

**Documents currently available for public review at the MSU BILLINGS Library  
Lockwood Solvent Ground Water Plume Site Information Repository are listed  
below.**

United States Environmental Protection Agency (EPA) Integrated Assessment

*Final Sampling and Analysis Plan for the Lockwood Solvent Site Lockwood, Montana* (Pioneer Technical Services Inc., May 1998)

*Final Sampling and Analytical Results Report for the Lockwood Solvent Site Lockwood, Montana* (Pioneer Technical Services Inc., January 1999)

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Montana Department of Environmental Quality (DEQ) Lomond Lane Area Investigation

*Final Sampling and Analysis Plan for the Lockwood Solvent Site Lomond Lane Area Lockwood, Montana* (Pioneer Technical Services Inc., December 1998)

*Addendum No.1 to the Final Sampling and Analysis Plan for the Lockwood Solvent Site Lomond Lane Area Lockwood, Montana* (Pioneer Technical Services Inc., February 1998)

*Final Sampling and Analytical Results Report for the Lockwood Solvent Site-Lomond Land Area Billings, Montana* (Pioneer Technical Services Inc., April 1999)

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Montana Department of Environmental Quality  
Lockwood Solvent Ground Water Plume Site  
Information Repository  
EPA Removal Action Program

Pollution Reports and Action Memorandums Comb-bound documents include:

- *Initial Pollution Report* (EPA, August 1999)
  - *Action Memorandum Amendment and Attachments 1-4* (EPA, January 2000)
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Montana Department of Environmental Quality  
Lockwood Solvent Ground Water Plume Site  
Information Repository  
Hazard Ranking System/National Priorities List

Binder includes:

- Support letter from Governor Racicot, Montana, to William Yellowtail, EPA (April 2000)
- *Final Hazard Ranking System Package* (EPA, May 2000)
- *Descriptions of 14 Proposed Sites and 7 Final Sites Added to the National Priorities List* in May 2000 (EPA, May 2000)

- *Auxiliary Information: National Priorities List, Proposed Rule and Final Rule* (EPA, May 2000)
  - *Support Document for the Revised National Priorities List Final Rule* December 2000 (EPA, December 2000)
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#### Remedial Investigation

*Final Sampling and Analytical Results Report for the Lockwood Solvent Ground Water Plume Site November 2000 Groundwater Sampling Activities Billings, Montana* (DEQ, January 2002)

*Sampling and Analysis Plan Lockwood Solvent Groundwater Plume Preliminary Residential Air Sampling* (DEQ, April 2001)

*Final Work Plan for the Lockwood Solvent Groundwater Plume Site Groundwater Monitoring* (Pioneer Technical Services Inc., June 2001)

*Final Data Summary Report for the Lockwood Solvent Groundwater Plume Site* (Pioneer Technical Services, Inc., December 21, 2001)

*Final Quarterly Groundwater Monitoring Report for the Lockwood Solvent Ground Water Plume Site* October 2001 (Pioneer Technical Services, Inc., March 2002)

*Final Remedial Investigation Work Plan Sampling and Analysis Plan Health and Safety Plan Lockwood Solvent Groundwater Plume Site* (Tetra Tech EM Inc., May 2002)

*Final Comprehensive Indoor Air Sampling and Analytical Results Report for the Lockwood Solvent Groundwater Plume Site* (Tetra Tech EM Inc., October 2002)

*Final Remedial Investigation Report Lockwood Solvent Groundwater Plume Site* (Tetra Tech EM Inc., June 2, 2003)

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#### Feasibility Study

*Final Feasibility Study Report Lockwood Solvent Groundwater Plume Site* (Tetra Tech EM Inc., July 6, 2004)

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Montana Department of Environmental Quality  
Lockwood Solvent Ground Water Plume Site  
Information Repository  
Contents updated: Friday, August 31, 2001  
Public Participation

Binder includes:

**Section 1: Press Releases**

- Public Meeting, May 12, 1999
- EPA Adds Lockwood Groundwater Problem to Superfund List, December 1, 2000
- Public Health Notice, September 23, 1998

