

Union Chemical Co., Inc.

Administrative Record

Index

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

With Assistance from  
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NPL Site Administrative Record**

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## Introduction

This document is the Index to the Administrative Record for the Union Chemical Co., Inc. National Priorities List (NPL) site (the "Site").

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) at Section 113(k).

The Administrative Record is established to service two primary purposes. First, the basis for the remedial response selection is set forth in the record, and judicial review of any issue concerning the adequacy of a response selection is limited to the record. Second, the Administrative Record acts as a vehicle for public participation in the selection of the remedial response action.

The Administrative Record is available for public review and comment at EPA Region I Records Center, 90 Canal Street, Boston, Massachusetts, and at the Township of Hope Town Hall, Hope, Maine.

Section I of the Index cites the site-specific documents, which are included in the Administrative Record volumes. Section II cites the guidance documents used by EPA staff in selecting a remedial response action at the Site; these documents are not included in the Administrative Record volumes located at the Township of Hope Town Hall but are available for review at EPA Region I Records Center.

Questions concerning the Administrative Record should be addressed to the EPA Region I site manager at (617) 573-5780 or through the Union Chemical Co., Inc. site "Hot Line" at (207) 785-3000.

## Section I

### Site-Specific Documents

# ADMINISTRATIVE RECORD INDEX

for the

## Union Chemical Co., Inc. NPL Site

### 1.0 Pre-Remedial

#### 1.2 Preliminary Assessment

1. "Potential Hazardous Waste Site Identification and Preliminary Assessment" Form, EPA Region I (December 4, 1979).

#### 1.3 Site Inspection

1. "Potential Hazardous Waste Site - Site Inspection Report" Form, EPA Region I (November 29, 1979).
2. "Potential Hazardous Waste Site - Site Inspection Report" Form, EPA Region I (September 20, 1984).

#### 1.6 Hazard Ranking System (HRS)

1. HRS Worksheets and Documentation, EPA Region I (January 24, 1985).
2. Letter from Linda J. Duncan, The MITRE Corporation to Susan Svirsky, EPA Region I (April 22, 1988) with the attached September 11, 1984 (revised October 8, 1986) HRS worksheets and documentation.
3. "Fact Sheet - Union Chemical Co., Inc. Superfund Site Added to National Priorities List," EPA Region I (September 1989).
4. "National Priorities List for Uncontrolled Hazardous Waste Sites - Final Rule Covering Sites Subject to the Subtitle C Corrective Action Authorities of the Resource Conservation and Recovery Act," Federal Register Vol. 54, No. 191 (October 4, 1989). Concerning the placement of the site on the National Priorities List.
5. "National Priorities List Site," EPA Region I. Concerning the removal action completed on October 8, 1984.
6. "National Priorities List Site," EPA Region I. Concerning NPL status of the site from April 1985 through August 1989.

#### 1.7 Correspondence Related to Proposal of a Site to the NPL

*The following dockets may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.*

1. National Oil and Hazardous Substances Contingency Plan; The National Priorities List Revisions, Amendment. Proposed Rule Public Docket - Update 3, 50 FR 14115 - April 10, 1985.
2. National Priorities List for Uncontrolled Hazardous Waste Sites - Sites Subject to the Subtitle C Corrective Action Authorities of the Resource Conservation and Recovery Act (RCRA). Proposed Rule Public Docket - 53 FR 23977 - June 24, 1988.
3. National Oil and Hazardous Substances Contingency Plan. The National Priorities List for Uncontrolled Hazardous Waste Sites. Final Rule Public Docket - Update 7, 54 FR 48184 - November 21, 1989.

## 2.0 Removal Response

### 2.1 Correspondence

1. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to George Powell, State of Maine Department of Environmental Protection (November 23, 1976). Concerning the processing of waste water.
2. Letter from Joseph N. DeCola, EPA Region I to Donald M. Bisset, State of Maine Department of Public Safety (December 7, 1979). Concerning potential fire hazard at the site.
3. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Richard C. Boynton, EPA Region I (December 4, 1981). Concerning information on the boiler.
4. "Union Chemical Company Drum Reduction Plan," Union Chemical Co., Inc. (May 14, 1984).
5. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Clifford H. Goodall, Dyer, Goodall and Zeegers (Attorney for Union Chemical Co., Inc.) (May 23, 1984). Concerning drum reduction plan and log of waste quantities.
6. Letter from Clifford H. Goodall, Dyer, Goodall and Zeegers (Attorney for Union Chemical Co., Inc.) to Henry E. Warren, State of Maine Department of Environmental Protection (May 25, 1984). Concerning response to May 24, 1984 letter from Henry E. Warren, State of Maine Department of Environmental Protection.
7. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Michael R. Deland, EPA Region I (August 2, 1984). Concerning confirmation of working relationship between EPA and the State.
8. Letter from David E. Boulter, State of Maine Department of Environmental Protection to Merrill S. Hohman, EPA Region I (August 20, 1984). Concerning clarification that the State of Maine Department of Environmental Protection is not a generator of the hazardous waste at the site, and will not assume responsibility as a generator.
9. Memorandum from Hank Aho, State of Maine Department of Environmental Protection to File (October 6, 1984). Concerning comments on cleanup.
10. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Michael R. Deland, EPA Region I (October 24, 1984). Concerning compliments to EPA for its efforts in cleaning up the site.
11. Letter from Cynthia S. Bertocci for Henry D. Aho, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (May 30, 1985). Concerning erection of a fence.
12. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Clifford H. Goodall, Dyer, Goodall & Zeegers (Attorney for Union Chemical Co., Inc.). Concerning drum reduction plan and log of waste quantities.

