



Callahan Mining Corp.  
NPL Site Administrative Record File  
Record of Decision (ROD) Proposed Plan

Index

Proposed Plan Dated July 2009  
Released: July 2009

Prepared by  
EPA New England  
Office of Site Remediation & Restoration

## Introduction to the Collection

This is the administrative record file for the Callahan Mining Corp. Superfund Site, Brooksville, Maine, Operable Unit 1 - Sitewide, Record of Decision (ROD) Proposed Plan, released July 2009. The file contains site-specific documents and a list of guidance documents used by EPA staff in selecting a response action at the site.

The administrative record file is available for review at:

EPA New England Office of  
Site Remediation & Restoration  
1 Congress Street, Suite 1100 (HSC)  
Boston, MA 02114

(by appointment)  
617-918-1440 (phone)  
617-918-0440 (fax)

[www.epa.gov/region01/superfund/resource/records.htm](http://www.epa.gov/region01/superfund/resource/records.htm)

Brooksville Free Public Library  
1 Town House Road  
Brooksville, ME 04617

207-326-4560 (phone)

<http://www.brooksvillelibrary.org/>

An administrative record file is required by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA).

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Questions about this administrative record file should be directed to the EPA New England site manager.

AR Collection: 61131  
ROD PROPOSED PLAN

## AR Collection Index Report

\*\*\*For External Use\*\*\*

## Phase 01: SITE ASSESSMENT

## 44324 HAZARD RANKING SYSTEM (HRS) PACKAGE

Author: US EPA REGION 1  
Addressee:  
Doc Type: REPORT

Doc Date: 07/16/2001 # of Pages: 1  
File Break: 01.06

## Phase 03: REMEDIAL INVESTIGATION (RI)

## 452647 THESIS ON IDENTIFICATION OF SULFIDE MINE CONTAMINATION USING LEAD ISOTOPES: A STUDY IN THE COASTAL MAINE COPPER DISTRICT

Author: ANDREW J BOECKLER UNIVERSITY OF NEW HAMPSHIRE  
Addressee:  
Doc Type: REPORT

Doc Date: 12/01/1996 # of Pages: 133  
File Break: 17.07

## 44290 CONCEPTUAL MODEL AND REMEDIAL INVESTIGATION / FEASIBILITY STUDY (RI/FS) STATEMENT OF WORK (SOW)

Author: METCALF & EDDY  
Addressee: TRC COMPANIES INC  
Doc Type: REPORT

Doc Date: 04/01/2003 # of Pages: 200  
File Break: 03.03

## 44589 PUBLIC HEALTH ASSESSMENT

Author: US AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY (ATSDR)  
Addressee: US DEPT OF HEALTH AND HUMAN SERVICES  
Doc Type: REPORT  
HEALTH/RISK ASSESSMENT

Doc Date: 04/17/2003 # of Pages: 47  
File Break: 03.09

## 452600 REVISED FIELD SAMPLING PLAN (FSP) FOR REMEDIAL INVESTIGATION (RI)

Author: TRC ENVIRONMENTAL CORPORATION  
Addressee:  
Doc Type: REPORT

Doc Date: 11/01/2004 # of Pages: 343  
File Break: 03.03

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## Phase 03: REMEDIAL INVESTIGATION (RI)

## 452605 CONCEPTUAL APPROACH TO THE REMEDIAL INVESTIGATION AND FEASIBILITY STUDY (RI/FS)

Author: MAINE DEPARTMENT OF TRANSPORTATION

Doc Date: 03/04/2005

# of Pages: 237

Addressee: US EPA REGION 1

File Break: 03.06

Doc Type: REPORT

## 452601 SUMMARY REPORT: MARINE GEOPHYSICAL SURVEY, GOOSE COVE/GOOSE PONDS, BROOKSVILLE, MAINE

Author: HYDROTERRA ENVIRONMENTAL SERVICES LLC

Doc Date: 03/11/2005

# of Pages: 36

Addressee:

File Break: 03.04

Doc Type: REPORT

## 452602 GEOPHYSICAL INVESTIGATION [WITH TRANSMITTAL LETTER]

Author: HYDROTERRA ENVIRONMENTAL SERVICES LLC

Doc Date: 03/14/2005

# of Pages: 40

Addressee:

File Break: 03.04

Doc Type: REPORT

## 452648 FINAL INTERIM WORK PLAN NO. 1 FOR REMEDIAL INVESTIGATION (RI)

Author: MACTEC ENGINEERING AND CONSULTING INC

Doc Date: 04/07/2005

# of Pages: 40

Addressee: MAINE DEPARTMENT OF TRANSPORTATION

File Break: 03.07

Doc Type: WORK PLAN

## 236983 DRAFT REMEDIAL INVESTIGATION (RI) DATA REPORT

Author: METCALF &amp; EDDY

Doc Date: 06/01/2005

# of Pages: 866

Addressee: TRC ENVIRONMENTAL CORP

File Break: 03.02

US EPA REGION 1

Doc Type: REPORT

SAMPLING DATA

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## Phase 03: REMEDIAL INVESTIGATION (RI)