**Section 2: Public Health Notice (DEQ, September 1998)**

**Section 3: Chemical Fact Sheets**

- Carbon Tetrachloride (EPA and ATSDR)
- 1, 2-Dichloroethylene (EPA and ATSDR)
- Tetrachloroethylene (EPA and ATSDR)
- Trichloroethylene (EPA and ATSDR)
- Vinyl Chloride (EPA and ATSDR)

**Section 4: General Site Fact Sheets**

- Lockwood Solvent Site Fact Sheet (DEQ, May 1999)
  - Lockwood Solvent Site Fact Sheet (EPA, December 1999)
  - Lockwood Solvent Groundwater Plume Site: *Safe Summer Water Uses* (DEQ, July 2001)
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Agency for Toxic Substance and Disease Registry (ATSDR)

Public Health Assessment for Lockwood Groundwater Plume, July 2003

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Guidance and Policy Documents

*Toxicological Profile for*

*Tetrachloroethylene* (update) (ATSDR, September 1997)

*Toxicological Profile for*

*1, 2-Dichloroethene* (update) (ATSDR, August 1996)

*Toxicological Profile for*

*Carbon Tetrachloride* (update) (ATSDR, May 1994)

*Toxicological Profile for*

*Vinyl Chloride* (update) (ATSDR, September 1997)

*Toxicological Profile for*

*Trichloroethylene* (update) (ATSDR, September 1997)

Montana Department of Environmental Quality

Lockwood Solvent Ground Water Plume Site

Information Repository

Contents Updated: Friday, August 31, 2001

Guidance and Policy Documents

Binder Includes:

- *Policy Toward Owners of Property Containing Contaminated Aquifers* (EPA, November 1995)
  - *Policy on Interpreting CERCLA Provisions Addressing Lenders and Involuntary Acquisitions by Government Entities* (EPA, June 1997)\
  - *Asset Conservation, Lender Liability, and Deposit Insurance Protection Act of 1996* (CERCLA, Section 2501)
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*Final Quarterly Groundwater Monitoring Report for the Lockwood Solvent Ground Water Plume Site*  
July 2001 Volume I

*Final Quarterly Groundwater Monitoring Report for the Lockwood Solvent Ground Water Plume Site* July  
2001 Volume II

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*Final Quarterly Groundwater Monitoring Report Lockwood Solvent Groundwater Plume Site* January  
2002 Volume I  
September 2002

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*Final Quarterly Groundwater Monitoring Report Lockwood Solvent Groundwater Plume Site* April 2002  
Volume I  
June 2003

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*Final Groundwater/Surface Water Monitoring Work Plan (Sampling & Analysis Plan, Quality Assurance Project Plan, and Health & Safety Plan)* Lockwood Solvent Groundwater Plume Site  
October 2002

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*Final Remedial Investigation Report Addendum 01 To The Final Remedial Investigation Report* Lockwood  
Solvent Groundwater Plume Site Yellowstone County, Montana State University Billings  
December 2003

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*Community Involvement Plan* Lockwood Solvent Groundwater Plume Site  
November 2011 (2 copies)

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*Record of Decision* Lockwood Solvent Groundwater Plume Site Billings, Montana State University Billings  
August 2005 (9 copies)

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EPA Superfund Technical Assistance Grants (TAGs)

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Montana Department of Environmental Quality EPA United States Environmental Protection Agency  
Proposed Remedial Action Plan  
Lockwood Groundwater Solvent Plume Site  
Billings, Montana (18 copies)

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URS Operating Services  
October 11, 1999  
Mr. Pete Stevenson  
On Scene Coordinator  
U.S. Environmental Protection Agency, Region VIII  
999 18<sup>th</sup> Street, Suite 600, Mail Code: 8EPR-ER  
Denver, Colorado 80202-2405  
Subject: START, EPA Region VIII, Contract No. 68-W5-0031, TDD No. 9907-0016 Alternatives Analysis,  
Lockwood Solvents, Lockwood, Yellowstone County, Montana

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*Final Interim Summary Report for the Lockwood Solvent Site Lomond Lane Area Lockwood, Montana*

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*Final Remedial Investigation Work Plan Addendum 01 for the Final Remedial Investigation Work Plan  
Sampling and Analysis Plan Health and Safety Plan Lockwood Solvent Groundwater Plume Site  
August 2003*

