

Superfund Records Center
SITE: Dover Municipal
BREAK: 20,01
OTHER: 34237

Dover Municipal Landfill

NPL Site Administrative Record

Index

ROD Signed: September 10, 1991

Prepared for

Region I
Waste Management Division
U.S. Environmental Protection Agency

With Assistance from

AMERICAN MANAGEMENT SYSTEMS, INC.

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Introduction

This document is the Index to the Administrative Record for the September 10, 1991 Record of Decision (ROD) for the Dover Municipal Landfill National Priorities List (NPL) site. Section I of the Index cites site-specific documents and Section II cites guidance documents used by EPA staff in selecting a response action at the site.

The Administrative Record is available for public review at EPA Region I's Office in Boston, Massachusetts, and at the Dover Public Library 73 Locust Street, Dover, New Hampshire. *This Index contains confidential documents that are available only for judicial review.* Questions concerning the Administrative Record should be addressed to the EPA Region I site manager.

The Administrative Record is required by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA).

Section I

Site-Specific Documents

ADMINISTRATIVE RECORD INDEX

for the

Dover Municipal Landfill NPL Site

(ROD Signed: September 10, 1991)

1.0 Pre-Remedial

1.1 CERCLIS Site Discovery

1. "Notification of Hazardous Waste Site" Form, EPA Region I (June 8, 1981) with attached Letter from Jay E. Stephens, City of Dover to Paul Dade, EPA Region I.

1.2 Preliminary Assessment

1. "Potential Hazardous Waste Site Identification and Preliminary Assessment" Form, EPA Region I (March 13, 1981).
2. "Potential Hazardous Waste Site Identification and Preliminary Assessment" Form, EPA Region I (October 15, 1981).
3. "Potential Hazardous Waste Site Identification and Preliminary Assessment" Form, EPA Region I (May 3, 1982) with attached National Priorities List Checklist of Data Requirements.

1.3 Site Inspection

1. "Potential Hazardous Waste Site - Site Inspection Report" Form, EPA Region I (September 24, 1981).

3.0 Remedial Investigation (RI) and Field Elements Study (FES)

3.1 Correspondence - Remedial Investigation (RI)

1. Letter from Paul J. Cavicchi, State of New Hampshire Water Supply and Pollution Control Commission to Judy Bersin (February 23, 1981). Concerning well water testing on February 11, 1981 and the precautionary recommendation that the water supply not be used for drinking purposes.
2. Memorandum from Paul J. Cavicchi, State of New Hampshire Water Supply and Pollution Control Commission to File (March 23, 1981). Concerning results of a meeting to discuss groundwater contamination in the vicinity of the site.
3. Trip Report on a Visit to Dover Municipal Landfill Site, Tom Roy, State of New Hampshire Bureau of Waste Management, Susan Hanamoto and Steve Mangion, EPA Region I (September 24, 1981). Concerning inspection of contaminated water.
4. Letter from Dan H. Allen, State of New Hampshire Water Supply and Pollution Control Commission to Robert Steele, City of Dover (January 15, 1982). Concerning agreement that a second round of sampling, as recommended by Camp, Dresser & McKee, is advisable.
5. Memorandum from John R. Moebes, EPA Region I to Merrill S. Hohman, EPA Region I (August 9, 1983). Concerning transmittal of the second Draft Remedial Action Master Plan and recommending its release.

3.1 Correspondence - Remedial Investigation (RI) (cont'd.)

6. Letter from John F. Zipeto, EPA Region I to Robert D. Steele, City of Dover (September 14, 1983). Concerning transmittal of the Final Remedial Action Master Plan.
7. Letter from John F. Zipeto, EPA Region I to Michael Donahue, State of New Hampshire Water Supply and Pollution Control Commission (September 14, 1983). Concerning transmittal of the Final Remedial Action Master Plan.
8. Letter from Timothy J. Porter, EPA Region I to Jean Doherty (October 4, 1984). Concerning transmittal of the Final Remedial Action Master Plan.
9. Letter from Patrick G. Gillespie, Wehran Engineering Corporation to Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission (July 1, 1985). Concerning transmittal of the Phase I Hydrogeological Investigation Report for review.
10. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Patrick G. Gillespie, Wehran Engineering Corporation (February 14, 1986). Concerning the request that additional background information be submitted and the status of all deliverables be reported.
11. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Renny Perry, City of Dover (April 15, 1987) with attached map of observation wells, "Water Quality Monitoring Data - OW-1" and "Water Quality Monitoring Data - OW-1A". Concerning groundwater samples taken from observation wells and notification that the lower aquifer (observation well OW-1) is contaminated.
12. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Ferioli (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
13. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Susan Conner (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
14. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Thomas Dubois (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
15. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Wagner (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
16. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Delp (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
17. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. D. Dubois (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
18. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Nystedt (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.

3.1 Correspondence - Remedial Investigation (RI) (cont'd.)

19. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Miles (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
20. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Dowaliby (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
21. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. H. Ekola, Sr. (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
22. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. K. Purrington (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
23. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Dumas (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
24. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Doherty (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
25. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Gagnon (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
26. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. R. Grant (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
27. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. A. Purrington (May 17, 1988). Concerning negative results of water samples taken from the local water supply well.
28. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Doherty (June 9, 1988). Concerning negative results of water samples taken from the local water supply well.
29. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Dubois (December 7, 1988). Concerning negative results of water samples taken from the local water supply well.
30. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Connors (December 7, 1988). Concerning negative results of water samples taken from the local water supply well.
31. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Mr. and Mrs. Thomas Dubois (October 12, 1989). Concerning negative results of water samples taken from the local water supply well.

3.1 Correspondence - Remedial Investigation (RI) (cont'd.)

32. Letter from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission to Susan Conner (October 12, 1989). Concerning negative results of water samples taken from the local water supply well.

3.1 Correspondence - Field Elements Study (FES)

33. Letter from Cheryl L. Sprague for Paul N. Marchessault, EPA Region I to Randall L. Lund, Davidson Interior Trim/Textron (July 19, 1989). Concerning field locations for the proposed monitoring wells.
34. Letter Report from Walter L. Graf Jr., Geo/Resource Consultants, Inc. to Cheryl L. Sprague, EPA Region I (September 19, 1989). Concerning a summary of drilling activities for monitoring well MW-101 during the period of August 9-25, 1989.
35. Letter from Richard C. Cote, HMM Associates, Inc. to Cheryl L. Sprague, EPA Region I (January 23, 1990). Concerning transmittal of the pages to be inserted into the January 8, 1990 "Draft Field Elements Study," HMM Associates.
36. Letter from Richard C. Cote, HMM Associates, Inc. to Cheryl L. Sprague, EPA Region I (March 6, 1991). Concerning modifications to the Management of Migration Alternative MM-4.

