

Superfund Records Center
SITE: Saco Municipal
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Introduction to the Collection

This is the Administrative Record file for the remedial action at the Saco Municipal Landfill Superfund Site, ROD signed September 29, 2000. 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 file is presented in two media: this compact disc and related documents, identified in the index TITLE, which are available through the EPA New England Superfund Records Center.

This file includes, by reference, the administrative record file for the Saco Municipal Landfill Removal Action, July 31, 1996.

The Administrative Record is available for public review at:

EPA New England Superfund Records Center
1 Congress Street,
Boston, MA 02114
Tel. 617-918-1440

Dyer Library
371 Main Street
Saco, ME 04072
Tel. 207-283-3861

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

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).

SACO MUNICIPAL LANDFILL
ADMINISTRATIVE RECORD FILE
RECORD OF DECISION 9/29/2000

2. REMOVAL RESPONSE

1. LETTER: ACKNOWLEDGEMENT THAT CITY OF SACO HAS MET DEADLINE FOR COMPLETION OF CONSTRUCTION ACTIVITY.

TO: GUY W VAILLANCOURT, WOODARD & CURRAN INC
AUTHOR: MARY JANE O'DONNELL, US EPA REGION 1
DOC ID: 5239 01/06/1999 2 PAGES

2. LETTER: STATUS OF REMOVAL ACTION REPORT, POST REMOVAL SITE CONTROL PLAN & LONG TERM MONITORING PLAN.

TO: EDWARD M HATHAWAY, US EPA REGION 1
AUTHOR: WILKES B HARPER, ME DEPT OF ENVIRONMENTAL PROTECTION
DOC ID: 6672 01/14/1999 2 PAGES

3. REPORT: COMPLETION OF REMOVAL ACTION REPORT, VOLUME 1.

AUTHOR: WOODARD & CURRAN INC
DOC ID: 5263 04/01/1999 59 PAGES

4. REPORT: SEMI-ANNUAL INSPECTION REPORT, FALL 1999.

TO: EDWARD M HATHAWAY, US EPA REGION 1
AUTHOR: BRIAN J OMARA, TRC COMPANIES INC
GREGORY A MISCHEL, TRC COMPANIES INC
DOC ID: 6673 12/20/1999 12 PAGES

5. LETTER: NOTICE THAT THE DEMONSTRATION OF COMPLIANCE AND COMPLETION OF REMOVAL ACTION REPORT, POST REMOVAL SITE CONTROL (PRSC) PLAN AND INSTITUTIONAL CONTROL DOCUMENTS REQUIRED AS PART OF THE NON-TIME CRITICAL REMOVAL ACTION (NTCRA) ARE APPROVED.

TO: GUY W VAILLANCOURT, WOODARD & CURRAN INC
AUTHOR: MARY JANE O'DONNELL, US EPA REGION 1
DOC ID: 6853 07/06/2000 2 PAGES

3. REMEDIAL INVESTIGATION (RI)

1. REPORT: NATURAL REMEDIATION OF ARSENIC-CONTAMINATED GROUNDWATER: SOLUTE-TRANSPORT MODEL PREDICTIONS.

AUTHOR: JOHN A COLMAN, US DOI/US GEOLOGICAL SURVEY
KENNETH G STOLLENWERK, US DOI/US GEOLOGICAL SURVEY
DOC ID: 6692 11 PAGES