## 452649 FINAL INTERIM WORK PLAN NO. 2 FOR REMEDIAL INVESTIGATION (RI)

**Author:** MACTEC ENGINEERING AND CONSULTING INC  
**Addressee:** MAINE DEPARTMENT OF TRANSPORTATION  
**Doc Type:** WORK PLAN

**Doc Date:** 06/23/2005    **# of Pages:** 148  
**File Break:** 03.07

## 452650 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - JULY 15, 2005

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 07/15/2005    **# of Pages:** 10  
**File Break:** 03.07

## 452651 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - OCTOBER 15, 2005

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 10/15/2005    **# of Pages:** 11  
**File Break:** 03.07

## 452652 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - JANUARY 15, 2006

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 01/15/2006    **# of Pages:** 11  
**File Break:** 03.07

## 452666 DRAFT PHASE 1A REMEDIAL INVESTIGATION (RI) REPORT

**Author:** MACTEC ENGINEERING AND CONSULTING INC  
**Addressee:** MAINE DEPARTMENT OF TRANSPORTATION  
**Doc Type:** REMEDIAL INVESTIGATION (RI)

**Doc Date:** 04/01/2006    **# of Pages:** 1,384  
**File Break:** 03.06

AR Collection: 61131  
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## Phase 03: REMEDIAL INVESTIGATION (RI)

## 452667 FINAL PHASE 1B WORK PLAN

**Author:** MACTEC ENGINEERING AND CONSULTING INC  
**Addressee:** MAINE DEPARTMENT OF TRANSPORTATION  
**Doc Type:** WORK PLAN

**Doc Date:** 04/01/2006    **# of Pages:** 1,206  
**File Break:** 03.06

## 452653 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - APRIL 15, 2006

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 04/15/2006    **# of Pages:** 13  
**File Break:** 03.07

## 452654 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - JULY 15, 2006

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 07/15/2006    **# of Pages:** 18  
**File Break:** 03.07

## 452604 FINAL WORK PLAN FOR THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)

**Author:** MACTEC ENGINEERING AND CONSULTING INC  
**Addressee:** MAINE DEPARTMENT OF TRANSPORTATION  
**Doc Type:** WORK PLAN  
 REPORT

**Doc Date:** 07/28/2006    **# of Pages:** 2,499  
**File Break:** 03.07

## 452655 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - OCTOBER 15, 2006

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 10/15/2006    **# of Pages:** 16  
**File Break:** 03.07

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Phase 03: REMEDIAL INVESTIGATION (RI)

452656 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - JANUARY 15, 2007

Author: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
Addressee: EDWARD HATHAWAY US EPA REGION 1  
Doc Type: REPORT

Doc Date: 01/15/2007 # of Pages: 12  
File Break: 03.07

452657 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - APRIL 15, 2007

Author: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
Addressee: EDWARD HATHAWAY US EPA REGION 1  
Doc Type: REPORT

Doc Date: 04/15/2007 # of Pages: 11  
File Break: 03.07

274665 FINAL PHASE 1B WORK PLAN, VOLUMES 1 TO 3 (TEXT, FIGURES, AND TABLES)

Author: MACTEC ENGINEERING AND CONSULTING INC  
Addressee: MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Doc Type: WORK PLAN

Doc Date: 07/06/2007 # of Pages: 1,207  
File Break: 03.07

452658 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - JULY 15, 2007

Author: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
Addressee: EDWARD HATHAWAY US EPA REGION 1  
Doc Type: REPORT

Doc Date: 07/15/2007 # of Pages: 11  
File Break: 03.07

452668 HYDRODYNAMIC OBSERVATIONS: AUGUST 24 - OCTOBER 29, 2006

Author: WOODS HOLE GROUP  
Addressee: MACTEC ENGINEERING AND CONSULTING INC  
Doc Type: REPORT

Doc Date: 09/01/2007 # of Pages: 37  
File Break: 03.06

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**Phase 03: REMEDIAL INVESTIGATION (RI)**

**452659 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - OCTOBER 15, 2007**

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 10/15/2007 **# of Pages:** 19  
**File Break:** 03.07

**452669 HYDRODYNAMIC CHARACTERIZATION AND SEDIMENT TRANSPORT POTENTIAL**

**Author:** WOODS HOLE GROUP  
**Addressee:** MACTEC ENGINEERING AND CONSULTING INC  
**Doc Type:** REPORT

**Doc Date:** 01/01/2008 **# of Pages:** 64  
**File Break:** 03.06

**452660 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - JANUARY 15, 2008**

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 01/15/2008 **# of Pages:** 10  
**File Break:** 03.07

**452661 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - APRIL 15, 2008**

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 04/15/2008 **# of Pages:** 9  
**File Break:** 03.07

**452645 HEALTH CONSULTATION: LEAD IN CLAMS DATA REVIEW**

**Author:** US DEPT OF HEALTH AND HUMAN SERVICES  
**Addressee:**  
**Doc Type:** REPORT  
 HEALTH/RISK ASSESSMENT

**Doc Date:** 06/19/2008 **# of Pages:** 10  
**File Break:** 03.09

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## Phase 03: REMEDIAL INVESTIGATION (RI)