3.2 Sampling and Analysis Data

Sampling and Analysis Data - Remedial Investigation (RI)

1. Memorandum from C. E. Fuller, Camp Dresser & McKee, Inc. to Don Muldoon (March 23, 1981). Concerning analysis of water samples taken from private residential wells near the site. The following are attached:
 - A. "Sample & Site Data - Water Analysis - Former Landfill Area."
 - B. "Test Locations - Existing Wells."
 - C. "Certificate of Laboratory Analysis," Camp Dresser & McKee, Inc. (April 3, 1981).
 - D. "Certificate of Laboratory Analysis," Camp Dresser & McKee, Inc. (April 8, 1981).
2. Letter from Rance G. Collins, City of Portsmouth to Paul J. Cavicchi, State of New Hampshire Water Supply and Pollution Control Commission (June 5, 1981). Concerning transmittal of the results of surface water samples for volatile organic analysis.
3. Letter from Brook S. Dupee, State of New Hampshire Division of Waste Management to Beatrice Fogg, City of Dover (August 10, 1984). Concerning attached results of a private analysis of water which is discharging from the site and recommending that direct contact with run-off water be avoided.

The remaining Sampling and Analysis Data for the Remedial Investigation (RI) may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

Sampling and Analysis Data - Field Elements Study (FES)

4. Letter from Cheryl L. Sprague, EPA Region I to Randall L. Lund, Davidson Interior Trim/Textron (October 3, 1989). Concerning the Air Monitoring Program at the site.
5. Split Sampling Results, State of New Hampshire Department of Environmental Services (October 1989).

3.2 Sampling and Analysis Data - Field Elements Study (FES) (cont'd.)

6. Memorandum from David N. Pease, Resource Analysts, Inc. to William Rice, State of New Hampshire Department of Environmental Services (November 3, 1989). Concerning the attached:
 - A. "Certificate of Approval - Wastewater Analysis."
 - B. "Certificate of Approval - Drinking Water Analysis."
 - C. Test results for pesticides, PCBs, and acid/base/neutral extractable organic compounds.
7. Letter from Richard H. Pease, State of New Hampshire Department of Environmental Services to Cheryl L. Sprague, EPA Region I (January 5, 1990). Concerning transmittal of attached Chain of Custody forms and split sampling results taken at the site on November 12 - 13, 1989.
8. Memorandum from Richard C. Cote, HMM Associates, Inc. to Cheryl L. Sprague, EPA Region I (March 7, 1990). Concerning the treatability study work plan and the attached list of wells and parameters to be sampled.
9. Letter from Walter L. Graf Jr., Geo/Resource Consultants, Inc. to Cheryl L. Sprague, EPA Region I (March 13, 1990). Concerning the attached data comparison tables for samples split between HMM Associates, Inc. and the Geo/Resource Consultants, Inc. oversight team between November 6 - 11, 1989.
10. Letter from Cheryl L. Sprague, EPA Region I to Randall L. Lund, Davidson Interior Trim/Textron (January 9, 1991). Concerning transmittal of the "Ambient Air Risk Summary."
11. Letter from Richard H. Pease, State of New Hampshire Department of Environmental Services to Cheryl L. Sprague, EPA Region I (March 7, 1991). Concerning the results from sampling conducted on February 19, 1991 at B-8WT and B-8U monitoring wells.
12. Letter from Richard H. Pease, State of New Hampshire Department of Environmental Services to Cheryl L. Sprague, EPA Region I (March 26, 1991). Concerning the results from sampling conducted on March 8, 1991 from eight wells at four locations between the Bellamy Reservoir and the Dover Municipal Landfill.

The remaining Sampling and Analysis Data for the Field Elements Study (FES) may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

3.4 Interim Deliverables

Reports - Remedial Investigation (RI)

1. "Remedial Action Master Plan," NUS Corporation (September 1983).

The maps associated with the record cited as entry number 2 are oversized and may be reviewed, by appointment only, at EPA Region I in Boston, Massachusetts.

2. "Phase I Geophysical Investigations," Weston Geophysical Corporation for Wehran Engineering Corporation (March 1985).
3. "Quality Assurance Project Plan," Wehran Engineering (April 1985).
4. "Appendices - Quality Assurance Project Plan," Wehran Engineering (April 1985).

The maps associated with the record cited as entry number 5 are oversized and may be reviewed, by appointment only, at EPA Region I in Boston, Massachusetts.

5. "Data Report - Phase I - Field Investigations," Goldberg-Zoino & Associates, Inc. for Wehran Engineering Corporation (June 1985).

3.4 Interim Deliverables (cont'd)

Reports - Remedial Investigation (RI) (cont'd)

6. "Quality Assurance Project Plan," State of New Hampshire Water Supply and Pollution Control Commission (October 1986).

Comments - Remedial Investigation (RI)

7. Comments Dated December 4, 1985 from Richard H. Pease, State of New Hampshire Water Supply and Pollution Control Commission on the March 1985 "Phase I Geophysical Investigations," Weston Geophysical Corporation for Wehran Engineering Corporation.

Reports - Field Elements Study (FES)

8. "Quality Assurance Project Plan - Enforcement Support," Jacobs Engineering Group, Inc. (July 12, 1989).
9. "Quality Assurance Project Plan for the Field Elements Study," HMM Associates, Inc. (August 8, 1989).

3.6 Remedial Investigation (RI) Reports

Reports - Remedial Investigation (RI)

1. "Volume I - Remedial Investigation," Goldberg-Zoino & Associates, Inc. and Wehran Engineering Corporation (November 1988).

The maps associated with the record cited as entry number 2 are oversized and may be reviewed, by appointment only, at EPA Region I in Boston, Massachusetts.

2. "Volume II - Remedial Investigation - Tables and Figures," Goldberg-Zoino & Associates, Inc. and Wehran Engineering Corporation (November 1988).
3. "Volume III - Remedial Investigation - Appendices A-H," Goldberg-Zoino & Associates, Inc. and Wehran Engineering Corporation (November 1988).
4. "Volume IV - Remedial Investigation - Appendices I & J," Goldberg-Zoino & Associates, Inc. and Wehran Engineering Corporation (November 1988).
5. "Section 8 - Risk Assessment - Volume I - Remedial Investigation," Wehran Engineering Corporation (February 1989).

Reports - Field Elements Study (FES)

6. "Draft Field Elements Study," HMM Associates (January 8, 1990).
7. "Draft Field Elements Study and Supplemental Risk Assessment," HMM Associates (May 18, 1990).
8. "Draft Field Elements Study and Supplemental Risk Assessment - Appendices," HMM Associates (May 18, 1990).
9. "Final Field Elements Study and Supplemental Risk Assessment," HMM Associates (February 11, 1991).
10. "Final Field Elements Study and Supplemental Risk Assessment - Appendices," HMM Associates (February 11, 1991).

Comments - Field Elements Study (FES)

11. Comments Dated January 14, 1991 from Cheryl L. Sprague, EPA Region I on the May 18, 1990 "Draft Field Elements Study," HMM Associates, Inc.
12. Comments Dated January 29, 1991 from Cheryl L. Sprague, EPA Region I on the May 18, 1990 "Draft Field Elements Study," HMM Associates, Inc.
13. Cross-Reference: Letter from Cyndi Perry, United States Department of the Interior to Cheryl L. Sprague, EPA Region I (May 24, 1991). Concerning comments on the February 11, 1991 "Final Field Elements Study and Supplemental Risk Assessment," HMM Associates and the February 28, 1991 "Final Feasibility Study," HMM Associates, Inc. [Filed and cited as entry number 2 in 16.1 Correspondence]

3.7 Work Plans and Progress Reports

Work Plans - Field Elements Study (FES)

Reports

1. "Work Plan for Dover Municipal Landfill Field Elements Study," HMM Associates, Inc. (August 23, 1989).