2. REPORT: SOURCES & GEOCHEMICAL ASSOCIATIONS OF ARSENIC IN LEACHATE PLUMES FROM A LANDFILL IN SACO, MAINE.

AUTHOR: FOREST P LYFORD, US DOI/US GEOLOGICAL SURVEY

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JOHN A COLMAN, US DOI/US GEOLOGICAL SURVEY
DOC ID: 6691 1 PAGE

3. SAMPLING & ANALYSIS DATA: APPENDIX E, LABORATORY DATA, REMEDIAL INVESTIGATION REPORT, SECTION E-7, 04/1997, ANALYTICAL DATA [AVAILABLE FOR REVIEW THROUGH EPA NEW ENGLAND SUPERFUND RECORDS CENTER].
TO: BETH WALTER, WOODARD & CURRAN INC
AUTHOR: DEBORAH J NADEAU, KATAHDIN ANALYTICAL SERVICES
DOC ID: 6686 04/10/1997
4. REPORT: REMEDIAL INVESTIGATION REPORT, APPENDIX G, TECHNICAL MEMORANDUM ADDENDUM FOR AREA 2.
TO: WILKES B HARPER, ME DEPT OF ENVIRONMENTAL PROTECTION
AUTHOR: WILLIAM R FISHER, WOODARD & CURRAN INC
DOC ID: 6689 06/17/1997 42 PAGES
5. REPORT: REMEDIAL INVESTIGATION REPORT, APPENDIX C, DATA VALIDATION SUMMARY.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6678 07/15/1997 88 PAGES
6. REPORT: REMEDIAL INVESTIGATION REPORT, APPENDIX D, CONTAMINANT FATE & TRANSPORT.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6679 07/17/1997 14 PAGES
7. REPORT: REMEDIAL INVESTIGATION, APPENDIX F, HUMAN HEALTH RISK ASSESSMENT.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 5293 03/01/1998 166 PAGES
8. LETTER: REQUEST THAT ADDITIONAL DATA BE COLLECTED TO SUBSTANTIATE CONCENTRATION OF ARSENIC IN SEDIMENTS OF SANDY BROOK.
TO: GUY W VAILLANCOURT, WOODARD & CURRAN INC
AUTHOR: EDWARD M HATHAWAY, US EPA REGION 1
DOC ID: 5269 05/29/1998 2 PAGES
9. REPORT: PHASE 1A REMEDIAL INVESTIGATION REPORT, FINAL.
AUTHOR: KARL D KASPER, WOODARD & CURRAN INC
DOC ID: 6675 10/01/1998 220 PAGES
10. REPORT: REMEDIAL INVESTIGATION REPORT, APPENDIX E, LABORATORY DATA, SECTION E-4, SPRING 1996 ANALYTICAL DATA [AVAILABLE FOR REVIEW THROUGH EPA NEW ENGLAND SUPERFUND RECORDS CENTER].

SACO MUNICIPAL LANDFILL
ADMINISTRATIVE RECORD FILE
RECORD OF DECISION 9/29/2000

AUTHOR: KARL D KASPER, WOODARD & CURRAN INC
DOC ID: 6684 10/01/1998

11. SAMPLING & ANALYSIS DATA: PHASE 1A REMEDIAL INVESTIGATION DATA PACKAGE.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 5273 10/01/1998 141 PAGES

12. SAMPLING & ANALYSIS DATA: REMEDIAL INVESTIGATION REPORT, APPENDIX A, TEST
PIT LOGS.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6676 10/01/1998 7 PAGES

13. SAMPLING & ANALYSIS DATA: REMEDIAL INVESTIGATION REPORT, APPENDIX B,
MONITORING WELL & GEOPHYSICAL LOGS, USGS DOWN-HOLE LOGGING
RECORDS.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6677 10/01/1998 114 PAGES

14. SAMPLING & ANALYSIS DATA: REMEDIAL INVESTIGATION REPORT, APPENDIX E,
LABORATORY DATA, SECTION E-1, WELL POINT ANALYTICAL DATA
[AVAILABLE FOR REVIEW THROUGH EPA NEW ENGLAND SUPERFUND RECORDS
CENTER].
TO: KARL D KASPER, WOODARD & CURRAN INC
AUTHOR: DEBORAH J NADEAU, KATAHDIN ANALYTICAL SERVICES
DOC ID: 6680 10/01/1998

