintiffs' Project Coordinator and the Settling Defendants' Project Coordinator will meet, at a minimum, on a quarterly basis.

XIII. Performance Guarantee

46. In order to ensure the full and final completion of the Work, the Settling Defendants shall establish and maintain a Performance Guarantee for the benefit of EPA in the amount of \$650,000 (hereinafter "Performance Guarantee Amount") in one or more of the following forms, which must be satisfactory in form and substance to EPA:

a. A surety bond unconditionally guaranteeing payment or performance of the Work that is issued by a surety company among those listed as acceptable sureties on Federal bonds as set forth in Circular 570 of the U.S. Department of the Treasury;

b. One or more irrevocable letters of credit, payable to or at the direction of

EPA, that is issued by one or more financial institution(s) (i) that has the authority to issue letters of credit and (ii) whose letter-of-credit operations are regulated and examined by a U.S. Federal or State agency;

c. A trust fund established for the benefit of EPA that is administered by a trustee (i) that has the authority to act as a trustee and (ii) whose trust operations are regulated and examined by a U.S. Federal or State agency;

d. A policy of insurance that (i) provides EPA with acceptable rights as a beneficiary thereof; and (ii) is issued by an insurance carrier (a) that has the authority to issue insurance policies in the applicable jurisdiction(s); and (b) whose insurance operations are regulated and examined by a State agency;

e. A demonstration by the Settling Defendants that they meet the financial test criteria of 40 C.F.R. § 264.143(f) with respect to the Performance Guarantee Amount, provided that all other requirements of 40 C.F.R. § 264.143(f) are satisfied; or

f. A written guarantee to fund or perform the Work executed in favor of EPA by one or more of the following: (i) a direct or indirect parent company of the Settling Defendants, or (ii) a company that has a “substantial business relationship” (as defined in 40 C.F.R. § 264.141(h)) with the Settling Defendants; provided, however, that any company providing such a guarantee must demonstrate to the satisfaction of EPA that it satisfies the financial test requirements of 40 C.F.R. § 264.143(f) with respect to the Performance Guarantee Amount that it proposes to guarantee hereunder.

47. The Settling Defendants have selected, and EPA has approved, as an initial Performance Guarantee of a trust fund pursuant to Paragraph 46(c), in the form attached hereto as Appendix E. Within 10 days after entry of this Consent Decree, the Settling Defendants shall execute or otherwise finalize all instruments or other documents required in order to make the selected Performance Guarantee legally binding in a form substantially identical to the documents in Appendix E, herein, and such Performance Guarantee shall thereupon be fully effective. Within 30 days of entry of this Consent Decree, the Settling Defendants shall submit all executed or otherwise finalized instruments or other documents required in order to make the selected Performance Guarantee legally binding to the EPA Regional Financial Management Officer in accordance with Section XXVI (“Notices and Submissions”) of this Consent Decree and to the United States and EPA as specified in Section XXVI.

48. If at any time during the effective period of this Consent Decree, the Settling Defendants provide a Performance Guarantee for completion of the Work by means of a demonstration or guarantee pursuant to Paragraph 46.e. or Paragraph 46.f. above, the Settling Defendants shall also comply with the other relevant requirements of 40 C.F.R. § 264.143(f), 40 C.F.R. § 264.151(f), and 40 C.F.R. § 264.151(h)(1) relating to these methods unless otherwise provided in this Consent Decree, including but not limited to (i) the initial submission of required financial reports and statements from the relevant entity’s chief financial officer and independent certified public accountant; (ii) the annual re-submission of such reports and statements within 90 days after the close of each such entity’s fiscal year; and (iii) the notification of EPA within 90 days after the close of any fiscal year in which such entity no longer satisfies the financial test

requirements set forth at 40 C.F.R. § 264.143(f)(1). For purposes of the Performance Guarantee methods specified in this Section XIII, references in 40 C.F.R. Part 264, Subpart H, to “closure,” “post-closure,” and “plugging and abandonment” shall be deemed to refer to the Work required under this Consent Decree, and the terms “current closure cost estimate,” “current post-closure cost estimate,” and “current plugging and abandonment cost estimate” shall be deemed to refer to the Performance Guarantee Amount.

49. In the event that EPA determines at any time that the Performance Guarantee provided by the Settling Defendants pursuant to this Section is inadequate or otherwise no longer satisfies the requirements set forth in this Section, whether due to an increase in the estimated cost of completing the Work or for any other reason, or in the event that the Settling Defendants become aware of information indicating that the Performance Guarantee provided pursuant to this Section is inadequate or otherwise no longer satisfies the requirements set forth in this Section, whether due to an increase in the estimated cost of completing the Work or for any other reason, the Settling Defendants, within 30 days of receipt of notice of EPA's determination or, as the case may be, within 30 days of the Settling Defendants becoming aware of such information, shall obtain and present to EPA for approval a proposal for a revised or alternative form of Performance Guarantee listed in Paragraph 46 of this Consent Decree that satisfies all requirements set forth in this Section. In seeking approval for a revised or alternative form of Performance Guarantee, the Settling Defendants shall follow the procedures set forth in Paragraph 51.b.(ii) of this Consent Decree. The Settling Defendants' inability to post a Performance Guarantee for completion of the Work shall in no way excuse performance of any other requirements of this Consent Decree, including, without limitation, the obligation of the Settling Defendants to complete the Work in strict accordance with the terms hereof.

50. The commencement of any Work Takeover pursuant to Paragraph 84 of this Consent Decree shall trigger EPA's right to receive the benefit of any Performance Guarantee provided pursuant to Paragraph 46.a., b., c., d., or f., and at such time EPA shall have immediate access to resources guaranteed under any such Performance Guarantee, whether in cash or in kind, as needed to continue and complete the Work assumed by EPA under the Work Takeover. If for any reason EPA is unable to promptly secure the resources guaranteed under any such Performance Guarantee, whether in cash or in kind, necessary to continue and complete the Work assumed by EPA under the Work Takeover, or in the event that the Performance Guarantee involves a demonstration of satisfaction of the financial test criteria pursuant to Paragraph 46.e., the Settling Defendants shall immediately upon written demand from EPA deposit into an account specified by EPA, in immediately available funds and without setoff, counterclaim, or condition of any kind, a cash amount up to but not exceeding the estimated cost of the remaining Work to be performed as of such date, as determined by EPA.

51. Modification of Amount or Form of Performance Guarantee.

a. Reduction of Amount of Performance Guarantee. If the Settling Defendants believe that the estimated cost to complete the remaining Work has diminished below the Performance Guarantee Amount set forth in Paragraph 46 above, the Settling Defendants may, on any anniversary date of entry of this Consent Decree, or at any other time agreed to by the Parties, petition EPA in writing to request a reduction in the Performance Guarantee Amount provided pursuant to this Section so that the Performance Guarantee Amount is equal to the

estimated cost of the remaining Work to be performed. The Settling Defendants shall submit a written proposal for such reduction to EPA that shall specify, at a minimum, the cost of the remaining Work to be performed and the basis upon which such cost was calculated. In seeking approval for a revised or alternative form of Performance Guarantee, the Settling Defendants shall follow the procedures set forth in Paragraph 51.b.(ii) of this Consent Decree. If EPA decides to accept such a proposal, EPA shall notify the Settling Defendants of such decision in writing. After receiving EPA's written acceptance, the Settling Defendants may reduce the Performance Guarantee Amount in accordance with and to the extent permitted by such written acceptance. In the event of a dispute, the Settling Defendants may reduce the Performance Guarantee Amount required hereunder only in accordance with a final administrative or judicial decision resolving such dispute. No change to the form or terms of any Performance Guarantee provided under this Section, other than a reduction Performance Guarantee Amount is authorized except as provided in Paragraphs 49 or 51.b. of this Consent Decree.

b. Change of Form of Performance Guarantee.

(i) If, after entry of this Consent Decree, Settling Defendants desire to change the form or terms of any Performance Guarantee provided pursuant to this Section, the Settling Defendants may, on any anniversary date of entry of this Consent Decree, or at any other time agreed to by the Parties, petition EPA in writing to request a change in the form of the Performance Guarantee provided hereunder. The submission of such proposed revised or alternative form of Performance Guarantee shall be as provided in Paragraph 51.b.(ii) of this Consent Decree. Any decision made by EPA on a petition submitted under this subparagraph 51.b.(i) shall be made in EPA's sole and unreviewable discretion, and such decision shall not be subject to challenge by the Settling Defendants pursuant to the dispute resolution provisions of this Consent Decree or in any other forum.

(ii) The Settling Defendants shall submit a written proposal for a revised or alternative form of Performance Guarantee to EPA which shall specify, at a minimum, the estimated cost of the remaining Work to be performed, the basis upon which such cost was calculated, and the proposed revised form of Performance Guarantee, including all proposed instruments or other documents required in order to make the proposed Performance Guarantee legally binding. The proposed revised or alternative form of Performance Guarantee must satisfy all requirements set forth or incorporated by reference in this Section. The Settling Defendants shall submit such proposed revised or alternative form of Performance Guarantee to the EPA Regional Financial Management Officer in accordance with Section XXVI ("Notices and Submissions") of this Consent Decree. EPA shall notify the Settling Defendants in writing of their decision to accept or reject a revised or alternative Performance Guarantee submitted pursuant to this subparagraph. Within 10 days after receiving a written decision approving the proposed revised or alternative Performance Guarantee, the Settling Defendants shall execute or otherwise finalize all instruments or other documents required in order to make the selected Performance Guarantee legally binding in a form substantially identical to the documents submitted to EPA as part of the proposal, and such Performance Guarantee shall thereupon be fully effective. The Settling Defendants shall submit all executed or otherwise finalized instruments or other documents required in order to make the selected Performance Guarantee legally binding to the EPA Regional Financial Management Officer within 30 days of receiving a written decision approving the proposed revised or alternative Performance Guarantee in accordance with Section

XXVI (“Notices and Submissions”) of this Consent Decree and to the United States and EPA as specified in Section XXVI.

c. Release of Performance Guarantee. If the Settling Defendants receive written notice from EPA in accordance with Paragraph 52 (Completion of the Work) that the Work has been fully and finally completed in accordance with the terms of this Consent Decree, or if EPA otherwise so notifies the Settling Defendants in writing, the Settling Defendants may thereafter release, cancel, or discontinue the Performance Guarantee provided pursuant to this Section. The Settling Defendants shall not release, cancel, or discontinue any Performance Guarantee provided pursuant to this Section except as provided in this subparagraph. In the event of a dispute regarding this Subparagraph 51.c., the Settling Defendants may release, cancel, or discontinue the Performance Guarantee required hereunder only in accordance with a final administrative or judicial decision resolving such dispute.

XIV. Certification of Completion

52. Completion of the Work.

a. In accordance with the schedule described in the SOW, Section 7.0, the Settling Defendants will perform the Work at individual Parcels and Associated Tributaries. Within thirty (30) days of Settling Defendants’ conclusion of completion of the construction at each individual Parcel and its Associated Tributaries, the Settling Defendants shall schedule and conduct a pre-final inspection to be attended by the Settling Defendants, EPA and the MDNR. The pre-final inspection shall be followed by a final inspection after completion of any required corrective actions identified during the pre-final inspection. The final inspection shall be followed by a written final inspection report within 15 days of the final inspection. If, after the final inspection, the Settling Defendants still believe that the Work has been fully performed, the Settling Defendants shall submit a written report, the Parcel Construction Completion Report, signed by a registered professional engineer stating that the Work has been completed in full satisfaction of the requirements of this Consent Decree for the given Parcel and its Associate Tributaries. The report shall contain the following statement, signed by a responsible corporate official of each Settling Defendant or that Settling Defendant’s Project Coordinator:

“To the best of my knowledge, after thorough investigation, I certify that the information contained in or accompanying this submission is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

b. Within 30 days after the Settling Defendants conclude that all phases of the Work (including but not limited to implementation of the requirements of the ICIAP and O&M) on all Parcels and all Associated Tributaries identified in the SOW, have been fully performed, the Settling Defendants shall submit a written report, the Final Construction Completion Report, by a registered professional engineer stating that the Work at all Parcels and all Associated Tributaries has been completed in full satisfaction of the requirements of this Consent Decree. The report

shall contain the certifying statement described herein subparagraph 52.a, signed by a responsible corporate official of each Settling Defendant or that Settling Defendant's Project Coordinator

c. If, after review of any Construction Completion Report, EPA, after reasonable opportunity to review and comment by the MDNR, determines that any portion of the Work has not been completed in accordance with this Consent Decree, EPA will notify the Settling Defendants in writing of the activities that must be undertaken by the Settling Defendants pursuant to this Consent Decree to complete the Work, provided, however, that EPA may only require the Settling Defendants to perform such activities pursuant to this Paragraph to the extent that such activities are consistent with the "scope of the remedy selected in the OU-1 ROD," as that term is defined in Paragraph 13.b. (Modification of the SOW or Related Work Plans) EPA will set forth in the notice a schedule for performance of such activities consistent with the Consent Decree and the SOW or require the Settling Defendants to submit a schedule to EPA for approval pursuant to Section XI (EPA Approval of Plans and Other Submissions). The Settling Defendants shall perform all activities described in the notice in accordance with the specifications and schedules established therein, subject to their right to invoke the dispute resolution procedures set forth in Section XIX (Dispute Resolution).

d. If EPA concludes, based on the initial or any subsequent request for Certification of Completion by the Settling Defendants and after a reasonable opportunity for review and comment by the MDNR, that the Work has been performed in accordance with this Consent Decree, EPA will so notify the Settling Defendants in writing.

XV. Emergency Response

53. Emergency Response.

a. In the event of any action or occurrence during the performance of the Work which causes or threatens a release of Waste Material from the Site that constitutes an emergency situation or may present an immediate threat to public health or welfare or the environment, the Settling Defendants shall, subject to the following subparagraph 53.b., immediately take all appropriate action to prevent, abate, or minimize such release or threat of release, and shall immediately notify the Plaintiffs' Project Coordinators, or, if the Project Coordinators are unavailable, EPA's Alternate Project Coordinator. If none of these persons are available, the Settling Defendants shall notify the EPA Emergency Response Unit, Region 7. The Settling Defendants shall take such actions in consultation with Plaintiffs' Project Coordinators or other available authorized EPA officer and in accordance with all applicable provisions of the Health and Safety Plans, the Contingency Plans, and any other applicable plans or documents developed pursuant to the SOW. In the event that the Settling Defendants fail to take appropriate response action as required by this Section, and EPA or, as appropriate, the MDNR take such action instead, the Settling Defendants shall reimburse EPA and the MDNR all costs of the response action not inconsistent with the NCP pursuant to Section XVI (Payments of Response Costs).

b. Nothing in the preceding subparagraph or in this Consent Decree shall be deemed to limit any authority of the United States, or the State, (a) to take all appropriate action to protect human health and the environment or to prevent, abate, respond to, or minimize an actual

or threatened release of Waste Material on, at, or from the Site, or (b) to direct or order such action, or seek an order from the Court, to protect human health and the environment or to prevent, abate, respond to, or minimize an actual or threatened release of Waste Material on, at, or from the Site, subject to Section XXI (Covenants Not to Sue by Plaintiffs).