Comments

2. Letter from Cheryl L. Sprague, EPA Region I to Randall L. Lund, Davidson Interior Trim/Textron (September 18, 1989). Concerning EPA approval of the Field Elements Study Quality Assurance Project Plan, Field Elements Study Work Plan, and the Feasibility Study Final Work Plan pending one correction to the Field Elements Study Work Plan.

Responses to Comments

3. Letter from Richard C. Cote, HMM Associates, Inc. to Paul Marchessault, EPA Region I (October 3, 1989) with the attached "FS Field Element Work Plan Addendum" and "Draft Project Schedule." Concerning the correction requested by EPA in the September 18, 1989 letter.

Progress Reports - Field Elements Study (FES)

4. "Monthly Progress Status Report," HMM Associates, Inc. (August 1988).
5. "Monthly Progress Status Report," HMM Associates, Inc. (September 1988).
6. "Monthly Progress Status Report," HMM Associates, Inc. (October 1988).
7. "Monthly Progress Status Report," HMM Associates, Inc. (November 1988).
8. "Monthly Progress Status Report," HMM Associates, Inc. (December 1988).
9. Letter from Sherilyn Burnett Young, Rath, Young, Pignatelli and Oyer (Attorney for the Settling Parties) to Paul N. Marchessault, EPA Region I (January 17, 1989). Concerning transmittal of the attached Contract Task Summary which is a supplement to the monthly progress reports (The cost information of the Attachment is Withheld as CONFIDENTIAL).
10. "Monthly Progress Status Report," HMM Associates, Inc. (January 1989).
11. "Monthly Progress Status Report," HMM Associates, Inc. (February 1989).
12. "Monthly Progress Status Report," HMM Associates, Inc. (March 1989).
13. "Monthly Progress Status Report," HMM Associates, Inc. (April 1989).
14. "Monthly Progress Status Report," HMM Associates, Inc. (May 1989).
15. "Monthly Progress Status Report," HMM Associates, Inc. (June 1989).
16. "Monthly Progress Status Report," HMM Associates, Inc. (July 1989).
17. "Monthly Progress Status Report," HMM Associates, Inc. (August 1989).

3.7 Work Plans and Progress Reports (cont'd.)

Progress Reports - Field Elements Study (FES) (cont'd.)

18. "Monthly Progress Status Report," HMM Associates, Inc. (September 1989).
19. Memorandum from Richard C. Cote, HMM Associates, Inc. to Cheryl L. Sprague, EPA Region I (October 16, 1989). Concerning the status of sediment, surface water, and air sampling.
20. "Monthly Progress Status Report," HMM Associates, Inc. (October 1989) with attached "Soil Borings - Phase II Summary - 11/10/89."
21. "Monthly Progress Status Report," HMM Associates, Inc. (November 1989).
22. "Monthly Progress Status Report," HMM Associates, Inc. (April 1990).

3.9 Health Assessments

1. "Health Assessment for Dover Municipal Landfill," Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) (April 12, 1989).

4.0 Feasibility Study (FS)

4.1 Correspondence

1. Cross-Reference: Letter from Richard C. Cote, HMM Associates to Cheryl L. Sprague, EPA Region I (March 6, 1991). Concerning modifications to the Management of Migration Alternative MM-4 [Filed and cited as entry number 36 in 3.1 Correspondence].

4.2 Sampling and Analysis Data

The record cited in entry number 1 may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

1. Routine Sampling Results from Selected Wells at the Site (Samples Collected March 15, 16, and 17, 1989) State of New Hampshire Department of Environmental Services.

4.6 Feasibility Study (FS) Reports

Reports

Some figures associated with the record cited as entry number 1 are oversized and may be reviewed, by appointment only, at EPA Region I in Boston, Massachusetts.

1. "Draft Feasibility Study," HMM Associates, Inc. (June 1990).
2. "Draft Feasibility Study - Appendices," HMM Associates, Inc. (June 1990).
3. "Draft Feasibility Study," HMM Associates, Inc. (November 1990).
4. Letter from Richard C. Cote, HMM Associates to Dover Landfill PRP Group (May 1, 1989). Concerning the attached report. [This document was submitted to EPA Region I in November 1990 as "Draft Feasibility Study - Appendices - Arsenic," HMM Associates, Inc.]

Some figures associated with the record cited as entry number 5 are oversized and may be reviewed, by appointment only, at EPA Region I in Boston, Massachusetts.

5. "Draft Feasibility Study," HMM Associates, Inc. (January 30, 1991).

4.6 Feasibility Study (FS) Reports (cont'd.)

Reports (cont'd.)

6. "Draft Feasibility Study - Appendices - Groundwater-Remediation Time Frame Model," HMM Associates, Inc. (January 30, 1991).
7. "Final Draft Feasibility Study," HMM Associates, Inc. (February 6, 1991).
8. "Final Draft Feasibility Study - Appendices," HMM Associates, Inc. (February 6, 1991).
9. Letter from Richard C. Cote, HMM Associates, Inc. to Cheryl L. Sprague, EPA Region I (February 20, 1991) with the attached "Draft Feasibility Study - Appendix VIII Estimates of Remediation Time Frame." Concerning the Groundwater-Remediation Time Frame Model.
10. "Final Feasibility Study," HMM Associates, Inc. (February 28, 1991).*
11. "Final Feasibility Study - Appendices," HMM Associates, Inc. (February 28, 1991).

Comments

12. Comments Dated August 31, 1990 from Cheryl L. Sprague, EPA Region I on the June 1990 "Draft Feasibility Study," HMM Associates, Inc.
13. Comments Dated January 4, 1991 from Cheryl L. Sprague, EPA Region I on the November 1990 "Draft Feasibility Study," HMM Associates, Inc.
14. Cross-Reference: Comments Dated January 29, 1991 from Cheryl L. Sprague, EPA Region I on the May 18, 1990 "Draft Field Elements Study," HMM Associates, Inc. [Filed and cited as entry number 12 in 3.6 Remedial Investigation (RI) Reports].
15. Comments Dated February 20, 1991 from Andrew W. Serell for Sherilyn Burnett Young, Rath, Young, Pignatelli and Oyer (Attorney for PRP Steering Committee) on the February 6, 1991 "Final Draft Feasibility Study," HMM Associates, Inc.
16. Comments Dated February 22, 1991 from Cheryl L. Sprague, EPA Region I on the February 6, 1991 "Final Draft Feasibility Study," HMM Associates, Inc.
17. Cross-Reference: Letter from Cyndi Perry, United States Department of the Interior to Cheryl L. Sprague, EPA Region I (May 24, 1991). Concerning comments on the February 11, 1991 "Final Field Elements Study and Supplemental Risk Assessment," HMM Associates and the February 28, 1991 "Final Feasibility Study," HMM Associates, Inc. [Filed and cited as entry number 2 in 16.1 Correspondence]

Responses to Comments

18. Correction Guide from HMM Associates, Inc. to the Comments Dated January 4, 1991 from EPA Region I on the November 1990 "Draft Feasibility Study," HMM Associates, Inc.