15. SAMPLING & ANALYSIS DATA: REMEDIAL INVESTIGATION REPORT, APPENDIX E,
LABORATORY DATA, SECTION E-2, RESIDENTIAL ANALYTICAL DATA
[AVAILABLE FOR REVIEW THROUGH EPA NEW ENGLAND SUPERFUND RECORDS
CENTER].
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6681 10/01/1998

16. SAMPLING & ANALYSIS DATA: REMEDIAL INVESTIGATION REPORT, APPENDIX E,
LABORATORY DATA, SECTION E-3, FALL 1995 - WINTER 1996 ANALYTICAL
DATA [AVAILABLE FOR REVIEW THROUGH EPA NEW ENGLAND SUPERFUND
RECORDS CENTER].
AUTHOR: KATAHDIN ANALYTICAL SERVICES
DOC ID: 6682 10/01/1998

17. SAMPLING & ANALYSIS DATA: REMEDIAL INVESTIGATION REPORT, APPENDIX E,
LABORATORY DATA, SECTION E-5, SUMMER 1996 ANALYTICAL DATA
[AVAILABLE FOR REVIEW THROUGH EPA NEW ENGLAND SUPERFUND RECORDS
CENTER].

SACO MUNICIPAL LANDFILL
ADMINISTRATIVE RECORD FILE
RECORD OF DECISION 9/29/2000

AUTHOR: KATAHDIN ANALYTICAL SERVICES
DOC ID: 6683 10/01/1998

18. SAMPLING & ANALYSIS DATA: REMEDIAL INVESTIGATION REPORT, APPENDIX E,
LABORATORY DATA, SECTION E-6, FALL 1996 ANALYTICAL DATA
[AVAILABLE FOR REVIEW THROUGH EPA NEW ENGLAND SUPERFUND RECORDS
CENTER].

AUTHOR: KATAHDIN ANALYTICAL SERVICES
DOC ID: 6685 10/01/1998

19. SAMPLING & ANALYSIS DATA: REMEDIAL INVESTIGATION REPORT, APPENDIX E,
LABORATORY DATA, SECTION E-8, LANDFILL GAS ANALYTICAL DATA
[AVAILABLE FOR REVIEW THROUGH EPA NEW ENGLAND SUPERFUND RECORDS
CENTER].

AUTHOR: WOODARD & CURRAN INC
DOC ID: 6687 10/01/1998

20. SAMPLING & ANALYSIS DATA: REMEDIAL INVESTIGATION REPORT, APPENDIX E,
LABORATORY DATA, SECTION E-9, FIELD DATA RECORD [AVAILABLE FOR
REVIEW THROUGH EPA NEW ENGLAND SUPERFUND RECORDS CENTER].

AUTHOR: WOODARD & CURRAN INC
DOC ID: 6688 10/01/1998

21. SAMPLING & ANALYSIS DATA: FALL 1998 WORK PLAN ADDENDUM, FALL 1998
GROUNDWATER SAMPLES.

AUTHOR: WOODARD & CURRAN INC
DOC ID: 5275 01/15/1999 13 PAGES

22. WORK PLAN: POST-REMOVAL SITE CONTROL PLAN.

AUTHOR: WOODARD & CURRAN INC
DOC ID: 5301 03/26/1999 26 PAGES

23. LETTER: SAMPLING & ANALYSIS PROGRAM FOR SPRING 1999 PRE-RECORD OF
DECISION, GROUNDWATER MONITORING EVENT MODIFIED BASED ON COMMENTS
RECEIVED BY US EPA IN A LETTER DATED 05/25/1999.

TO: EDWARD M HATHAWAY, US EPA REGION 1
AUTHOR: GUY W VAILLANCOURT, WOODARD & CURRAN INC
DOC ID: 5287 06/04/1999 9 PAGES

24. SAMPLING & ANALYSIS DATA: RESULTS OF FALL 1999 SAMPLING EVENT.

TO: EDWARD M HATHAWAY, US EPA REGION 1
AUTHOR: KARL D KASPER, WOODARD & CURRAN INC
DOC ID: 5290 01/07/2000 150 PAGES

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25. REPORT: ECOLOGICAL RISK ASSESSMENT, REVISED.