XVI. Payments of Response Costs

54. Payments to be Made by Settling Defendants.

Settling Defendants shall make the payments detailed below. At the time of each payment under this paragraph 54, the Settling Defendants shall send notice that payment has been made to the United States, to EPA and to the Regional Financial Management Officer, and to the State in accordance with Section XXVI (Notices and Submissions).

a. Payment of OU-4 Past Response Costs to the EPA Hazardous Substance Superfund. Within 30 days of entry of this Consent Decree, Settling Defendants shall pay to the EPA Hazardous Substance Superfund \$210,209 in reimbursement of OU-4 Past Response Costs, plus an additional sum for Interest on that amount calculated from March 26, 2009, the date of the agreement in principle, through the date of payment. Payment shall be made by FedWire Electronic Funds Transfer ("EFT") to the U.S. Department of Justice account in accordance with current EFT procedures, the EPA Region and Site Spill ID Number 0736-OU#04, and DOJ Case Number 90-11-2-06280/5. Payment shall be made in accordance with instructions provided to Settling Defendants by the Financial Litigation Unit of the U.S. Attorney's Office in the Western District of Missouri, following lodging of the Consent Decree. Any payments received by the Department of Justice after 4:00 p.m. Eastern Time shall be credited on the next business day.

b. Payment of Future Oronogo/Duenweg Costs to the EPA Hazardous Substance Superfund. Within 30 days of entry of this Consent Decree, Settling Defendants shall pay to the EPA Hazardous Substance Superfund \$1,147,600 for a cash-out settlement of their liabilities related to Future Oronogo/Duenweg Costs to be incurred by the United States. Payment shall be made by FedWire Electronic Funds Transfer ("EFT") to the U.S. Department of Justice account in accordance with current EFT procedures, the EPA Region and Site Spill ID Number 0736-OU#01, and DOJ Case Number 90-11-2-06280/5. Payment shall be made in accordance with instructions from the U.S. Attorney's Office described in the preceding subparagraph a. The total amounts to be paid by the Settling Defendants pursuant to this subparagraph shall be deposited in the Oronogo/Duenweg Mining Belt Site or Jasper County Superfund Site Special Account within the EPA Hazardous Substance Superfund to be retained and used to conduct or finance response actions at or in connection with the Site, or to be transferred by EPA to the EPA Hazardous Substance Superfund.

c. Future Response Costs of EPA. In accordance with the Work performed at the Settling Defendants' Parcels and Associated Tributaries, the Settling Defendants shall pay to EPA all Future Response Costs it incurs that are not inconsistent with the National Contingency Plan. On a periodic basis the United States will send the Settling Defendants a bill requiring payment that includes a SCORES Report for Future Response Costs incurred at the Settling Defendants' Parcels and Associated Tributaries. The Settling Defendants shall make all payments within 30 days of the Settling Defendants' receipt of the bill requiring payment, except as

otherwise provided in Paragraph 55. The Settling Defendants shall make all payments required by this Paragraph by a certified or cashier's check or checks made payable to "EPA Hazardous Substance Superfund," referencing the name and address of the party making the payment, EPA Site/Spill ID Number 0736-OU#01, and DOJ Case Number 90-11-2-06280/5. The Settling Defendants shall send the check(s) to:

US Environmental Protection Agency
Superfund Payments
Cincinnati Finance Center
PO Box 979076
St. Louis, Missouri 63197-9000

The total amounts to be paid by the Settling Defendants pursuant to this subparagraph shall be deposited in the Oronogo/Duenweg Mining Belt Site or Jasper County Superfund Site Special Account within the EPA Hazardous Substance Superfund to be retained and used to conduct or finance response actions at or in connection with the Site, or to be transferred by EPA to the EPA Hazardous Substance Superfund.

d. Future State Oronogo/Duenweg Operation and Maintenance Costs.

The Settling Defendants shall pay to the State the amount of \$112,895.71 for all Future State Oronogo/Duenweg Operation and Maintenance Costs. The Settling Defendants shall make all payments within 30 days of the Effective Date of this CD. The Settling Defendants shall make all payments to the State required by this Paragraph by certified or cashier's check payable to the "Treasurer, State of Missouri (Hazardous Waste Fund)" referencing the name and address of the party making the payment, EPA Site/Spill ID Number 0736-OU#01 and sent to:

Chief, Superfund Section
Hazardous Waste Program
Missouri Department of Natural Resources
P.O. Box 176
Jefferson City, Missouri 65102-0176

e. State Future Response Costs. The Settling Defendants shall reimburse the State for all State Future Response Costs it incurs that are not inconsistent with the National Contingency Plan. The State will send the Settling Defendants a bill requiring payment that includes a State-prepared cost summary, which includes direct and indirect costs incurred by the State and its contractors on a periodic basis. The Settling Defendants shall make all payments within 30 days of the Settling Defendants' receipt of each bill requiring payment, except as otherwise provided in Paragraph 55. The Settling Defendants shall make all payments to the State required by this subparagraph in the same manner as specified in the preceding subparagraph.

55. The Settling Defendants may contest payment of any Future Response Costs or State Future Response Costs under Paragraph 54 if they determine that the United States or the State has made an accounting error or if they allege that a cost item that is included represents costs that are inconsistent with the NCP. Such objection shall be made in writing within 30 days of receipt of the bill and must be sent to the United States (if the United States' accounting is being disputed) or the State (if the State's accounting is being disputed) pursuant to Section XXVI

(Notices and Submissions). Any such objection shall specifically identify the contested Future Response Costs or State Future Response Costs and the basis for objection. In the event of an objection, the Settling Defendants shall within the 30 day period pay all uncontested Future Response Costs to the United States or uncontested State Future Response Costs to the State in the manner described in Paragraph 54. Simultaneously, the Settling Defendants shall establish an interest-bearing escrow account in a federally-insured bank duly chartered in the State of Missouri and remit to that escrow account funds equivalent to the amount of the contested Future Response Costs or State Future Response Costs. The Settling Defendants shall send to the United States, as provided in Section XXVI (Notices and Submissions), and the State a copy of the transmittal letter and check paying the uncontested Future Response Costs or State Future Response Costs, and a copy of the correspondence that establishes and funds the escrow account, including, but not limited to, information containing the identity of the bank and bank account under which the escrow account is established as well as a bank statement showing the initial balance of the escrow account. Simultaneously with establishment of the escrow account, the Settling Defendants shall initiate the Dispute Resolution procedures in Section XIX (Dispute Resolution). If the United States or the State prevails in the dispute, within 5 days of the resolution of the dispute, the Settling Defendants shall pay the sums due (with accrued interest) to the United States or the State, if State costs are disputed, in the manner described in Paragraph 54. If the Settling Defendants prevail concerning any aspect of the contested costs, the Settling Defendants shall pay that portion of the costs (plus associated accrued interest) for which they did not prevail to the United States or the State (if State costs are disputed) in the manner described in Paragraph 54; the Settling Defendants shall disburse any balance of the escrow account. The dispute resolution procedures set forth in this Paragraph in conjunction with the procedures set forth in Section XIX (Dispute Resolution) shall be the exclusive mechanisms for resolving disputes regarding the Settling Defendants' obligation to reimburse the United States and the State for their Future Response Costs or State Future Response Costs.

56. Interest on Late Payments.

a. In the event that any payment required by Paragraph 54 is not received when due, Interest shall accrue on the unpaid balance through the date of payment.

b. Payments of Interest made under this Paragraph shall be in addition to such other remedies or sanctions available to Plaintiffs by virtue of the Settling Defendants' failure to make timely payments under this Section including, but not limited to, payment of stipulated penalties pursuant to Paragraph 72. The Settling Defendants shall make all payments required by this Paragraph in the manner described in Paragraph 54.

XVII. Indemnification and Insurance

57. The Settling Defendants' Indemnification of the United States and the State.

a. The United States and the State do not assume any liability by entering into this Consent Decree or by virtue of any designation of the Settling Defendants as EPA's authorized representatives under Section 104(e) of CERCLA. The Settling Defendants shall indemnify, save and hold harmless the United States, the State, and their officials, agents, employees, contractors, subcontractors, or representatives for or from any and all claims or causes of action arising from,

or on account of, negligent or other wrongful acts or omissions of the Settling Defendants, their officers, directors, employees, agents, contractors, subcontractors, and any persons acting on their behalf or under their control, in carrying out activities pursuant to this Consent Decree, including, but not limited to, any claims arising from any designation of the Settling Defendants as EPA's authorized representatives under Section 104(e) of CERCLA. Further, the Settling Defendants agree to pay the United States and the State all costs it incurs including, but not limited to, attorneys fees and other expenses of litigation and settlement arising from, or on account of, claims made against the United States or the State based on negligent or other wrongful acts or omissions of the Settling Defendants, their officers, directors, employees, agents, contractors, subcontractors, and any persons acting on their behalf or under their control, in carrying out activities pursuant to this Consent Decree. Neither the United States nor the State shall be held out as a party to any contract entered into by or on behalf of the Settling Defendants in carrying out activities pursuant to this Consent Decree. Neither the Settling Defendants nor any such contractor shall be considered an agent of the United States or the State.

b. The United States and the State shall give the Settling Defendants notice of any claim for which the United States or the State plans to seek indemnification pursuant to Paragraph 57a, and shall consult with the Settling Defendants prior to settling such claim.

58. The Settling Defendants waive all claims against the United States and the State for damages or reimbursement or for set-off of any payments made or to be made to the United States or the State, arising from or on account of any contract, agreement, or arrangement between the Settling Defendants and any person for performance of Work on or relating to the Site, including, but not limited to, claims on account of construction delays. In addition, the Settling Defendants shall indemnify and hold harmless the United States and the State with respect to any and all claims for damages or reimbursement arising from or on account of any contract, agreement, or arrangement between the Settling Defendants and any person for performance of Work on or relating to the Site, including, but not limited to, claims on account of construction delays.

59. No later than 15 days before commencing any on-site Work, the Settling Defendants shall secure, and shall maintain until the first anniversary of EPA's Certification of Completion of the Remedial Action for the Settling Defendants' final Parcel and Associated Tributaries pursuant to Subparagraph 52.b of Section XIV (Certification of Completion) comprehensive general liability insurance with limits of three million dollars, combined single limit, and automobile liability insurance with limits of three million dollars, combined single limit, naming the United States and the State as additional insureds. In addition, for the duration of this Consent Decree, the Settling Defendants shall satisfy, or shall ensure that their contractors or subcontractors satisfy, all applicable laws and regulations regarding the provision of worker's compensation insurance for all persons performing the Work on behalf of the Settling Defendants in furtherance of this Consent Decree. Prior to commencement of the Work under this Consent Decree, the Settling Defendants shall provide to EPA and the MDNR certificates of such insurance and a copy of each insurance policy. The Settling Defendants shall resubmit such certificates and copies of policies each year on the anniversary of the Effective Date. If the Settling Defendants demonstrate by evidence satisfactory to EPA and the MDNR that any contractor or subcontractor maintains insurance equivalent to that described above, or insurance covering the same risks but in a lesser amount, then, with respect to that contractor or subcontractor, the Settling Defendants need provide only that portion of the insurance described above which is not maintained by the

contractor or subcontractor.

XVIII. Force Majeure

60. “Force majeure,” for purposes of this Consent Decree, is defined as any event arising from causes beyond the control of the Settling Defendants, of any entity controlled by the Settling Defendants, or of the Settling Defendants' contractors, that delays or prevents the performance of any obligation under this Consent Decree despite the Settling Defendants' best efforts to fulfill the obligation. The requirement that the Settling Defendants exercise “best efforts to fulfill the obligation” includes using best efforts to anticipate any potential force majeure event and best efforts to address the effects of any potential force majeure event (1) as it is occurring and (2) following the potential force majeure event, such that the delay is minimized to the greatest extent possible. “Force Majeure” does not include financial inability to complete the Work or a failure to attain the Performance Standards.

61. If any event occurs or has occurred that may delay the performance of any obligation under this Consent Decree, whether or not caused by a force majeure event, the Settling Defendants shall notify orally EPA's and MDNR's Project Coordinator or, in their absence, EPA's Alternate Project Coordinator or, in the event both of EPA's designated representatives are unavailable, the Director of the Waste Management Division, EPA Region 7, within 48 hours of when the Settling Defendants first knew that the event might cause a delay. Within 7 days thereafter, the Settling Defendants shall provide in writing to EPA and the MDNR an explanation and description of the reasons for the delay; the anticipated duration of the delay; all actions taken or to be taken to prevent or minimize the delay; a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay; the Settling Defendants' rationale for attributing such delay to a force majeure event if they intend to assert such a claim; and a statement as to whether, in the opinion of the Settling Defendants, such event may cause or contribute to an endangerment to public health, welfare or the environment. The Settling Defendants shall include with any notice all available documentation supporting their claim that the delay was attributable to a force majeure. Failure to comply with the above requirements shall preclude the Settling Defendants from asserting any claim of force majeure for that event for the period of time of such failure to comply, and for any additional delay caused by such failure. The Settling Defendants shall be deemed to know of any circumstance of which the Settling Defendants, any entity controlled by the Settling Defendants, or the Settling Defendants' contractor knew or should have known.

62. If EPA, after a reasonable opportunity for review and comment by the MDNR, agrees that the delay or anticipated delay is attributable to a force majeure event, the time for performance of the obligations under this Consent Decree that are affected by the force majeure event will be extended by EPA, after a reasonable opportunity for review and comment by the MDNR, for such time as is necessary to complete those obligations. An extension of the time for performance of the obligations affected by the force majeure event shall not, of itself, extend the time for performance of any other obligation. If EPA, after a reasonable opportunity for review and comment by the MDNR, does not agree that the delay or anticipated delay has been or will be caused by a force majeure event, EPA will notify the Settling Defendants in writing of its decision. If EPA, after a reasonable opportunity for review and comment by the MDNR, agrees that the delay is attributable to a force majeure event, EPA will notify the Settling Defendants in writing of

the length of the extension, if any, for performance of the obligations affected by the force majeure event.

63. If the Settling Defendants elect to invoke the dispute resolution procedures set forth in Section XIX (Dispute Resolution), it shall do so no later than 15 days after receipt of EPA's notice. In any such proceeding, the Settling Defendants shall have the burden of demonstrating by a preponderance of the evidence that the delay or anticipated delay has been or will be caused by a force majeure event, that the duration of the delay or the extension sought was or will be warranted under the circumstances, that best efforts were exercised to avoid and mitigate the effects of the delay, and that the Settling Defendants complied with the requirements of Paragraphs 61 and 62, above. If the Settling Defendants carry this burden, the delay at issue shall be deemed not to be a violation by the Settling Defendants of the affected obligation of this Consent Decree identified to EPA, the MDNR and the Court.