### 2.3 Sampling and Analysis Data

1. Sample Locations, State of Maine Department of Environmental Protection (May 7, 1979) with the attached maps and analytical data.
2. Memorandum from Richard Siscanaw, EPA Region I to Edward L. Taylor, EPA Region I (February 8, 1980). Concerning the attached samples from Quiggle Brook.
3. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Scott L. Mason, State of Maine Department of Environmental Protection (August 18, 1981). Concerning the attached preliminary baseline data for the air quality monitoring program.

## 2.3 Sampling and Analysis Data (cont'd.)

4. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to David A. Dumas, State of Maine Department of Environmental Protection (February 12, 1982). Concerning attached test results on still room exhaust, boiler stack, and incinerator.
5. "Union Chemical Trial Burn - Sampling and Analysis - Final Report," GCA Corporation (February 1984).
6. Memorandum from David A. Dumas, State of Maine Department of Environmental Protection to John Chandler, State of Maine Department of Environmental Protection (March 15, 1984). Concerning trial test burn, heavy metal analysis of feed stock, and particulate emissions.
7. Memorandum from Frank W. Lilley, EPA Region I to Paul Groulx, EPA Region I (December 24, 1984). Concerning the attached "Air Toxics Study," EPA Region I.
8. Letter from James J. Lysen, State of Maine Department of Environmental Protection to Bob Shatten, EPA Region I (January 11, 1985). Concerning results on water samples from wells, dikes, trenches, and Quiggle Brook.
9. "Draft - Air Monitoring," Roy F. Weston, Inc. (February 7, 1985).
10. Tank Sampling and Analysis Data, EPA Region I.

*The Drum Logs and any remaining Sampling and Analysis Data for the Removal Response may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.*

## 2.4 Pollution Reports (POLREPs)

*POLREPs are progress reports which are prepared as needed by the EPA Region I On-Scene Coordinator to convey progress on the site to State, Local, and Federal agencies during a Removal Action.*

1. POLREP 1, EPA Region I (August 11, 1984).
2. POLREP 2, EPA Region I (August 20, 1984).
3. POLREP 3, EPA Region I (August 27, 1984).
4. POLREP 4, EPA Region I (September 4, 1984).
5. POLREP 5, EPA Region I (September 11, 1984).
6. POLREP 6, EPA Region I (September 17, 1984).
7. POLREP 7, EPA Region I (September 19, 1984).
8. POLREP 8, EPA Region I (September 24, 1984).
9. POLREP 9, EPA Region I (September 28, 1984).
10. POLREP 10, EPA Region I (October 9, 1984).
11. POLREP 11, EPA Region I (October 15, 1984).
12. POLREP 12, EPA Region I (October 16, 1984).
13. POLREP 13, EPA Region I (October 17, 1984).
14. POLREP 14, EPA Region I (October 18, 1984).
15. POLREP 15, EPA Region I (October 19, 1984).
16. POLREP 16, EPA Region I (October 22, 1984).
17. POLREP 17, EPA Region I (October 27, 1984).
18. POLREP 18, EPA Region I (November 3, 1984).
19. POLREP 19, EPA Region I (November 9, 1984).

## 2.5 On-Scene Coordinator Reports

1. "On-Scene Coordinator's Report," EPA Region I (February 18, 1987).

## 2.6 Work Plans and Progress Reports

1. Work Plan and Field Protocols, EPA Region I (August 1984).
2. "Site Safety Plan," EPA Region I (August 1984).

## 2.9 Action Memoranda

1. Memorandum from Donald F. Berger, EPA Region I to Michael R. Deland, EPA Region I (August 10, 1984). Concerning a request for \$400,000 to initiate immediate removal action.
2. Memorandum from Donald F. Berger, EPA Region I to Michael R. Deland, EPA Region I (September 14, 1984). Concerning a ceiling increase for the immediate removal action.
3. Memorandum from Edward J. Conley, EPA Region I to Michael R. Deland, EPA Region I (October 5, 1984). Concerning a ceiling increase for the immediate removal action.
4. Memorandum from J. Daniel Berry, EPA Headquarters to Lee M. Thomas, EPA Headquarters (October 15, 1984). Concerning review of a request to increase the authorization for the immediate removal action.
5. Memorandum from William N. Hedeman Jr., EPA Headquarters to Lee M. Thomas, EPA Headquarters (October 15, 1984). Concerning request to raise the authorization for the immediate removal action to \$1,250,000.
6. Memorandum from Michael R. Deland, EPA Region I to Lee M. Thomas, EPA Headquarters (October 19, 1984). Concerning a request to raise the authorization for the immediate removal action to \$1,500,000.
7. Memorandum from John J. Stanton, EPA Headquarters to William N. Hedeman Jr., EPA Headquarters (October 23, 1984). Concerning approval of request to raise the authorization for the immediate removal action to \$1,500,000.

## 3.0 Remedial Investigation (RI)

### 3.1 Correspondence

1. Letter from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I (December 15, 1987). Concerning the transmittal of the work plans for the Remedial Investigation and the Feasibility Study.
2. Letter from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and Cynthia M. Kuhns, State of Maine Department of Environmental Protection (March 10, 1988). Concerning transmittal of the attached "Revised Text for Laboratory Quality Assurance Manual."
3. Letter from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I (April 7, 1988). Concerning transmittal of the attached "Revision to Health and Safety Plan."
4. Letter from Cynthia M. Kuhns, State of Maine Department of Environmental Protection to Randy C. Smith, Terrance Hughes, and James F. Green, Union Chemical Site Trust (April 8, 1988). Concerning a request that the Union Chemical Site Trust provide supplemental drinking water to "at risk" population groups.
5. Letter from Paul R. Morin, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I (April 19, 1988). Concerning transmittal of the attached hospital route map from the Union Chemical Health and Safety Plan.