## 452646 HEALTH CONSULTATION: CALLAHAN MINE SUPERFUND SITE

**Author:** US DEPT OF HEALTH AND HUMAN SERVICES  
**Addressee:**  
**Doc Type:** REPORT  
 HEALTH/RISK ASSESSMENT

**Doc Date:** 06/30/2008    **# of Pages:** 27  
**File Break:** 03.09

## 452662 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - JULY 15, 2008

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 07/15/2008    **# of Pages:** 9  
**File Break:** 03.07

## 452644 TECHNICAL ASSISTANCE REPORT: REVIEW OF LETTER WORK PLAN - CLAM TISSUE EVALUATION

**Author:** US DEPT OF HEALTH AND HUMAN SERVICES  
**Addressee:**  
**Doc Type:** REPORT  
 HEALTH/RISK ASSESSMENT

**Doc Date:** 07/25/2008    **# of Pages:** 7  
**File Break:** 03.09

## 452670 TECHNICAL MEMORANDUM: CLAM TISSUE AND SEDIMENT SAMPLING, BIOACCESSIBILITY STUDY, AND RISK EVALUATION

**Author:** MACTEC ENGINEERING AND CONSULTING INC  
**Addressee:**  
**Doc Type:** REPORT

**Doc Date:** 09/01/2008    **# of Pages:** 113  
**File Break:** 03.06

## 452671 TECHNICAL MEMORANDUM: DERIVATION OF PRELIMINARY REMEDIATION GOALS

**Author:** MACTEC ENGINEERING AND CONSULTING INC  
**Addressee:**  
**Doc Type:** REPORT

**Doc Date:** 09/12/2008    **# of Pages:** 42  
**File Break:** 03.06

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Phase 03: REMEDIAL INVESTIGATION (RI)

452672 WETLAND DELINEATION AND FUNCTIONAL ASSESSMENT REPORT

Author: MACTEC ENGINEERING AND CONSULTING INC  
Addressee: MAINE DEPARTMENT OF TRANSPORTATION  
Doc Type: REPORT

Doc Date: 10/01/2008 # of Pages: 51  
File Break: 03.06

452663 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - OCTOBER 15, 2008

Author: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
Addressee: EDWARD HATHAWAY US EPA REGION 1  
Doc Type: REPORT

Doc Date: 10/15/2008 # of Pages: 10  
File Break: 03.07

452643 HEALTH CONSULTATION: REVIEW OF LEAD LEVELS IN CLAM TISSUE

Author: US DEPT OF HEALTH AND HUMAN SERVICES  
Addressee:  
Doc Type: REPORT  
HEALTH/RISK ASSESSMENT

Doc Date: 10/24/2008 # of Pages: 10  
File Break: 03.09

452615 GEOTECHNICAL EVALUATION REPORT

Author: MACTEC ENGINEERING AND CONSULTING INC  
Addressee:  
Doc Type: REPORT

Doc Date: 01/01/2009 # of Pages: 807  
File Break: 03.06

452664 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - JANUARY 15, 2009

Author: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
Addressee: EDWARD HATHAWAY US EPA REGION 1  
Doc Type: REPORT

Doc Date: 01/15/2009 # of Pages: 9  
File Break: 03.07

AR Collection: 61131  
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## Phase 03: REMEDIAL INVESTIGATION (RI)

## 448640 FINAL REMEDIAL INVESTIGATION (RI) REPORT: EXECUTIVE SUMMARY

**Author:** MACTEC  
**Addressee:** US EPA REGION 1  
**Doc Type:** REPORT  
 REMEDIAL INVESTIGATION (RI)

**Doc Date:** 04/01/2009    **# of Pages:** 54  
**File Break:** 03.06

## 448641 FINAL REMEDIAL INVESTIGATION REPORT, CALLAHAN MINE SUPERFUND SITE

**Author:** MACTEC  
**Addressee:** US EPA REGION 1  
**Doc Type:** REMEDIAL INVESTIGATION (RI)  
 REPORT

**Doc Date:** 04/01/2009    **# of Pages:** 3,685  
**File Break:** 03.06

## 448642 HUMAN HEALTH RISK ASSESSMENT, CALLAHAN MINE SUPERFUND SITE

**Author:** MACTEC  
**Addressee:** US EPA REGION 1  
**Doc Type:** REPORT  
 HEALTH/RISK ASSESSMENT

**Doc Date:** 04/01/2009    **# of Pages:** 1,163  
**File Break:** 03.10

## 448643 BASELINE ECOLOGICAL RISK ASSESSMENT, CALLAHAN MINE SUPERFUND SITE

**Author:** MACTEC  
**Addressee:** US EPA REGION 1  
**Doc Type:** REPORT  
 HEALTH/RISK ASSESSMENT

**Doc Date:** 04/01/2009    **# of Pages:** 2,131  
**File Break:** 03.10

## 452665 MAINE DEPARTMENT OF TRANSPORTATION QUARTERLY PROGRESS REPORT - APRIL 15, 2009

**Author:** DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
**Addressee:** EDWARD HATHAWAY US EPA REGION 1  
**Doc Type:** REPORT