XIX. Dispute Resolution

64. Unless otherwise expressly provided for in this Consent Decree, the dispute resolution procedures of this Section shall be the exclusive mechanism to resolve disputes arising under or with respect to this Consent Decree. However, the procedures set forth in this Section shall not apply to actions by the United States and the State to enforce obligations of the Settling Defendants that have not been disputed in accordance with this Section.

65. Any dispute which arises under or with respect to this Consent Decree shall in the first instance be the subject of informal negotiations between the parties to the dispute. The period for informal negotiations shall not exceed 20 days from the time the dispute arises, unless it is modified by written agreement of the parties to the dispute. The dispute shall be considered to have arisen when one party sends the other parties a written Notice of Dispute.

66. Statements of Position.

a. In the event that the parties cannot resolve a dispute by informal negotiations under the preceding Paragraph, then the position advanced by EPA shall be considered binding unless, within seven (7) days after the conclusion of the informal negotiation period, the Settling Defendants invoke the formal dispute resolution procedures of this Section by serving on the United States and the State a written Statement of Position on the matter in dispute, including, but not limited to, any factual data, analysis or opinion supporting that position and any supporting documentation relied upon by the Settling Defendants. The Statement of Position shall specify the Settling Defendants' position as to whether formal dispute resolution should proceed under Paragraph 67 or Paragraph 68.

b. Within seven (7) days after receipt of the Settling Defendants' Statement of Position, EPA will serve on the Settling Defendants its Statement of Position, including, but not limited to, any factual data, analysis, or opinion supporting that position and all supporting documentation relied upon by EPA. EPA's Statement of Position shall include a statement as to whether formal dispute resolution should proceed under Paragraph 67 or 68. Within seven (7) days after receipt of EPA's Statement of Position, the Settling Defendants may submit a Reply.

c. If there is disagreement between EPA and the Settling Defendants as to whether dispute resolution should proceed under Paragraph 67 or 68, the parties to the dispute shall follow the procedures set forth in the paragraph determined by EPA to be applicable. However, if the Settling Defendants ultimately appeal to the Court to resolve the dispute, the Court shall determine which paragraph is applicable in accordance with the standards of applicability set forth in Paragraphs 67 and 68.

67. Formal dispute resolution for disputes pertaining to the selection or adequacy of any response action and all other disputes that are accorded review on the administrative record under applicable principles of administrative law shall be conducted pursuant to the procedures set forth in this Paragraph. For purposes of this Paragraph, the adequacy of any response action includes, without limitation: (1) the adequacy or appropriateness of plans, procedures to implement plans, or any other items requiring approval by EPA under this Consent Decree; and (2) the adequacy of the performance of response actions taken pursuant to this Consent Decree. Nothing in this Consent Decree shall be construed to allow any dispute by the Settling Defendants regarding the validity of the OU-1 ROD's provisions.

a. An administrative record of the dispute shall be maintained by EPA and shall contain all statements of position, including supporting documentation, submitted pursuant to this Section. Where appropriate, EPA may allow submission of supplemental statements of position by the parties to the dispute.

b. The Director of the Superfund Division, EPA Region 7, will issue a final administrative decision resolving the dispute based on the administrative record described in Paragraph 67.a. This decision shall be binding upon the Settling Defendants, subject only to the right to seek judicial review pursuant to Paragraph 67.c and d.

c. Any administrative decision made by EPA pursuant to Paragraph 67.b. shall be reviewable by this Court, provided that a motion for judicial review of the decision is filed by the Settling Defendants with the Court and served on all Parties within 10 days of receipt of EPA's decision. The motion shall include a description of the matter in dispute, the efforts made by the parties to resolve it, the relief requested, and the schedule, if any, within which the dispute must be resolved to ensure orderly implementation of this Consent Decree. The United States may file a response to the Settling Defendants' motion.

d. In proceedings on any dispute governed by this Paragraph, the Settling Defendant shall have the burden of demonstrating that the decision of the Superfund Division Director is arbitrary and capricious or otherwise not in accordance with law. Judicial review of EPA's decision shall be on the administrative record compiled pursuant to Paragraph 67.a.

68. Formal dispute resolution for disputes that neither pertain to the selection or adequacy of any response action, nor are otherwise accorded review on the administrative record under applicable principles of administrative law, shall be governed by this Paragraph.

a. Following receipt of the Settling Defendants' Statement of Position submitted pursuant to Paragraph 66, the Director of the Superfund Division, EPA Region 7, will issue a final decision resolving the dispute. The Superfund Division Director's decision shall be binding

on the Settling Defendants unless, within 10 days of receipt of the decision, the Settling Defendants file with the Court and serve on the parties a motion for judicial review of the decision setting forth the matter in dispute, the efforts made by the parties to resolve it, the relief requested, and the schedule, if any, within which the dispute must be resolved to ensure orderly implementation of the Consent Decree. The United States may file a response to Settling Defendants' motion.

b. Notwithstanding Paragraph M of Section I (Background) of this Consent Decree, judicial review of any dispute governed by this Paragraph shall be governed by applicable principles of law.

69. The invocation of formal dispute resolution procedures under this Section shall not extend, postpone or affect in any way any obligation of the Settling Defendants under this Consent Decree, not directly in dispute, unless EPA or the Court agrees otherwise. Stipulated penalties with respect to the disputed matter shall continue to accrue but payment shall be stayed pending resolution of the dispute as provided in Paragraph 74. Notwithstanding the stay of payment, stipulated penalties shall accrue from the first day of noncompliance with any applicable provision of this Consent Decree. In the event that the Settling Defendants do not prevail on the disputed issue, stipulated penalties shall be assessed and paid as provided in Section XX (Stipulated Penalties).

XX. Stipulated Penalties

70. The Settling Defendants shall be liable for stipulated penalties in the amounts set forth in Paragraphs 71-72 to the United States and the State with sixty (60) percent of any stipulated penalty collected payable to the United States and remaining forty (40) percent payable to the State, for the Settling Defendants' failure to comply with the requirements of this Consent Decree specified below, unless excused under Section XVIII (Force Majeure). "Compliance" by the Settling Defendants shall include completion of the activities under this Consent Decree or any work plan or other plan approved under this Consent Decree identified below in accordance with all applicable requirements of law, this Consent Decree, the SOW, and any plans or other documents approved by EPA pursuant to this Consent Decree and within the specified time schedules established by and approved under this Consent Decree.

71. Stipulated Penalty Amounts - Work and Payments.

a. The following stipulated penalties shall accrue per violation per day for any noncompliance identified in Subparagraph 71.b:

<u>Penalty Per Violation Per Day</u>	<u>Period of Noncompliance</u>
\$1,000	1st through 14th day
\$2,000	15th through 30th day
\$3,000	31st day and beyond

b. Compliance Milestones.

- (1) Submission of the Remedial Design/Remedial Action Work Plan;
- (2) Failure to initiate Remedial Design/Remedial Action Work Plan;
- (3) Failure to meet schedules established by EPA-approved Work Plans; and
- (4) Failure to make any payment required by Paragraph 54 of this Consent Decree.

72. Stipulated Penalty Amounts – Payments and Other Deliverables or Violations.

a. If any amounts due to EPA or to the State under subparagraph 54.a, 54.b and 54.d of this Consent Decree are not paid by the required date, Settling Defendants shall pay to EPA, or to the State if the delayed payment is for Future State Oronogo/Duenweg Operation and Maintenance Costs, as a stipulated penalty, in addition to the Interest required by Paragraph 56, two percent (2%) of the total amount due per violation per day that such payment is late.

b. The following stipulated penalties shall accrue per violation per day for any violation of this Consent Decree, the SOW, approved work plans other than those identified in Paragraph 71.b:

<u>Penalty Per Violation Per Day</u>	<u>Period of Noncompliance</u>
\$500	1st through 14th day
\$1,000	15th through 30th day
\$2,000	31st day and beyond

73. In the event that EPA assumes performance of a portion or all of the Work pursuant to Paragraph 84 of Section XXI (Covenants Not to Sue by Plaintiffs), the Settling Defendants shall be liable for a stipulated penalty in the amount of \$200,000.

74. All penalties shall begin to accrue on the day after the complete performance is due or the day a violation occurs, and shall continue to accrue through the final day of the correction of the noncompliance or completion of the activity. However, stipulated penalties shall not accrue: (1) with respect to a deficient submission under Section XI (EPA Approval of Plans and Other Submissions), during the period, if any, beginning on the 31st day after EPA's receipt of such submission until the date that EPA notifies the Settling Defendants of any deficiency; (2) with respect to a decision by the Director of the Superfund Division, EPA Region 7, under Paragraph 67.b or 68.a of Section XIX (Dispute Resolution), during the period, if any, beginning on the 21st day after the date that the Settling Defendants' reply to EPA's Statement of Position is received until the date that the Director issues a final decision regarding such dispute; or (3) with respect to judicial review by this Court of any dispute under Section XIX (Dispute Resolution), during the period, if any, beginning on the 31st day after the Court's receipt of the final submission regarding the dispute until the date that the Court issues a final decision

regarding such dispute. Nothing herein shall prevent the simultaneous accrual of separate penalties for separate violations of this Consent Decree.

75. Following EPA's determination that the Settling Defendants have failed to comply with a requirement of this Consent Decree, EPA may give the Settling Defendants written notification of the same and describe the noncompliance. EPA may send the Settling Defendants a written demand for the payment of the penalties. However, penalties shall accrue as provided in the preceding Paragraph regardless of whether EPA has notified the Settling Defendants of a violation.

76. All penalties accruing under this Section shall be due and payable to the United States and the State within 30 days of the Settling Defendants' receipt from EPA of a demand for payment of the penalties, unless the Settling Defendants invoke the Dispute Resolution procedures under Section XIX (Dispute Resolution). All payments to the United States under this Section shall be paid by certified or cashier's check(s) made payable to "EPA Hazardous Substances Superfund," shall be mailed to:

US Environmental Protection Agency
Superfund Payments
Cincinnati Finance Center
PO Box 979076
St. Louis, Missouri 63197-9000

shall indicate that the payment is for stipulated penalties, and shall reference the EPA Region and Site/Spill ID #0736 – OU#01, the DOJ Case Number 90-11-2-06280/5, and the name and address of the party making payment. Copies of check(s) paid pursuant to this Section, and any accompanying transmittal letter(s), shall be sent to the United States as provided in Section XXVI (Notices and Submissions). Where a State is entitled to a portion of the stipulated penalties, payment to the State shall be paid by certified check or cashier's check(s) made payable to the "Treasurer, State of Missouri (Jasper County School Fund), shall be mailed to:

JoAnn Horvath, or designee
Financial Services
Missouri Attorney General's Office
P.O. Box 899
Jefferson City, Missouri 65102

shall indicate that the payment is for stipulated penalties, and shall reference the EPA Region and Site/Spill ID #0736-97#01, and the name and address of the party making payment. Copies of check(s) paid pursuant to this Section, and any accompanying transmittal letter(s), shall be sent to the State as provided in Section XXVI (Notices and Submissions).

77. The payment of penalties shall not alter in any way the Settling Defendants' obligation to complete the performance of the Work required under this Consent Decree.

78. Penalties shall continue to accrue as provided in Paragraph 74 during any dispute resolution period, but need not be paid until the following:

RD/RA, Cash-Out and Cost Recovery Consent Decree
Childress Royalty and Acme Land Companies

a. If the dispute is resolved by agreement or by a decision of EPA that is not appealed to this Court, accrued penalties determined to be owing shall be paid to EPA and the MDNR within 15 days of the agreement or the receipt of EPA's decision or order;

b. If the dispute is appealed to this Court and the United States prevails in whole or in part, the Settling Defendants shall pay all accrued penalties determined by the Court to be owed to EPA and the MDNR within 60 days of receipt of the Court's decision or order, except as provided in Subparagraph c below; or

c. If the District Court's decision is appealed by any Party, the Settling Defendants shall pay all accrued penalties determined by the District Court to be owing to the United States or the State into an interest-bearing escrow account within 60 days of receipt of the Court's decision or order. Penalties shall be paid into this account as they continue to accrue, at least every 60 days. Within 15 days of receipt of the final appellate court decision, the escrow agent shall pay the balance of the account to EPA and the MDNR or to Settling Defendants to the extent that they prevail.

79. If the Settling Defendants fail to pay stipulated penalties when due, the United States or the State may institute proceedings to collect the penalties, as well as interest. The Settling Defendants shall pay Interest on the unpaid balance, which shall begin to accrue on the date of demand made pursuant to Paragraph 84.

80. Nothing in this Consent Decree shall be construed as prohibiting, altering, or in any way limiting the ability of the United States or the State to seek any other remedies or sanctions available by virtue of the Settling Defendants' violation of this Decree or of the statutes and regulations upon which it is based, including, but not limited to, penalties pursuant to Section 122(l) of CERCLA, provided, however, that the United States shall not seek civil penalties pursuant to Section 122(l) of CERCLA for any violation for which a stipulated penalty is provided herein, except in the case of a willful violation of the Consent Decree.

81. Notwithstanding any other provision of this Section, the United States may, in its unreviewable discretion, waive any portion of stipulated penalties owed to it that have accrued pursuant to this Consent Decree, and the State may, in its unreviewable discretion, waive any portion of stipulated penalties that are owed to it.

XXI. Covenants Not to Sue by Plaintiffs

82. In consideration of the actions that will be performed and the payments that will be made by the Settling Defendants under the terms of the Consent Decree, and except as specifically provided in Paragraph 83 of this Section, the United States and the State covenant not to sue or to take administrative action against the Settling Defendants pursuant to Sections 106 and 107(a) of CERCLA for performance of the Work and for recovery of Past Response Costs, Future Response Costs, State Future Response Costs, Future Oronogo/Duenweg Costs, and Future State Oronogo/Duenweg Operation and Maintenance Costs. These covenants not to sue shall take effect upon the receipt by EPA and the MDNR of the payments required by Paragraph 54 of Section XVI (Payments of Response Costs). These covenants not to sue are

conditioned upon the satisfactory performance by the Settling Defendants of their obligations under this Consent Decree. These covenants not to sue extend only to the Settling Defendants and do not extend to any other person.

