

Superfund Records Center

SITE: Western Sand & Gravel

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Western Sand and Gravel
NPL Site Administrative Record
Index

ROD Signed: September 28, 1984

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 first Record of Decision signed September 28, 1984 (Operable Unit I - Temporary Domestic Well Treatment and Permanent Alternate Water Supply) for the Western Sand And Gravel 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 Burrillville Town Hall, 70 Main Street, Harrisville, Rhode Island 02830. 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

Western Sand and Gravel NPL Site

**(Temporary Domestic Well Treatment
and Permanent Alternate Water Supply - Operable Unit I)**

1.0 Pre-Remedial

1.2 Preliminary Assessment

1. "Potential Hazardous Waste Site-Identification and Preliminary Assessment," Form, EPA Region I (November 30, 1979).
2. "Potential Hazardous Waste Site-Identification and Preliminary Assessment - Douglas Pike," Form, EPA Region I (November 30, 1979).
3. Memorandum from Robert A. O'Meara, EPA Region I to Gerald Levy, EPA Region I (January 15, 1980). Concerning the Preliminary Assessment/Site Inspection Report with attached maps and Administrative Order from the State of Rhode Island Department of Environmental Management.
4. "Hazardous Waste Site Investigation: Summary Log-Field Activities," EPA Headquarters and Region I (February 19, 1980 - March 4, 1980) with attached "Well Sampling," State of Rhode Island Department of Environmental Management (March 5, 1980).
5. Memorandum from Moira Lataille and Richard Siscanaw, EPA Region I to Edward L. Taylor, EPA Region I (February 21, 1980). Concerning preliminary report for purgeable organic analysis done on surface and lagoon samples.
6. "Potential Hazardous Waste Site-Identification and Preliminary Assessment," Form, EPA Region I (May 28, 1980).

1.3 Site Inspection

1. "Potential Hazardous Waste-Site Inspection Report," Form, EPA Region I (December 21, 1979).
2. "Potential Hazardous Waste-Site Inspection Report," Form, EPA Region I (May 28, 1980).

1.13 FIT Related Correspondence

1. "Proposal-Electromagnetic Conductivity Survey," TECHNOS Inc. for NUS Corporation (February 1983).

1.18 FIT Technical Direction Documents (TDDs) and Associated Records

1. Memorandum from Mark E. Brickell, NUS Corporation to J. Elliott Thomas Jr., EPA Region I (May 24, 1983). Concerning the electromagnetic and electrical resistivity geophysical information for the site with attached "Delineation of a Contaminant Plume at the Western Sand and Gravel Disposal Site," TECHNOS Inc. for NUS Corporation (May 1983).
2. "Draft-Preliminary Cost Estimate for Alternate Remedial Pump and Treat Option," NUS Corporation (June 1984).

1.18 FIT Technical Direction Documents (TDDs) and Associated Records (cont'd.)

The records cited in entries 3-7 are oversized documents and may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

3. Location and Elevation Plan, TECHNOS, Inc., (April 21, 1983).
4. Resistivity Sounding Locations and Geoelectric Models, TECHNOS, Inc., (May 1983).
5. Shallow Electromagnetic Conductivity Data, TECHNOS, Inc., (May 1983).
6. Intermediate Electromagnetic Conductivity Data, TECHNOS, Inc., (May 1983).
7. Deep Electromagnetic Conductivity Data, TECHNOS, Inc., (May 1983).

2.0 Removal Response

2.1 Correspondence

1. Memorandum from A. Charles Lincoln, EPA Region I to Merrill S. Hohman, EPA Region I (May 1, 1979). Concerning state activities regarding the site and a joint town meeting scheduled for May 1, 1979.
2. Memorandum from Dennis A. Huebner, EPA Region I to Ed Conley, EPA Region I (April 22, 1980). Concerning the implications of chemical stabilization of chemical lagoons with attached:
 - A. Telephone Notes Between Dennis A. Huebner, EPA Region I and J. Quinn, State of Rhode Island Department of Environmental Management (March 27, 1980). Concerning potential hazard of chemfixed material.
 - B. Telephone Notes Between W. Torrey, EPA Region I and Bob Landreth, EPA Office of Research and Development (March 31, 1980). Concerning a project on fixation of organic substances.
 - C. "Survey of Solidification/Stabilization Technology for Hazardous Industrial Wastes," U.S. Army Engineer Waterways Experiment Station (July 1979).
 - D. Telephone Notes Between W. Torrey, EPA Region I and Jay Johnson, J. B. F. Scientific Corporation (March 31, 1980). Concerning chemical fixation.
 - E. Memorandum from Dennis Gagne, EPA Region I to Dennis A. Huebner, EPA Region I (April 4, 1980). Concerning a review of the general geology of the area.
 - F. Memorandum from William F. Sarro, EPA Region I to William R. Adams, EPA Region I (April 1, 1980). Concerning disposal options for PCBs.
 - G. "Polychlorinated Biphenyls Approved PCB Disposal Facilities," Federal Register (November 21, 1979).

2.3 Sampling and Analysis Data

1. "Final Report: Organic Analysis of Western Sand and Gravel Hazardous Waste Site Samples," GCA Corporation (April 1980).
2. "Final Report: Organic Analysis of Water Samples," GCA Corporation (July 7, 1980).

2.4 Pollution Reports (POLREPs)

1. POLREP 1, EPA Region I (February 5, 1980).
2. POLREP 2, EPA Region I (February 22, 1980).
3. POLREP 3, EPA Region I (March 3, 1980).
4. POLREP 4, EPA Region I (March 6, 1980).
5. POLREP 5, EPA Region I (March 14, 1980).
6. POLREP 6, EPA Region I (April 1, 1980).
7. POLREP 7, EPA Region I (April 7, 1980).
8. POLREP 8, EPA Region I (April 11, 1980).
9. POLREP 9, EPA Region I (April 21, 1980).
10. POLREP 10, EPA Region I (May 8, 1980).
11. POLREP 11, EPA Region I (June 25, 1980).
12. POLREP 12, EPA Region I (July 25, 1980).
13. POLREP 12 and Final, EPA Region I (September 15, 1980).

3.0 Remedial Investigation (RI)

3.1 Correspondence

Arthur D. Little, Inc.

1. Telephone Notes Between Christine J. Spadafor, EPA Region I and Lawrence J. Partridge, Arthur D. Little, Inc. (September 15, 1983). Concerning an update of activities at the site.
2. Letter from Lawrence J. Partridge, Arthur D. Little, Inc. to Christine J. Spadafor, EPA Region I (January 3, 1984). Concerning transmittal of Draft Remedial Investigation/Feasibility Study.
3. Telephone Notes between Christine J. Spadafor, EPA Region I and Lawrence J. Partridge, Arthur D. Little, Inc. (February 16, 1984). Concerning items to be discussed at the next town council meeting.

EPA Region I

4. Memorandum from Georgi A. Jones, U.S. Department of Health and Human Services Public Health Service Centers for Disease Control to John Figler, EPA Region I (February 15, 1984). Concerning evaluation of human health risks associated with consumption of water near the site.
5. Telephone Notes Between Christine J. Spadafor, EPA Region I to Raymond L. Belisle, Western Sand and Gravel Coordinating Committee (April 11, 1984). Concerning community maintenance of alternate water system.
6. Memorandum from Christine J. Spadafor, EPA Region I to File (May 10, 1984). Concerning location of alternate water supply.