## 3.1 Correspondence (cont'd.)

6. Letter from David P. Rosenblatt, Burns & Levinson (Attorney for Union Chemical Site Trust) to Cynthia M. Kuhns, State of Maine Department of Environmental Protection (April 22, 1988). Concerning a request for supplemental drinking water.
7. Letter from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and Cynthia M. Kuhns, State of Maine Department of Environmental Protection (May 11, 1988). Concerning transmittal of revised portions of the "Project Plans - Initial Site Characterization Work Plan - Project Operations Plan - Additional RI/FS Plans," Canonie Environmental Services Corp. for the Union Chemical Site Trust (May 1988).
8. Letter from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and Cynthia M. Kuhns, State of Maine Department of Environmental Protection (May 16, 1988). Concerning transmittal of corrected pages of the "Project Plans - Initial Site Characterization Work Plan - Project Operations Plan - Additional RI/FS Plans," Canonie Environmental Services Corp. for the Union Chemical Site Trust (May 1988, with June 1, 1988 Revisions/Additions).
9. Letter from David P. Rosenblatt, Burns & Levinson, and Louis N. Massery, Cooley, Manion, Moore & Jones, P.C. (Attorneys for the Union Chemical Site Trust) to Cynthia M. Kuhns, State of Maine Department of Environmental Protection (June 17, 1988). Concerning the Union Chemical Site Trust's decision not to provide supplemental drinking water because nearby wells did not show contamination.
10. Letter from Cynthia M. Kuhns, State of Maine Department of Environmental Protection to James F. Green, North East Solvents (June 20, 1988). Concerning clarification of due dates for Phase 2 of the Remedial Investigation/Feasibility Study.
11. Letter from Michael Jasinski, EPA Region I to Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust (August 2, 1988). Concerning the transmittal of guidance documents to be used during the Remedial Investigation/Feasibility Study activities.
12. Letter from Mark J. Leibrock, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Mr. and Mrs. John Jensen (September 2, 1988) with the attached form letters to the following residents:
  - A. Dr. and Mrs. Kenneth Guiseley.
  - B. Ms. Arlene Crabtree.
  - C. Mr. and Mrs. Elmer Hart.
  - D. Mr. and Mrs. Harold Cushman.
  - E. Mr. and Mrs. Dana Winchenbach.
  - F. Mr. and Mrs. Robert Shaw.
  - G. Mr. and Mrs. Donald Pushaw.
  - H. Mr. and Mrs. Henry Hastings.
  - I. Mr. Charles Lawson.
  - J. Mr. Scott Bissett.
  - K. Mr. and Mrs. Brian S. Powers.
  - L. Mr. and Mrs. Gordon Talbot.
  - M. Mr. and Mrs. Charles Martz.
  - N. Mr. and Mrs. William Bryant.
  - O. Ms. Hope Chase.
  - P. Mr. and Mrs. Harold Merrifield.
  - Q. Ms. Sandra MacAvoy.
  - R. Mr. and Mrs. Steven Bowman.
  - S. Mr. and Mrs. Lewis Merrifield.

## 3.1 Correspondence (cont'd.)

- T. Mr. and Mrs. Jeffrey Perkins.
  - U. Mr. Dennis Hall.
  - V. Mr. and Mrs. Albert Hastings.
  - W. Mr. and Mrs. Neil Fogg.
  - X. Mr. George Burr.
  - Y. Mr. Bruce Melanson.
  - Z. Mr. and Mrs. Dinsmore.
  - AA. Mr. and Mrs. Stanley.
- Concerning the third quarterly residential well sampling round to be performed on September 16, 1988.
13. Letter from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and Cynthia M. Kuhns, State of Maine Department of Environmental Protection (November 18, 1988). Concerning the transmittal of "Initial Site Characterization," Canonie Environmental Services Corp. for the Union Chemical Site Trust (November 1988).
  14. Letter from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and Cynthia M. Kuhns, State of Maine Department of Environmental Protection (January 11, 1989). Concerning transmittal of the January 1989 "Draft - Work Plan: Phase IB Remedial Investigation and Post-Screening Field Investigation," Canonie Environmental Services Corp. for the Union Chemical Site Trust.
  15. Letter from David M. Webster, EPA Region I to James F. Green, Union Chemical Site Trust (December 12, 1989). Concerning notice to proceed with Phase 4, "Post Screening Field Investigations," as outlined in Section 7 of the technical support document included in the signed September 16, 1987 Administrative Order.
  16. Letter from David W. Wright, State of Maine Department of Environmental Protection to James F. Green, Union Chemical Site Trust (December 12, 1989). Concerning a notice to proceed with Phase 4, "Post Screening Field Investigations," as outlined in Section 7 of the technical support document included in the signed September 16, 1987 Administrative Order.
  17. Letter from David M. Webster, EPA Region I to James F. Green, Union Chemical Site Trust (December 14, 1989). Concerning notification of the granting of an extension of time with the attached:
    - A. Comments Dated August 23, 1989 from David M. Webster, EPA Region I on the August 1989 "Phase IB Remedial Investigation Work Plan," Canonie Environmental Services Corp. for the Union Chemical Site Trust.
    - B. Letter from James F. Green, Union Chemical Site Trust to Michael Jasinski, EPA Region I and David W. Wright, State of Maine Department of Environmental Protection (October 11, 1989). Concerning notification of delay and request for an extension of time.
    - C. Letter from James F. Green, Union Chemical Site Trust to Michael Jasinski, EPA Region I (November 22, 1989). Concerning a request for extension of time for project deliverables.
  18. Letter from Michael Jasinski, EPA Region I to Doug Anderson, Canonie Environmental Services Corp. for the Union Chemical Site Trust (December 14, 1989). Concerning transmittal of a groundwater elevations data diskette.
  19. Letter from Michael Jasinski, EPA Region I to Doug Anderson, Canonie Environmental Services Corp. for the Union Chemical Site Trust (January 3, 1990). Concerning additional guidance and data for preparation of Remedial Investigation/Feasibility Study reports.