83. General reservations of rights. The United States and the State reserve, and this Consent Decree is without prejudice to, all rights against the Settling Defendants with respect to all matters not expressly included within Plaintiffs' covenant not to sue. Notwithstanding any other provision of this Consent Decree, the United States reserves all rights against the Settling Defendants with respect to:

- a. claims based on a failure by the Settling Defendants to meet a requirement of this Consent Decree;
- b. liability arising from the past, present, or future disposal, release, or threat of release of Waste Material outside of OU-1 and OU-4 of the Site;
- c. liability based upon the Settling Defendants' ownership or operation of the Site, or upon the Settling Defendants' transportation, treatment, storage, or disposal, or the arrangement for the transportation, treatment, storage, or disposal of Waste Material at or in connection with the Site, other than as provided in the OU-1 ROD, the Work, or otherwise ordered by EPA, after signature of this Consent Decree by the Settling Defendants;
- d. liability for damages for injury to, destruction of, or loss of natural resources, and for the costs of any natural resource damage assessments;
- e. criminal liability;
- f. liability for violations of federal or state law which occur during or after implementation of the Remedial Action;
- g. liability, prior to Certification of Completion of the Remedial Action, for additional response actions that EPA determines are necessary to achieve Performance Standards, but that cannot be required pursuant to Paragraph 13 (Modification of the SOW or Related Work Plans); and
- h. liability for the final response actions at the Site.

84. Work Takeover. In the event EPA determines that the Settling Defendants have ceased implementation of any portion of the Work, is seriously or repeatedly deficient or late in their performance of the Work, or is implementing the Work in a manner which may cause an endangerment to human health or the environment, EPA may assume the performance of all or any portions of the Work as EPA determines necessary. The Settling Defendants may invoke the procedures set forth in Section XIX (Dispute Resolution), Paragraph 67, to dispute EPA's determination that takeover of the Work is warranted under this Paragraph. Costs incurred by the United States in performing the Work pursuant to this Paragraph shall be considered Future Response Costs that the Settling Defendants shall pay pursuant to Section XVI (Payment for Response Costs).

85. Notwithstanding any other provision of this Consent Decree, the United States and the State retain all authority and reserve all rights to take any and all response actions authorized by law.

XXII. Covenants by Settling Defendants

86. Covenant Not to Sue. Subject to the reservations in Paragraph 88 the Settling Defendants hereby covenant not to sue and agrees not to assert any claims or causes of action against the United States and the State with respect to the Work, Past Response Costs, Future Response Costs, State Future Response Costs, Future Oronogo/Duenweg Costs, and Future State Oronogo/Duenweg Operation and Maintenance Costs, as defined herein this Consent Decree, including, but not limited to:

a. any direct or indirect claim for reimbursement from the Hazardous Substance Superfund (established pursuant to the Internal Revenue Code, 26 U.S.C. § 9507) through CERCLA Sections 106(b)(2), 107, 111, 112, 113 or any other provision of law;

b. any claims against the United States or the State, including any department, agency or instrumentality of the United States or the State under CERCLA Sections 107 or 113 related to the Site; or

c. any claims arising out of response actions at or in connection with the Site, including any claim under the United States Constitution, the Tucker Act, 28 U.S.C. § 1491, the Equal Access to Justice Act, 28 U.S.C. § 2412, as amended, or at state or common law.

87. Except as provided in Paragraph 90 (Waiver of Claims Against De Micromis Parties) and Paragraph 95 (waiver of Claim-Splitting Defenses), these covenants not to sue shall not apply in the event that the United States or the State brings a cause of action or issues an order pursuant to the general reservations set forth in Paragraphs 83 (b) - (h), but only to the extent that the Settling Defendants' claims arise from the same response action, response costs, or damages that the United States or the State are seeking pursuant to the applicable reservation.

88. The Settling Defendants reserve, and this Consent Decree is without prejudice to, claims against the United States, subject to the provisions of Chapter 171 of Title 28 of the United States Code, for money damages for injury or loss of property or personal injury or death caused by the negligent or wrongful act or omission of any employee of the United States while acting within the scope of his office or employment under circumstances where the United States, if a private person, would be liable to the claimant in accordance with the law of the place where the act or omission occurred. However, any such claim shall not include a claim for any damages caused, in whole or in part, by the act or omission of any person, including any contractor, who is not a federal employee as that term is defined in 28 U.S.C. § 2671; nor shall any such claim include a claim based on EPA's selection of response actions, or the oversight or approval of the Settling Defendants' plans or activities. The foregoing applies only to claims which are brought pursuant to any statute other than CERCLA and for which the waiver of sovereign immunity is found in a statute other than CERCLA.

89. Nothing in this Consent Decree shall be deemed to constitute preauthorization of a claim within the meaning of Section 111 of CERCLA, 42 U.S.C. § 9611, or 40 C.F.R. § 300.700(d).

90. The Settling Defendants agree not to assert any claims (including but not limited to claims or causes of action under Section 107(a) and 113 of CERCLA) and to waive all claims or causes of action that it may have for all matters relating to the OU-1 at the Site, against any person where the person's liability to the Settling Defendants with respect to OU-1 at the Site is based solely on having arranged for disposal or treatment, or for transport for disposal or treatment, of hazardous substances at the Site, or having accepted for transport for disposal or treatment of hazardous substances at the Site, if:

a. the materials contributed by such person to the Site containing hazardous substances did not exceed the greater of (i) 0.002% of the total volume of waste at the Site; or (ii) 110 gallons of liquid materials or 200 pounds of solid materials.

b. this waiver shall not apply to any claim or cause of action against any person meeting the above criteria if EPA has determined that the materials contributed to the Site by such person contributed or could contribute significantly to the costs of response at the Site. This waiver also shall not apply with respect to any defense, claim, or cause of action that the Settling Defendants may have against any person if such person asserts a claim or cause of action relating to the Site against the Settling Defendants.

XXIII. Effect of Settlement - Contribution Protection

91. Except as provided in Paragraph 90 (Waiver of Claims Against De Micromis Parties), nothing in this Consent Decree shall be construed to create any rights in, or grant any cause of action to, any person not a Party to this Consent Decree. The preceding sentence shall not be construed to waive or nullify any rights that any person not a signatory to this Consent Decree may have under applicable law. Except as provided in Paragraph 90 (Waiver of Claims Against De Micromis Parties), each of the Parties expressly reserves any and all rights (including, but not limited to, any right to contribution pursuant to Section 113 of CERCLA), defenses, claims, demands, and causes of action which each Party may have with respect to any matter, transaction, or occurrence relating in any way to the Site against any person not a Party hereto. Nothing in this Consent Decree diminishes the right of the United States and the State pursuant to Section 113(f)(2) and (3) of CERCLA, 42 U.S.C. Section 9613(f)(2) and (3), to pursue any such persons to obtain additional response costs or response action and to enter into settlements that give rise to contribution protection pursuant to Section 113(f)(2).

92. The Parties agree, and by entering this Consent Decree this Court finds, that this settlement constitutes a judicially-approved settlement for purposes of Section 113 (f) of CERCLA and each Settling Defendant is entitled, as of the Effective Date, to protection from contribution actions or claims as provided by CERCLA Section 113(f)(2), 42 U.S.C. § 9613(f)(2), or as may be otherwise provided by law for matters addressed in this Consent Decree. Matters addressed shall include Future Response Costs, State Future Response Costs, Past Response Costs, Future Oronogo/Duenweg Costs, and Future State Oronogo/Duenweg Operation and Maintenance Costs as defined herein and all Work performed under the Consent Decree.

93. The Settling Defendants shall, with respect to any suit or claim for contribution brought by them for matters related to this Consent Decree, notify the United States and the State in writing no later than 60 days prior to the initiation of such suit or claim.

94. The Settling Defendant shall, with respect to any suit or claim for contribution brought against them for matters related to this Consent Decree, notify in writing the United States and the State within 10 days of service of the complaint on it. In addition, the Settling Defendants shall notify the United States and the State within 10 days of service or receipt of any Motion for Summary Judgment and within 10 days of receipt of any order from a court setting a case for trial.

95. In any subsequent administrative or judicial proceeding initiated by the United States and the State for injunctive relief, recovery of response costs, or other appropriate relief relating to the Site, the Settling Defendants shall not assert, and may not maintain, any defense or claim based upon the principles of waiver, res judicata, collateral estoppel, issue preclusion, claim-splitting, or other defenses based upon any contention that the claims raised by the United States and the State in the subsequent proceeding were or should have been brought in the instant case; provided, however, that nothing in this Paragraph affects the enforceability of the covenants not to sue set forth in Section XXI (Covenants Not to Sue by Plaintiff).

XXV. Access to Information

96. The Settling Defendants shall provide to EPA and the MDNR, upon request, copies of all documents and information within their possession or control or that of their contractors or agents relating to activities at the Site or to the implementation of this Consent Decree, including, but not limited to, sampling, analysis, chain of custody records, manifests, trucking logs, receipts, reports, sample traffic routing, correspondence, or other documents or information related to the Work. The Settling Defendants shall also make available to EPA and the MDNR, for purposes of investigation, information gathering, or testimony, their employees, agents, or representatives with knowledge of relevant facts concerning the performance of the Work.

97. Business Confidential and Privileged Documents.

a. The Settling Defendants may assert business confidentiality claims covering part or all of the documents or information submitted to Plaintiffs under this Consent Decree to the extent permitted by and in accordance with Section 104(e)(7) of CERCLA, 42 U.S.C. § 9604(e)(7), and 40 C.F.R. § 2.203(b). Documents or information determined to be confidential by EPA will be afforded the protection specified in 40 C.F.R. Part 2, Subpart B. If no claim of confidentiality accompanies documents or information when they are submitted to EPA and the MDNR, or if EPA has notified the Settling Defendants that the documents or information are not confidential under the standards of Section 104(e)(7) of CERCLA or 40 C.F.R. Part 2, Subpart B, the public may be given access to such documents or information without further notice to the Settling Defendants.

b. Settling Defendants may assert business confidentiality claims covering part or all of the documents or information submitted to MDNR under this Consent Decree to the

extent permitted by and in accordance with § 260.430, RSMo. All such submissions shall be handled in accordance with the provisions specified in 10 CSR 25-8. Documents or information determined to be confidential by MDNR will be afforded the protection specified in § 260.430, RSMo. If no claim of confidentiality accompanies documents or information when they are submitted to MDNR or if MDNR has notified Settling Defendants that the documents or information are not confidential under the standards of § 260.430, RSMo, the public may be given access to such documents or information without further notice to Settling Defendants.

c. The Settling Defendants may assert that certain documents, records and other information are privileged under the attorney-client privilege or any other privilege recognized by federal law. If the Settling Defendants assert such a privilege in lieu of providing documents, it shall provide the Plaintiffs with the following: (1) the title of the document, record, or information; (2) the date of the document, record, or information; (3) the name and title of the author of the document, record, or information; (4) the name and title of each addressee and recipient; (5) a description of the contents of the document, record, or information; and (6) the privilege asserted by the Settling Defendants. However, no documents, reports or other information created or generated pursuant to the requirements of the Consent Decree shall be withheld on the grounds that they are privileged.

98. No claim of confidentiality shall be made with respect to any data, including, but not limited to, all sampling, analytical, monitoring, hydrogeologic, scientific, chemical, or engineering data, or any other documents or information evidencing conditions at or around the Site.

XXVI. Retention of Records

99. Until 10 years after the Settling Defendants' receipt of EPA's notification pursuant to Paragraph 52 of Section XIV (Certification of Completion of the Work) for the final Parcel and Associated Tributaries, the Settling Defendants shall preserve and retain all non-identical copies of records and documents (including records or documents in electronic form) now in their possession or control or which come into their possession or control that relate in any manner to their liability under CERCLA with respect to the Site, provided, however, that to the extent that Settling Defendants are potentially liable as an owner or operator at the Site, they must retain, in addition, all documents and records that relate to the liability of any other person under CERCLA with respect to the Site. The Settling Defendants must also retain, and instruct their contractors and agents to preserve, for the same period of time specified above all non-identical copies of the last draft or final version of any documents or records (including documents or records in electronic form) now in its possession or control or which come into its possession or control that relate in any manner to the performance of the Work, provided, however, that the Settling Defendants (and their contractors and agents) must retain, in addition, copies of all data generated during the performance of the Work and not contained in the aforementioned documents required to be retained. Each of the above record retention requirements shall apply regardless of any corporate retention policy to the contrary.

100. At the conclusion of this document retention period, the Settling Defendants shall notify the United States and the State at least 90 days prior to the destruction of any such records or documents, and, upon request by the United States or the State, the Settling Defendants shall deliver any such records or documents to EPA or the MDNR. The Settling Defendants may

assert that certain documents, records and other information are privileged under the attorney-client privilege or any other privilege recognized by federal law. If the Settling Defendants assert such a privilege, it shall provide the Plaintiffs with the following: (1) the title of the document, record, or information; (2) the date of the document, record, or information; (3) the name and title of the author of the document, record, or information; (4) the name and title of each addressee and recipient; (5) a description of the subject of the document, record, or information; and (6) the privilege asserted by the Settling Defendants. However, no documents, reports or other information created or generated pursuant to the requirements of the Consent Decree shall be withheld on the grounds that they are privileged.

101. The Settling Defendants hereby certify that, to the best of their knowledge and belief, after thorough inquiry, they has not altered, mutilated, discarded, destroyed or otherwise disposed of any records, documents or other information (other than identical copies) relating to their potential liability regarding the Site since notification of potential liability by the United States or the State or the filing of suit against it regarding the Site and that they have fully complied with any and all EPA requests for information pursuant to Section 104(e) and 122(e) of CERCLA, 42 U.S.C. 9604(e) and 9622(e), and Section 3007 of RCRA, 42 U.S.C. 6927.

XXVII. Notices and Submissions

102. Whenever, under the terms of this Consent Decree, written notice is required to be given or a report or other document is required to be sent by one Party to another, it shall be directed to the individuals at the addresses specified below, unless those individuals or their successors give notice of a change to the other Parties in writing. All notices and submissions shall be considered effective upon receipt, unless otherwise provided. Written notice as specified herein shall constitute complete satisfaction of any written notice requirement of the Consent Decree with respect to the United States, EPA, the State, and the Settling Defendants, respectively.

As to the United States: Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044-7611
Re: DJ # 90-11-2-06280/3

As to EPA: Cecilia Tapia
Director, Superfund Division
United States Environmental Protection Agency
Region 7
901 North Fifth Street
Kansas City, KS 66101

Mark Doolan
EPA Project Coordinator
United States Environmental Protection Agency
Region 7
901 North Fifth Street
Kansas City, KS 66101

Regional Financial Manager
United States Environmental Protection Agency
Region 7
901 North Fifth Street
Kansas City, KS 66101

As to the State:

Shelley A. Woods, Assistant Attorney General
P.O. Box 899
Jefferson City, Missouri 65102-0899

Don Van Dyke
MDNR Project Coordinator
Missouri Department of Natural Resources
1730 East Elm Street
P.O. Box 176
Jefferson City, Missouri 65102-0176

As to the Settling Defendants:

Newt Sharp
411 West 5th St.
Joplin, MO 64801

or

New Sharp
PO Box 66
Joplin, MO 64802-0066

Phone: 417-624-5825

XXVIII. Effective Date

103. The effective date of this Consent Decree shall be the date upon which this Consent Decree is entered by the Court, except as otherwise provided herein.