**Doc Date:** 04/15/2009    **# of Pages:** 8  
**File Break:** 03.07

AR Collection: 61131  
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**Phase 03: REMEDIAL INVESTIGATION (RI)**

452692 MEMORANDUM REGARDING ECOLOGICAL RISK ASSESSMENT BENTHIC COMMUNITY ASSESSMENT [ATTACHMENTS: REVIEWS OF BENTHIC COMMUNITY STUDY PERFORMED IN SUPPORT OF THE BASELINE ECOLOGICAL RISK ASSESSMENT DATED JUNE 29, 2009 AND EPA MEMORANDUM DATED DECEMBER 19, 2008]

Author: EDWARD HATHAWAY US EPA REGION 1

Doc Date: 06/29/2009 # of Pages: 33

Addressee:

File Break: 03.01

Doc Type: MEMO

452695 REMEDIAL INVESTIGATION (RI) REPORT, HUMAN HEALTH RISK ASSESSMENT, AND BASELINE ECOLOGICAL RISK ASSESSMENT APPROVAL LETTER

Author: MARY JANE O'DONNELL US EPA REGION 1

Doc Date: 06/29/2009 # of Pages: 1

Addressee: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION

File Break: 03.06

Doc Type: LETTER

**Phase 04: FEASIBILITY STUDY (FS)**

452691 COMMENTS REGARDING REMEDIAL INVESTIGATION/FEASIBILITY (RI/FS) DRAFT WORK PLAN

Author: EDWARD HATHAWAY US EPA REGION 1

Doc Date: 08/08/2005 # of Pages: 1

Addressee: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION

File Break: 04.06

Doc Type: LETTER

04.07

452690 COMMENTS REGARDING REMEDIAL INVESTIGATION/FEASIBILITY (RI/FS) STUDY SCHEDULE CHANGE

Author: MARY JANE O'DONNELL US EPA REGION 1

Doc Date: 10/10/2006 # of Pages: 2

Addressee: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION

File Break: 04.06

Doc Type: LETTER

452689 COMMENTS REGARDING REMEDIAL INVESTIGATION/FEASIBILITY (RI/FS) DRAFT PHASE 1B WORK PLAN

Author: EDWARD HATHAWAY US EPA REGION 1

Doc Date: 06/22/2007 # of Pages: 2

Addressee: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION

File Break: 04.06

Doc Type: LETTER

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**Phase 04: FEASIBILITY STUDY (FS)****452688 COMMENTS REGARDING REMEDIAL INVESTIGATION/FEASIBILITY (RI/FS) STUDY SCHEDULE CHANGE**

Author: MARY JANE O'DONNELL US EPA REGION 1

Doc Date: 08/15/2008 # of Pages: 2

Addressee: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION

File Break: 04.06

Doc Type: LETTER

**452685 COMMENTS REGARDING REMEDIAL INVESTIGATION/FEASIBILITY (RI/FS) STUDY SCHEDULE CHANGE AND CREATION OF OPERABLE UNITS**

Author: MARY JANE O'DONNELL US EPA REGION 1

Doc Date: 02/25/2009 # of Pages: 2

Addressee: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION

File Break: 04.06

Doc Type: LETTER

**452687 COMMENTS REGARDING REMEDIAL INVESTIGATION/FEASIBILITY (RI/FS) FEASIBILITY STUDY SCHEDULE**

Author: MARY JANE O'DONNELL US EPA REGION 1

Doc Date: 04/16/2009 # of Pages: 2

Addressee: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION

File Break: 04.06

Doc Type: LETTER

**452686 COMMENTS REGARDING REMEDIAL INVESTIGATION/FEASIBILITY (RI/FS) FEASIBILITY STUDY**

Author: MARY JANE O'DONNELL US EPA REGION 1

Doc Date: 06/02/2009 # of Pages: 1

Addressee: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION

File Break: 04.06

Doc Type: LETTER

**452616 MEMORANDUM REGARDING TIER 1 SEDIMENT CONSIDERATIONS**

Author: EDWARD HATHAWAY US EPA REGION 1

Doc Date: 06/22/2009 # of Pages: 41

Addressee: STEPHEN ELLS US EPA REGION 1

File Break: 04.09

Doc Type: MEMO

AR Collection: 61131  
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Phase 04: FEASIBILITY STUDY (FS)

452696 FEASIBILITY STUDY (FS) REPORT APPROVAL LETTER

Author: MARY JANE O'DONNELL US EPA REGION 1  
Addressee: DWIGHT DOUGHTY MAINE DEPARTMENT OF TRANSPORTATION  
Doc Type: LETTER

Doc Date: 06/29/2009 # of Pages: 2  
File Break: 04.06

452677 PROPOSED PLAN

Author: US EPA REGION 1  
Addressee:  
Doc Type: PROPOSED PLAN  
FACT SHEET

Doc Date: 07/01/2009 # of Pages: 20  
File Break: 04.09

452698 FINAL FEASIBILITY STUDY (FS) REPORT (7/2/2009 TRANSMITTAL ATTACHED)

Author: PETER S BAKER MACTEC ENGINEERING AND CONSULTING INC  
Addressee: STANLEY W REED MACTEC ENGINEERING AND CONSULTING INC  
ME DEPT OF TRANSPORTATION  
Doc Type: REPORT  
FEASIBILITY STUDY (FS)