Environmental Resource Associates

7. Letter from Philip P. Virgadamo, Environmental Resource Associates, Inc. to Christine J. Spadafor, EPA Region I (April 9, 1984). Concerning transmittal of attached information on water supply systems studied for the site.

3.1 Correspondence (cont'd.)

Rhode Island Department of Environmental Management

8. Telephone Notes between Christine J. Spadafor, EPA Region I and John P. Hartley, State of Rhode Island Department of Environmental Management (October 7, 1983). Concerning the Remedial Investigation/Feasibility Study and the recirculation system.
9. Telephone Notes between Christine J. Spadafor, EPA Region I and John P. Hartley, State of Rhode Island Department of Environmental Management (November 28, 1983). Concerning a meeting about the Remedial Investigation/Feasibility Study.
10. Telephone Notes between Christine J. Spadafor, EPA Region I and John P. Hartley, State of Rhode Island Department of Environmental Management (December 22, 1983). Concerning a meeting to be held on February 7, 1984.
11. Telephone Notes between Christine J. Spadafor, EPA Region I and John P. Hartley, State of Rhode Island Department of Environmental Management (January 3, 1984). Concerning receipt of the Remedial Investigation/Feasibility Study and the public meeting scheduled for January 19, 1984.
12. Letter from Howard M. Cohen, Office of Legal Services, State of Rhode Island Department of Environmental Management to William Walsh-Rogalski, EPA Region I (January 12, 1984). Concerning alternatives for future cleanup with attached copy of Rhode Island General Law Section 46-12-5(a).
13. Letter from Barry Muller, State of Rhode Island Department of Environmental Management to Merrill S. Hohman, EPA Region I (August 24, 1984). Concerning the recommendation that two additional lots be included in the affected area defined by the Remedial Investigation/Feasibility Study.

3.2 Sampling and Analysis Data

1. Memorandum from Daniel S. Granz, EPA Region I to J. Elliott Thomas Jr., EPA Region I (January 6, 1983). Concerning groundwater conductivity measurements.
2. List of Volatile Compounds (ppm) Data. Concerning analysis of former Chemical Pits 3 and 4, now the recirculation system area.

3.3 Scopes of Work

1. Contract between Rhode Island Department of Environmental Management and Arthur D. Little, Inc. (June 1983) with attached Scope of Services for the Remedial Investigation and Feasibility Study.

3.4 Interim Deliverables

1. "Bedrock Water Contamination Study," Goldberg-Zoino and Associates, Inc. for State of Rhode Island Department of Environmental Management (June 1981).
2. "Western Sand and Gravel Test Pit Explorations," Goldberg-Zoino and Associates, Inc. for State of Rhode Island Department of Environmental Management (June 1981).

3.5 Applicable or Relevant and Appropriate Requirements (ARARs)

1. Memorandum from John P. Hartley, State of Rhode Island Department of Environmental Management to Christine M. Spadafor, EPA Region I with attached "Rules and Regulations Pertaining to Public Drinking Water (R46-13-DWS)," State of Rhode Island (January 1983).
2. "Health Advisories: Summary," EPA Region I for Western Sand and Gravel.

3.6 Remedial Investigation (RI) Reports

Comments on the Remedial Investigation received by EPA Region I during the formal public comment period are filed and cited in 5.3 Responsiveness Summaries.

1. "Draft Report: Site Characterization and Feasibility Study," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (October 5, 1983).
2. "Draft Report: Remedial Investigation/Feasibility Study," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (January 31, 1984).
3. "Final Report: Remedial Investigation/Feasibility Study for Western Sand and Gravel Site - Volume I," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (May 22, 1984).
4. "Final Report: Remedial Investigation/Feasibility Study for Western Sand and Gravel Site - Volume II-Technical Appendices," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (May 22, 1984).
5. "Addenda to the Western Sand and Gravel RI/FS," Goldberg-Zoino and Associates, Inc. for Rhode Island Department of Environmental Management (April 1984).

3.7 Work Plans and Progress Reports

1. Letter from Alan R. Brodd, State of Rhode Island Department of Environmental Management to J. Elliott Thomas Jr., EPA Region I (March 9, 1983). Concerning the attached Work Plan, State of Rhode Island Department of Environmental Management.
2. "Progress Report 1 for Western Sand and Gravel," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (July 15, 1983).
3. "Progress Report 2 for Western Sand and Gravel," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (August 23, 1983).

4.0 Feasibility Study

4.1 Correspondence

1. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Susan Santos, EPA Region I (July 6, 1984). Concerning information on a potential drinking water source for residents living in the affected area near the site.

4.3 Scopes of Work

1. Cross Reference: Contract between Rhode Island Department of Environmental Management and Arthur D. Little, Inc. (June 1983) with attached Scope of Services for the Remedial Investigation and Feasibility Study [Filed and cited as entry number 1 in 3.3 Scopes of Work].

4.4 Interim Deliverables

The records cited in entry numbers 1-7 may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

1. Geohydrological and Treatment Feasibility Studies, Exploration Location Plan, Goldberg-Zoino and Associates, Inc. (April 1980).
2. Geohydrological and Treatment Feasibility Studies, Bedrock Contours, Goldberg-Zoino and Associates, Inc. (April 1980).
3. Geohydrological and Treatment Feasibility Studies, Groundwater Contours, Goldberg-Zoino and Associates, Inc. (April 1980).
4. Geohydrological and Treatment Feasibility Studies, Groundwater Contamination Levels, Goldberg-Zoino and Associates, Inc. (April 1980).
5. Geohydrological and Treatment Feasibility Studies, Subsurface Profile, A-A', Goldberg-Zoino and Associates, Inc. (November 1980).
6. Geohydrological and Treatment Feasibility Studies, Block Flow Diagram, Goldberg-Zoino and Associates, Inc. (November 1980).
7. Geohydrological and Treatment Feasibility Studies, On-Site Demonstration Equipment, Goldberg-Zoino and Associates, Inc. (November 1980).
8. "Western Sand and Gravel Geohydrological and Treatment Feasibility Studies: Volume I," Goldberg-Zoino and Associates, Inc. for State of Rhode Island Department of Environmental Management (December 1980).
9. "Western Sand and Gravel Geohydrological and Treatment Feasibility Studies: Volume II," Goldberg-Zoino and Associates, Inc. for State of Rhode Island Department of Environmental Management (December 1980).

4.6 Feasibility Study (FS) Report

Comments on the Feasibility Study received by EPA Region I during the formal public comment period are filed and cited in 5.3 Responsiveness Summaries.