XXIX. Retention of Jurisdiction

104. This Court retains jurisdiction over both the subject matter of this Consent Decree and the Settling Defendants for the duration of the performance of the terms and provisions of this Consent Decree for the purpose of enabling any of the Parties to apply to the Court at any time for such further order, direction, and relief as may be necessary or appropriate for the construction or modification of this Consent Decree, or to effectuate or enforce compliance with its terms, or to resolve disputes in accordance with Section XIX (Dispute Resolution) hereof.

XXX. Appendices

105. The following appendices are attached to and incorporated into this Consent Decree:

“Appendix A” is the OU-1 ROD.

“Appendix B” is the SOW.

“Appendix C” is the description or map of the Site.

“Appendix D” includes the EPA maps, Figures 1b and 1c, of the Oronogo/Duenweg areas and tributaries for Settling Defendants’ cash-out.

“Appendix E” is the trust fund.

XXXI. Community Relations

106. The Settling Defendants shall propose to EPA and the MDNR their participation in the community relations plan to be developed by EPA. EPA will determine the appropriate role for the Settling Defendants under the Plan. The Settling Defendants shall also cooperate with EPA and the MDNR in providing information regarding the Work to the public. As requested by EPA or the MDNR, the Settling Defendants shall participate in the preparation of such information for dissemination to the public and in public meetings which may be held or sponsored by EPA or the MDNR to explain activities at or relating to the Site.

XXXII. Modification

107. Schedules specified in this Consent Decree for completion of the Work may be modified by agreement of EPA and the Settling Defendants. All such modifications shall be made in writing.

108. Except as provided in Paragraph 13 (Modification of the SOW or Related Work Plans), no material modifications shall be made to the SOW without written notification to and written approval of the United States, the State, and the Court, if such modifications fundamentally alter the basic features of the selected remedy within the meaning of 40 C.F.R. 300.435(c)(2)(B)(ii). Prior to providing its approval to any modification, the United States will

provide the State with a reasonable opportunity to review and comment on the proposed modification. Modifications to the SOW that do not materially alter that document, or material modifications to the SOW that do not fundamentally alter the basic features of the selected remedy within the meaning of 40 C.F.R.300.435(c)(2)(B)(ii), may be made by written agreement between EPA, after providing the MDNR with a reasonable opportunity to review and comment on the proposed modification, and the Settling Defendants.

109. Nothing in this Decree shall be deemed to alter the Court's power to enforce, supervise or approve modifications to this Consent Decree.

XXXIII. Lodging and Opportunity for Public Comment

110. This Consent Decree shall be lodged with the Court for a period of not less than thirty (30) days for public notice and comment in accordance with Section 122(d)(2) of CERCLA, 42 U.S.C. § 9622(d)(2), and 28 C.F.R. § 50.7. The United States reserves the right to withdraw or withhold its consent if the comments regarding the Consent Decree disclose facts or considerations which indicate that the Consent Decree is inappropriate, improper, or inadequate. Settling Defendants consent to the entry of this Consent Decree without further notice.

111. If for any reason the Court should decline to approve this Consent Decree in the form presented, this agreement is voidable at the sole discretion of any Party and the terms of the agreement may not be used as evidence in any litigation between or among the Parties.

XXXIV. Signatories/Service

112. The undersigned representative of the Settling Defendants to this Consent Decree, the Assistant Attorney General for the Environment and Natural Resources Division of the Department of Justice, and the Assistant Attorney General, Missouri Attorney General's Office, certifies that he or she is fully authorized to enter into the terms and conditions of this Consent Decree and to execute and legally bind such Party to this document.

113. The Settling Defendants hereby agree not to oppose entry of this Consent Decree by this Court or to challenge any provision of this Consent Decree unless the United States has notified the Settling Defendants in writing that it no longer supports entry of the Consent Decree.

114. The Settling Defendants shall identify, on the attached signature page, the name, address and telephone number of an agent who is authorized to accept service of process by mail on behalf of that Party with respect to all matters arising under or relating to this Consent Decree. The Settling Defendants hereby agree to accept service in that manner and to waive the formal service requirements set forth in Rule 4 of the Federal Rules of Civil Procedure and any applicable local rules of this Court, including, but not limited to, service of a summons. The Parties agree that the Settling Defendants need not file an answer to the complaint in this action unless or until the court expressly declines to enter this Consent Decree.

XXXV. Final Judgment

115. This Consent Decree and its appendices constitute the final, complete, and exclusive agreement and understanding among the Parties with respect to the settlement embodied in the Consent Decree. The Parties acknowledge that there are no representations, agreements or understandings relating to the settlement other than those expressly contained in this Consent Decree.

116. Upon approval and entry of this Consent Decree by the Court, this Consent Decree shall constitute a final judgment between and among the United States, the State and the Settling Defendants. The Court finds that there is no just reason for delay and therefore enters this judgment as a final judgment under Fed. R. Civ. P. 54 and 58.

SO ORDERED THIS _____ DAY OF _____, 2009.

United States District Judge

FOR THE UNITED STATES OF AMERICA:

Date

~~John C. Cruden~~
Acting Assistant Attorney General
Environment and Natural Resources Division
U.S. Department of Justice
Washington, D.C. 20530

20 Aug 2009
Date

Elizabeth Loeb
Trial Attorney
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044-7611

THE UNDERSIGNED PARTY enters into this Consent Decree in US District Court for the Western District of Missouri, United States v. Childress Royalty Company and Acme Land Company, Civil Action No. _____.

FOR THE UNITED STATES OF AMERICA:

Date

Charles M. Thomas
Assistant United States Attorney
Western District of Missouri
U.S. Department of Justice
Charles Evans Whittaker Courthouse
400 East Ninth Street, Room 5510
Kansas City, Missouri 64106
Telephone: (816) 426-3130

FOR THE US ENVIRONMENTAL PROTECTION AGENCY:

7/6/09
Date

Cecilia Tapia
Director, Superfund Division
U.S. Environmental Protection Agency, Region 7
901 N. 5th Street
Kansas City, KS 66101

7-1-2009
Date

E. Jane Kloeckner
Assistant Regional Counsel
U.S. Environmental Protection Agency, Region 7
901 N. 5th Street
Kansas City, KS 66101

THE UNDERSIGNED PARTY enters into this Consent Decree in US District Court for the Western District of Missouri, United States v. Childress Royalty Company and Acme Land Company, Civil Action No. _____.

FOR THE STATE OF MISSOURI:

~~_____~~ KLV
Date

Chris Koster, Attorney General
State of Missouri

8/19/09
Date

Skelley A. Woods, Assistant Attorney General
P.O. Box 899
Jefferson City, Missouri 65102-0899
AG0

August 19, 2009
Date

Mark N. Templeton
Director, Missouri Department of Natural Resources
P.O. Box 178
Jefferson City, Missouri 65102-0176

THE UNDERSIGNED PARTY enters into this Consent Decree in US District Court for the Western District of Missouri, United States v. Childress Royalty Company and Acme Land Company, Civil Action No. _____.

**FOR CHILDRESS ROYALTY COMPANY:
and
FOR ACME LAND COMPANY:**

6-30-09
Date

Signature: _____
Name (print): R. Newton Sharp
Title: vice-president
Address: P.O. Box 66
411 W. 5th St.
Joplin, MO 64802
Ph. No. 417 624 5825

Agent Authorized to Accept Service on Behalf of Above-Signed Parties:

6-30-09
Date

Signature: _____
Name (print): R. Newton Sharp
Title: vice-president
Address: P.O. Box 66
411 W. 5th St.
Joplin, MO 64802
Ph. No. 417 624 5825

APPENDIX A (ROD) Omitted Due to Length

APPENDIX B

STATEMENT OF WORK

STATEMENT OF WORK

Childress Royalty Company and Acme Land Company

Consent Decree

for

the Remedial Design and Remedial Action

at

OPERABLE UNIT 01

of the

**ORONOGO-DUENWEG MINING BELT SITE
JASPER COUNTY, MISSOURI**

May, 2009

**STATEMENT OF WORK FOR
REMEDIAL DESIGN AND REMEDIAL ACTION
OPERABLE UNIT 01 OF THE
ORONOGO-DUENWEG MINING BELT SITE
JASPER COUNTY, MISSOURI**

This Statement of Work (SOW) is for the purpose of implementing the selected Remedial Design and the Remedial Action (RD/RA) for certain Parcels of land and Associated Tributaries identified in Table 1 of this SOW, shown on EPA map, Figure 1a, herein this SOW. These Parcels are located within the Oronogo-Duenweg Mining Belt Site (Site) located in Jasper and Newton Counties, Missouri. The required remedy for these Parcels is set forth in the Record of Decision (ROD) for Operable Unit 01 for the Site issued by the U.S. Environmental Protection Agency Region VII (EPA) on September 30, 2004. This SOW is incorporated into and is made a part of the Consent Decree (CD) entered into by the Settling Defendants and the United States of America for the RD/RA of these Parcels. Terms used in this SOW are defined in the CD. The Settling Defendants shall follow the ROD, the CD, the approved RD, and pertinent reference documents listed in this SOW and subsequent revisions thereto, upon notification by the EPA to Settling Defendants of such revision, in submitting deliverables for and implementing the RD/RA.

1.0 INTRODUCTION AND BACKGROUND

The Site is located in the Missouri portion of the Tri-State Mining District. This district was one of the largest zinc-lead mining areas in the world and provided nearly continuous metals production from the 1850s until 1970. Mining and milling operations in the Jasper County portion of the district generated about 150 million tons of wastes which were discarded on the land surface. Because of these wastes and associated heavy metals contamination in soil and ground water, in 1990 EPA placed the Site on the National Priorities List (NPL). Investigations of various contaminated media were initiated in 1991 by EPA and a group of potentially responsible parties. EPA divided the Site into five operable units (OUs), based on media, for investigation and remediation. These OUs are: OU1- Mine and Mill Waste, OU2-Smelter Affected Residential Yards, OU3-Mining Affected Residential Yards, OU4-Groundwater, and OU5-Spring River Basin. This SOW relates only to remedial work to be conducted for OU1. Remedial actions previously selected for OU2, OU3, and OU4 are complete and remedial investigations are currently on-going for OU5.

1.1 Selected Remedy

The ROD for OU1 specifies the remedial actions to address the Source Material and Affected Media located on the Site. The following items are those components of the selected remedy for OU1 that will be addressed at the Parcels:

- Excavation and removal, or capping of Source Material, contaminated soils, and stream sediments exceeding action levels defined in Section 1.3 of this SOW.

- Subaqueous disposal of excavated Source Material and sediments in mine pits or subsidences features.
- Recontouring and revegetating excavated areas.
- Plugging of selected mine shafts and surface water diversion from mine openings.
- A monitoring program for assessing the effect of cleanup on Site streams.
- Institutional controls to protect the remedy and regulate future development.

Continuation of the Health Education Program established under OU2 and OU3 is the remaining component of the selected remedy for OU1. This SOW does not include work related to the Health Education Program.

1.2 Remedial Action Objectives

The media-specific remedial action objectives (RAOs) were developed in the Feasibility Study to address Site risks. RAOs were developed for Source Material, sediment, surface water, and ground water. These RAOs are presented below.

1.2.1 Source Material

The Source Material RAO is designed to address the ecological risks associated with exposure to contaminants of concern (COCs) in mill wastes and the affected soils surrounding the wastes. Terrestrial vertebrates, specifically vermivores, whose diet consists of earthworms and other soil-dwelling invertebrates, are identified as the receptors of concern. Exposure routes in suitable habitat for vermivores consist of ingestions of earthworms and other invertebrates in Source Materials and affected media. Based on this exposure scenario, the Source Material RAO is as follows:

- Mitigate risks to terrestrial vermivores from exposure to COCs from mine, mill, and smelter wastes within the Site, such that the calculated toxicity quotients or hazards indexes are less than or equal to 1.0.

1.2.2 Sediment

Sediments of concern in the Site consist of materials eroded from source areas to water bodies; Class P streams (as defined under Missouri's water quality standards program), and their tributaries. The exposure pathway of concern for the sediment RAO is the movement and redistribution of source materials that could result in exposure of aquatic biota to elevated COC concentrations. The sediment RAO for OU1 is as follows:

- Mitigate risks to aquatic biota in Class P streams and their tributaries exceeding Federal Aquatic Life Criteria (ALC) for the COCs by controlling the transport of mine, mill and smelter wastes from source areas to waters of the state.

1.2.3 Surface Water

Two RAOs have been developed for surface water that address two different pathways of exposure to aquatic biota. The first exposure pathway of concern is the transport of COCs to Class P streams and their tributaries resulting from seepage and runoff from source materials. The second exposure pathway is the transport of COCs to Class P streams and their tributaries resulting from mine pit and pond discharges. The criteria for Class P streams and their tributaries are the Federal ALC, as calculated based on the hardness observed in the individual surface water bodies. The RAOs for OU1 surface water are as follows:

- Mitigate exposure of aquatic biota to COCs released and transported from mine and mill wastes where surface water applicable or relevant and appropriate requirements (ARARs) are exceeded in Class P streams and in tributaries.
- Mitigate exposure of aquatic biota to COCs released and transported from Site mine-related pits and ponds where surface water ARARs are exceeded in Class P streams and in tributaries.

1.2.4 Groundwater

The groundwater RAO addresses exposure of aquatic biota to COCs in Class P streams that receive discharge from flowing mine openings (e.g. mine shafts, vents). The contaminant criteria are Federal ALC. The COCs for OU1 groundwater are cadmium, lead and zinc. The RAO for OU1 groundwater is as follows:

- Mitigate exposure of aquatic biota to COCs in releases of groundwater from flowing mine shafts of the Site where surface water ARARs are exceeded in Class P streams and in tributaries.

1.3 Remedial Action Levels and Performance Standards

1.3.1 Soil and Source Material Cleanup Levels

As detailed in the ROD, the action levels for source materials and contaminated soils are 400 ppm lead, 40 ppm cadmium, and 6,400 ppm zinc.

1.3.2 Surface Water Cleanup Levels

The cleanup criteria for Class P streams and their tributaries are the Federal water quality standards (WQSS), as calculated based on the hardness observed in the individual surface water bodies. The objective of the remedy is to reduce the metals loading to the Class P streams to such a degree that the Federal WQSS will be met throughout the Site.

1.3.3 Sediment Removal Criteria

Numeric action levels for tributary sediments and delta deposits for protection of the aquatic environment were established in the ROD. The numeric action levels for cleanup of the intermittent tributary sediments are 2 ppm cadmium, 70 ppm lead, and 250 ppm zinc. These concentrations were derived from the average concentration of background designated soil values and the average screening values for sediments in consensus-based Threshold Effects Criteria (TEC) for freshwater.