AUTHOR: EXPONENT

WOODARD & CURRAN INC

DOC ID: 6690 02/05/2000 559 PAGES

26. LETTER: NOTICE THAT THE REMEDIAL INVESTIGATION REPORT (INCLUDING THE HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENTS) IS APPROVED.

TO: GUY W VAILLANCOURT, WOODARD & CURRAN INC

AUTHOR: MARY JANE O'DONNELL, US EPA REGION 1

DOC ID: 6854 07/06/2000 2 PAGES

27. SAMPLING & ANALYSIS DATA: SPRING 2000 SAMPLING REPORT.

TO: EDWARD M HATHAWAY, US EPA REGION 1

AUTHOR: TOM ESCHNER, WOODARD & CURRAN INC

DOC ID: 6862 07/27/2000 150 PAGES

4. FEASIBILITY STUDY (FS)

1. COST DOCUMENTATION: FEASIBILITY STUDY REPORT, APPENDIX D, COST BACK-UP INFORMATION.

AUTHOR: WOODARD & CURRAN INC

DOC ID: 6869 07/01/2000 33 PAGES

2. REPORT: FEASIBILITY STUDY REPORT, APPENDIX B-1, HYDROGEOLOGICAL INVESTIGATION REPORT.

AUTHOR: WOODARD & CURRAN INC

DOC ID: 6865 07/01/2000 56 PAGES

3. REPORT: FEASIBILITY STUDY REPORT, APPENDIX B-3, SURFACE WATER MIXING CALCULATIONS.

AUTHOR: WOODARD & CURRAN INC

DOC ID: 6867 07/01/2000 4 PAGES

4. REPORT: FEASIBILITY STUDY REPORT, APPENDIX B-4, MODEL FOR REDUCTION OF ARSENIC CONCENTRATIONS IN GROUNDWATER AND SURFACE WATER.

AUTHOR: WOODARD & CURRAN INC

DOC ID: 6868 07/01/2000 13 PAGES

5. REPORT: FEASIBILITY STUDY REPORT, APPENDIX E, CHEMICAL-SPECIFIC, LOCATION-SPECIFIC, AND ACTION-SPECIFIC ARARS BY ALTERNATIVE.

AUTHOR: WOODARD & CURRAN INC

DOC ID: 6870 07/01/2000 35 PAGES

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6. REPORT: FEASIBILITY STUDY REPORT, FINAL.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6863 07/01/2000 236 PAGES
7. REPORT: FEASIBILITY STUDY, APPENDIX A, USGS GEOLOGIC LOGS.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6864 07/01/2000 4 PAGES
8. SAMPLING & ANALYSIS DATA: FEASIBILITY STUDY REPORT, APPENDIX B-2,
HYDROGEOLOGICAL INVESTIGATION SUPPORTING MATERIALS.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6866 07/01/2000 47 PAGES
9. SAMPLING & ANALYSIS DATA: FEASIBILITY STUDY REPORT, APPENDIX C, USGS
WHOLE-ROCK ANALYSES.
AUTHOR: US DOI/US GEOLOGICAL SURVEY
DOC ID: 6875 07/01/2000 5 PAGES
10. SAMPLING & ANALYSIS DATA: FEASIBILITY STUDY REPORT, APPENDIX F-1, POST-RI
GROUNDWATER SAMPLING RESULTS.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6871 07/01/2000 19 PAGES
11. SAMPLING & ANALYSIS DATA: FEASIBILITY STUDY REPORT, APPENDIX F-2, POST-RI
SURFACE WATER SAMPLING RESULTS.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6872 07/01/2000 7 PAGES
12. SAMPLING & ANALYSIS DATA: FEASIBILITY STUDY REPORT, APPENDIX F-3, POST-RI
SEDIMENT SAMPLING RESULTS.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6876 07/01/2000 9 PAGES
13. REPORT: FEASIBILITY STUDY REPORT, APPENDIX G, DESCRIPTION OF
INSTITUTIONAL CONTROLS.
AUTHOR: WOODARD & CURRAN INC
DOC ID: 6873 07/06/2000 20 PAGES
14. FACT SHEET: EPA PROPOSES LONG-TERM CLEANUP PROGRAM.
AUTHOR: US EPA REGION 1
DOC ID: 6874 08/01/2000 23 PAGES