## 3.1 Correspondence (cont'd.)

20. Letter from David M. Webster, EPA Region I to James F. Green, Union Chemical Site Trust (March 26, 1990). Concerning formal notice to proceed with Phase 6, "Remedial Investigation/Feasibility Study Review."
21. Letter from David W. Wright, State of Maine Department of Environmental Protection to James F. Green, Union Chemical Site Trust (March 26, 1990). Concerning formal notice to proceed with Phase 6, "Remedial Investigation/Feasibility Study Review."

## 3.2 Sampling and Analysis Data

1. Letter Report from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and Cynthia Kuhns, State of Maine Department of Environmental Protection (January 5, 1989). Concerning additional information on methyl ethyl ketone analyses and ground water data interpretation.
2. Letter Report from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and David W. Wright, State of Maine Department of Environmental Protection (June 23, 1989). Concerning additional information on cyanide analysis results.

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

## 3.4 Interim Deliverables

## Reports

1. Letter from Susan E. Mulholland, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and Cynthia M. Kuhns, State of Maine Department of Environmental Protection (August 17, 1988). Concerning transmittal of the attached August 10, 1988 "Air Monitoring Analytical Laboratory Report," Clayton Environmental Consultants, Inc. for Canonie Environmental Services Corp. for the Union Chemical Site Trust.
2. "Draft - Initial Site Characterization - Volume 1 of 2," Canonie Environmental Services Corp. for the Union Chemical Site Trust (November 1988).
3. "Draft - Initial Site Characterization - Volume 2 of 2," Canonie Environmental Services Corp. for the Union Chemical Site Trust (November 1988).

*The maps associated with the record cited in entry number 4 may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.*

4. "Draft Wetlands Assessment," The Smart Associates for Canonie Environmental Services Corp. for the Union Chemical Site Trust (October 9, 1989).
5. "Draft - Final Report - Evaluation of Fractures in Four (4) Bedrock Wells," Technos Inc. for Canonie Environmental Services Corp. for the Union Chemical Site Trust (November 1989).
6. "Draft Phase IB - Initial Site Characterization Addendum - Volume 1 of 3," Canonie Environmental Services Corp. for Union Chemical Site Trust (January 1990).
7. "Draft Phase IB - Initial Site Characterization Addendum - Volume 2 of 3," Canonie Environmental Services Corp. for Union Chemical Site Trust (January 1990).

## 3.4 Interim Deliverables (cont.)

## Reports

8. "Draft Phase IB - Initial Site Characterization Addendum - Volume 3 of 3," Canonie Environmental Services Corp. for Union Chemical Site Trust (January 1990).

## Comments

9. Comments Dated January 17, 1989 from Marc A. Lappe, Ph.D. Consultant for the Township of Hope on the November 1988 "Draft - Initial Site Characterization - Volumes 1 and 2," Canonie Environmental Services Corp. for the Union Chemical Site Trust.
10. Meeting Notes, Carolie MAJ. Larner, Concerned Citizens of Hope and Michael Jasinski, EPA Region I (May 18, 1989). Concerning Mrs. Larner's Comments on the November 1988 "Draft - Initial Site Characterization - Volumes 1 and 2," Canonie Environmental Services Corp. for the Union Chemical Site Trust.
11. Comments Dated May 18, 1989 from Carolie MAJ. Larner, Concerned Citizens of Hope on the November 1988 "Draft - Initial Site Characterization - Volumes 1 and 2," Canonie Environmental Services Corp. for the Union Chemical Site Trust with the attached:
  - A. "Presentation to the Joint Standing Committee on Utilities," David L. Hall (May 17, 1989).
  - B. "Statement of Support of LD 934" (April 26, 1989).
  - C. "L.D. 934 - Statement of Marc A. Lappe, Ph.D." (May 17, 1989).
  - D. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Edward Logue, State of Maine Department of Environmental Protection (May 11, 1982). Concerning the attached records on April 23, 1982 fire.
12. Comments Dated December 12, 1989 from David W. Wright, State of Maine Department of Environmental Protection on the November 1989 "Draft Final Report - Evaluation of Fractures in Four (4) Bedrock Wells," Technos Inc.

## 3.5 Applicable or Relevant and Appropriate Requirements (ARARs)

1. Letter from Merrill S. Hohman, EPA Region I to Alan M. Prysunka, State of Maine Department of Environmental Protection (December 28, 1989). Concerning a request that the State of Maine identify those ARARs which were promulgated under the States's environmental statutes.
2. Letter from Alan M. Prysunka, State of Maine Department of Environmental Protection to Merrill S. Hohman, EPA Region I (February 23, 1990). Concerning applicable or relevant and appropriate standards, requirements, criteria, or limitations with the attached:
  - A. "Toxic Equivalency Factors and Land Application Criteria"
  - B. "Summary of State and Federal Drinking Water Guidelines"
  - C. "Bureau of Water Quality Control - Policy Number 10: The Discharge of Hazardous Substances to Groundwaters of the State."

## 3.6 Remedial Investigation (RI) Reports

1. "Draft Report - Remedial Investigation - Volume 1 of 2," Canonie Environmental Services Corp. for Union Chemical Site Trust (February 1990).
2. "Draft Report - Remedial Investigation - Volume 2 of 2," Canonie Environmental Services Corp. for Union Chemical Site Trust. (February 1990).
3. "Final Draft Report - Remedial Investigation/Feasibility Study - Volume 1 of 4," Canonie Environmental Services Corp. for Union Chemical Site Trust (June 1990).