4.7 Work Plans and Progress Reports

1. "Final Work Plan Dover Municipal Landfill Feasibility Study," HMM Associates, Inc. (September 8, 1989).

4.9 Proposed Plans for Selected Remedial Actions

1. "EPA Proposes Cleanup Plan for the Dover Municipal Landfill Site," EPA Region I (March 1991).

* Tables 4-2A, 4-2B and 4-2C were modified to reflect changes in
DOV004, Frames 8+9 (1/27/91)

5.0 Record of Decision (ROD)

5.1 Correspondence

1. Letter from Robert J. Gallo, McNeill & Taylor (Attorney for the Town of Madbury) to John T. McNeil, EPA Region I (March 26, 1991). Concerning the request that the public comment period on the March 1991 Proposed Plan be extended an additional thirty days.
2. Letter from Andrew W. Serell, Rath, Young, Pignatelli and Oyer (Attorney for the PRP Steering Committee) to Cheryl L. Sprague, EPA Region I (March 29, 1991). Concerning the request that the public comment period on the March 1991 Proposed Plan be extended an additional forty-five days.
3. Letter from Merrill S. Hohman, EPA Region I to Robert J. Gallo, McNeill & Taylor (Attorney for the Town of Madbury) (April 5, 1991). Concerning notification that the public comment period has been extended thirty days and will now close on May 24, 1991.
4. Letter from Merrill S. Hohman, EPA Region I to Andrew W. Serell, Rath, Young, Pignatelli and Oyer (Attorney for the PRP Steering Committee) (April 5, 1991). Concerning notification that the public comment period has been extended thirty days and will now close on May 24, 1991.
5. Letter from Philip J. O'Brien and Robert Varney, State of New Hampshire Department of Environmental Services to Julie Belaga, EPA Region I (September 9, 1991). Concerning state concurrence with the selected remedy.

5.3 Responsiveness Summary

1. Cross-Reference: Responsiveness Summary is an attachment to the September 10, 1991 "Record of Decision," EPA Region I [Filed and cited as entry number 1 in 5.4 Record of Decision (ROD)].

The following citations indicate documents received by EPA Region I during the formal public comment period.

2. Comments Dated April 12, 1991 from David S. Allen and Richard G. McCann, City of Portsmouth on the March 1991 Proposed Plan.

The record cited as entry number 3 is oversized and may be reviewed, by appointment only at EPA Region I, Boston, Massachusetts.

3. "An Updated Public Health Evaluation of the Dover Municipal Landfill," Environmental Standards, Inc. for Dover Landfill PRP Group (May 18, 1991).
4. Comments Dated May 22, 1991 from John and Linda Sibik on the March 1991 Proposed Plan.
5. Comments Dated May 23, 1991 from Otis E. Perry, Green Fields Farm on the March 1991 Proposed Plan.
6. Comments Dated May 23, 1991 from George Maglaras, City of Dover on the March 1991 Proposed Plan.
7. Comments Dated May 23, 1991 from Robert J. Gallo, McNeill & Taylor (Attorney for the Town of Madbury) and Christopher A. Wyskiel, Wyskiel, Boc & Reid (Attorney for the Town of Madbury) on the March 1991 Proposed Plan with the attached Exhibits A through P.
8. Letter from Christopher A. Wyskiel, Wyskiel, Boc & Reid (Attorney for the Town of Madbury) to Cheryl L. Sprague, EPA Region I (May 24, 1991). Concerning corrections to be made to the Comments Dated May 23, 1991 on the March 1991 Proposed Plan.
9. Comments Dated May 24, 1991 from David B. Wright, City of Dover on the March 1991 Proposed Plan with the attached financial charts.

5.3 Responsiveness Summary (cont'd.)

10. Comments Dated May 24, 1991 from Gary M. Garfield and John A. Gilbert, Balsam Environmental Consultants, Inc. for the Dover Municipal Landfill PRP Group on the March 1991 Proposed Plan.
11. "Comments on the EPA Preferred Remedy for the Dover Landfill Site," Balsam Environmental Consultants, Inc. for the Dover Municipal Landfill PRP Group (May 24, 1991).
12. Letter from Gary M. Garfield and John A. Gilbert, Balsam Environmental Consultants, Inc. for the Dover Municipal Landfill PRP Group to Cheryl L. Sprague (May 24, 1991). Concerning the attached "Alternative Remedy for the Dover Landfill Superfund Site," Balsam Environmental Consultants, Inc. for the Dover Municipal Landfill PRP Group.
13. "Petitions to the City of Dover, New Hampshire."

The following citation indicates a document received by EPA Region I after the formal public comment period.

14. Comments Dated May 24, 1991 from Kenneth R. Mahony, City of Portsmouth on the March 1991 Proposed Plan.

5.4 Record of Decision (ROD)

1. "Record of Decision," EPA Region I (September 10, 1991).

9.0 State Coordination

9.1 Correspondence

1. "A95 State Clearinghouse Form," State of New Hampshire Office of State Planning with the following attachments:
 - A. "Authorization to File Application," State of New Hampshire Office of State Planning (October 12, 1983).
 - B. "Acknowledgement," State of New Hampshire Office of State Planning (September 22, 1983).
 - C. "Request for Review of Project Notification," State of New Hampshire Office of State Planning (September 22, 1983).

10.0 Enforcement

10.3 State and Local Enforcement Records

1. Letter from David B. Wright, City of Dover to Cheryl L. Sprague, EPA Region I (February 20, 1991). Concerning an update on the status of the Municipal Ordinance.

11.0 Potentially Responsible Party

11.7 PRP Steering Committee Documents

1. Letter from Andrew W. Serell, Rath, Young, Pignatelli and Oyer (Attorney for PRP Steering Committee) to Gretchen M. Muench, EPA Region I (June 20, 1990). Concerning notification that Rosen Trucking and United Parcel Service have joined the Dover Landfill PRP Group.