1. Cross Reference: "Draft Report: Site Characterization and Feasibility Study," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (October 5, 1983) [Filed and cited as entry number 1 in 3.6 Remedial Investigation (RI) Reports].
2. Cross Reference: "Draft Report: Remedial Investigation/Feasibility Study," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (January 31, 1984) [Filed and cited as entry number 2 in 3.6 Remedial Investigation (RI) Reports].
3. Cross Reference: "Final Report: Remedial Investigation/Feasibility Study for Western Sand and Gravel Site - Volume I," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (May 22, 1984) [Filed and Cited as entry number 3 in 3.6 Remedial Investigation (RI) Reports].
4. Cross Reference: "Final Report: Remedial Investigation and Feasibility Study for Western Sand and Gravel Site - Volume II-Technical Appendices," Arthur D. Little, Inc. for Rhode Island Department of Environmental Management (May 22, 1984) [Filed and Cited as entry number 4 in 3.6 Remedial Investigation (RI) Reports].
5. Cross Reference: "Addenda to the Western Sand and Gravel RI/FS," Goldberg-Zoino and Associates, Inc. for Rhode Island Department of Environmental Management (April 1984) [Filed and Cited as entry number 5 in 3.6 Remedial Investigation (RI) Reports].

5.0 Record of Decision

5.1 Correspondence

1. Letter from Gregory L. Benik, Hinkley and Allen (Attorney for PRP Steering Committee) to Merrill S. Hohman, EPA Region I (January 24, 1984). Concerning a request that the public hearing date be moved back to allow time for generators to review the Remedial Investigation/Feasibility Study.
2. Letter from William P. Robinson III, Edwards and Angell, (Attorney for Imperial Manufacturing Company, Inc.) to Merrill S. Hohman, EPA Region I (February 6, 1984). Concerning projected date of follow-up public meeting.
3. Memorandum from Christine J. Spadafor, EPA Region I to John P. Hartley, State of Rhode Island Department of Environmental Management (March 12, 1984). Concerning filing of public comments.

5.3 Responsiveness Summaries

1. Cross Reference: Responsiveness Summary is Appendix A of the Record of Decision [Filed and cited as entry number 1 in 5.4 Record of Decision (ROD)].

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

2. Letter from Ethel M. Halsey, Protect Our Water to John P. Hartley, State of Rhode Island Department of Environmental Management (February 5, 1984). Concerning review of events at recent town meeting with attached:
 - A. Letter from W. Edward Wood, State of Rhode Island Department of Environmental Management to Norman Mainville, Burrillville Town Clerk (November 12, 1980). Concerning announcement of major ground water treatment project at the site by the State of Rhode Island Department of Environmental Management.
 - B. Letter from W. Edward Wood, State of Rhode Island Department of Environmental Management to Norman Mainville, Burrillville Town Clerk (May 5, 1982). Concerning details of the recirculation project.
3. Letter from Ethel M. Halsey, Western Sand and Gravel Coordinating Committee to Christine J. Spadafor, EPA Region I (February 14, 1984). Concerning damage to land near the site.
4. Letter from the Western Sand and Gravel Coordinating Committee to Christine J. Spadafor, EPA Region I (February 23, 1984). Concerning requests for a meeting with EPA Region I, State of Rhode Island Department of Environmental Management and Arthur D. Little, Inc. and an extension for written comments from the public with attached:
 - A. "Recommendations of the Coordinating Committee for Remedial Action Solutions to the Public Health and Environmental Risks Associated with the Western Sand and Gravel Site."
 - B. "On-site Groundwater Treatment," Ethel M. Halsey, Western Sand and Gravel Coordinating Committee.
 - C. "Point of Use Treatment," Ethel M. Halsey, Western Sand and Gravel Coordinating Committee.
 - D. "Continuation and Expansion of the Groundwater Recirculation System at Western Sand and Gravel," James J. Hagerty, Western Sand and Gravel Coordinating Committee.
 - E. "Removal of Sludge and Contaminated Soil," Muriel Halloran.
 - F. "Long-term Monitoring," Betty and Carlo Mencucci, Western Sand and Gravel Coordinating Committee.
5. Letter from Joseph E. Mousseau to EPA Region I (February 23, 1984). Concerning possible alternatives for remedial action.

5.3 Responsiveness Summaries (cont'd.)

6. Letter from Kenneth M. Bianchi, North Smithfield Town Council to Christine J. Spadafor, EPA Region I (February 24, 1984). Concerning the Town Council's endorsement of the recommendations of the Western Sand and Gravel Coordinating Committee.
7. Letter from Yvette M. Trahan to Christine J. Spadafor, EPA Region I (February 25, 1984). Concerning a request for the complete removal of all toxic material from the site.
8. Comments Dated February 27, 1984 from John P. Hartley, State of Rhode Island Department of Environmental Management on the January 31, 1984 "Remedial Investigation/Feasibility Study," Arthur D. Little, Inc.
9. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Christine J. Spadafor, EPA Region I (February 27, 1984). Concerning the documentation of verbal comments from residents of Burrillville, Rhode Island.
10. Letter from Barry W. Muller, State of Rhode Island Department of Environmental Management to John R. Moebes, EPA Region I (February 28, 1984). Concerning transmittal of comments on the January 31, 1984 "Remedial Investigation/Feasibility Study," Arthur D. Little, Inc.
11. Letter from Norman Mainville, Burrillville Town Clerk to Christine J. Spadafor, EPA Region I (February 28, 1984). Concerning Town Council support for the recommendations of the Western Sand and Gravel Coordinating Committee.
12. Comments Dated February 29, 1984 from Elizabeth M. DePedro on the January 31, 1984 "Remedial Investigation/Feasibility Study," Arthur D. Little, Inc.
13. Comments Dated March 1, 1984 from Betty Mencucci, Western Sand and Gravel Coordinating Committee on the January 31, 1984 "Draft Report: Remedial Investigation/Feasibility Study," Arthur D. Little, Inc.
14. Letter from Robert J. Woods, Town of Burrillville to Christine J. Spadafor, EPA Region I (March 1, 1984). Concerning his endorsement of the recommendations of the Western Sand and Gravel Coordinating Committee.
15. Comments Dated March 2, 1984 from Alan R. Brodd on the January 31, 1984 "Remedial Investigation/Feasibility Study," Arthur D. Little, Inc.
16. Letter from Roland L. Huguenin, Mohegan Water & Sewer Association to Christine J. Spadafor, EPA Region I (March 2, 1984). Concerning his endorsement of the recommendations of the Western Sand and Gravel Coordinating Committee.
17. Comments Dated March 3, 1984 from Raymond L. Belisle, Western Sand and Gravel Coordinating Committee on the January 31, 1984 "Remedial Investigation/Feasibility Study," Arthur D. Little, Inc.
18. Letter from Robert E. Smith to Christine J. Spadafor, EPA Region I (March 4, 1984). Concerning a possible alternate water source for the area near the site.
19. Letter from Carol M. Drainville, North Smithfield Conservation Commission to Christine J. Spadafor, EPA Region I (March 4, 1984). Concerning the Commission's endorsement of the recommendations of the Western Sand and Gravel Coordinating Committee.
20. Comments Dated March 4, 1984 from Ethel M. Halsey, Western Sand and Gravel Coordinating Committee on the January 31, 1984 "Remedial Investigation/Feasibility Study," Arthur D. Little, Inc.
21. Letter from Robert L. Huguenin, Mohegan Water & Sewer Association to Christine J. Spadafor, EPA Region I (March 6, 1984). Concerning his endorsement of the recommendations of the Western Sand and Gravel Coordinating Committee.