1.3.4 Eroding Source Material Criteria

Aquatic sediment criteria are generally much lower than the concentrations found in the Site Source Material. Any Source Material eroding into streams creates unacceptable risk to aquatic organisms. Therefore, action criteria for Source Material eroding into streams and tributaries, that will protect the aquatic environment, are based on the observation of the material by the RPM or his designee, in consultation with the State of Missouri. This performance standard is strictly visual, in that any Source Material eroding, or with high potential to erode to streams and their tributaries, will be addressed. This includes all Source Material in the intermittent tributaries draining to Class P streams.

2.0 SCOPE OF REMEDIAL DESIGN AND REMEDIAL ACTION

The Settling Defendants shall conduct an RD/RA on certain Parcels of land at the Site. For other certain Parcels of land, the Settling Defendants have chosen to make a cash payment to EPA in lieu of conducting the RD/RA. The specific Parcels subject to a remedial action are generally described in Table 1 of this SOW. The RD/RA conducted by the Settling Defendants shall specifically address all Source Material and Affected Media exceeding the Remedial Action Levels located on, or emanating from, the Parcels listed on Table 1.

The Settling Defendants shall prepare a Remedial Design/Remedial Action Work Plan (RD/RA Work Plan) which addresses all aspects of the design, construction, operation and maintenance, and performance monitoring of the remedial actions to be performed by the Settling Defendants. Once the RD/RA Work Plans are approved by EPA, the Settling Defendants shall complete the RD/RA for the Parcels generally described in Table 1 of this SOW.

The RD/RA shall consist of the tasks defined in the following Sections. All plans and submittals are subject to EPA approval after review and comment by the State of Missouri.

3.0 REMEDIAL DESIGN/REMEDIAL ACTION WORK PLAN

The Settling Defendants shall prepare and submit to EPA for review and approval a RD/RA Work Plan which addresses all components and actions for the RD/RA for the Parcels to be addressed under the Consent Decree. The RD/RA Work Plan shall also be submitted to the State of Missouri for review and comment. The RD/RA Work Plan shall document the responsibility, qualifications and authority of all organizations and key personnel performing the work under the Consent Decree. The RD/RA Work Plan shall also contain a schedule of the RD/RA activities.

The RD/RA Work Plan shall include at a minimum, a Design Criteria Report, Sampling and Analysis Plan, Quality Assurance Project Plan, Health and Safety Plan, Performance Standard Verification Plan, Construction Quality Assurance Plan, and Operation and Maintenance Plan. The requirements for these components are discussed below.

3.1 Design Criteria Report

The Design Criteria Report (DCR) shall present the general design assumptions and parameters that will be used to design the remedies for the Parcels, criteria to be used to determine which Source Material, contaminated soils and sediments will be deposited in subsidence pits, mine pits and mine shafts, which Source Material and contaminated soils will be capped in place, the performance standards to be used for design and measures to be taken to ensure compliance with ARARs, and pertinent codes and other regulatory requirements.

3.2 Sampling and Analysis Plan/Quality Assurance Project Plan

The Sampling and Analysis Plan (SAP) shall present: 1) the overall approach that will be used to define the horizontal and vertical extent of Source Materials and Affected Media to be addressed by the remedial action, 2) equipment and procedures for field screening, 3) sample collection and custody procedures, 4) analytical methods for the analysis of samples collected for laboratory analysis and 5) data quality objectives to be used as part of the investigation.

3.3 Quality Assurance Project Plan

The Quality Assurance Project Plan (QAPP) shall be prepared in accordance with Guidance for Quality Assurance Project Plans, EPA QA/G-5 and EPA Requirements for Quality Assurance Project Plans, EPA QA/R-5 and, at a minimum, shall include: 1) discussion of quality assurance objectives, 2) calibration procedures and frequencies, 3) internal quality control checks, 4) data reduction, validation and reporting procedures, 5) performance and system audits and 6) corrective actions and quality assurance reports.

3.4 Health and Safety Plan

The Health and Safety Plan (HASP) shall follow all applicable EPA guidance, Occupational Health and Safety Administration (OSHA) requirements as presented in 29 C.F.R. Sections 1910 and 1926, and applicable requirements under the National Oil and Hazardous Substances Pollution Contingency Plan presented in 40 C.F.R. Section 300.150.

3.5 Performance Standard Verification Plan

The Performance Standard Verification Plan shall present the performance measures to be used to verify that both short-term and long-term performance standards are being satisfied as part of the remedial action and monitoring to be conducted to verify compliance with these performance

measures. Long-term performance standards are identified in Section 1.3 of this SOW. Any short-term performance standards will be identified in said Verification Plan.

3.6 Construction Quality Assurance Plan

The Construction Quality Assurance Plan (CQAP) shall present the quality assurance measures that will be used during the construction of the remedy to ensure that the completed remedy meets or exceeds all design criteria, plans and specification. The CQAP shall, at a minimum, include: (1) responsibilities and authorities of all organizations and key personnel involved in the design and construction of RA, (2) qualifications of the Quality Assurance Official to demonstrate he possesses the training and experience necessary to fulfill his identified responsibilities, (3) protocols for sampling and testing used to monitor construction, (3) identification of proposed quality assurance sampling activities including the sample size, locations, frequency of testing, acceptance and rejection data sheets, problem identification and corrective measures reports, evaluation reports, acceptance reports, and final documentation, (4) reporting requirements for CQA activities shall be described in detail in the CQAP. The reporting requirements shall include such items as daily summary reports, inspection data sheets, problem identification and corrective measures reports, design acceptance reports, and final documentation. Provisions for the final storage of all records consistent with the requirements of the Consent Decree shall be presented in the CQAP.

3.7 Operation and Maintenance Plan

The Operation and Maintenance (O&M) Plan shall discuss the procedures that will be used to verify the long-term effectiveness of the remedy and measures to be taken to maintain the various components of the remedy. The O&M Plan shall include descriptions of: (1) O&M tasks and performance frequency, (2) potential operations problems and required maintenance., (3) routine inspections and testing, (4) corrective actions that may be required and a schedule for completion of the actions, (5) the installation, maintenance, and replacement of any required monitoring equipment, (6) O&M documentation and reporting mechanisms.

3.8 Institutional Controls Implementation Plan

The Institutional Controls Implementation Assurance Plan ("ICIAP") shall describe the controls and restrictions that will be implemented by the Settling Defendant for their Parcels to protect the implemented remedies. The plan shall list each control to be implemented, the agreements anticipated with landowners, duration of controls, and a schedule and anticipated activities to monitoring and assure the continuation of the controls. The Plan shall include but not be limited to: (1) a statement of purpose/objective of any Institutional Controls (ICs) selected by EPA for the Site; (2) a description of the areas where hazardous substance concentrations do not support unlimited use and unrestricted exposure and need to be addressed by the IC(s) and methodology for preparing final survey maps and legal descriptions for such areas after completion of construction; (3) draft documents of the ICs that will be used to meet the remedial objective and identify which exposure pathways a specific IC would address; (4) a draft schedule for

establishing each IC; (5) a determination whether the ICs will be of short-term duration (such as interim ICs required to control areas where Source Materials may be consolidated for subsequent use pending completion of the RA) or long duration (such as permanent covenants that runs with the land prohibiting any development on disposal area caps covering Source Material and Affected Media); (6) a demonstration by another party, if any, of its authority to implement the IC, including title insurance commitment for proposed easements/restrictive covenant; (7) a demonstration that real property to be restricted by easements/restrictive covenants is free and clear of all prior liens and encumbrances except those liens and encumbrances that have been approved by EPA, after consultation with the MDNR; (8) a schedule for implementing the ICs; (9) an IC monitoring plan to ensure compliance with the ICIAP; (10) annual certification that ICs are maintained and remain in place; and (11) mapping data, if available.

4.0 REMEDIAL DESIGN PHASES

The Settling Defendants shall the prepare remedial design documents to implement the remedial actions for the Parcels subject to the Consent Decree in accordance with this SOW and the EPA approved RD/RA Work Plan. The remedial design documents shall be submitted to EPA and the State of Missouri in accordance with the scheduling requirements set forth in Section 7.0 of this SOW. The schedule for conducting the RA for the Parcels shall be defined in the remedial design document for the Parcels. All plans and specifications shall be developed in accordance with the EPA Superfund Remedial Design and Remedial Action Guidance (OSWER Directive No- 9355.0-4A) and shall demonstrate that the Remedial Action meets all objectives of the ROD, the CD, and this SOW. The Settling Defendants shall implement the remedy in accordance with their final RD/RA Work Plan. The Settling Defendants shall communicate with the EPA as necessary to discuss RD issues. Specific requirements of the RD are described below.

4.1 Preliminary Design Document

The Preliminary Design Document shall be prepared and submitted to EPA and the State of Missouri when the remedial design is approximately 30 percent complete. The Preliminary Design Document shall present the findings and results of the pre-design studies and, at a minimum, include: (1) volume of tailings to be excavated and disposed of subaqueously, (2) volume and area of tailings to be consolidated and capped in-place, (3) volume and area of soil exceeding remedial action levels, (5) location and capacity of voids to be used for subaqueous disposal, (6) location and description of surface water diversion structures, (7) location of overflowing shafts to be plugged and detailed plugging plans, (8) preliminary cap design, (9) design calculations and outline of design specifications, (10) access, easement and permit requirements, (11) tributary specific numeric sediment cleanup goals, and (12) a preliminary construction schedule.

After review by EPA and the State of Missouri, a design meeting shall be held at EPA's offices or the Site to discuss the preliminary design for the Parcels and to define any additional requirements to complete the design.

4.2 Pre-Final and Final Design Documents

The Pre-Final Design Document shall be prepared and submitted to EPA and the State of Missouri when the design is approximately 95 percent complete. The Pre-Final Design shall address all comments and recommendations received on the Preliminary Design Document and shall include final volume calculations, design specifications, final design drawings, and a project schedule (with major milestones) for implementation of the remedy at the Parcels. After EPA's review of the Pre-Final Design, a Final Design shall be prepared and submitted to EPA and the State of Missouri, and shall address any and all EPA comments on the Pre-Final Design Document.

5.0 REMEDIAL ACTION CONSTRUCTION

The Settling Defendants shall initiate the construction of the remedial action for the Parcels as detailed in the approved Final Design Document within 30 days of EPA's approval of the Final Design Document.

There shall be one pre-construction and two post-construction inspections conducted as part of remedial action construction at the Parcels. After completion of all required work associated with the Parcels, a Construction Completion Report shall be submitted to EPA and the State of Missouri. The specific requirements are discussed below.

5.1 Pre-Construction Inspection

Prior to initiating construction of a remedial action for the Parcels, a Pre-Construction Inspection meeting shall be held among the Settling Defendants, the Remedial Contractor, EPA and the State of Missouri to review construction plans, tour remedial action areas, and to discuss remedy in detail. The findings of the inspection shall be documented in a Pre-Construction Inspection Report prepared by the Settling Defendants, which will be distributed to all participants of the inspection.

5.2 Pre-Final Inspection

Within 15 days of completion of the remedy for the Parcels, a Pre-Final Inspection shall be scheduled among the Settling Defendants, the Remedial Contractor for the Settling Defendants, EPA and the State of Missouri. The Pre-Final Inspection shall consist of an inspection of all components of the remedial action for the Parcels to verify that the remedy has been completed consistent with the approved design and to define any outstanding construction details that must be addressed before EPA can deem the remedy complete. The findings of the inspection, including any outstanding construction details and a plan and schedule to resolve the construction details, shall be documented in a Pre-Final Inspection Report prepared by the Settling Defendants, which shall be distributed to all participants of the inspection.

5.3 Final Inspection

If necessary, a Final Inspection of the remedy shall be scheduled among the Settling Defendants, the Remedial Contractor, EPA and the State of Missouri to inspect the addressed construction details which were identified during the Pre-Final Inspection. Within 15 days of completion of any work required to address the identified construction details, a Final Inspection shall be scheduled. The Settling Defendants shall notify the EPA and the State of Missouri of completion and schedule the Final Inspection. If no major construction details are identified with the remedy of the Parcels, EPA can elect to forego the Final Inspection. If conducted, the findings of the Final Inspection shall be documented in a Final Inspection Report prepared by the Settling Defendants and distributed to all participants of the inspection.

5.4 Construction Completion Report

Within 30 days of EPA's determination that a remedial action for the Parcels is complete, the Settling Defendants shall submit to EPA and the State of Missouri a Construction Completion Report. The Report shall detail the remedial activities completed and include as-built drawings signed and stamped by a registered professional engineer. The registered professional engineer or the remedial contractor's construction manager must certify that the remedy was constructed in accordance with the EPA-approved design document. The report shall also contain the following statement signed by a responsible corporate official of a Settling Defendant or the Settling Defendant's Project Coordinator:

"To the best of my knowledge, after thorough investigation, I certify that the information contained in or accompanying this submission is true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

6.0 PERFORMANCE MONITORING AND OPERATION AND MAINTENANCE

Performance monitoring shall be conducted to in accordance with the Performance Standard Verification Plan, required in Section 3.5 of this SOW to ensure that all Performance Standards are met.

Upon completion of the remedial action at the Parcels generally described on Table 1, the Settling Defendants shall implement the long term Operation and Maintenance (O&M) in accordance with the approved O&M Plan required in Section 3.7 of this SOW.

7.0 MAJOR DELIVERABLES AND SCHEDULE

The RD/RA will be completed by the Settling Defendants for the Parcels listed on Table 1 of this SOW. After EPA approval of the RD/RA Work Plan, the Settling Defendants shall conduct the

RD for the Parcels. Upon EPA approval of the Final Design Document for the Parcels, the Settling Defendants shall initiate the RA at the Parcels.

A summary of the project tasks and deliverables and their due dates is presented in the SOW Schedule below. For each required deliverable, the Settling Defendants shall submit two copies to EPA and two copies to the State of Missouri for review and comment.

<u>Task /Deliverable</u>	<u>Due Date</u>
RD/RA Work Plan	Within 30 days after EPA's approval of the Project Manager and issuance of an authorization to proceed pursuant to the CD
Preliminary Design Document	Within 60 days of EPA approval of the RD/RA Work Plan
Pre-Final Design Document	Within 45 days after receipt of EPA's comments on the Preliminary Design
Final Design Document	Within 15 days after receipt of EPA's comments on the Pre-Final Design
Pre-Construction Inspection	Prior to the initiation of the RA on the Parcels
Initiate Remedial Action	Within 30 days after EPA's approval of the Final Design
Completion of Remedial Action	In accordance with the project schedule in the EPA approved Final Design
Pre-Final Inspection	Scheduled within 30 days after completion of the construction of the remedy on the Parcels
Pre-Final Inspection Report	Within 15 days after completion of Pre-Final Inspection on the Parcels
Final Inspection	Within 15 days after completion of work identified in Pre-Final Inspection Report the Parcels
Final Inspection Report	Within 15 days after completion of work identified in the Final Inspection for the Parcels
Construction Completion Report	Within 30 days after the completion of all phases of work for the Parcels in accordance with the CD

Table 1
Parcels for Remedial Design/Remedial Action
Childress Royalty Company and Acme Land Company

<u>Parcel</u>	<u>General Location Description</u>
Church Mitchell	W/2 NW/4, Sec.33, T28N, R32W
Hayland	NE/4; E/2 NW/4; N/2 S/2; SE/4 SE/4, Sec.32, and NW/4; SW/4 Sec. 33, T28N, R32W

The Parcels and their Associated Tributaries are generally depicted on EPA map, Figure 1a, herein this SOW. All mine and mill wastes and/or associated metals contamination, such as transition zone soils, emanating or spilling over from these parcels onto adjacent lands shall also be include in any remedial design and remedial action activities by the Settling Defendants. All sediments in the tributaries located on these parcels and flowing downstream from the mining wastes areas located on these parcels that contain metals concentrations exceeding the action levels, shall also be included in the remedial design and remedial action.