11.7 PRP Steering Committee Documents (cont'd.)

2. Letter from Andrew W. Serell, Rath, Young, Pignatelli and Oyer (Attorney for PRP Steering Committee) to Gretchen M. Muench, EPA Region I (July 6, 1990). Concerning notification that Cleary Cleaners has joined the Dover Landfill PRP Group.
3. Letter from Sherilyn Burnett Young, Rath, Young, Pignatelli and Oyer (Attorney for PRP Steering Committee) to Cheryl L. Sprague, EPA Region I (February 27, 1991). Concerning transmittal of the attached signature pages to the Site Trust Agreement.
4. Cross-Reference: Letter from Daniel Coughlin, EPA Region I to Randall Lund, Davidson Interior Trim/Textron (April 1, 1991). Concerning additional tasks to be completed under the Administrative Order [Filed and cited as entry number 2 in 11.9 PRP-Specific Correspondence].
5. Cross-Reference: Letter from Gary M. Garfield and John A. Gilbert, Balsam Environmental Consultants, Inc. for the Dover Municipal Landfill PRP Group to Cheryl L. Sprague (May 24, 1991). Concerning the attached "Alternative Remedy for the Dover Landfill Superfund Site," Balsam Environmental Consultants, Inc. for the Dover Municipal Landfill PRP Group [Filed and cited as entry number 12 in 5.3 Responsiveness Summaries].
6. Letter from Young, Rath, Young, Pignatelli and Oyer (Attorney for PRP Steering Committee) to Daniel Coughlin, EPA Region I (May 30, 1991). Concerning a response to the April 1, 1991 Letter from EPA Region I to Randall Lund, Davidson Interior Trim/Textron regarding additional tasks to be completed under the Administrative Order.

11.9 PRP-Specific Correspondence

1. Letter from Merrill S. Hohman, EPA Region I to attached list of Addressees (March 15, 1991). Concerning notification of potential liability for the Dover Municipal Landfill site and the invitation to voluntarily participate in the site cleanup.
2. Letter from Daniel Coughlin, EPA Region I to Randall Lund, Davidson Interior Trim/Textron (April 1, 1991). Concerning additional tasks to be completed under the Administrative Order.
3. Letter from George A. Thomas, State of New Hampshire Treasury Department to Cheryl L. Sprague, EPA Region I (May 16, 1991). Concerning the inability of the City of Dover to finance sixty-three percent of the site cleanup.
4. Letter from David B. Wright, City of Dover to Cheryl L. Sprague, EPA Region I (May 17, 1991). Concerning the attached resolution of the Dover City Council regarding the site on May 8, 1991.
5. Letter from David B. Wright, City of Dover to Cheryl L. Sprague, EPA Region I (May 24, 1991). Concerning confirmation that EPA Region I has received the May 16, 1991 Letter from David B. Wright, City of Dover to Cheryl L. Sprague, EPA Region I.
6. Letter from Robert J. Gallo, McNeil & Taylor (Attorney for the Town of Madison) to John T. McNeil, EPA Region I (June 6, 1991). Concerning the requested information regarding property owned by the Town of Madbury which may exist between the Dover Municipal Landfill and the Bellamy Reservoir.

11.9 PRP-Specific Correspondence (cont'd.)

The map cited as an attachment to the record cited below may be reviewed, by appointment only, at EPA Region I Boston, Massachusetts.

7. Letter from David B. Wright, City of Dover to John T. McNeil, EPA Region I (June 11, 1991). Concerning the requested information regarding property owned by the Town of Dover and the attached:
 - A. "Hazardous Waste Landfill District I," City of Dover (May 13, 1987).
 - B. "Health, Public, and Chapter 152 Streets and Sidewalks," City of Dover (April 10, 1991).
 - C. "Proposed Hazardous Waste Protection Zone Map," City of Dover (January 28, 1991).
8. Letter from John E. Peltonen, Stark and Peltonen (Attorney for the City of Dover) to John T. McNeil, EPA Region I (June 25, 1991). Concerning notification that the February 1991 "Conducting Remedial Investigations/Feasibility Studies for CERCLA Municipal Landfill Sites," EPA Region I should be considered in the Record of Decision.

13.0 Community Relations

13.2 Community Relations Plans

1. "Community Relations Plan," NUS Corporation (July 1985).

13.3 News Clippings/Press Releases

1. "Environmental News Release," EPA Region I (July 20, 1983). Concerning notification of a public meeting on August 9, 1983 to discuss the Remedial Action Master Plan.
2. "Press Release," State of New Hampshire Water Supply and Pollution Control Commission (April 4, 1984). Concerning the announcement that a Cooperative Agreement has been reached between the State of New Hampshire and EPA.
3. "Environmental News," EPA Region I (August 16, 1988). Concerning the announcement that the State of New Hampshire and EPA have reached an agreement with the City of Dover and eight potentially responsible parties.
4. "Environmental News," State of New Hampshire Department of Environmental Services (December 16, 1988) with the attached "New Hampshire Department of Environmental Services Background Information for Press Release Announcing DES Release of the Remedial Investigation." Concerning the release of the Remedial Investigation Report.
5. "Environmental News," State of New Hampshire Department of Environmental Services (March 9, 1989). Concerning the announcement that the Risk Assessment for the site has been released.
6. "Environmental News," EPA Region I (March 15, 1991). Concerning the announcement that EPA has proposed a \$25 million cleanup plan for the site.
7. "Environmental News," EPA Region I (April 5, 1991). Concerning the announcement that EPA has made a correction in the March 1991 Proposed Plan and that the public comment period has been extended until May 24, 1991.
8. "Bankruptcy Filing Rate Soars," The Union Leader - Manchester, NH (April 15, 1991).
9. "State Pollution Control Commission Updates Progress at Dover Municipal Landfill," State of New Hampshire Water Supply and Pollution Control Commission. Concerning an update of site activities.
10. "State Pollution Control Commission Updates Progress at Dover Municipal Landfill," State of New Hampshire Water Supply and Pollution Control Commission. Concerning an update of site activities.

13.4 Public Meetings

1. Cross-Reference: "Environmental News Release," EPA Region I (July 20, 1983). Concerning notification of a public meeting on August 9, 1983 to discuss the Remedial Action Master Plan [Filed and cited as entry number 1 in 13.3 News Clippings/Press Releases].
2. Attendance List, Remedial Action Master Plan Public Meeting for the Dover Municipal Landfill (August 9, 1983).
3. Meeting Agenda, Remedial Action Master Plan Public Meeting for the Dover Municipal Landfill (August 9, 1983)
4. Memorandum from John F. Zipeto, EPA Region I to Project Files (August 11, 1983). Concerning the August 9, 1983 Public Meeting.
5. Meeting Agenda, Public Meeting for the Dover Municipal Landfill (December 13, 1984) with the attached:
 - A. "Fact Sheet."
 - B. "State to Present a Public Informational Meeting on the Dover Municipal Landfill Remedial Investigation on December 13, 1984," State of New Hampshire Water Supply and Pollution Control Commission.
6. Meeting Agenda, Public Meeting for the Dover Municipal Landfill (March 30, 1989) with the attached "New Hampshire Department of Environmental Services Dover Municipal Landfill Remedial Investigation."
7. "Final Summary of the March 25, 1991 Public Informational Meeting on the Proposed Plan & Feasibility Study," Alliance Technologies Corporation.
8. Transcript, Dover Municipal Landfill Public Hearing (April 16, 1991).
9. "Statement of Richard R. Houghton, Chairman, Madbury Board of Selectmen Submitted to EPA Region I at the April 16, 1991 Public Hearing" with attached Exhibits.

13.5 Fact Sheets

1. "Fact Sheet," State of New Hampshire Department of Environmental Services (July 30, 1987). Concerning past remedial actions at the site.

13.6 Mailing Lists

The record cited as entry number 1 is withheld as CONFIDENTIAL and available only for judicial review.