5.3 Responsiveness Summaries (cont'd.)

22. Letter from Elizabeth M. Cesario, Member of State of Rhode Island Senate to Christine J. Spadafor, EPA Region I (March 7, 1984) with attached "Recommendations of the Coordinating Committee for Remedial Action Solutions to the Public Health and Environmental Risks Associated with the Western Sand and Gravel Site," presented at the public meeting on February 23, 1984. Concerning support for the recommendations.
23. Comments Dated March 7, 1984 from Gregory L. Benik, Hinckley & Allen (Attorney for Philip A. Hunt Chemical Corporation) on the January 31, 1984 "Remedial Investigation/Feasibility Study," Arthur D. Little, Inc.
24. Letter from Ethel M. Halsey, Western Sand and Gravel Coordinating Committee to EPA Region I (March 7, 1984). Concerning questions on the January 31, 1984 "Remedial Investigation/Feasibility Study," Arthur D. Little, Inc.
25. Letter from Kevin Iskierski to Christine J. Spadafor, EPA Region I (March 14, 1984). Concerning a request for the removal of all hazardous waste from the site.

5.4 Record of Decision

1. Record of Decision, EPA Region I (September 28, 1984) with attached Appendix A: Community Relations Responsiveness Summary.

9.0 State Coordination

9.1 Correspondence

1. Letter from Walter C. Barber, EPA Region I to J. Joseph Garrahy, Governor of the State of Rhode Island (April 30, 1981) with attached "Letter of Assurance," Walter C. Barber, EPA Region I (April 30, 1981). Concerning possible eligibility of cost sharing responsibilities.
2. Letter from Leslie Carothers, EPA Region I to W. Edward Wood, State of Rhode Island Department of Environmental Management (February 3, 1982). Concerning Superfund policy concerning groundwater contamination and remedial steps associated with groundwater treatment.
3. Letter from Leslie Carothers, EPA Region I to W. Edward Wood, State of Rhode Island Department of Environmental Management (February 4, 1982). Concerning EPA recommendations on the Western Sand and Gravel Site.
4. Letter from W. Edward Wood, State of Rhode Island Department of Environmental Management to Norman Mainville, Burrillville Town Clerk (May 5, 1982). Concerning state and EPA progress at the site.
5. Letter from Thomas E. Wright, State of Rhode Island Department of Environmental Management to Merrill S. Hohman, EPA Region I (May 5, 1982) with attached Letter from Norman Mainville, Burrillville Town Clerk to W. Edward Wood, State of Rhode Island Department of Environmental Management (April 29, 1982). Concerning a demand that the action promised to the Town Council regarding the site be implemented.
6. Letter from Alan R. Brodd, State of Rhode Island Department of Environmental Management to Ethel M. Halsey (July 23, 1982). Concerning an update on the progress of decontamination of groundwater near the site.
7. Letter from Robert L. Bendik Jr., State of Rhode Island Department of Environmental Management to Lester A. Sutton, EPA Region I (December 10, 1982). Concerning a request for immediate remedial action at the site.

9.1 Correspondence (cont'd.)

8. Memorandum from EPA Region I to File (February 9, 1983). Concerning the testing schedule for the site.
9. Letter from Joan Clark, EPA Region I to W. Edward Wood, State of Rhode Island Department of Environmental Management (February 28, 1983). Concerning an explanation of final reports needed to close out the project.

13.0 Community Relations

13.1 Correspondence

1. Letter from EPA Region I to Daniel Halloran (March 9, 1979). Concerning actions taken by the EPA since receipt of Mr. Halloran's complaint.
2. Letter from Elizabeth M. Cesario, North Smithfield Town Council to Robert O'Meara, EPA Region I (January 30, 1980) with attached Letter from Elizabeth M. Cesario, North Smithfield Town Council to J. Joseph Garrahy, Governor of the State of Rhode Island (January 30, 1980). Concerning a request for increased state involvement at the site.
3. Letter from Ethel M. Halsey, Carol Drainville, and Muriel Halloran, Protect Our Water to J. Joseph Garrahy, Governor of the State of Rhode Island (February 3, 1980). Concerning a request for immediate chemical testing of private wells of area residents and a complete assessment of the site property with attached Letter from Arthur Denomme, North Smithfield Administrator to Frederick A. Siino, U.S. Department of Health and Human Services (June 5, 1979). Concerning the testing of wells in North Smithfield.
4. Letter from Norman Mainville, Burrillville Town Clerk to William A. Adams, EPA Region I (February 28, 1980). Concerning a request that the EPA make a complete and comprehensive assessment of the Western Sand and Gravel site with attached Letter from North Smithfield Town Council to Dennis A. Heubner, EPA Region I (April 25, 1979). Concerning a request for the necessary forms to apply for the Technical Assistance Program.
5. Letter from Merrill S. Hohman, EPA Region I to Norman Mainville, Burrillville Town Clerk (March 25, 1980). Concerning the March 6, 1980 Town Council Meeting.
6. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Ethel M. Halsey, Protect Our Water (November 23, 1983). Concerning an update on state and EPA activities at the site with attached Progress Report, State of Rhode Island Department of Environmental Management (July - September 1983).
7. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Robert Woods (December 14, 1983). Concerning progress on the Remedial Investigation/Feasibility Study.
8. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Ethel M. Halsey, Protect Our Water (December 28, 1983). Concerning progress on the cleanup, the Remedial Investigation/Feasibility Study, and installation of a new pumping well at the site.
9. Letter from Christine J. Spadafor, EPA Region I to Ethel M. Halsey, Protect Our Water (February 14, 1984). Concerning assistance in structuring public comments on the Remedial Investigation/Feasibility Study.
10. Letter from Christine J. Spadafor, EPA Region I to Ethel M. Halsey, Protect Our Water (February 16, 1984). Concerning requested sections of the RI/FS.
11. Memorandum from Christine J. Spadafor, EPA Region I to Ethel M. Halsey, Protect Our Water (February 24, 1984). Concerning requested sections of the Remedial Investigation/Feasibility Study.
12. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Ethel M. Halsey, Protect Our Water (February 27, 1984). Concerning follow-up for the February 23, 1984 public meeting.

13.1 Correspondence (cont'd.)

13. Memorandum from Christine J. Spadafor, EPA Region I to Ethel M. Halsey, Protect Our Water (February 29, 1984). Concerning follow-up for the February 23, 1984 public meeting.
14. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Arthur Denomme, North Smithfield Administrator (February 29, 1984). Concerning timetable for public comments and the Record of Decision.
15. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Ethel M. Halsey, Protect Our Water (April 20, 1984). Concerning the status of the RI/FS and other site activities.
16. Letter from Marian S. Feeney, University of Rhode Island Cooperative Extension to T. Kevin O'Connor (July 11, 1984). Concerning the attached "Rural Water System-Burrillville," (July 1984) report.
17. Memorandum from Ethel M. Halsey to Susan Santos, EPA Region I (July 16, 1984). Concerning the attached:
 - A. Letter from Alfred T. Blomquist Jr., Philip A. Hunt Chemical Corporation to Ethel M. Halsey (July 13, 1984). Concerning free installation of charcoal water filters in private homes.
 - B. Culligan Water Filters Brochure (May 1983).

