

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)

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)

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)
-

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)
-

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)

Feasibility Study

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

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)
-

Agency for Toxic Substance and Disease Registry (ATSDR)

Public Health Assessment for Lockwood Groundwater Plume, July 2003

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)
-

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

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

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

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

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

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

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

EPA Superfund Technical Assistance Grants (TAGs)

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

URS Operating Services
October 11, 1999
Mr. Pete Stevenson
On Scene Coordinator
U.S. Environmental Protection Agency, Region VIII
999 18th 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

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

*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*

*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)*

*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)*

*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*

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

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

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

Groundwater Monitoring Work Plan

Operable Unit 2

Lockwood Solvent Groundwater Plume Site

Billings, Montana

March 12, 2012

Revision 0

December 14, 2012

Revision 1

Remedial Design Work Plan

Operable Unit 2

Lockwood Solvent Groundwater Plume Site

Billings, Montana

March 30, 2012

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

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

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

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

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

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

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

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

Community Involvement Plan

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

November 2011

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

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

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

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

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

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

*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*

*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*

*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*

*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*

*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

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

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

Vapor Intrusion Assessment Report

Operable Unit 2

Lockwood Solvent Groundwater Plume Site

Billings, Montana

Cardno ATC Project No. Z051000003

May 22, 2015

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

*Revised 2016 Annual Groundwater Monitoring Report
Operable Unit 2
Lockwood Solvent Groundwater Plume Site
Tasman Project No. Z051000003
June 3, 2016*

*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*

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

*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*

*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*

*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*

*Fine-Grained Source Soils
Interim Remedial Action Completion Report No. 1
Operable Unit 2
Lockwood Solvent Groundwater Plume Site
Billings, Montana
March 4, 2019*

*Enhanced Bioremediation Pilot Test Work Plan
Sampling and Analysis Plan and Field Sampling Plan
Operable Unit 2
Lockwood Solvent Groundwater Plume Site
Billings, Montana
July 25, 2019*

Addendum 01

To the Revised Remedial Action Work Plan

For Fine-Grained Source Soils

Operable Unit 2

Lockwood Solvent Groundwater Plume Site

Billings, Montana

February 11, 2020

Last updated 6/15/2020