## 3.6 Remedial Investigation (RI) Reports (cont'd.)

4. "Final Draft Report - Remedial Investigation/Feasibility Study - Volume 2 of 4," Canonie Environmental Services Corp. for Union Chemical Site Trust (June 1990).
5. "Final Draft Report - Remedial Investigation/Feasibility Study - Volume 3 of 4," Canonie Environmental Services Corp. for Union Chemical Site Trust (June 1990).
6. Cross-Reference: "Final Draft Report - Remedial Investigation/Feasibility Study - Volume 4 of 4," Canonie Environmental Services Corp. for Union Chemical Site Trust (June 1990) [Filed and cited as entry number 4 in 4.6 Feasibility Study (FS) Reports].

## 3.7 Work Plans and Progress Reports

## Work Plans

1. "Project Plans - Initial Site Characterization Work Plan - Project Operations Plan - Additional RI/FS Plans," Canonie Environmental Services Corp. for the Union Chemical Site Trust (March 1988, with the May 1988 and the June 1, 1988 Revisions and Additions).
2. "Draft - Work Plan: Phase IB Remedial Investigation and Post-Screening Field Investigation," Canonie Environmental Services Corp. for the Union Chemical Site Trust (January 1989).
3. "Proposed Change to Monitoring Well MW-13 Construction Details," Canonie Environmental Services Corp. for the Union Chemical Site Trust (August 21, 1989).
4. "Phase IB Remedial Investigation Work Plan," Canonie Environmental Services Corp. for the Union Chemical Site Trust (August 1989).
5. Letter Report from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and David W. Wright, State of Maine Department of Environmental Protection (September 15, 1989). Concerning the revised "Well MW-13 Construction Details."
6. Letter Report from Jui-Yu Hsieh, EPA Region I to Michael Jasinski, EPA Region I (November 9, 1990). Concerning groundwater cleanup levels for the site.

## Comments

7. Comments Dated July 2, 1988 from Marc A. Lappe, Ph.D. Consultant for the Township of Hope on the May 1988 "Initial Site Characterization Work Plan," Canonie Environmental Services Corp. for the Union Chemical Site Trust.
8. Comments Dated June 21, 1989 from Carolie MAJ. Larner, Concerned Citizens of Hope on the January 1989 "Draft - Work Plan: Phase IB Remedial Investigation and Post-Screening Field Investigation," Canonie Environmental Services Corp. for the Union Chemical Site Trust.
9. Comments Dated August 23, 1989 from David M. Webster, EPA Region I on the August 1989 "Phase IB Remedial Investigation Work Plan," Canonie Environmental Services Corp. for the Union Chemical Site Trust with attached "Quality Assurance Acceptance" Form, EPA Region I (August 23, 1989).
10. Comments Dated September 19, 1989 from David W. Wright, State of Maine Department of Environmental Protection on the September 15, 1989 Letter Report from Steven L. Gerken, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Michael Jasinski, EPA Region I and David W. Wright, State of Maine Department of Environmental Protection.

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

## Comments

11. Meeting Notes, Carolie MAJ. Larner, Concerned Citizens of Hope, EPA Region I, State of Maine Department Of Environmental Protection, State of Maine Board of Health, and Canonie Environmental Services Corp. (October 26, 1989). Concerning comments on the January 1989 "Draft - Work Plan: Phase IB Remedial Investigation and Post-Screening Field Investigation," Canonie Environmental Services Corp., for the Union Chemical Site Trust.
12. Comments Dated January 14, 1990 from Marc A. Lappe, Ph.D. Consultant for the Township of Hope on the August 1989 "Phase IB Remedial Investigation Work Plan," Canonie Environmental Services Corp. for the Union Chemical Site Trust.

## Responses to Comments

13. Response Dated September 6, 1989 from Michael Jasinski, EPA Region I on the June 21, 1989 Comments from Carolie MAJ. Larner, Concerned Citizens of Hope.

## Progress Reports

14. "Monthly Status Report No. 1," Canonie Environmental Services Corp. for the Union Chemical Site Trust (December 30, 1987).
15. "Monthly Status Report No. 2," Canonie Environmental Services Corp. for the Union Chemical Site Trust (January 28, 1988).
16. "Monthly Status Report No. 3," Canonie Environmental Services Corp. for the Union Chemical Site Trust (February 29, 1988).
17. "Monthly Status Report No. 4," Canonie Environmental Services Corp. for the Union Chemical Site Trust (April 1, 1988).
18. "Monthly Status Report No. 5," Canonie Environmental Services Corp. for the Union Chemical Site Trust (April 28, 1988).
19. "Monthly Status Report No. 6," Canonie Environmental Services Corp. for the Union Chemical Site Trust (June 1, 1988).
20. "Monthly Status Report No. 7," Canonie Environmental Services Corp. for the Union Chemical Site Trust (July 1, 1988).
21. "Monthly Status Report No. 8," Canonie Environmental Services Corp. for the Union Chemical Site Trust (August 1, 1988).
22. "Monthly Status Report No. 9," Canonie Environmental Services Corp. for the Union Chemical Site Trust (September 1, 1988).
23. "Monthly Status Report No. 10," Canonie Environmental Services Corp. for the Union Chemical Site Trust (September 27, 1988).
24. "Monthly Status Report No. 11," Canonie Environmental Services Corp. for the Union Chemical Site Trust (October 31, 1988) with attachments.
25. "Monthly Status Report No. 12," Canonie Environmental Services Corp. for the Union Chemical Site Trust (December 2, 1988) with attachments.
26. "Monthly Status Report No. 13," Canonie Environmental Services Corp. for the Union Chemical Site Trust (December 29, 1988).
27. "Monthly Status Report No. 15," Canonie Environmental Services Corp. for the Union Chemical Site Trust (February 27, 1989).
28. "Monthly Status Report No. 16," Canonie Environmental Services Corp. for the Union Chemical Site Trust (March 30, 1989).
29. "Monthly Status Report No. 18," Canonie Environmental Services Corp. for Union Chemical Site Trust (May 31, 1989).
30. "Monthly Status Report No. 19," Canonie Environmental Services Corp. for Union Chemical Site Trust (July 3, 1989).