1. Letter from Richard H. Pease, State of New Hampshire Department of Environmental Services to Paul Marchessault, EPA Region I (April 27, 1989). Concerning transmittal of the attached mailing list.

14.0 Congressional Relations

14.1 Correspondence

1. Letter from Robert C. Smith, Member of the U.S. House of Representatives to Michael R. Deland, EPA Region I (February 4, 1988). Concerning the issue of providing credit incentive for private parties to participate in the Remedial Investigation.
2. Letter from Paul Keough for Michael R. Deland, EPA Region I to Robert C. Smith, Member of the U.S. House of Representatives (March 1, 1988) with the attached Letter from Robert C. Smith, Member of the U.S. House of Representatives to Michael R. Deland, EPA Region I (February 4, 1988). Concerning clarification of the results of the administrative order signed on February 11, 1988.

16.0 Natural Resource Trustee

16.1 Correspondence

1. Letter from Bruce Blanchard, United States Department of the Interior to David Webster, EPA Region I (December 29, 1988). Concerning the preliminary natural resources survey.
2. Letter from Cyndi Perry, United States Department of the Interior to Cheryl L. Sprague, EPA Region I (May 24, 1991). Concerning comments on the February 11, 1991 "Final Field Elements Study and Supplemental Risk Assessment," HMM Associates and the February 28, 1991 "Final Feasibility Study," HMM Associates, Inc.
3. Letter from Kenneth Finkelstein, U.S. Department of Commerce National Oceanic and Atmospheric Administration to Cheryl L. Sprague, EPA Region I (June 5, 1991). Concerning information on a protective ecological level for arsenic in sediment.

16.3 Natural Resource Trustee Release

1. Letter from Robert Pavia, U.S. Department of Commerce National Oceanic and Atmospheric Administration to Dennis P. Gagne, EPA Region I (March 20, 1990). Concerning the attached Preliminary Natural Resource Survey.

16.4 Trustee Notification Form and Selection Guide

1. Letter from Patricia L. Meaney for Merrill S. Hohman, EPA Region I to Sharon Christopherson, United States Department of Commerce National Oceanic and Atmospheric Administration (May 15, 1987). Concerning the attached "Trustee Notification Form" and "Guide to Trustee Selection."
2. Letter from Patricia L. Meaney for Merrill S. Hohman, EPA Region I to William Patterson, United States Department of Commerce National Oceanic and Atmospheric Administration (May 15, 1987). Concerning the attached "Trustee Notification Form" and "Guide to Trustee Selection."

17.0 Site Management Records

17.1 Correspondence

1. Letter from Arthur L. Hoffman, City of Dover to Robert Donovan, Lakes Region Disposal Co., Inc. (April 10, 1979). Concerning the quantities and characteristics of the sludge produced by the Dover Sewage Treatment Plant.

17.7 Reference Documents

The records cited below as entries number 1 and 2 may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

1. "Analytical Methods for the Prediction of Leachate Plume Migration," Douglas C. Kent, Wayne A. Pettyjohn, and Thomas A. Prickett (Spring 1985).
2. "Conducting Remedial Investigations/Feasibility Studies for CERCLA Municipal Landfill Sites," EPA Region I (February 1991).

17.8 State and Local Technical Records

Reports

1. "Report on Ground Water Investigation at 'The Hoppers' for the City of Dover." Camp Dresser & McKee, Inc. (March 1971).
2. Trip Report on a Visit to the Dover Municipal Landfill Site. William J. Carter and Jay Stevens, State of New Hampshire (July 25, 1975). Concerning a soil site investigation.
3. "Report on Groundwater Supply Investigations at 'The Hopper's.'" Camp Dresser & McKee, Inc. (January 1978).
4. "Report to the Board of Water Commissioners on New Water Supply Sources and Improvements," Camp Dresser & McKee, Inc. (November 1979).
5. "Tolend Road Landfill Site Investigation," Camp Dresser & McKee, Inc. (July 1982).

Comments

6. Comments Dated September 21, 1982 from Dan H. Allen, State of New Hampshire Water Supply and Pollution Control Commission on the July 1982 "Tolend Road Landfill Site Investigation." Camp Dresser & McKee, Inc.

The Sampling and Analysis Data for the Site Management Records may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

Section II
Guidance Documents

GUIDANCE DOCUMENTS

EPA guidance documents may be reviewed at EPA Region I, Boston, Massachusetts.

General EPA Guidance Documents

1. "Protection of Wetlands (Executive Order 11990), Appendix D," Federal Register (Vol. 42), 1977.
2. U.S. Environmental Protection Agency. Guidance Manual for Minimizing Pollution from Waste Disposal Sites (EPA/600/2-78/142), August 1978.
3. U.S. Environmental Protection Agency. Municipal Environmental Research Laboratory. Biodegradation and Treatability of Specific Pollutants (EPA/600/9-79/034), October 1979.
4. U.S. Environmental Protection Agency. Municipal Environmental Research Laboratory. Carbon Adsorption Isotherms for Toxic Organics (EPA/600/8-80/023), April 1, 1980.
5. U.S. Environmental Protection Agency. Office of Water and Waste Management. Evaluating Cover Systems for Solid and Hazardous Waste, 1980.
6. U.S. Environmental Protection Agency. Municipal Environmental Research Laboratory. Costs of Remedial Response Actions at Uncontrolled Hazardous Waste Sites, April 15, 1981.
7. U.S. Environmental Protection Agency. Office of Water and Waste Management. Engineering Handbook for Hazardous Waste Incineration (SW-889, OSWER Directive 9488.00-5), September 1981.
8. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Evaluating Cover Systems for Solid and Hazardous Waste (Revised Edition) (SW-867, OSWER Directive 9476.00-1), September 1982.
9. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Lining of Waste Impoundment and Disposal Facilities (SW-870, OSWER Directive 9480.00-4), March 1983.
10. U.S. Environmental Protection Agency. Municipal Environmental Research Laboratory. Handbook for Evaluating Remedial Action Technology Plans (EPA/600/2-83/076), August 1983.
11. "Final and Proposed Amendments to the National Oil and Hazardous Substances Pollution Contingency Plan," Code of Federal Regulations (Title 40, Part 300), September 8, 1983.
12. "National Oil and Hazardous Substances Pollution Contingency Plan," Code of Federal Regulations (Title 40, Part 300), 1985.
13. "National Oil and Hazardous Substances Pollution Contingency Plan," Federal Register (Vol. 55, No. 46), March 8, 1990.
14. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Community Relations in Superfund: A Handbook (Interim Version) (EPA/HW-6), September 1983.
15. U.S. Environmental Protection Agency. Office of Research and Development and Office of Emergency and Remedial Response. Case Studies 1-23: Remedial Response at Hazardous Waste Sites (EPA 540/2-84/002b), March 1984.