Doc Date: 07/01/2009 # of Pages: 611  
File Break: 04.06

Phase 06: REMEDIAL DESIGN (RD)

452137 REUSE ASSESSMENT REPORT FOR THE CALLAHAN MINE

Author: E2 INC  
Addressee:  
Doc Type: REPORT

Doc Date: 04/01/2009 # of Pages: 19  
File Break: 06.04

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**Phase 10: ENFORCEMENT/NEGOTIATION**

213098 ADMINISTRATIVE ORDER BY CONSENT (AOC) FOR REMEDIAL INVESTIGATION AND FEASIBILITY STUDY (RI/FS) DOCKET No CERCLA-01-2005-0022

Author: DAVID A COLE ME DEPT OF TRANSPORTATION

Doc Date: 06/07/2005 # of Pages: 86

Addressee: DAWN R GALLAGHER ME DEPT OF ENVIRONMENTAL PROTECTION

File Break: 10.07

DENNIS J HARNISH ME STATE OF

MAN CHAK NG US EPA REGION 1

MARY M SAUER ME STATE OF

ROBERT W VARNEY US EPA REGION 1

Doc Type: ENFORCEMENT SETTLEMENT

**Phase 11: POTENTIALLY RESPONSIBLE PARTY**

209843 NOTICE OF POTENTIAL LIABILITY - STATE OF MAINE

Author: SUSAN STUDLIEN US EPA REGION 1 - OFFICE OF SITE REMEDIATION & RESTORATION

Doc Date: 05/14/2004 # of Pages: 10

Addressee: DENNIS J HARNISH ME STATE OF

File Break: 11.09

Doc Type: LETTER  
NOTICE LETTER

209844 NOTICE OF POTENTIAL LIABILITY - CALLAHAN MINING CORP / COEUR D'ALENE MINES CORP

Author: SUSAN STUDLIEN US EPA REGION 1 - OFFICE OF SITE REMEDIATION & RESTORATION

Doc Date: 05/14/2004 # of Pages: 10

Addressee: WILLIAM F BOYD CALLAHAN MINING CORPORATION

File Break: 11.09

CALLAHAN MINING CORPORATION

COEUR D' ALENE MINES INC

Doc Type: LETTER  
NOTICE LETTER

AR Collection: 61131  
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**Phase 11: POTENTIALLY RESPONSIBLE PARTY****209845 NOTICE OF POTENTIAL LIABILITY - SMITH COVE PRESERVATION TRUST**

Author: SUSAN STUDLIEN US EPA REGION 1 - OFFICE OF SITE REMEDIATION &amp; RESTORATION

Doc Date: 05/14/2004

# of Pages: 10

Addressee: DOUGLAS F SCHLEICHER KLEHR HARRISON HARVEY BRANZBURG & ELLERS, LLP  
SMITH COVE PRESERVATION TRUST

File Break: 11.09

Doc Type: LETTER  
NOTICE LETTER**Phase 13: COMMUNITY RELATIONS****44322 CALLAHAN MINE PUBLIC INFORMATION MEETING HANDOUT (JUNE 11, 2002)**

Author: US EPA REGION 1

Doc Date: 06/11/2002

# of Pages: 5

Addressee:

File Break: 13.05

Doc Type: FACT SHEET

**250392 CALLAHAN MINE PUBLIC INFORMATION MEETING HANDOUT (JUNE 6, 2002)**

Author: LESLIE MCVICKAR US EPA REGION 1

Doc Date: 06/11/2002

# of Pages: 3

Addressee:

File Break: 13.04

Doc Type: PUBLIC MEETING RECORD

**448699 PRESENTATION: INVESTIGATING CONTAMINATION AT THE CALLAHAN MINING CORP SUPERFUND SITE [WITH LETTER OF TRANSMITTAL]**

Author: LESLIE MCVICKAR US EPA REGION 1

Doc Date: 03/05/2003

# of Pages: 40

Addressee: DALE WEISS TRC ENVIRONMENTAL CORP

File Break: 13.04

Doc Type: PUBLIC MEETING RECORD

**212568 FACT SHEET: COMMUNITY UPDATE (APRIL 2005)**

Author: US EPA REGION 1

Doc Date: 04/01/2005

# of Pages: 2

Addressee:

File Break: 13.05

Doc Type: FACT SHEET

AR Collection: 61131  
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## Phase 13: COMMUNITY RELATIONS