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

## Progress Reports

31. "Monthly Status Report No. 20," Canonie Environmental Services Corp. for Union Chemical Site Trust (July 31, 1989).
32. "Monthly Status Report No. 21," Canonie Environmental Services Corp. for Union Chemical Site Trust (September 7, 1989) with attachments.
33. "Monthly Status Report No. 22," Canonie Environmental Services Corp. for Union Chemical Site Trust (October 10, 1989).
34. "Monthly Status Report No. 23," Canonie Environmental Services Corp. for Union Chemical Site Trust (November 8, 1989).
35. "Monthly Status Report No. 24," Canonie Environmental Services Corp. for Union Chemical Site Trust (December 5, 1989).
36. "Monthly Status Report No. 25," Canonie Environmental Services Corp. for Union Chemical Site Trust (December 27, 1989).
37. "Monthly Status Report No. 26," Canonie Environmental Services Corp. for Union Chemical Site Trust (January 30, 1990).
38. "Monthly Status Report No. 27," Canonie Environmental Services Corp. for Union Chemical Site Trust (February 27, 1990).
39. "Monthly Status Report No. 28," Canonie Environmental Services Corp. for Union Chemical Site Trust (March 29, 1990).
40. "Monthly Status Report No. 29," Canonie Environmental Services Corp. for the Union Chemical Site Trust (April 30, 1990).
41. "Monthly Status Report No. 30," Canonie Environmental Services Corp. for the Union Chemical Site Trust (May 31, 1990).
42. "Monthly Status Report No. 31," Canonie Environmental Services Corp. for the Union Chemical Site Trust (July 5, 1990).

## 3.9 Health Assessments

1. "The Prevalence of Selected Health Problems of Residents Living in the Vicinity of the Union Chemical Company," State of Maine Department of Human Services (December 1983).
2. Letter from Greg Bogdan, State of Maine Department of Human Services to Board of Selectmen and Health Officer Township of Hope (October 17, 1985) with the attached "Effects of Fish Pond Drawdown on Groundwaters in Proximity of Union Chemical in Hope, Maine." Concerning the health risk evaluation of water drawn from Fish Pond.
3. "Health Assessment," U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) (September 2, 1988).
4. "Information to the EPA Administrative Record," U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) (October 9, 1990).

## 3.10 Endangerment Assessments

*Endangerment Assessments for the Union Chemical Co., Inc. NPL site (also referred to as the Baseline Risk Assessment) may be found in the February 1990 "Draft Report - Remedial Investigation - Volume 1 of 2," Canonie Environmental for Union Chemical Co., Inc.*

1. Memorandum from Jui-Yu Hsieh, EPA Region I to Michael Jasinski, EPA Region I (November 30, 1990) with attachments. Concerning health risks for groundwater cleanup levels at the site.

#### 4.0 Feasibility Study (FS)

##### 4.1 Correspondence

1. Letter from David W. Wright, State of Maine Department of Environmental Protection to James F. Green, Union Chemical Site Trust (February 5, 1990). Concerning notice to proceed with Phase 5, "Detailed Analysis of Alternatives."
2. Letter from David M. Webster, EPA Region I to James F. Green, Union Chemical Site Trust (February 5, 1990). Concerning notice to proceed with Phase 5, "Detailed Analysis of Alternatives."

##### 4.2 Sampling and Analysis Data

1. Memorandum from Jui-Yu Hsieh, EPA Region I to Michael Jasinski, EPA Region I (November 9, 1990). Concerning the use of PMCLs rather than MEGs as groundwater cleanup levels.

##### 4.4 Interim Deliverables

1. "Union Chemical Company - Clean-up: Evaluation of Options," State of Maine Department of Environmental Protection (November 6, 1985).

##### 4.5 Applicable or Relevant and Appropriate Requirements (ARARs)

1. Letter from David P. Rosenblatt, Burns & Levinson (Attorney for Union Chemical Site Trust) to Marjorie Adams, EPA Region I (June 21, 1990). Concerning whether or not the State of Maine Bureau of Health "Maximum Exposure Guidelines" constitute Applicable or Relevant and Appropriate Requirements (ARARs).
2. Letter from Margery L. Adams, EPA Region I to David W. Wright, State of Maine Department of Environmental Protection (December 5, 1990). Concerning EPA's position that maximum exposure guidelines established by the State are not acceptable within the meaning of Section 121 of CERCLA.

##### 4.6 Feasibility Study (FS) Reports

1. Cross-Reference: "Final Draft Report - Remedial Investigation/Feasibility Study - Volume 1 of 4," Canonie Environmental Services Corp. for Union Chemical Site Trust (June 1990) [Filed and cited as entry number 1 in 3.6 Remedial Investigation (RI) Reports].
2. Cross-Reference: "Final Draft Report - Remedial Investigation/Feasibility Study - Volume 2 of 4," Canonie Environmental Services Corp. for Union Chemical Site Trust (June 1990) [Filed and cited as entry number 2 in 3.6 Remedial Investigation (RI) Reports].
3. Cross-Reference: "Final Draft Report - Remedial Investigation/Feasibility Study - Volume 3 of 4," Canonie Environmental Services Corp. for Union Chemical Site Trust (June 1990) [Filed and cited as entry number 3 in 3.6 Remedial Investigation (RI) Reports].
4. "Final Draft Report - Remedial Investigation/Feasibility Study - Volume 4 of 4," Canonie Environmental Services Corp. for Union Chemical Site Trust (June 1990).