16. "National Emission Standards for Hazardous Air Pollutants Asbestos Regulations," Code of Federal Regulations (Title 40, Part 61), April 5, 1984.
17. U.S. Environmental Protection Agency. Environmental Monitoring Systems Laboratory. Soil Sampling Quality Assurance User's Guide (EPA/600/4-84/043), May 1984.
18. U.S. Environmental Protection Agency. Office of Ground-Water Protection. Ground-Water Protection Strategy (EPA/440/6-84/002), August 1984.
19. U.S. Environmental Protection Agency. Environmental Criteria and Assessment Office. Health Effects Assessment Documents (58 Chemical Profiles) (EPA/540/1-86/001-058), September 1, 1984.
20. "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act; Final Rule and Interim Final Rule and Proposed Rule," Federal Register (Vol. 49, No. 209), October 26, 1984.
21. U.S. Environmental Protection Agency. Hazardous Response Support Division. Standard Operating Safety Guides, November 1984.
22. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Field Standard Operating Procedures Manual #4: Site Entry (OSWER Directive 9285.2-01), January 1, 1985.
23. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Field Standard Operating Procedures Manual #8: Air Surveillance (OSWER Directive 9285.2-03), January 1, 1985.
24. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Field Standard Operating Procedures Manual #9: Site Safety Plan (OSWER Directive 9285.2-05), April 1, 1985.
25. U.S. Environmental Protection Agency. Hazardous Waste Engineering Research Laboratory. Project Summary: Settlement and Cover Subsidence of Hazardous Waste Landfills (EPA/600/S2-85/035), May 1985.
26. U.S. Environmental Protection Agency. Environmental Research Laboratory. EPA Guide for Minimizing the Adverse Environmental Effects of Cleanup of Uncontrolled Hazardous-Waste Sites (EPA/600/8-85/008), June 1985.
27. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Guidance on Remedial Investigations under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) (EPA/540/G-85/002), June 1985.
28. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Guidance on Feasibility Studies under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) (EPA/540/G-85/003), June 1985.
29. Record of Decision. McKin, Gray, Maine, EPA Region I, Boston, Massachusetts, July 22, 1985.
30. U.S. Environmental Protection Agency. Environmental Monitoring Systems Laboratory. Sediment Sampling Quality Assurance User's Guide (EPA/600/4-85/048), July 1985.

31. Memorandum from William N. Hedeman, Director, U.S. Environmental Protection Agency Office of Emergency and Remedial Response to Toxic and Waste Management Division Directors, Regions I-X (OSWER Directive 9280.0-02), August 1, 1985 (discussing policy on flood plains and wetland assessments for CERCLA Actions).
32. U.S. Environmental Protection Agency. Office of Waste Programs Enforcement. Toxicology Handbook (OSWER Directive 9850.2), August 1, 1985.
33. U.S. Environmental Protection Agency. Office of Waste Programs Enforcement. Endangerment Assessment Handbook, August 1985.
34. U.S. Environmental Protection Agency. Hazardous Waste Engineering Research Laboratory and Office of Emergency and Remedial Response. Covers for Uncontrolled Hazardous Waste Sites (EPA 540/2-85/002), September 1985.
35. U.S. Department of Health and Human Services. National Institute for Occupational Safety and Health, and Occupational Safety and Health Administration. Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, October 1985.
36. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Handbook of Remedial Action at Waste Disposal Sites (EPA/625/6-85/006), October 1985.
37. U.S. Environmental Protection Agency. Hazardous Waste Engineering Research Laboratory. Handbook: Remedial Action at Waste Disposal Sites (Revised) (EPA/625/6-85/006), October 1985.
38. U.S. Environmental Protection Agency and Michigan Department of Natural Resources. Field Screening for Organic Contaminants in Samples from Hazardous Waste Sites, April 2, 1986.
39. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Guidance Document for Cleanup of Surface Impoundment Sites (OSWER Directive 9380.0-6), June 1986.
40. U.S. Environmental Protection Agency. Hazardous Waste Engineering Research Laboratory. Handbook for Stabilization/Solidification of Hazardous Waste (EPA/540/2-86/001), June 1986.
41. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund Remedial Design and Remedial Action Guidance (OSWER Directive 9355.0-4A), June 1986.
42. U.S. Environmental Protection Agency. Hazardous Waste Engineering Research Laboratory. Treatment Technology Briefs: Alternatives to Hazardous Waste Landfills (EPA/600/8-86/017), July 1986.
43. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Draft Guidance on Remedial Actions for Contaminated Groundwater at Superfund Sites (OSWER Directive 9283.1-2), September 20, 1986.
44. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Guidance on Remedial Actions for Contaminated Groundwater at Superfund Sites (OSWER Directive 9283.1-2), December 1988.
45. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Mobile Treatment Technologies for Superfund Wastes (EPA 540/2-86/003 (f)), September 1986.

46. U.S. Environmental Protection Agency. Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended October 17, 1986.
47. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund Public Health Evaluation Manual (EPA/540/1-86/060, OSWER Directive 9285.4-1), October 1986.
48. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Draft Guidance on Remedial Actions for Contaminated Groundwater at Superfund Sites (OSWER Directive 9283.1-2), October 1986.
49. "Hazardous Waste Management Systems; Land Disposal Restrictions; Final Rule," Federal Register (Vol. 51, No. 216), November 7, 1986.
50. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Interim Guidance on Superfund Selection of Remedy (OSWER Directive 9355.0-19), December 24, 1986.
51. Memorandum from J. Winston Porter, U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response to Regional Administrators, Regions I-X; Regional Counsels, Regions I-X, Director, Waste Management Division, Regions I, IV, V, VII, and VIII; Director, Emergency and Remedial Response Division, Region II; Director, Hazardous Waste Management Division, Regions III and VI; Director, Toxics and Waste Management Division, Region IX; Director, Hazardous and Waste Division, Region X; Environmental Services Division Directors, Regions I, VI, and VII (OSWER Directive 9355.0-19), December 24, 1986 (discussing interim guidance on Superfund selection of remedy).
52. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund State-Lead Remedial Project Management Handbook, (EPA/540/G-87/002), December 1986.
53. U.S. Environmental Protection Agency. Office of Ground-Water Protection. Guidelines for Ground-Water Classification under the EPA Ground-Water Protection Strategy, December 1986.
54. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund Glossary (WH/FS-86-007), Winter 1986.
55. U.S. Environmental Protection Agency. Hazardous Waste Engineering Research Laboratory. Technology Briefs: Data Requirements for Selecting Remedial Action Technology (EPA/600/2-87/001), January 1987.
56. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Data Quality Objectives for Remedial Response Activities: Development Process (EPA/540/G-87/003, OSWER Directive 9355.0-7B), March 1987.
57. Letter from Lee M. Thomas, U.S. Environmental Protection Agency to James J. Florio, Chairman, Subcommittee on Consumer Protection and Competitiveness, Committee on Energy and Commerce, U.S. House of Representatives, May 21, 1987 (discussing EPA's implementation of the Superfund Amendments and Reauthorization Act of 1986).
58. U.S. Environmental Protection Agency. Quality Assurance Management Staff. Guidelines and Specifications for Preparing Quality Assurance Program Documentation, June 1987.