REFERENCE DOCUMENTS

The National Oil and Hazardous Substances Pollution Contingency Plan, 40 C.F.R. Part 300.

"EPA Superfund Remedial Design and Remedial Action Guidance," Interim Final, US EPA, Office of Solid Waste and Emergency Response, OSWER Directive 9355.0-4A, June 1986.

"Guidance for the Data Quality Objectives Process, EPA QA/G-4," US EPA, Office of Environmental Information, EPA/600/R-96/055, August 2000.

"Guidance for Quality Assurance Project Plans, EPA QA/G-5," US EPA, Office of Research and Development, EPA/240/R-02/009, December 2002.

"EPA Requirements for Quality Assurance Project Plans, EPA QA/R-5," Interim Final, US EPA, Quality Assurance Division, November 1999.

"Test Methods for Evaluating Solid Wastes," US EPA, Office of Solid Waste and Emergency Response, SW-846, Third Edition, Volumes IA, IB, IC and II, November 1986 (including Final Update I, July 1992; Final Update II, September 1994).

"CERCLA Compliance with Other Laws Manual," Draft Guidance, US EPA, Office of Emergency and Remedial Response, OSWER Directive No. 9234.1-01, EPA/540/G-89/006, August 1988.

"CERCLA Compliance with Other Laws Manual, Part II," Interim Final, US EPA, Office of Emergency and Remedial Response, OSWER Directive No. 9234.1-02, EPA/540/G-89/009, August 1989.

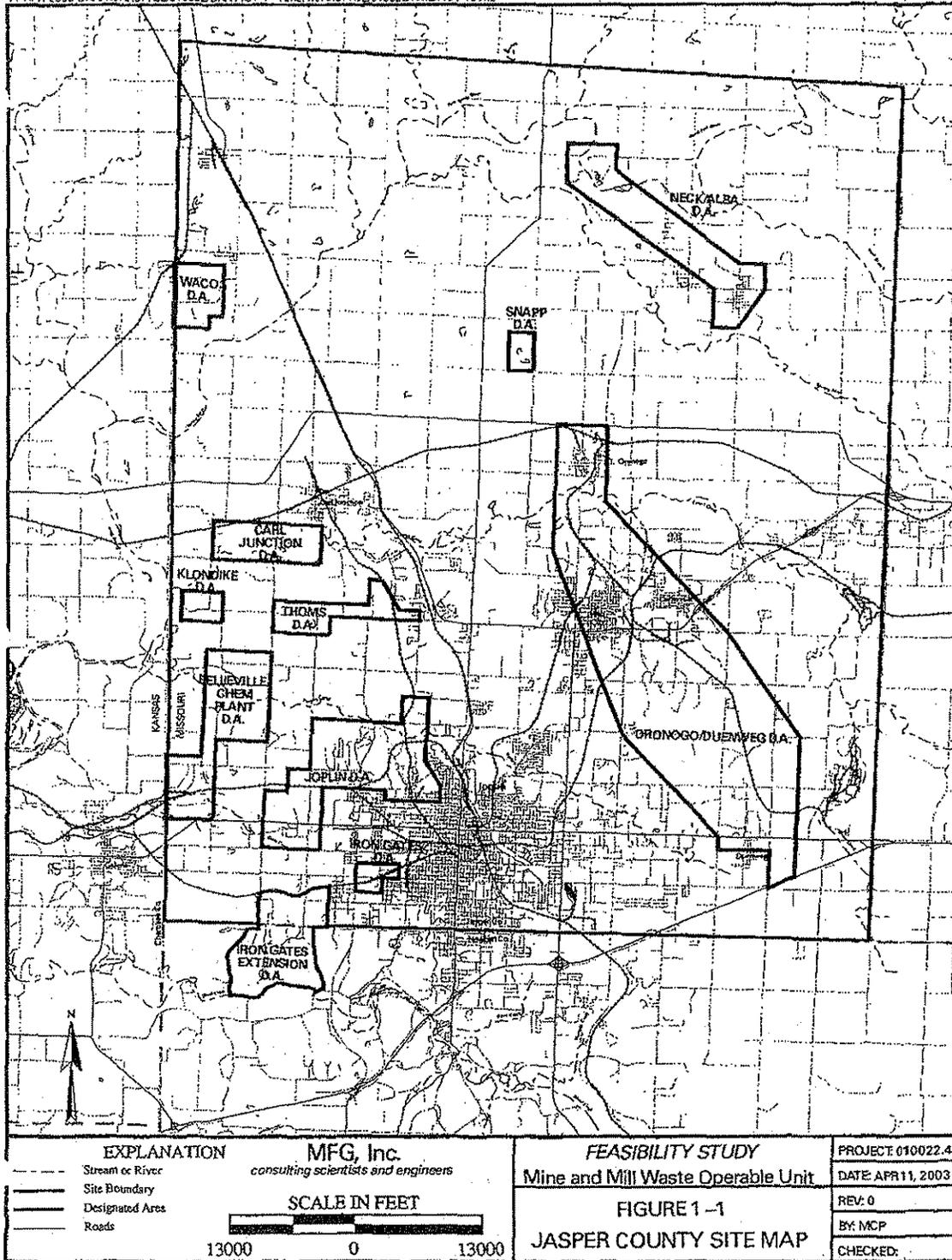
"Overview of the Off-Site Rule for OSCs and RPMs," US EPA, Office of Solid Waste and Emergency Response, EPA Publication No. 9834.11FS, September 1993.

"Health and Safety Roles and Responsibilities at Remedial Sites," US EPA, Office of Solid Waste and Emergency Response, EPA Publication No. 9285.1-02, July 1991.

OSHA Regulations in 29 C.F.R. Sections 1910.120 (Federal Register 45654, December 19, 1986).

APPENDIX C

SITE MAP

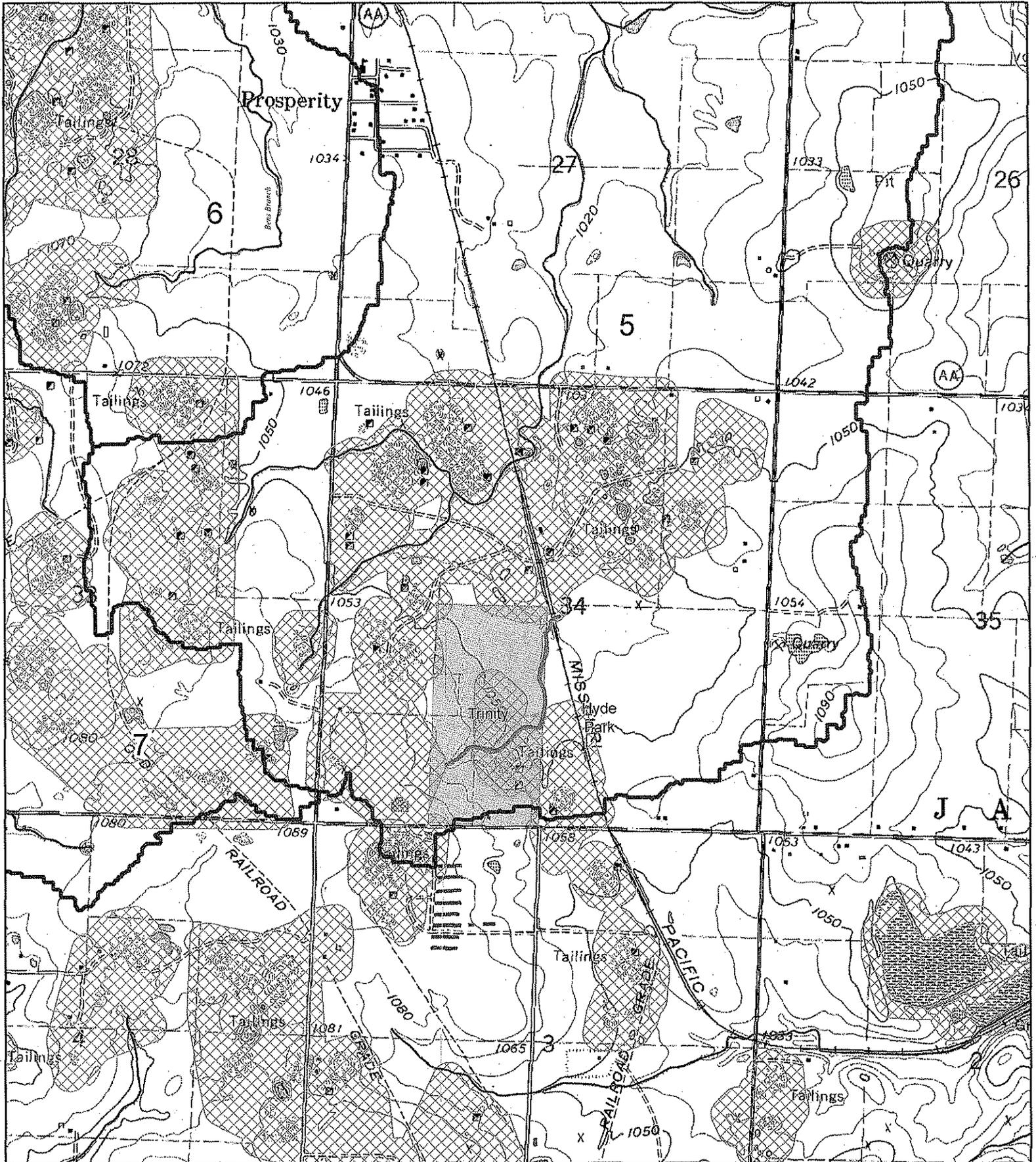


EXPLANATION - - - - - Stream or River ——— Site Boundary ——— Designated Area ——— Roads	MFG, Inc. <i>consulting scientists and engineers</i>	FEASIBILITY STUDY	PROJECT 010022.4
		Mine and Mill Waste Operable Unit	DATE: APR 11, 2003
SCALE IN FEET 13000 0 13000		FIGURE 1-1 JASPER COUNTY SITE MAP	
		CHECKED:	

APPENDIX D

CASH OUT AREAS

RD/RA Cash-out and Cost Recovery Consent Decree
Childress Royalty and Acme Land Companies



Jasper County Mining
Acme Land Co. &
Childress Royalty Co.

Legend

- Acme Land/Childress Royalty
- Watershed Boundary
- Acme Land/Childress Royalty
- Waste 200 ft buffer

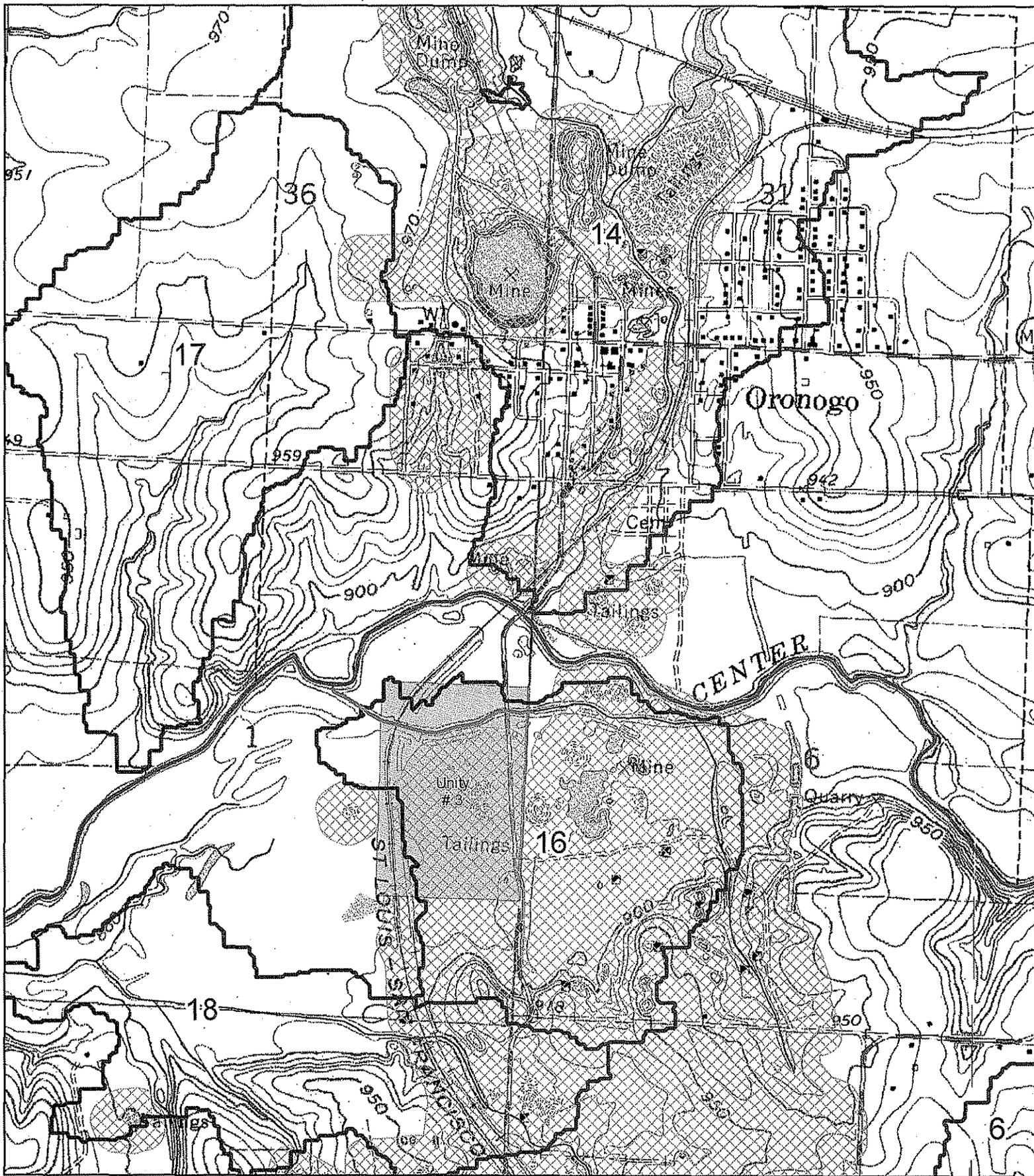
T27N R32W

Data Source:
Streams: 1:24k National Hydrography Dataset
DRG: USGS Standard Series Topographic Map
Leases:
B&V PRP Map 1996
Leases based on PRP 104e responses
Waste buffer of 200'



SF09-02-001 JMB 4/20/09

Cashout
Figure 1c



Jasper County Mining
Acme Land Co. &
Childress Royalty Co.