13.2 Community Relations Plans

1. Letter from Alan R. Brodd, State of Rhode Island Department of Environmental Management to J. Elliott Thomas Jr., EPA Region I (September 17, 1982). Concerning the attached "Community Relations Plan for CERCLA in Burrillville, Rhode Island," State of Rhode Island Department of Environmental Management.

13.3 News Clippings/Press Releases

News Clippings

1. "Hazardous Taint Found in Six Wells," The Providence Journal - Providence, Rhode Island (October 24, 1979).
2. "Plan Approved to Shut, Police Old Dump Site," The Providence Journal - Providence, Rhode Island (November 1, 1979).
3. "Burrillville Council Supports POW Dump Closing Program," The Woonsocket Call - Woonsocket, Rhode Island (November 1, 1979).
4. "Plan to Cover Dump Wastes Hit," The Woonsocket Call - Woonsocket, Rhode Island (November 20, 1979).
5. "Two Town Councils Form Panel to Study Landfill," The Woonsocket Call - Woonsocket, Rhode Island (November 27, 1979).
6. "POW Makes New Proposal," The Woonsocket Call - Woonsocket, Rhode Island (December 11, 1979).
7. "DEM Tests Disclose Off Site Pollution From Western Sand and Gravel," The North Smithfield-Burrillville Observer - Slatersville, Rhode Island (January 31, 1980).
8. "Fears and Doubts Poison the Lives of Dump's Neighbors," The Providence Journal - Providence, Rhode Island (February 10, 1980).
9. "Judge Gives Rhode Island OK to Remove Sludge," The Providence Journal - Providence, Rhode Island (February 14, 1980).
10. "State Wins Court OK to Pump Out Wastes in Landfill Pits," The Evening Bulletin - Providence, Rhode Island (February 21, 1980).
11. "Funds Sought for Waste Removal," The Providence Journal - Providence, Rhode Island (March 10, 1980).

13.3 News Clippings/Press Releases (cont'd.)

12. "Council Backs POW Pressure for Well Tests," The Woonsocket Call - Woonsocket, Rhode Island (March 27, 1980).
13. "EPA: Sludge Contains Cancer-Causing PCBs," The Providence Journal - Providence, Rhode Island (April 2, 1980).
14. "Wells in Two Towns Will Be Tested Periodically," The Journal Bulletin - Providence, Rhode Island (April 12, 1980).
15. "2 Methods Could Improve Water," The Woonsocket Call - Woonsocket, Rhode Island (April 17, 1980).
16. "Halt Urged in Dumping of Noxious Wastes," The Providence Journal - Providence, Rhode Island (August 8, 1980).
17. "Letters to the Editor: What Are the Priorities?" The North Smithfield-Burrillville Observer - Slatersville, Rhode Island (September 25, 1980).
18. "Cleansing of Water May Start by Spring," The Providence Journal - Providence, Rhode Island (November 20, 1980).
19. "Mobile 'Washing Machine' to Fight Water Pollution," The Providence Sunday Journal - Providence, Rhode Island (January 17, 1982).
20. "EPA Gives Rhode Island \$628,261 to Clean Dump Sites," The Providence Journal - Providence, Rhode Island (July 29, 1982).
21. "EPA Supplying \$628,261 for Two Cleanups in Rhode Island," The Evening Bulletin - Providence, Rhode Island (July 29, 1982) and "Funds for Dumps," The Pawtuxet Valley Daily Times - West Warwick, Rhode Island (July 29, 1982).
22. "State, Firm Are Prodded on Cleanup," The Evening Bulletin - Providence, Rhode Island (July 29, 1982).
23. "Action Urged on Pollution in Burrillville," The Providence Journal - Providence, Rhode Island (July 29, 1982).
24. "Update Expected Sept. 9 on WS&G Cleanup," The Woonsocket Call - Woonsocket, Rhode Island (August 31, 1982).
25. "No Quick Solution for Area Toxic Waste Site," The Woonsocket Call - Woonsocket, Rhode Island (September 10, 1982).
26. "Pumping Operations Halted at Western Sand, Gravel Pit," The Woonsocket Call - Woonsocket, Rhode Island (December 10, 1982).
27. "DEM Tackles New Waste at Dump," The Providence Journal - Providence, Rhode Island (December 10, 1982).
28. "WS&G Dump Shows High Chemical Levels," The Woonsocket Call - Woonsocket, Rhode Island (December 14, 1982).
29. "Dozen Toxic Chemicals Found Under Waste Dump," The Providence Journal - Providence, Rhode Island (December 14, 1982).
30. "Chemicals in Water Trigger Action," The Evening Bulletin - Providence, Rhode Island (December 15, 1982).
31. "Contaminated Water at Dump Triggers Action," The Providence Journal - Providence, Rhode Island (December 15, 1982).
32. "EPA Praises DEM's Effort to Stem Pollution at Dump," The Evening Bulletin - Providence, Rhode Island (December 17, 1982).
33. "Few Turn Out For Meeting With Chafee," The Woonsocket Call - Woonsocket, Rhode Island (December 28, 1982).
34. "Council Endorses Resolution to Retain Oakland Post Office," The Woonsocket Call - Woonsocket, Rhode Island (December 30, 1982).
35. "Dumps Stubbornly Resist Efforts to Cleanse Them," The Providence Journal - Providence, Rhode Island (January 3, 1983).
36. "Two Towns Focus on Health Hazards From Dumps," The Evening Bulletin - Providence, Rhode Island (January 3, 1983).
37. "2,400 Gallons of Deadly Oil Recovered, With No End in Sight," The Providence Journal - Providence, Rhode Island (January 14, 1983).
38. "2,400 Gallons of Toxic Oil Pumped Out -- But There Still is No End In Sight," The Evening Bulletin - Providence, Rhode Island (January 14, 1983).