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*ATSDR Public Health Assessment for  
Lockwood Solvent Groundwater Plume (a/k/a Lockwood Solvent Ground Water Plume) Billings,  
Yellowstone County, Montana EPA Facility ID: MT0007623052  
July 7, 2003 (3 copies)*

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*Public Health Assessment for  
Lockwood Solvent Groundwater Plume (a/k/a Lockwood Solvent Ground Water Plume) Billings,  
Yellowstone County, Montana EPA Facility ID: MT0007623052  
February 8, 2002 (3 copies)*

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*Final Report VOC Groundwater Plume Delineation and Potential Source Area Assessment Lockwood  
Solvent Site- Lomond Lane Area Lockwood, Montana  
November 1999  
U.S. EPA Work Assignment NO.: 0-077  
Lockheed Martin Work Order No.: R1A00077  
U.S. EPA Contract No.: 68-C99-223  
Appendices A-F*

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Lockheed Martin Technology Services Group

Date: 29 November 1999

To: Alan Humphrey, U.S. EPA/ERTC Work Assignment Manager

Through: Gary Newhart, REAC Section Leader

From: Donald T. Bussey, REAC Task Leader

Subject: Document Transmittal under Work Assignment 0-077

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Remedial Design

Lockwood Solvent Groundwater Plume Site

Beall Source Area Operable Unit 1

Yellowstone County, Montana

Supplemental Sampling Program

Quality Assurance Project Plan

January 9, 2013

Revision 3

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Remedial Design

Lockwood Solvent Groundwater Plume Site

Beall Source Area Operable Unit 1

Yellowstone County, Montana

Remedial Design Sampling Program

Quality Assurance Project Plan

July 19, 2014

Revision 4

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Groundwater Monitoring Work Plan

Operable Unit 2

Lockwood Solvent Groundwater Plume Site

Billings, Montana

March 12, 2012

Revision 0

December 14, 2012

Revision 1

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Remedial Design Work Plan

Operable Unit 2

Lockwood Solvent Groundwater Plume Site

Billings, Montana

March 30, 2012

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Lockwood Documents binder:

- Montana Department of Environmental Quality  
Lockwood Solvent Ground Water Plume Site  
Information Repository  
Administrative Record Index  
November 12, 2004
- Montana Department of Environmental Quality  
Lockwood Solvent Ground Water Plume Site  
Information Repository  
Administrative Record Index  
August 17, 2004

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*Record of Decision Lockwood Solvent Groundwater Plume Site Billings, Montana CD-ROM*  
August 2005 (7 copies)

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*Remedial Design Assessment Work Plan*  
*Sampling and Analysis Plan and Field Sampling Plan*  
*Operable Unit 2*  
*Lockwood Solvent Groundwater Plume Site*  
*ATC Project No. 051.24884.0001*  
*August 17, 2012*  
*Revision 2*  
*Revised April 24, 2013*

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*Groundwater Monitoring Work Plan*  
*Operable Unit 2*  
*Lockwood Solvent Groundwater Plume Site*  
*Billings, Montana*  
*ATC Project No. 051.24884.0001*  
*March 12, 2012*  
*Revision 1*  
*Revised December 14, 2012*

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*Vapor Intrusion Assessment Work Plan*  
*Operable Unit 2*  
*Lockwood Solvent Groundwater Plume Site*  
*Billings, MT*  
*ATC Project No. 051.24884.001*  
*November 2, 2012*

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*Remedial Design*

*Lockwood Solvent Groundwater Plume Site (Includes 2 CD-Rom's in front cover)*

*Beall Source Area Operable Unit 1*

*Yellowstone County, MT*

*Pacific Western Technologies, Ltd.*

*Supplemental Sampling Program*

*Quality Assurance Project Plan*

*Revision 2*

*Work Assignment No. 122-RDRD-08AK*

*U.S. EPA Contract No. EP-W-06-006*

*March 132, 2012*

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*Remedial Design (Includes 2 CD-Rom's in pocket inside back cover)*