## 213132 FACT SHEET: COMMUNITY UPDATE (JULY 2005)

Author: US EPA REGION 1  
Addressee:  
Doc Type: FACT SHEET

Doc Date: 07/01/2005 # of Pages: 2  
File Break: 13.05

## 253807 FACT SHEET: COMMUNITY UPDATE (JUNE 2006)

Author: US EPA REGION 1  
Addressee:  
Doc Type: FACT SHEET

Doc Date: 06/01/2006 # of Pages: 8  
File Break: 13.05

## 452675 SITE UPDATE PRESENTATION (JULY 2006)

Author: US EPA REGION 1  
Addressee:  
Doc Type: PUBLIC MEETING RECORD

Doc Date: 07/06/2006 # of Pages: 24  
File Break: 13.04

## 291376 FACT SHEET: COMMUNITY UPDATE (AUGUST 2007)

Author: US EPA REGION 1  
Addressee:  
Doc Type: FACT SHEET

Doc Date: 08/01/2007 # of Pages: 4  
File Break: 13.05

## 452676 SITE UPDATE PRESENTATION (AUGUST 2007)

Author: US EPA REGION 1  
Addressee:  
Doc Type: PUBLIC MEETING RECORD

Doc Date: 08/14/2007 # of Pages: 39  
File Break: 13.04

AR Collection: 61131  
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## Phase 13: COMMUNITY RELATIONS

## 452674 SITE UPDATE PRESENTATION (JULY 2008)

Author: US EPA REGION 1

Doc Date: 07/16/2008 # of Pages: 48

Addressee:

File Break: 13.04

Doc Type: PUBLIC MEETING RECORD

## 448656 FACT SHEET: COMMUNITY UPDATE (APRIL 2009)

Author: US EPA REGION 1

Doc Date: 04/01/2009 # of Pages: 6

Addressee:

File Break: 13.05

Doc Type: FACT SHEET

## 452678 PUBLIC MEETING POSTER: COPPER CONCENTRATIONS IN SEDIMENT ALONG THE NEW ENGLAND COAST

Author: US EPA REGION 1

Doc Date: 04/01/2009 # of Pages: 1

Addressee:

File Break: 13.04

Doc Type: SAMPLING DATA

## 452679 PUBLIC MEETING POSTER: COPPER DATA IN SEDIMENT

Author: US EPA REGION 1

Doc Date: 04/01/2009 # of Pages: 1

Addressee:

File Break: 13.04

Doc Type: SAMPLING DATA

## 452680 PUBLIC MEETING POSTER: ZINC DATA IN SEDIMENT

Author: US EPA REGION 1

Doc Date: 04/01/2009 # of Pages: 1

Addressee:

File Break: 13.04

Doc Type: SAMPLING DATA

## Phase 13: COMMUNITY RELATIONS

## 452681 PUBLIC MEETING POSTER: LEAD DATA IN SEDIMENT

Author: US EPA REGION 1  
Addressee:  
Doc Type: SAMPLING DATA

Doc Date: 04/01/2009 # of Pages: 1  
File Break: 13.04

## 452682 PUBLIC MEETING POSTER: CHEMICAL CONCENTRATIONS IN SEDIMENT ALONG THE NEW ENGLAND COAST

Author: US EPA REGION 1  
Addressee:  
Doc Type: SAMPLING DATA

Doc Date: 04/01/2009 # of Pages: 1  
File Break: 13.04

## 452683 PUBLIC MEETING POSTER: ZINC CONCENTRATIONS IN SEDIMENT ALONG THE NEW ENGLAND COAST

Author: US EPA REGION 1  
Addressee:  
Doc Type: SAMPLING DATA

Doc Date: 04/01/2009 # of Pages: 1  
File Break: 13.04

## 452684 PUBLIC MEETING POSTER: LEAD CONCENTRATIONS IN SEDIMENT ALONG THE NEW ENGLAND COAST

Author: US EPA REGION 1  
Addressee:  
Doc Type: SAMPLING DATA

Doc Date: 04/01/2009 # of Pages: 1  
File Break: 13.04

## 452136 PUBLIC INFORMATION MEETING PRESENTATION (APRIL 2009)

Author: EDWARD HATHAWAY US EPA REGION 1  
Addressee:  
Doc Type: PUBLIC MEETING RECORD

Doc Date: 04/28/2009 # of Pages: 28  
File Break: 13.04

CALLAHAN MINING CORP

AR Collection: 61131  
ROD PROPOSED PLAN

AR Collection Index Report

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Phase 13: COMMUNITY RELATIONS

452603 CALLAHAN MINE PUBLIC INFORMATION MEETING HANDOUT (JUNE 9, 2009)

Author:  
Addressee:  
Doc Type: PUBLIC MEETING RECORD

Doc Date: 06/09/2009 # of Pages: 22  
File Break: 13.04

452697 PUBLIC INFORMATION MEETING FOR PROPOSED CLEANUP PLAN

Author: US EPA REGION 1  
Addressee:  
Doc Type: PUBLIC MEETING RECORD

Doc Date: 07/09/2009 # of Pages: 45  
File Break: 13.04

Phase 16: NATURAL RESOURCE TRUSTEE

452693 TRUSTEE NOTIFICATION LETTER - NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

Author: MARY JANE O'DONNELL US EPA REGION 1  
Addressee: KENNETH FINKELSTEIN US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
Doc Type: LETTER

Doc Date: 07/01/2009 # of Pages: 1  
File Break: 16.01

452694 TRUSTEE NOTIFICATION LETTER - UNITED STATES DEPARTMENT OF THE INTERIOR (DOI)

Author: MARY JANE O'DONNELL US EPA REGION 1  
Addressee: ANDREW RADDANT US DEPT OF INTERIOR  
Doc Type: LETTER