Cashout
Figure 1b

Legend

- Acme Land/Childress Royalty
- ▨ Acme Land/Childress Royalty - Cashout
- Watershed Boundary
- ▩ Waste 200 ft buffer



Data Source:
Streams: 1:24k National Hydrography Dataset
DRG: USGS Standard Series Topographic Map
Leases:
BRY PRP Map 1996
Leases based on BRY 1946 response
Waste buffer of 200'



SF09-02-001 JMB 4/20/09

APPENDIX E

TRUST FUND



TRUST AGREEMENT

[] Site
Dated: _____, _____

This Trust Agreement (this "Agreement") is entered into as of [date] by and between [name of entity funding the trust], a [insert "corporation," "limited liability company," "partnership," etc.] organized and existing under the laws of the State of [] (the "Grantor"), and [name of trustee], a [insert "corporation," "banking organization," "association," etc.] organized and existing under the laws of the State of [] (the "Trustee").

Whereas, the United States Environmental Protection Agency ("EPA"), an agency of the United States federal government, and the Grantor have entered into a Consent Decree, United States of America v. [], Civil Action No. [], for the [] Site (hereinafter the "Consent Decree");

Whereas, the Consent Decree provides that the Grantor shall provide assurance that funds will be available as and when needed for performance of the Work required by the Consent Decree;

Whereas, in order to provide such financial assurance, Grantor has agreed to establish and fund the trust created by this Agreement; and

Whereas, the Grantor, acting through its duly authorized officers, has selected the Trustee to be the trustee under this Agreement, and the Trustee has agreed to act as trustee hereunder.

Now, therefore, the Grantor and the Trustee agree as follows:

Section 1. Definitions. As used in this Agreement:

- (a) The term "Beneficiary" shall have the meaning assigned thereto in Section 3 of this Agreement.
- (b) The term "Business Day" means any day, other than a Saturday or a Sunday, that banks are open for business in [], USA.
- (c) The term "Claim Certificate" shall have the meaning assigned thereto in Section 4(a) of this Agreement.
- (d) The term "Fund" shall have the meaning assigned thereto in Section 3 of this Agreement.
- (e) The term "Grantor" shall have the meaning assigned thereto in the first paragraph of this Agreement.
- (f) The term "Objection Notice" shall have the meaning assigned thereto



in Section 4(b) of this Agreement.

(g) The term "Site" shall have the meaning assigned thereto in Section 2 of this Agreement.

(h) The term "Trust" shall have the meaning assigned thereto in Section 3 of this Agreement.

(i) The term "Trustee" shall mean the trustee identified in the first paragraph of this Agreement, along with any successor trustee appointed pursuant to the terms of this Agreement.

(j) The term "Work" shall have the meaning assigned thereto in the Consent Decree.

Section 2. Identification of Facilities and Costs. This Agreement pertains to costs for Work required at the [] site in [] County, [] (the "Site"), pursuant to the above referenced Consent Decree.

Section 3. Establishment of Trust Fund. The Grantor and the Trustee hereby establish a trust (the "Trust"), for the benefit of EPA (the "Beneficiary"), to assure that funds are available to pay for performance of the Work in the event that Grantor fails to conduct or complete the Work required by, and in accordance with the terms of, the Consent Decree. The Grantor and the Trustee intend that no third party shall have access to monies or other property in the Trust except as expressly provided herein. The Trust is established initially as consisting of funds in the amount of [] U.S. Dollars (\$). Such funds, along with any other monies and/or other property hereafter deposited into the Trust, and together with all earnings and profits thereon, are referred to herein collectively as the "Fund." The Fund shall be held by the Trustee, IN TRUST, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount or adequacy of, nor any duty to collect from the Grantor, any payments necessary to discharge any liabilities of the Grantor owed to the United States.

Section 4. Payment for Work Required Under the Consent Decree. The Trustee shall make payments from the Fund in accordance with the following procedures.

(a) From time to time, the Grantor and/or its representatives or contractors may request that the Trustee make payment from the Fund for Work performed under the Consent Decree by delivering to the Trustee and EPA a written invoice and certificate (together, a "Claim Certificate") signed by an officer of the Grantor (or the relevant representative or contractor) and certifying:

(i) that the invoice is for Work performed at the Site in accordance with the Consent Decree;

(ii) a description of the Work that has been performed, the amount of the claim, and the identity of the payee(s); and



(iii) that the Grantor has sent a copy of such Claim Certificate to EPA, both to the EPA attorney and the EPA RPM at their respective addresses shown in this Agreement, the date on which such copy was sent, and the date on which such copy was received by EPA as evidenced by a return receipt (which return receipt may be written, as in the case of overnight delivery, certified mail, or other similar delivery methods, or electronic, as in the case of e-mail, facsimile, or other similar delivery methods).

(b) EPA may object to any payment requested in a Claim Certificate submitted by the Grantor (or its representatives or contractors), in whole or in part, by delivering to the Trustee a written notice (an "Objection Notice") within thirty (30) days after the date of EPA's receipt of the Claim Certificate as shown on the relevant return receipt. An Objection Notice sent by EPA shall state (i) whether EPA objects to all or only part of the payment requested in the relevant Claim Certificate; (ii) the basis for such objection, (iii) that EPA has sent a copy of such Objection Notice to the Grantor and the date on which such copy was sent; and (iv) the portion of the payment requested in the Claim Certificate, if any, which is not objected to by EPA, which undisputed portion the Trustee shall proceed to distribute in accordance with Section 4(d) below. EPA may object to a request for payment contained in a Claim Certificate only on the grounds that the requested payment is either (x) not for the costs of Work under the Consent Decree or (y) otherwise inconsistent with the terms and conditions of the Consent Decree.

(c) If the Trustee receives a Claim Certificate and does not receive an Objection Notice from EPA within the time period specified in Section 4(b) above, the Trustee shall, after the expiration of such time period, promptly make the payment from the Fund requested in such Claim Certificate.

(d) If the Trustee receives a Claim Certificate and also receives an Objection Notice from EPA within the time period specified in Section 4(b) above, but which Objection Notice objects to only a portion of the requested payment, the Trustee shall, after the expiration of such time period, promptly make payment from the Fund of the uncontested amount as requested in the Claim Certificate. The Trustee shall not make any payment from the Fund for the portion of the requested payment to which EPA has objected in its Objection Notice.

(e) If the Trustee receives a Claim Certificate and also receives an Objection Notice from EPA within the time period specified in Section 4(b) above, which Objection Notice objects to all of the requested payment, the Trustee shall not make any payment from the Fund for amounts requested in such Claim Certificate.

(f) If, at any time during the term of this Agreement, EPA implements a "Work Takeover" pursuant to the terms of the Consent Decree and intends to direct payment of monies from the Fund to pay for performance of Work during the period of such Work Takeover, EPA shall notify the Trustee in writing of EPA's commencement of such Work Takeover. Upon receiving such written notice from EPA, the disbursement procedures set forth in Sections 4(a)-(e) above shall immediately be suspended, and the Trustee shall thereafter make payments from the Fund only to such person or persons as



the EPA may direct in writing from time to time for the sole purpose of providing payment for performance of Work required by the Consent Decree. Further, after receiving such written notice from EPA, the Trustee shall not make any disbursements from the Fund at the request of the Grantor, including its representatives and/or contractors, or of any other person except at the express written direction of EPA. If EPA ceases such a Work Takeover in accordance with the terms of the Consent Decree, EPA shall so notify the Trustee in writing and, upon the Trustee's receipt of such notice, the disbursement procedures specified in Sections 4(a)-(e) above shall be reinstated.

(g) While this Agreement is in effect, disbursements from the Fund are governed exclusively by the express terms of this Agreement.

Section 5. Trust Management. The Trustee shall invest and reinvest the principal and income of the Fund and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with directions which the Grantor may communicate in writing to the Trustee from time to time, except that:

(a) securities, notes, and other obligations of any person or entity shall not be acquired or held by the Trustee with monies comprising the Fund, unless they are securities, notes, or other obligations of the U.S. federal government or any U.S. state government or as otherwise permitted in writing by the EPA;

(b) the Trustee is authorized to invest the Fund in time or demand deposits of the Trustee, to the extent such deposits are insured by an agency of the U.S. federal or any U.S. state government; and

(c) the Trustee is authorized to hold cash awaiting investment or distribution uninvested for a reasonable time and without liability for the payment of interest thereon.

Section 6. Commingling and Investment. The Trustee is expressly authorized in its discretion to transfer from time to time any or all of the assets of the Fund to any common, commingled, or collective trust fund created by the Trustee in which the Fund is eligible to participate, subject to all of the provisions hereof and thereof, to be commingled with the assets of other trusts participating therein.

Section 7. Express Powers of Trustee. Without in any way limiting the powers and discretion conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:

(a) to make, execute, acknowledge, and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;

(b) to register any securities held in the Fund in its own name or in the name of a nominee and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with certificates of the same issue held by the Trustee in other fiduciary capacities, or to deposit or arrange for the deposit of



such securities in a qualified central depository even though, when so deposited, such securities may be merged and held in bulk in the name of the nominee of such depository with other securities deposited therein by another person, or to deposit or arrange for the deposit of any securities issued by the U.S. federal government or any U.S. state government, or any agency or instrumentality thereof, with a Federal Reserve bank, but the books and records of the Trustee shall at all times show that all such securities are part of the Fund; and

(c) to deposit any cash in the Fund in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the U.S. federal government.

Section 8. Taxes and Expenses. All taxes of any kind that may be assessed or levied against or in respect of the Fund shall be paid from the Fund. All other expenses and charges incurred by the Trustee in connection with the administration of the Fund and this Trust shall be paid by the Grantor.

Section 9. Annual Valuation. The Trustee shall annually, no more than thirty (30) days after the anniversary date of establishment of the Fund, furnish to the Grantor and to the Beneficiary a statement confirming the value of the Trust. Any securities in the Fund shall be valued at market value as of no more than 60 days prior to the anniversary date of establishment of the Fund. The annual valuation shall include an accounting of any fees or expenses levied against the Fund. The Trustee shall also provide such information concerning the Fund and this Trust as EPA may request from time to time.

Section 10. Advice of Counsel. The Trustee may from time to time consult with counsel with respect to any question arising as to the construction of this Agreement or any action to be taken hereunder; provided, however, that any counsel retained by the Trustee for such purposes may not, during the period of its representation of the Trustee, serve as counsel to the Grantor.

Section 11. Trustee Compensation. The Trustee shall be entitled to reasonable compensation for its services as agreed upon in writing with the Grantor and as notified in writing to the Beneficiary.

Section 12. Trustee and Successor Trustee. The Trustee and any replacement Trustee must be approved in writing by EPA and must not be affiliated with the Grantor. The Trustee may resign or the Grantor may replace the Trustee, but such resignation or replacement shall not be effective until the Grantor has appointed a successor trustee approved in writing by EPA and this successor accepts such appointment. The successor trustee shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor trustee's acceptance of the appointment, the Trustee shall assign, transfer, and pay over to the successor trustee the funds and properties then constituting the Fund. If for any reason the Grantor cannot or does not act in the event of the resignation of the Trustee, the Trustee may apply to EPA



of a court of competent jurisdiction for the appointment of a successor trustee or for instructions. The successor trustee shall specify the date on which it assumes administration of the Fund and the Trust in a writing sent to the Grantor, the Beneficiary, and the present Trustee by certified mail no less than 10 days before such change becomes effective. Any expenses incurred by the Trustee as a result of any of the acts contemplated by this Section shall be paid as provided in Section 8.

Section 13. Instructions to the Trustee. All instructions to the Trustee shall be in writing, signed by such persons as are empowered to act on behalf of the entity giving such instructions. The Trustee shall be fully protected in acting without inquiry on such written instructions given in accordance with the terms of this Agreement. The Trustee shall have no duty to act in the absence of such written instructions, except as expressly provided for herein.

Section 14. Amendment of Agreement. This Agreement may be amended only by an instrument in writing executed by the Grantor and the Trustee, and with the prior written consent of EPA.

Section 15. Irrevocability and Termination. This Trust shall be irrevocable and shall continue until terminated upon the earlier to occur of (a) the written direction of EPA to terminate, consistent with the terms of the Consent Decree and (b) the complete exhaustion of the Fund comprising the Trust as certified in writing by the Trustee to EPA and the Grantor. Upon termination of the Trust pursuant to Section 15(a), all remaining trust property (if any), less final trust administration expenses, shall be delivered to the Grantor.

Section 16. Immunity and Indemnification. The Trustee shall not incur personal liability of any nature in connection with any act or omission, made in good faith, in the administration of this Trust, or in carrying out any directions by the Grantor or the EPA issued in accordance with this Agreement. The Trustee shall be indemnified and saved harmless by the Grantor from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct made by the Trustee in its official capacity, including all expenses reasonably incurred in its defense in the event the Grantor fails to provide such defense.

Section 17. Choice of Law. This Agreement shall be administered, construed, and enforced according to the laws of the State of [_____].

Section 18. Interpretation. As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each Section of this Agreement shall not affect the interpretation or the legal efficacy of this Agreement.

Section 19. Notices. All notices and other communications given under this agreement shall be in writing and shall be addressed to the parties as follows or to such other address as the parties shall by written notice designate:

(a) If to the Grantor, to [_____].



(b) If to the Trustee, to [_____].

(c) If to EPA, to [EPA Region ____, Remedial Project Manger for the Site] and [EPA Region ____, Office of Regional Counsel contact for the Site], at [_____].

[Remainder of page left blank intentionally.]



In Witness Whereof, the parties hereto have caused this Agreement to be executed by their respective officers duly authorized and attested as of the date first above written:

GRANTOR

[Signature of Grantor]
[Name and Title]

State of _____
County of _____

On this [date], before me personally came [name of Grantor official], to me known, who, being by me duly sworn, did depose and say that she/he is [title] of [corporation], the corporation described in and which executed the above instrument; and that she/he signed her/his name thereto.

[Signature of Notary Public]

TRUSTEE

[Signature of Trustee]
[Name and Title]

State of _____
County of _____

On this [date], before me personally came [name of Trustee official], to me known, who, being by me duly sworn, did depose and say that she/he is [title] of [corporation], the corporation described in and which executed the above instrument; and that she/he signed her/his name thereto.

[Signature of Notary Public]