#### 4.7 Work Plans and Progress Reports

1. Progress Report, Canonie Environmental Services Corp. for the Union Chemical Site Trust (July 30, 1990).
2. Progress Report, Canonie Environmental Services Corp. for the Union Chemical Site Trust (September 6, 1990).

#### 4.9 Proposed Plans for Selected Remedial Action

1. "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I (July 1990).

### 5.0 Record of Decision (ROD)

#### 5.1 Correspondence

1. Memorandum from Don R. Clay, EPA Headquarters to Regional Administrators, EPA Regions I-X (January 29, 1990). Concerning the delegation of selection of remedy authority for all Superfund Records of Decision (RODs) scheduled for signature during fiscal year 1990.
2. Cross-Reference: "Draft - Proposed Record of Decision (ROD) Schedule," EPA Region I (March 13, 1990) [Filed and cited as attachment A in entry number 76 in 13.1 Correspondence].

#### 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 Brian S. Powers, Hope's Committee for a Clean Environment to Julie D. Belaga, EPA Region I (July 23, 1990). Concerning request for a 30-day extension of the public comment period.
3. Letter from Carolie MAJ. Lamer, Concerned Citizens of Hope to Michael Jasinski, EPA Region I (July 27, 1990). Concerning prior request for an extension of the public comment period.
4. Letter from Brian S. Powers, Hope's Committee for a Clean Environment to Julie D. Belaga, EPA Region I (July 27, 1990). Concerning request for an extension of the public comment period and a postponement of the public hearing.
5. Comments Dated August 1, 1990 from Dean C. Marriott, State of Maine Department of Environmental Protection on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
6. Letter from Merrill S. Hohman, EPA Region I to Brian S. Powers, Hope's Committee for a Clean Environment (August 21, 1990). Concerning the denial of Mr. Power's request for an extension of the public comment period.
7. Letter from Marshall J. Tinkle, Thompson, McNaboe, Ashley & Bull to Michael Jasinski, EPA Region I (August 23, 1990). Concerning request for an extension of the public comment period.
8. Letter from Paul L. Gibbons, Eaton, Peabody, Bradford & Veague, P.A. (Attorney for the Selectmen and citizens of the Town of South Hope) to Julie D. Belaga, EPA Region I (August 28, 1990). Concerning scheduling of the additional public meeting.

## 5.3 Responsiveness Summaries (cont'd.)

9. Letter from Julie D. Belaga, EPA Region I to Paul L. Gibbons, Eaton, Peabody, Bradford & Veague, P.A. (Attorney for the Selectmen and citizens of the Town of South Hope) (September 27, 1990). Concerning scheduling of the additional public meeting.
10. Comments Dated September 28, 1990 from Jeffrey L. McNelly, Camden and Rockland Water Company on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site", EPA Region I.
11. Comments Dated October 1, 1990 from Beverly Paigen, Ph.D. for Hope's Committee for a Clean Environment on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
12. Comments Dated October 2, 1990 from Arlene Crabtree concerning possible well contamination and devaluation of her property.
13. Comments Dated October 2, 1990 from James F. Green, Robert Eastman, and Terrance Hughes, Union Chemical Site Trust on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
14. Comments Dated October 3, 1990 from Randy C. Smith, Union Chemical Site Trust on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
15. Comments Dated October 4, 1990 from John H. and Lois A. Jensen on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
16. Comments Dated October 5, 1990 from Benjamin Ross, Disposal Safety Incorporated for Hope's Committee for a Clean Environment on the June 1990 "Final Draft Report - Remedial Investigation/Feasibility Study" and the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
17. Comments Dated October 23, 1990 from Marc A. Lappe, Ph.D. on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
18. Comments Dated October 25, 1990 from Carol MAJ. Lerner, Concerned Citizens of Hope concerning withdrawal of testimony given at August 23, 1990 Public Hearing.

## Response to Comments

19. Comments Dated October 16, 1990 from David W. Wright, State of Maine Department of Environmental Protection concerning Union Chemical Site Trust Comments dated October 2, 1990.

## 5.4 Record of Decision (ROD)

1. Record of Decision, EPA Region I (December 27, 1990).

## 9.0 State Coordination

### 9.1 Correspondence

1. Letter from Merrill S. Hohman, EPA Region I to Harold Kimball, State of Maine Planning Office (August 18, 1987). Concerning the proposed Superfund Project.
2. Letter from Duane A. Scott, State of Maine Department of Transportation to David M. Webster, EPA Region I (October 8, 1987). Concerning a request to be added to the mailing list.

## 10.0 Enforcement

### 10.1 Correspondence

1. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Clifford H. Goodall, Lund Wilk Scott & Goodall (Attorney for Union Chemical Co., Inc.) (November 28, 1979). Concerning the state's enforcement of the 1979 waste discharge license.
2. Letter from Merrill S. Hohman, EPA Region I to James F. Green, Union Chemical Site Trust (August 27, 1990). Concerning penalty payment for failure to comply with deadline.
3. Letter from David W. Wright, State of Maine Department of Environmental Protection to Randy C. Smith, Union Chemical Site Trust (August 31, 1990). Concerning penalty payment for failure to comply with deadline.
4. Letter from Robert D. Eastman, Union Chemical Site Trust to Superfund Accounting (September 6, 1990). Concerning check for penalty payment.