Doc Date: 07/01/2009 # of Pages: 1  
File Break: 16.01

Number of Documents in Administrative Record: 86

### Selected Key Guidance Documents

EPA Guidance Documents may be reviewed at the OSRR Records and Information Center in Boston, MA

DOCNUMBER	DOCDATE	TITLE	OSWEREPAID
2018	01-Nov-89	FEASIBILITY STUDY - DEVELOPMENT AND SCREENING OF REMEDIAL ACTION ALTERNATIVES [QUICK REFERENCE FACT SHEET]	OSWER 9355.3-01FS3
2019	01-Mar-90	FEASIBILITY STUDY: DETAILED ANALYSIS OF REMEDIAL ACTION ALTERNATIVES [QUICK REFERENCE FACT SHEET]	OSWER 9355.3-01FS4
3002	08-Aug-88	CERCLA COMPLIANCE WITH OTHER LAWS MANUAL (DRAFT)	OSWER 9234.1-01
3009	01-Dec-89	CERCLA COMPLIANCE WITH OTHER LAWS MANUAL - CERCLA COMPLIANCE WITH STATE REQUIREMENTS [QUICK REFERENCE FACT SHEET]	OSWER 9234.2-05FS
3013	01-Aug-89	CERCLA COMPLIANCE WITH OTHER LAWS MANUAL PART II: CLEAN AIR ACT AND OTHER ENVIRONMENTAL STATUTES AND STATE REQUIREMENTS	OSWER 9234.1-02
C058	17-Apr-89	POLICY FOR SUPERFUND COMPLIANCE WITH THE RCRA LAND DISPOSAL RESTRICTIONS	OSWER 9347.1-02
C124	01-Jul-89	SUPERFUND LDR GUIDE #1. OVERVIEW OF RCRA LAND DISPOSAL RESTRICTIONS (LDRS). DUPLICATE OF 2214.	OSWER 9347.3-01FS
C170	01-Oct-88	INTERIM FINAL GUIDANCE FOR CONDUCTING REMEDIAL INVESTIGATIONS AND FEASIBILITY STUDIES UNDER CERCLA. DUPLICATE OF 2002.	OSWER 9355.3-01
C177	01-Feb-91	CONDUCTING REMEDIAL INVESTIGATIONS/FEASIBILITY STUDIES FOR CERCLA MUNICIPAL LANDFILL SITES.	OSWER 9355.3-11
C214	25-Jun-93	FINAL REVISIONS TO OMB CIRCULAR A-94 ON GUIDELINES AND DISCOUNT RATES FOR BENEFIT-COST ANALYSIS.	OSWER 9355.3-20

C281	01-Sep-92	ARAR'S FACT SHEET: COMPLIANCE WITH CLEAN THE CLEAN AIR ACT AND ASSOCIATED AIR QUALITY REQUIREMENTS	
C361	02-Jun-97	ECOLOGICAL RISK ASSESSMENT GUIDANCE FOR SUPERFUND PROCESS FOR DESIGNING AND CONDUCTING ECOLOGICAL RISK ASSESSMENTS (EPA 540-R-97-006)	
C473	01-Aug-97	RULES OF THUMB FOR SUPERFUND REMEDY SELECTION (EPA 540-R-97-013)	OSWER 9355.0-69
C525	01-Jul-99	GUIDE TO PREPARING SUPERFUND PROPOSED PLANS RECORDS OF DECISION AND OTHER REMEDY SELECTION DECISION DOCUMENTS	OSWER 9200.1-23P
C526	01-Aug-00	ABANDONED MINE SITE CHARACTERIAZTION & CLEANUP HANDBOOK (available on cd-rom)	PB2002-107421
C539	01-Jun-03	COMPREHENSIVE FIVE-YEAR REVIEW GUIDANCE	OSWER 9355.7-03B-P
C568	01-Nov-03	ECOLOGICAL SOIL SCREENING LEVEL FOR ALUMINUM, INTERIM FINAL	OSWER 9285.7-60
C582	01-Jul-00	A GUIDE TO DEVELOPING AND DOCUMENTING COST ESTIMATES DURING THE FEASIBILITY STUDY	OSWER 9355.0-75
C583	01-Jan-94	METHODS FOR MEASURING THE MEASURING THE TOXICITY AND BIOACCUMULATION OF SEDIMENT-ASSOCIATED CONTAMINANTS WITH FRESHWATER INVERTEBRATES	
C584	01-Dec-96	REGION I, EPA-NE DATA VALIDATION FUNCTIONAL GUIDELINES FOR EVALUATING ENVIRONMENTAL ANALYSES	
C594	01-Oct-02	PRELIMINARY REMEDIATION GOALS TABLE	
C596	01-Dec-02	CALCULATING UPPER CONFIDENCE LIMITS FOR EXPOSURE POINT CONCENTRATIONS AT HAZARDOUS WASTE SITES	
C597	27-Dec-02	NATIONAL RECOMMENDED WATER QUALITY CRITERIA	