13.3 News Clippings/Press Releases (cont'd.)

39. "Firm to be Named in Two Weeks to Start Waste Site Cleanup Study," The Evening Bulletin - Providence, Rhode Island (February 15, 1983).
40. "WS&G Clean-Up Study to Begin," The Evening Bulletin - Providence, Rhode Island (February 15, 1983).
41. "Firm to be Named for Waste Site Cleanup Study," The Providence Journal - Providence, Rhode Island (February 15, 1983).
42. "DEM Official Charges EPA is Responsible for Delays in Cleanup at Rhode Island Waste Sites," The Evening Bulletin - Providence, Rhode Island (February 16, 1983).
43. "DEM Official Charges EPA is Responsible for Delays in Cleanup at Rhode Island Waste Sites," The Providence Journal - Providence, Rhode Island (February 16, 1983).
44. "Florio Will Take Air Tour of Rhode Island Waste Dumps," The Warwick Beacon - Warwick, Rhode Island (February 22, 1983).
45. "'Superfund' Sponsor to Tour Rhode Island Dumps," The Evening Bulletin - Providence, Rhode Island (February 24, 1983).
46. "Contamination Study," The Saturday Times - Pawtucket, Rhode Island (April 9, 1983).
47. "Western Sand and Gravel is Site of EPA Contamination Study," The Observer - Greenville, Rhode Island (April 14, 1983).
48. "State Plans Suit to Recover Money Spent on Hazardous-Waste Dumps," The Providence Journal - Providence, Rhode Island (December 9, 1983).
49. "EPA Complaint Orders Owner of Western Sand to Supply Data," The Evening Bulletin - Providence, Rhode Island (December 29, 1983).
50. "Dump Cleanup Report Slated for Release," The Woonsocket Call - Woonsocket, Rhode Island (January 24, 1984).
51. "Consulting Firm Recommends Options for Cleaning Toxic Materials at Dump," The Evening Bulletin - Providence, Rhode Island (February 1, 1984).
52. "Letters to the Editor: 'Attend the Meetings,'" The Observer - Greenville, Rhode Island (February 2, 1984).
53. "EPA to Outline Western Sand and Gravel Cleanup," The Observer - Greenville, Rhode Island (February 2, 1984).
54. "Consultant Unveils Plan for Cleanup of Western Sand and Gravel Dump Site," The Evening Bulletin - Providence, Rhode Island (February 3, 1984).
55. "Western Sand Cleanup Plan Calls for Local Water System," The Providence Journal - Providence, Rhode Island (February 3, 1984) and "State Helpless in 70's to Halt Toxic Dumping at Western Sand Site," The Providence Journal - Providence, Rhode Island (February 6, 1984).
56. "State Couldn't Halt Dumping at Burrillville Site in Late 1970's," The Providence Journal - Providence, Rhode Island (February 6, 1984).
57. "Landfill Users, Haulers Meet With EPA Officials," The Woonsocket Call - Woonsocket, Rhode Island (February 8, 1984).
58. "Companies Confer on Ways to Clean Up Toxic Waste," The Providence Journal - Providence, Rhode Island (February 8, 1984).
59. "Firms Discuss Ways to Clean Toxic Waste," The Evening Bulletin - Providence, Rhode Island (February 8, 1984).
60. "Water Plan for 50 Houses Draws Doubt From Officials," The Providence Journal - Providence, Rhode Island (February 9, 1984).
61. "Water Plan for Burrillville Draws Doubts," The Evening Bulletin - Providence, Rhode Island (February 9, 1984).
62. "EPA Delays Cleanup Hearing," The Observer - Greenville, Rhode Island (February 16, 1984).
63. "Report Calls for Bolder Cleanup of Pollutants," The Woonsocket Call - Woonsocket, Rhode Island (February 16, 1984).
64. "Council Backs Panel's Plan to Clean Up Toxic Waste at Western Sand and Gravel," The Evening Bulletin - Providence, Rhode Island (February 17, 1984).

13.3 News Clippings/Press Releases (cont'd.)

65. "Council Backs Panel's Plan to Clean Up Toxic Waste at Western Sand and Gravel," The Providence Journal - Providence, Rhode Island (February 17, 1984).
66. "Waste Cleanup Input on Tap," The Woonsocket Call - Woonsocket, Rhode Island (February 23, 1984).
67. "Environmental Officials Agree With Citizens: Dump Report Failed to Resolve Problem," The Providence Journal - Providence, Rhode Island (February 24, 1984).
68. "Permanent Remedy to Woes at WS&G Seen Year Away," The Woonsocket Call - Woonsocket, Rhode Island (February 24, 1984).
69. "Officials Call Western Sand Dump Report Inadequate," The Evening Bulletin - Providence, Rhode Island (February 24, 1984).
70. "EPA Extends Comment Period on Hazardous Waste Cleanup," The Providence Journal - Providence, Rhode Island (February 29, 1984).
71. "EPA Extends Comment Period on Hazardous Waste Cleanup," The Evening Bulletin - Providence, Rhode Island (February 29, 1984).
72. "Caring for the Wastes Beneath RI's Soil," The Providence Sunday Journal - Providence, Rhode Island (March 4, 1984).
73. "Old Excesses Haunt Western Sand and Gravel," The Providence Sunday Journal - Providence, Rhode Island (March 4, 1984).
74. "Sewage Disposal Problem Solved by N. Smithfield," The Woonsocket Call - Woonsocket, Rhode Island (March 8, 1984).
75. "Letters to the Editor: No April Fooling," The Observer - Greenville, Rhode Island (March 29, 1984).
76. "Burrillville Refuses to Give State DEM Assurances on Drinking Water System," The Woonsocket Call - Woonsocket, Rhode Island (June 15, 1984).
77. "DEM, EPA Iron Out Final Plans For Hazardous Waste Cleanup of Western Sand and Gravel Site," The Woonsocket Call - Woonsocket, Rhode Island (July 17, 1984).
78. "Dump Abutters Offered Water Filters," The Providence Journal - Providence, Rhode Island (July 18, 1984).
79. "Hunt Chemical to Pay for Water Filters," The Observer - Greenville, Rhode Island (July 19, 1984).
80. "Talks to Clean Up Burrillville Dump Suspended Indefinitely," The Woonsocket Call - Woonsocket, Rhode Island (August 15, 1984).
81. "EPA Suspends Negotiations on Pollution in Burrillville, May Impose Cleanup Terms," The Evening Bulletin - Providence, Rhode Island (August 15, 1984).
82. "EPA Plans to Install New Water Systems For 50 Burrillville Homes," The Providence Journal - Providence, Rhode Island (September 10, 1984).
83. "EPA Vows to Install Water System For Burrillville Homes," The Woonsocket Call - Woonsocket, Rhode Island (September 10, 1984).
84. "EPA to Install New Water System to Serve Homes With Polluted Wells," The Evening Bulletin - Providence, Rhode Island (September 10, 1984).
85. "Residents Skeptical of Getting New Water System," The Evening Bulletin - Providence, Rhode Island (September 10, 1984).

Press Releases

86. "Environmental News Release," EPA Region I (April 2, 1980). Concerning the EPA and the State of Rhode Island Department of Environmental Management announcement that polychlorinated biphenyls have been discovered in material taken from an industrial waste lagoon on the site.
87. "Protect Our Water News Bulletin: Clean-Up or Cover-Up?" (June 3, 1980).
88. "Protect Our Water News Bulletin," (August 15, 1980). Concerning updates on the Western Sand and Gravel and Landfill and Resource Recovery Sites.

13.3 News Clippings/Press Releases (cont'd.)

89. "Environmental News Release," EPA Region I (April 6, 1983). Concerning a study at the site to determine the extent of chemical contamination in groundwater.
90. "Environmental News Release," EPA Region I (December 23, 1983). Concerning the EPA Region I Administrative Complaint issued to James V. Cardi Jr., Western Sand and Gravel, Inc. for violation of Federal Hazardous Waste Management laws.
91. "Environmental News Release-EPA to Hold Meetings on Western Sand and Gravel Site," EPA Region I (January 23, 1984).
92. "Environmental News Release-Public Meeting Date Change," EPA Region I (February 6, 1984).
93. "Environmental News Release-Public Comment Period Extended," EPA Region I (1984).

13.4 Public Meetings

1. EPA Region I Meeting Agenda, Public Meeting for the Western Sand and Gravel Site (February 2, 1984).
2. EPA Region I Meeting Transcript, Public Meeting for the Western Sand and Gravel Site (February 2, 1984).

The records cited in entry numbers 3-5 may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

3. Four cassette tapes of Western Sand and Gravel Public Meeting (February 2, 1984).
4. Four cassette tapes of Western Sand and Gravel Public Meeting (February 7, 1984).
5. Five cassette tapes of Western Sand and Gravel Public Meeting (February 23, 1984).