*Lockwood Solvent Groundwater Plume National Priorities List Site*

*Yellowstone County, MT*

*Site Management Plan*

*Revision A*

*Work Assignment No. 122-RDRD-08AK*

*June 21, 2012*

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*Lockwood Solvent Groundwater Plume Site (Includes 2 CD-Rom's in pocket inside back cover)*

*Soco Source Area Operable Unit 2*

*Yellowstone County, MT*

*Remedial Design Assessment Oversight*

*Field Sampling Plan*

*Revision 2*

*Work Assignment No. 126-BEBE-08AK*

*December 5, 2012*

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*Community Involvement Plan*

*Lockwood Solvent Groundwater Plume Site (Includes 2 CD-Rom's in pocket inside back cover)*

*November 2011*

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*Lockwood Solvent Groundwater Plume Site (Includes 2 CD-Rom's in pocket inside back cover)*

*Soco Source Area Operable Unit 2*

*Yellowstone County, MT*

*Vapor Intrusion Assessment Oversight*

*Field Sampling Plan*

*Revision 1*

*Work Assignment No. 126-BEBE-08AK*

*December 5, 2012*

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*Remedial Design*

*Lockwood Solvent Groundwater Plume Superfund Site (Includes 2 CD-Rom's in pocket inside back cover)*

*Beall Source Area Operable Unit 1*

*Yellowstone County, MT*

*WA122-RDRD-08AK*

*Aquifer Testing Program of the Beall Source Area*

*Revision 2*

*July 11, 2012*

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*Remedial Design*

*Lockwood Solvent Groundwater Plume Superfund Site (Includes 2 CD-Rom's in pocket inside back cover)*

*Yellowstone County, MT*

*Site Contingency Plan*

*Revision 0*

*Work Assignment No. 122-RDRD-08AK*

*June 13, 2011*

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*Remedial Design*

*Lockwood Solvent Groundwater Plume Site (Includes 2 CD-Rom's in pocket inside back cover)*

*Yellowstone County, MT*

*Site Management Plan*

*Revision B*

*Work Assignment No. 122-RDRD-08AK*

*December 6, 2012*

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*Lockwood Solvent Groundwater Plume Site (Includes 2 CD-Rom's in pocket inside back cover)*

*Soco Source Area Operable Unit 2*

*Yellowstone County, MT*

*Remedial Design Oversight*

*Quality Assurance Project Plan*

*Revision 1*

*Work Assignment No. 126-BEBE-08AK*

*August 9, 2012*

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*Remedial Design*

*Lockwood Solvent Groundwater Plume Site (Includes 2 CD-Rom's in pocket inside back cover)*

*Beall Source Area Operable Unit 1*

*Yellowstone County, MT*

*Supplemental Sampling Program*

*Quality Assurance Project Plan*

*Revision 1*

*Work Assignment No. 122-RDRD-08AK*

*October 24, 2012*

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*Lockwood Solvent Groundwater Plume Site  
Soco Source Area Operable Unit 2  
Yellowstone County, Montana  
Remedial Design Oversight  
Quality Assurance Project Plan  
Revision 2  
Work Assignment No. 126-BEBE-08AK  
U.S. EPA Contract No. EP-W-06-006  
February 5, 2013*

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*2012 Annual Groundwater Monitoring Report (includes CD-Rom in pocket inside back cover)  
Operable Unit 2  
Lockwood Solvent Groundwater Plume Site  
Cardno ATC Project No. 051.24884.0001  
March 29, 2013*

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*Remedial Design  
Lockwood Solvent Groundwater Plume Site  
Beall Source Area Operable Unit 1  
Yellowstone County, Montana  
Vapor Intrusion Assessment  
Quality Assurance Project Plan  
Work Assignment No. 122-RDRD-08AK  
U.S. EPA Contract No. EP-W-06-006  
April 30, 2013*

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*2013 Annual Groundwater Monitoring Report  
Operable Unit 2  
Lockwood Solvent Groundwater Plume Site  
Billings, Montana  
Cardno ATC Project No. 051.24884.0001  
March 31, 2014*

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*Revised Addendum 01  
Remedial Design Assessment Work Plan  
Sampling and Analysis Plan and Field Sampling Plan  
Operable Unit 2  
Lockwood Solvent Groundwater Plume Site  
Billings, Montana*