C617	01-Jan-99	DRAFT EQUILIBRIUM-PARTITIONING SEDIMENT GUIDELINES (ESGS) FOR THE PROTECTION OF BENTHIC ORGANISMS: METAL MIXTURES (CADMIUM, COPPER, LEAD, NICKEL, SILVER AND ZINC)	
C620	01-Oct-04	EPA REGION 9 PRELIMINARY REMEDIATION GOALS TABLE	
C622	01-Nov-91	A GUIDE TO PRINCIPLE THREAT AND LOW LEVEL THREAT WASTES	9380.3-06FS
C627	01-Jun-01	ECO UPDATE: THE ROLE OF SCREENING-LEVEL RISK ASSESSMENTS AND REFINING CONTAMINANTS OF CONCERN IN BASELINE RISK ASSESSMENTS	EPA 540/F-01/014
C629	01-Dec-05	CONTAMINATED SEDIMENT REMEDIATION GUIDANCE FOR HAZARDOUS WASTE SITES	EPA-540-R-05-012
C630	01-Feb-05	GUIDANCE FOR DEVELOPING ECOLOGICAL SOIL SCREENING LEVELS	OSWER 9285.7.5-55
C663	01-Sep-96	ROLE OF COST IN THE SUPERFUND REMEDY SELECTION PROCESS	EPA-540/F-96/018
C671	01-Jan-05	PROCEDURES FOR THE DERIVATION OF EQUILIBRIUM PARTITIONING SEDIMENT BENCHMARKS FOR THE PROTECTION OF BENTHIC ORGANISMS	EPA-600-R-02-011
C672	01-Jul-07	ECOLOGICAL SOIL SCREENING LEVELS FOR SELENIUM, INTERIM FINAL	OSWER 9285.7-72
C673	01-Jul-07	ECOLOGICAL SOIL SCREENING LEVELS FOR ZINC, INTERIM FINAL	OSWER 9285.7-73
C674	01-Apr-07	ECOLOGICAL SOIL SCREENING LEVELS FOR MANGANESE, INTERIM FINAL	OSWER 9285.7-71
C675	01-Feb-07	ECOLOGICAL SOIL SCREENING LEVELS FOR COPPER, INTERIM FINAL	OSWER 9285.7-68
C676	01-Mar-07	ECOLOGICAL SOIL SCREENING LEVELS FOR NICKEL, INTERIM FINAL	OSWER 9285.7-76
C677	01-Sep-06	ECOLOGICAL SOIL SCREENING LEVELS FOR SILVER, INTERIM FINAL	OSWER 9285.7-77

C678	01-Apr-55	ECOLOGICAL SOIL SCREENING LEVELS FOR VANADIUM, INTERIM FINAL	OSWER 9285.7-75
C679	01-Mar-05	ECOLOGICAL SOIL SCREENING LEVELS FOR ARSENIC, INTERIM FINAL	OSWER 9285.7-62
C680	01-Mar-05	ECOLOGICAL SOIL SCREENING LEVELS FOR CADMIUM, INTERIM FINAL	OSWER 9285.7-65
C681	01-Mar-05	ECOLOGICAL SOIL SCREENING LEVELS FOR CHROMIUM, INTERIM FINAL	OSWER 9285.7- 66
C682	01-Mar-05	ECOLOGICAL SOIL SCREENING LEVELS FOR COBALT, INTERIM FINAL	OSWER 9285.7-67
C683	01-Mar-05	ECOLOGICAL SOIL SCREENING LEVELS FOR LEAD, INTERIM FINAL	OSWER 9285.7-70
C684	01-Feb-05	ECOLOGICAL SOIL SCREENING LEVELS FOR ANTIMONY, INTERIM FINAL	OSWER 9285.7-61
C685	01-Feb-05	ECOLOGICAL SOIL SCREENING LEVELS FOR BARIUM, INTERIM FINAL	OSWER 9285.7- 63
C686	01-Feb-05	ECOLOGICAL SOIL SCREENING LEVELS FOR BERYLLIUM, INTERIM FINAL	OSWER 9285.7- 64
C687	01-Feb-05	GUIDANCE FOR DEVELOPING ECOLOGICAL SOIL SCREENING LEVELS	OSWER 9285.7-55
C688	01-Jan-06	NATIONAL RECOMMENDED WATER QUALITY CRITERIA	
C689	12-Feb-02	RESPONSE TO REGIONAL REQUEST REGARDING SEDIMENT CLEANUP AT MAY 2008 SUPERFUND DIVISION DIRECTORS MEETING	9285.6-08, 9200.1-90
C690	01-Aug-94	FEASIBILITY STUDY ANALYSIS FOR CERCLA MUNICIPAL LANDFILL SITES	9356.0-03
C691	01-Aug-97	CLARIFICATION OF THE ROLE OF APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS IN ESTABLISHING PRELIMINARY REMEDIATION GOALS UNDER CERCLA	OSWER 9200.4-23
C692	19-Feb-92	PERMITS AND PERMIT EQUIVALENCY PROCESSES FOR CERCLA ON-SITE RESPONSE ACTIONS	OSER 9355.7-03

C693	01-Jul-91	ARARS Q'S & A'S: GENERAL POLICY, RCRA, CWA, SDWA, POST-ROD INFORMATION AND CONTINGENT WAIVERS	9234.2-01/FS-A
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