Comments

6. Comments Dated February 2, 1984 from Alberta Duffy on EPA Action regarding Western Sand and Gravel.
7. Comments Dated February 23, 1984 from Carmella M. Turcotte on the February 23, 1984 Public Hearing for the Western Sand and Gravel Site.
8. Comments Dated February 23, 1984 from Susan Mauro on the February 23, 1984 Public Hearing for the Western Sand and Gravel Site.
9. Comments Dated February 23, 1984 from Rene R. Gagne on the February 23, 1984 Public Hearing for the Western Sand and Gravel Site.
10. Comments Dated February 23, 1984 from Raymond L. Belisle on the February 23, 1984 Public Hearing for the Western Sand and Gravel Site.

14.0 Congressional Relations

14.1 Correspondence

1. Letter from Edward P. Beard, Member of the U.S. House of Representatives to William R. Adams, State of Rhode Island Department of Environmental Management (December 7, 1979). Concerning the attached:
 - A. Letter from Protect Our Water Executive Committee to W. Edward Wood, State of Rhode Island Department of Environmental Management (November 23, 1979). Concerning observations on the "Consent Order" regarding Western Sand and Gravel and State of Rhode Island Department of Environmental Management.
 - B. Letter from Norman Mainville, Burrillville Town Clerk to Edward P. Beard, Member of the U.S. House of Representatives (November 20, 1979). Concerning the attached Consent Order issued by the State of Rhode Island and a request for EPA monitoring of site-related activities.
 - C. Letter from Muriel Halloran and Elizabeth Shorrock to Edward P. Beard, Member of the U.S. House of Representatives (November 20, 1979). Concerning the Consent Agreement between The State of Rhode Island and Western Sand and Gravel.
 - D. Letter from Protect Our Water Executive Committee to Edward P. Beard, Member of the U.S. House of Representatives (November 8, 1979). Concerning questions about the site.
2. Letter from Steven G. Galabresi, Legislative Correspondent for John H. Chafee, Member of the U.S. Senate to Steven Ells, EPA Region I (January 23, 1980) with attached Letter from Arthur Denomme, North Smithfield Administrator to John H. Chafee, Member of the U.S. Senate (November 30, 1979). Concerning a request for EPA monitoring at the Western Sand and Gravel and Landfill Resource and Recovery Sites.
3. Letter from Daniel Halloran, Protect Our Water to John H. Chafee, Member of the U.S. Senate (January 24, 1980). Concerning a request for continued support to ensure EPA's involvement with the Western Sand and Gravel and Landfill Resource and Recovery Sites.
4. Letter from William Adams, EPA Region I to Edward P. Beard, Member of the U.S. House of Representatives (February 28, 1980). Concerning EPA involvement with the Western Sand and Gravel and Landfill Resource and Recovery Sites.
5. Letter from John H. Chafee, Member of the U.S. Senate to Anne M. Gorsuch, EPA Region I (December 15, 1981) with attached Letter from W. Edward Wood, State of Rhode Island Department of Environmental Management to John H. Chafee, Member of the U.S. Senate (December 1, 1981). Concerning the attached Chronology of Western Sand and Gravel and a request for special attention to the situation at the site.
6. Letter from Lester A. Sutton, EPA Region I to Claiborne Pell, Member of the U.S. Senate (January 20, 1982). Concerning an explanation of EPA involvement at the site.
7. Letter from Lester A. Sutton, EPA Region I to John H. Chafee, Member of the U.S. Senate (January 20, 1982). Concerning an explanation of EPA involvement at the site.
8. Letter from Lester A. Sutton, EPA Region I to Claudine Schneider, Member of the U.S. House of Representatives (January 20, 1982). Concerning an explanation of EPA involvement at the site.

14.1 Correspondence (cont'd.)

9. Letter from Michael A. Brown, EPA Region I to Claiborne Pell, Member of the U.S. Senate (February 23, 1983). Concerning the attached letters and delays in cleanup of the site.
 - A. Letter from Claiborne Pell, Member of the U.S. Senate to Anne M. Gorsuch, EPA Region I (January 5, 1983). Concerning a request for EPA assistance with the hazardous waste cleanup activities at the site.
 - B. Letter from Norman Mainville, Burrillville Town Clerk to Claiborne Pell, Member of the U.S. Senate (December 9, 1982). Concerning a request for representation in ending the delay of remedial action.
10. Memorandum from Claiborne Pell, Member of the U.S. Senate to EPA Headquarters (July 12, 1984). Concerning the attached:
 - A. Letter from Ethel M. Halsey, Western Sand and Gravel Coordinating Committee to Claiborne Pell, Member of the U.S. Senate (July 6, 1984). Concerning a request for continued support in convincing the EPA of the need for installing a groundwater treatment system.
 - B. Memorandum from Ethel M. Halsey, Western Sand and Gravel Coordinating Committee to Members of the Committee and other interested individuals (July 5, 1984). Concerning an explanation of the Record of Decision.
 - C. Letter from Ethel M. Halsey, Western Sand and Gravel Coordinating Committee to Members of the Committee and other interested individuals (July 5, 1984). Concerning on-site groundwater treatment.
11. Letter from Merrill S. Hohman, EPA Region I to Claudine Schneider, Member of the U.S. House of Representatives (July 31, 1984). Concerning an explanation of EPA involvement with the site.
12. Letter from Merrill S. Hohman, EPA Region I to John H. Chafee, Member of the U.S. Senate (July 31, 1984). Concerning an explanation of EPA involvement with the site.
13. Letter from Merrill S. Hohman, EPA Region I to Claiborne Pell, Member of the U.S. Senate (July 31, 1984). Concerning an explanation of EPA involvement with the site.

16.0 Natural Resource Trustee

16.1 Correspondence

1. Letter from Bruce Blanchard, United States Department of the Interior to Gene Lucero, EPA Headquarters (April 27, 1984). Concerning a preliminary natural resources survey of the site.

17.0 Site Management Records

17.4 Site Photographs/Maps

The records cited in entry numbers 1 and 2 may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

1. "Geohydrologic Map of the Branch River Basin, Rhode Island," U.S. Department of the Interior Geologic Survey (1955).
2. "Emergency Pumping Site Plan," Environmental Resource Associates, Inc. (August 5, 1982).
3. List of Homes and Lots to be Supplied Permanent Water (October 1983).

17.5 Site Descriptions/Chronologies

1. Chronology: Western Sand and Gravel, Inc., Burrillville, Rhode Island (April 1979 - September 1980).

17.7 Reference Documents

1. "Draft: Generic Site Investigation Protocol for Hazardous Waste Sites," Camp Dresser and McKee, Inc. (March 1982).