*Cardno ATC Project No. 051.24884.0001*

*Revision 0*

*July 9, 2014*

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*Revised Remedial Design Assessment*

*In Situ Chemical Oxidation Pilot Test Work Plan*

*Sampling and Analysis Plan and Field Sampling Plan*

*Operable Unit 2*

*Lockwood Solvent Groundwater Plume Site*

*Billings, Montana*

*Tasman Project No. Z05100003*

*November 25, 2015*

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*2014 Annual Groundwater Monitoring Report*

*Operable Unit 2*

*Lockwood Solvent Groundwater Plume Site*

*Includes 3 cd-rom*

*Billings, MT*

*Cardno ATC Project No. Z0510000003*

*March 31, 2015*

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*Vapor Intrusion Assessment Report*

*Operable Unit 2*

*Lockwood Solvent Groundwater Plume Site*

*Billings, Montana*

*Cardno ATC Project No. Z051000003*

*May 22, 2015*

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*Revised Remedial Design Assessment*

*Work Plan for the Delineation and Physical Characterization of Fine-grained Source Soils*

*Sampling and Analysis Plan and Field Sampling Plan*

*Operable Unit 2*

*Lockwood Solvent Groundwater Plume Site*

*Billings, Montana*

*Tasman Project No. Z05100003*

*September 13, 2016*

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*Revised 2016 Annual Groundwater Monitoring Report*  
*Operable Unit 2*  
*Lockwood Solvent Groundwater Plume Site*  
*Tasman Project No. Z0510000003*  
*June 3, 2016*

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*Revised Former Tank Farm Area in Situ Chemical Oxidation Work Plan*  
*Sampling and Analysis Plan and Field Sampling Plan*  
*Operable Unit 2*  
*Lockwood Solvent Groundwater Plume Site*  
*Billings, Montana*  
*Tasman Project No. Z05100003*  
*November 1, 2016*

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*Revised 2016 Annual Groundwater Monitoring Report*  
*Operable Unit 2*  
*Lockwood Solvent Groundwater Plume Site*  
*Billings, Montana*  
*Tasman Project No. Z05100003*  
*April 20, 2017*

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*Revised Addendum 01 to the Revised Former Tank Farm Area in Situ Chemical*  
*Oxidation Work Plan*  
*Operable Unit 2*  
*Lockwood Solvent Groundwater Plume Site*  
*Billings, Montana*  
*Tasman Project No. Z05100003*  
*April 20, 2017*

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*Revised Remedial Design Assessment  
Delineation and Physical Characterization of Fine-Grained Source Soils Report  
Operable Unit 2  
Lockwood Solvent Groundwater Plume Site  
Billings, Montana  
Tasman Project No. Z05100003  
April 20, 2017*

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*Second Revised  
Remedial Design Assessment  
Ozone Sparge/Vapor Recovery Pilot Test Work Plan  
Sampling and Analysis Plan and Field Sampling Plan  
Operable Unit 2  
Lockwood Solvent Groundwater Plume Site  
Billings, Montana  
August 25, 2017*

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*Revised Remedial Action Work Plan  
For Fine-Grained Source Soils  
Operable Unit 2  
Lockwood Solvent Groundwater Plume Site  
Billings, Montana  
October 13, 2017*

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*Revised Open Excavation Water Treatment Work Plan  
Supplement to the Revised Remedial Action Work Plan  
For Fine-Grained Source Soils  
Operable Unit 2  
Lockwood Solvent Groundwater Plume Site  
Billings, Montana  
January 5, 2018*

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*Revised Concrete Removal Work Plan  
Supplement to the Revised Remedial Action Work Plan  
For Fine-Grained Source Soils  
Operable Unit 2  
Lockwood Solvent Groundwater Plume Site  
Billings, Montana  
January 19, 2018*

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*Revised Addendum 01  
To the Revised Remedial Design Assessment  
Work Plan for the Delineation and Physical Characterization  
Of Fine-Grained Source Soils  
Sampling and Analysis Plan and Field Sampling Plan  
Operable Unit 2  
Lockwood Solvent Groundwater Plume Site  
Billings, Montana  
April 3, 2018*

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**Last updated 6-19-2018**