5. RECORD OF DECISION (ROD)

SACO MUNICIPAL LANDFILL
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1. FORM : COMMENT ON PROPOSED PLAN.

TO: EDWARD M HATHAWAY, US EPA REGION 1
AUTHOR: BRIAN A BEAN, SACO (ME) RESIDENT
DOC ID: 8490 1 PAGE

2. LETTER: MAINE DEP TESTIMONY ON THE PROPOSED PLAN.

TO: MINDY LUBBER, US EPA REGION 1
AUTHOR: DAVID LENNETT, ME DEPT OF ENVIRONMENTAL PROTECTION
DOC ID: 8492 08/16/2000 4 PAGES

3. PUBLIC MEETING RECORD: PUBLIC HEARING AT THE SACO CITY HALL FOR COMMENTS
ON PROPOSED PLAN.

DOC ID: 8488 08/16/2000 22 PAGES

4. LETTER: COMMENT ON PROPOSED PLAN.

TO: EDWARD M HATHAWAY, US EPA REGION 1
AUTHOR: RICHARD R MICHAUD, SACO (ME) CITY OF
DOC ID: 8494 08/31/2000 4 PAGES

5. REPORT: RECORD OF DECISION (ROD)

AUTHOR: US EPA REGION 1
DOC ID: 8538 09/29/2000 113 PAGES

10. ENFORCEMENT/NEGOTIATION

1. LITIGATION: ADMINISTRATIVE ORDER BY CONSENT FOR REMOVAL ACTION.

AUTHOR: LINDA M MURPHY, US EPA REGION 1
DOC ID: 5302 05/22/1997 136 PAGES

13. COMMUNITY RELATIONS

1. NEWS CLIPPING: EPA PROPOSES PLAN TO ADDRESS GROUNDWATER AT THE SACO
LANDFILL SUPERFUND SITE.

AUTHOR: US EPA REGION 1
DOC ID: 6858 07/22/2000 1 PAGE

2. NEWS CLIPPING: EPA PROPOSES PLAN TO ADDRESS GROUNDWATER AT THE SACO
LANDFILL SUPERFUND SITE.

AUTHOR: US EPA REGION 1
DOC ID: 6860 07/22/2000 1 PAGE

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13. COMMUNITY RELATIONS (cont)

3. NEWS CLIPPING: EPA PROPOSES PLAN TO ADDRESS GROUNDWATER AT THE SACO
LANDFILL SUPERFUND SITE.
AUTHOR: US EPA REGION 1
DOC ID: 6859 07/24/2000 1 PAGE
4. NEWS CLIPPING: EPA PROPOSES PLAN TO ADDRESS GROUNDWATER AT THE SACO
LANDFILL SUPERFUND SITE.
AUTHOR: US EPA REGION 1
DOC ID: 6861 07/24/2000 1 PAGE
5. NEWS CLIPPING: LANDFILL CLEANUP PROPOSAL ENDORSED.
AUTHOR: STEVE FROTHINGHAM, JOURNAL TRIBUNE
DOC ID: 6857 07/25/2000 1 PAGE