17.8 State and Local Technical Records

1. "Inspection Report," Rhode Island Department of Health (March 22, 1977).
2. "Certificate of Analysis: Field Sample of Vibratory Finishing/Floc Tank Sludge," New England Testing Laboratory, Inc. for Hedison Manufacturing Company (April 25, 1978).
3. "Field Investigation Report," State of Rhode Island Department of Environmental Management (November 9, 1979).
4. "Water Sample Submission Form," State of Rhode Island Department of Health (February 7, 1980).
5. "Preliminary Equipment Specifications: Groundwater Renovation Treatment Plant," Environmental Resource Associates, Inc. for State of Rhode Island Department of Environmental Management (June 1981).
6. "Site Well Testing Data," (February 7, 1980 - September 9, 1981).
7. "Certificate of Analysis," New England Testing Laboratory, Inc. for State of Rhode Island Department of Environmental Management (September 21, 1981).
8. "Report of Well Monitoring," Environmental Resource Associates, Inc. for State of Rhode Island Department of Environmental Management (May 1982).
9. Letter from Alan R. Brodd, State of Rhode Island Department of Environmental Management to Norman Mainville, Burrillville Town Clerk (July 23, 1982). Concerning an update on the progress of decontamination of groundwater near the site with attached Letter from Philip P. Virgadamo, Environmental Resource Associates, Inc. to Barry Muller, State of Rhode Island Department of Environmental Management (July 8, 1982). Concerning the Emergency Pumping Program for the site.
10. Letter from Alan R. Brodd, State of Rhode Island Department of Environmental Management to J. Elliott Thomas Jr., EPA Region I (July 30, 1982). Concerning the state's decision to contract Environmental Resource Associates, Inc. to perform cost effectiveness studies for the site.
11. Letter from Barry Muller, State of Rhode Island Department of Environmental Management to J. Elliott Thomas Jr., EPA Region I (August 6, 1982). Concerning the state's decision to contract Environmental Resource Associates, Inc. to perform cost effectiveness studies for the site.
12. Telephone Notes Between J. Elliott Thomas Jr., EPA Region I and Thomas Wright, State of Rhode Island Department of Environmental Management (December 6, 1982). Concerning the analysis of newly discovered sludge at the site.
13. Telephone Notes Between J. Elliott Thomas Jr., EPA Region I and Thomas Wright, State of Rhode Island Department of Environmental Management (December 7, 1982). Concerning emergency measures taken to pump out the contaminated sludge.
14. "Certificate of Analysis: Water Phase of Solvent Tank," Rhode Island Analytical Laboratories, Inc. for Environmental Resource Associates, Inc. (January 24, 1983).

17.8 State and Local Technical Records (cont'd.)

15. "Monthly Monitoring Report: Hydrodynamic Isolation System," Environmental Resource Associates, Inc. for State of Rhode Island Department of Environmental Management (February 22, 1983).
16. "Monthly Monitoring Report: Hydrodynamic Isolation System, Addendum 1 and 2," Environmental Resource Associates, Inc. for State of Rhode Island Department of Environmental Management (July 31, 1983).
17. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Christine J. Spadafor, EPA Region I (August 11, 1983). Concerning calculations regarding operation of the solvent/oil collection system at the site.
18. "Certificate of Analysis: Three Contaminated Soil Samples," Rhode Island Analytical Laboratories, Inc. for State of Rhode Island Department of Environmental Management (December 20, 1983) with attached Letter from Robert L. Hoffman, Environmental Resource Associates, Inc. to John P. Hartley, State of Rhode Island Department of Environmental Management (December 21, 1983). Concerning actions taken to contain the overflow of a solvent/oil storage tank at the site.
19. Memorandum from John P. Hartley, State of Rhode Island Department of Environmental Management to File (December 20, 1983). Concerning a chronology pertaining to the discovery and cleanup of the oil leak at the site.
20. Letter from Robert L. Hoffman, Environmental Resource Associates, Inc. to John P. Hartley, State of Rhode Island Department of Environmental Management (December 21, 1983). Concerning actions taken to contain the overflow of a solvent/oil storage tank at the site.
21. Memorandum from Jeffrey R. Gillis, Weston-Sper to Don Berger, EPA Region I (January 30, 1984). Concerning the attached "Certificate of Analysis: Three Liquid Samples," Rhode Island Analytical Laboratories, Inc. for Roy F. Weston, Inc. (January 27, 1984).
22. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Christine J. Spadafor, EPA Region I (February 27, 1984). Concerning the attached "Certificate of Analysis: Six Aqueous Samples," Rhode Island Analytical Laboratories, Inc. for State of Rhode Island Department of Environmental Management (February 21, 1984).
23. "Organic Vapor G.C. Screening for August 7, 1984," Environmental Resource Associates, Inc. for Western Sand and Gravel, Inc. (August 7, 1984).

18.0 Initial Remedial Measure (IRM) Records

18.1 Correspondence

1. Letter from Gregory L. Benik, Hinkley and Allen (Attorney for Philip A. Hunt Chemical Corporation) to William Walsh-Rogalski, EPA Region I (June 29, 1984). Concerning Philip A. Hunt Chemical Corporation's responsibilities regarding remedial action and the attached Letter from Steve Lesselyoung, Culligan USA to Warren Browne (Attorney for Philip A. Hunt Chemical Corporation) (June 20, 1984). Concerning attached brochures and specifications and suggested charcoal filter systems for use in affected residential locations.

18.2 Sampling and Analysis Data

1. Memorandum from Pi-Yun Tsai, EPA Region I to Christine J. Spadafor, EPA Region I (February 14, 1984). Concerning analysis of testing results for domestic wells near the site.
2. Memorandum from Georgi A. Jones, U.S. Department of Health and Human Services to John A. Figler, EPA Region I (February 15, 1984). Concerning preliminary review and evaluation of residential well sampling.
3. Memorandum from Pi-Yun Tsai, EPA Region I to Barbara McAllister, EPA Region I (June 21, 1984). Concerning possible adverse health effects of the contaminants at the site.
4. Memorandum from Charles D. Larson, EPA Region I to Susan Santos, EPA Region I (July 18, 1984). Concerning use of residential water treatment systems near the site.

Section II
Guidance Documents

GUIDANCE DOCUMENTS

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

General EPA Guidance Documents

1. Comprehensive Environmental Response, Compensation, and Liability Act of 1980. [C019]
2. "Final and Proposed Amendments to the National Oil and Hazardous Substances Pollution Contingency Plan," (40 CFR Part 300), September 8, 1983. [C003]
3. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Personnel Protection and Safety. [C071]
4. U.S. Environmental Protection Agency. Office of Ground-Water Protection. Ground-Water Protection Strategy, August 1984. [2403]
5. U.S. Environmental Protection Agency. Office of Research and Development. Municipal Environmental Research Laboratory. Biodegradation and Treatability of Specific Pollutants (EPA-600/9-79-034), October 1979. [C007]
6. U.S. Environmental Protection Agency. Office of Research and Development. Municipal Environmental Research Laboratory. Carbon Adsorption Isotherms for Toxic Organics (EPA-600/8-80-023), April 1980. [2301]
7. U.S. Environmental Protection Agency. Office of Research and Development. Municipal Environmental Research Laboratory. Handbook for Evaluating Remedial Action Technology Plans (EPA-600/2-83-076), August 1983. [2307]
8. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response, Office of Emergency and Remedial Response, and Office of Research and Development. Review of In-Place Treatment Techniques for Contaminated Surface Soils - Volume 1: Technical Evaluation (EPA-540/2-84-003a), September 1984. [2316]
9. U.S. Environmental Protection Agency. Office of Water and Waste Management. Evaluating Cover Systems for Solid and Hazardous Waste, 1980. [2003]