59. Memorandum from J. Winston Porter, U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response to Addressees ("Regional Administrators, Regions I-X; Regional Counsel, Regions I-X; Director, Waste Management Division, Regions I, IV, V, VII, and VIII; Director, Emergency and Remedial Response Division, Region II; Director, Hazardous Waste Management Division, Regions III and VI; Director, Toxics and Waste Management Division, Region IX; Director, Hazardous Waste Division, Region X; Environmental Services Division Directors, Region I, VI, and VII") (OSWER Directive 9234.0-05), July 9, 1987 (discussing interim guidance on compliance with applicable or relevant and appropriate requirements).
60. Memorandum from Henry L. Longest, U.S. Environmental Protection Agency Office of Emergency and Remedial Response to Directors, Waste Management Division, Regions I, IV, V, VI, VII, and VIII; Director, Emergency and Remedial Response Division, Region II; Directors; Hazardous Waste Management Division, Regions III and X; Directors, Toxics and Waste Management Division, Region IX (OSWER Directive 9355.0-20), July 23, 1987 (discussing RI/FS improvements).
61. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Additional Interim Guidance for Fiscal Year 1987 Record of Decisions, (OSWER Directive 9355.0-21), July 24, 1987.
62. Memorandum from Francis S. Blake, General Counsel, to J. Winston Porter, Assistant Administrator for Solid Waste and Emergency Response, July 31, 1987 (discussing the scope of the CERCLA petroleum exclusion under sections 101 (14) and 104 (a) (2)).
63. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Alternate Concentration Limits Guidance (OSWER Directive 9481.00-6C, EPA/530-SW-87-017), July 1987.
64. Memorandum from Henry L. Longest, U.S. Environmental Protection Agency Office of Emergency and Remedial Response and Gene Lucero, U.S. Environmental Protection Agency Office of Waste Programs Enforcement to Waste Management Division Directors, Regions I-X and Environmental Services Division Directors, Regions I, VI, and VII, August 11, 1987, (discussing land disposal restrictions).
65. Record of Decision, Davis Liquid Waste, Smithfield, Rhode Island, EPA Region I, Boston, Massachusetts, September 29, 1987.
66. U.S. Environmental Protection Agency. Center for Environmental Research Information. A Compendium of Technologies Used in the Treatment of Hazardous Waste (EPA/625/8-87/014), September 1987.
67. U.S. Environmental Protection Agency. Office of Research and Development and Office of Solid Waste and Emergency Response. Remedial Action Costing Procedures Manual, October 1987.
68. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Public Involvement in the Superfund Program (WH/FS-87-004R), Fall 1987.
69. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund (WH/FS-87-001R), Fall 1987.
70. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. The Superfund Remedial Program (WH/FS-87-002R), Fall 1987.

71. Memorandum from J. Winston Porter, U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response to Regional Administrators, Region I-X (OSWER Directive 9834.11), November 13, 1987 (discussing revised procedures for implementing off-site response actions) with attached "Revised Procedures for Implementing Off-Site Response Actions."
72. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Draft Guidance on CERCLA Compliance with Other Laws Manual (OSWER Directive 9234.1-01), November 25, 1987.
73. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Draft Guidance on CERCLA Compliance with Other Laws Manual (OSWER Directive 9234.1-01), August 8, 1988.
74. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. A Compendium of Superfund Field Operations Methods (OSWER Directive 9355.0-14), December 1987.
75. "Estimated Soil Ingestion Rates for Use in Risk Assessment." Risk Analysis (Vol. 7, No. 3), 1987.
76. U.S. Environmental Protection Agency. Hazardous Evaluation Division. Laboratory Data Validation Functional Guidelines for Evaluating Organics, February 1, 1988.
77. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response and Office of Research and Development. The Superfund Innovative Technology Evaluation Program: Progress and Accomplishments (EPA/540/5-88/001), February 1988.
78. Record of Decision, Keefe, Epping, New Hampshire, EPA Region I. Boston, Massachusetts, March 21, 1988.
79. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Draft Guidance on Conducting Remedial Investigations and Feasibility Studies under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act), March 1988.
80. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Interim Final Guidance on Conducting Remedial Investigations and Feasibility Studies under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act), October 1988.
81. Memorandum from Henry L. Longest, U.S. Environmental Protection Agency Office of Emergency and Remedial Response to Directors, Waste Management Division, Regions I, IV, V, and VI; Director, Emergency and Remedial Response Division, Region II; Directors, Hazardous Waste Management Division, Regions III and X; Directors, Toxics and Waste Management Division, Region IX; Director, Environmental Services Division, Regions I-X (OSWER Directive 9355.0-05), April 25, 1988 (discussing RI/FS improvements follow-up).
82. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Draft Guidance on Remedial Actions for Contaminated Ground Water at Superfund Sites (OSWER Directive 9283.1-2), April 1988.
83. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund Exposure Assessment Manual (EPA/540/1-88/001, OSWER Directive 9285.5-1), April 1988.

84. Memorandum from J. Winston Porter, U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response to Regional Administrators, Regions I-X; Regional Counsel, Regions I-X; Director, Waste Management Division, Regions I, IV, V, VII, and VIII; Director, Emergency and Remedial Response Division, Region II; Director, Hazardous Waste Management Division, Regions III and VI; Director, Toxics and Waste Management Division, Region IX; and Director, Hazardous and Waste Division, Region X (OSWER Directive 9835.1a), May 16, 1988 (discussing interim guidance of potentially responsible party participation in remedial investigations and feasibility studies).
85. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Community Relations in Superfund: A Handbook (Interim Version) (EPA/540/G-88/002, OSWER Directive 9230.0-3A), June 1988.
86. U.S. Environmental Protection Agency. Hazardous Site Evaluation Division. Laboratory Data Validation Functional Guidelines for Evaluating Inorganics, July 1, 1988.
87. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Catalog of Superfund Program Directives (Interim Version) (OSWER Directive 9200.7-01), July 1988.
88. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) Compliance with Other Laws Manual (EPA/540/G-89/006, OSWER Directive 9234.1-01), August 1988.
89. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Technology Screening Guide for Treatment of CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) Soils and Sludges (EPA 540/2-88/004), September 1988.
90. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Field Screening Methods Catalog: User's Guide (EPA/540/2-88/005), September 1988.
91. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) (Interim Final) (EPA/540/G-89/004, OSWER Directive 9355.3-01), October 1988.
92. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Community Relations in Superfund: A Handbook (Interim Version), Chapter 6 (OSWER Directive 9230.0-3B), November 3, 1988.
93. Memorandum from Don. R. Clay, Assistant Administrator, U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response to Waste Management Division Directors, Regions I-X and Regional Counsel, Regions I-X (OSWER Directive 9234.1-06), December 27, 1988 (discussing applicability of land disposal restrictions to RCRA and CERCLA ground water treatment reinjection; Superfund management review: recommendation No. 26).
94. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Guidance on Remedial Actions for Contaminated Ground Water at Superfund Sites (EPA/540/G-88/003, OSWER Directive 9283.1-2), December 1988.
95. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. User's Guide to the Contract Laboratory Program (OSWER Directive 9240.0-1), December 1988.

96. Interagency Cooperative Publication. Federal Manual for Identifying and Delineating Jurisdictional Wetlands, January 1989.
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