20. RECORDS MANAGEMENT

1. INDEX : GUIDANCE DOCUMENTS.
DOC ID: 6800 07/01/2000 2 PAGES

GUIDANCE DOCUMENTS

1. CERCLA Compliance with Other Laws Manual: Draft Guidance. EPA/540/G-89/006. August 8, 1988. [C108]
2. CERCLA Compliance with Other Laws Manual: Part II. Clean Air Act and Other Environmental Statutes and State Requirements. Interim Final. EPA/540/G-89/009. August 1, 1989. [C109]
3. Conducting Remedial Investigations/Feasibility Studies for CERCLA Municipal Landfill Sites. OSWER #9355.3-11. February 1, 1991. [C177]
4. Eco Update. Ecological Significance and Selection of Candidate Assessment Endpoints. Intermittent Bulletin Volume 3, Number 1. OSWER #9345.0-11FSI. January 1, 1996. [C268]
5. Eco Update. Ecotox Thresholds. Intermittent Bulletin Volume 3, Number 2. OSWER #9345.0-12FSI. January 1, 1996. [C269]
6. Ecological Assessment of Hazardous Waste Sites: A Field and Laboratory Reference. Kilkelly Environmental Associates. Western Aquatics, Inc. EPA/600/3-89/013. March 1, 1989. [C251]
7. Ecological Risk Assessment Guidance for Superfund Process for Designing and Conducting Ecological Risk Assessments. Stephen D. Luftig. EPA/540/R-97/006. June 2, 1997. [C361]
8. Ecological Risk Assessment Issue Papers. Environmental Protection Agency. EPA/630/R-94/009. November 1, 1994. [C369]
9. Feasibility Study: Detailed Analysis of Remedial Action Alternatives [Quick Reference Fact Sheet]. OSWER #9355.3-01FS4. March 1, 1990. [2019]
10. National Primary Drinking Water Regulations; Arsenic and Clarifications to Compliance and New Source Contaminants Monitoring; Proposed Rule. Federal Register Volume 65, Number 121. June 22, 2000. [C519]
11. Presumptive Remedies: Policy and Procedures. OSWER #9355.0-47FS. September 1, 1993. [C143]
12. Presumptive Remedies: Site Characterization and Technology Selection for CERCLA Sites with Volatile Organic Compounds in Soils. Environmental Protection Agency. OSWER #9355.0-48FS. September 1, 1993. [C491]

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13. Presumptive Remedy for CERCLA Municipal Landfill Sites. OSWER #9355.0-49FS. September 1, 1993. [C157]
 14. Proposed Revision to Arsenic Drinking Water Standard. Environmental Protection Agency. EPA/815/F00/012. May 2000. [C520]
 15. Risk Assessment Guidance for Superfund. Human Health Evaluation Manual Part A. July 1, 1989. [C180]
 16. Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual. OSWER #9285.7-01a. September 29, 1989. [5023]
 17. Risk Assessment Guidance for Superfund. Volume I. Human Health Evaluation Manual (Part A). Interim Final. EPA/540/1-89/002. December 1, 1989. [C174]
 18. Risk Assessment Guidance for Superfund. Vol. 1. Human Health Evaluation Manual Supplemental Guidance: Standard Default Exposure Factors. Interim Final. Environmental Protection Agency. OSWER #9285.6-03. March 25, 1991. [C219]
 19. Risk Assessment Guidance for Superfund, Volume II, Environmental Evaluation Manual. EPA/540/1-89/001. March 1, 1989. [5024]
 20. Risk Update Issue No. 2. Environmental Protection Agency. August 1, 1994. [C288]
 21. Role of the Baseline Risk Assessment in Superfund Remedy Selection Decisions. Don R. Clay. OSWER #9355.0-30. April 22, 1991. [C276]
 22. Rules of Thumb for Superfund Remedy Selection. Environmental Protection Agency. EPA/540/R-97/013. OSWER #9355.0-69. August 1, 1997. [C473]