### 10.3 State and Local Enforcement Records

1. "Waste Discharge License Certificate," State of Maine (September 13, 1976).
2. Letter from George W. Lord, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (August 2, 1979). Concerning discharge of pollutants in violation of 38 M.R.S.A. 413 and 414.5.
3. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Henry E. Warren, State of Maine Department of Environmental Protection (August 13, 1979). Concerning objection to enforcement actions.
4. Letter from Robert A. Demkowicz, State of Maine Department of Environmental Protection to Clifford H. Goodall, Lund, Wilk, Scott & Goodall (Attorney for Union Chemical Co., Inc.) (September 14, 1979). Concerning coordination of the Consent Decree for the Union Chemical facility.
5. Letter from Clifford H. Goodall, Lund Wilk Scott & Goodall (Attorney for Union Chemical Co., Inc.) to Henry E. Warren, State of Maine Department of Environmental Protection (October 17, 1979). Concerning the plan to upgrade the chemical processing plan.
6. Letter from Clifford H. Goodall, Lund Wilk Scott & Goodall (Attorney for Union Chemical Co., Inc.) to John Bastey, State of Maine Department of Environmental Protection (October 17, 1979). Concerning the plans and progress in upgrading the site.
7. "Statement of Deficiencies and Plan of Correction," State of Maine Department of Public Safety (January 8, 1980).
8. "Source Permit Application," Union Chemical Co., Inc. (August 4, 1980).
9. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to David A. Dumas, State of Maine Department of Environmental Protection (August 12, 1980). Concerning the transmittal of the attached August 11, 1980 "Application for Air Emission License."

## 10.3 State and Local Enforcement Records (cont'd.)

10. "Interim License for Hazardous Waste Facility," State of Maine (August 13, 1980).
11. "Draft - Finding of Fact & Order," State of Maine Department of Environmental Protection (November 12, 1980) with the attached November 12, 1980 "Air Emission License," State of Maine Department of Environmental Protection.
12. Letter from George W. Lord, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (December 8, 1980). Concerning the contaminated water and monitoring program.
13. Letter from George Kaplan, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (December 31, 1980). Concerning the non-compliance with manifest requirements for shipments of hazardous wastes:
14. "Hazardous Material Incident Report Form," State of Maine Department of Environmental Protection (February 5, 1981).
15. Letter from John A. Krueger, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (April 1, 1981). Concerning warning about unlicensed storage of hazardous wastes.
16. "Memorandum of Understanding," John A. Krueger, State of Maine Department of Environmental Protection, Raymond G. Esposito, Union Chemical Co., Inc. (June 3, 1981). Concerning schedule of contamination appraisal reports to be supplied to the State of Maine.
17. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to John A. Krueger, State of Maine Department of Environmental Protection (November 6, 1981). Concerning the program for analysis and monitoring of potential contaminant sources.
18. "Waste Discharge License," State of Maine Department of Environmental Protection (October 27, 1982).
19. "Findings of Fact and Order - Air Emission License, *Union Chemical Co., Inc.*," State of Maine Department of Environmental Protection (December 8, 1982).
20. Letter from Robert A. Demkowicz, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (October 17, 1983). Concerning notice of hazardous waste facility violation due to inadequate aisle space, leaking drums, and inadequate storage.
21. Order of Board, *In the Matter of Union Chemical Co., Inc.*, Hope Zoning Board of Appeals (October 27, 1983).
22. "Application for License for Hazardous Waste Facility under the Maine Hazardous Waste, Septage, and Solid Waste Management Act (38 M.R.S.A., Section 1301 et. seq.)," Union Chemical Co., Inc. (November 29, 1983).
23. Letter from David A. Dumas, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (December 8, 1983). Concerning the attached notice of violation of air emissions license.
24. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (December 12, 1983). Concerning acceptance of the application for air emissions license renewal
25. Letter from Stephen A. Tibetts, Union Chemical Co., Inc. to David A. Dumas, State of Maine Department of Environmental Protection (December 16, 1983). Concerning attached results of the feed stock analysis for heavy metals.
26. "Addendum to Application for License for Hazardous Waste Facility," Union Chemical Co., Inc. (January 31, 1984).

## 10.3 State and Local Enforcement Records (cont'd.)

27. Letter from Clifford H. Goodall, Lund Wilk Scott & Goodall (Attorney for Union Chemical Co., Inc.) to Henry E. Warren, State of Maine Department of Environmental Protection (March 27, 1984). Concerning hazardous waste facility license.
28. Administrative Order, *In the Matter of Union Chemical Company, Inc.*, Designation of Uncontrolled Hazardous Substance Site and Order, State of Maine Department of Environmental Protection (March 30, 1984).
29. Consent Decree, *Henry E. Warren, Commissioner of the State of Maine Department of Environmental Protection v. Union Chemical Co., Inc.*, State of Maine Superior Court (May 7, 1984).
30. Complaint for Declaratory and Injunctive Relief and Civil Penalties, *Henry E. Warren, Commissioner of the State of Maine Department of Environmental Protection v. Union Chemical Co., Inc.*, State of Maine Superior Court (May 7, 1984).
31. Order, *Henry E. Warren, Commissioner of Environmental Protection, Plaintiff, v. Union Chemical Company, Inc., Defendant*, Docket No. CV-84-199 (May 25, 1984).
32. Letter from James T. Kilbreth, State of Maine Department of the Attorney General to Donald G. Alexander, Kennebec County Superior Court (May 31, 1984). Concerning transmittal of an order correcting an error in a consent decree.
33. Letter from James T. Kilbreth, State of Maine Department of the Attorney General to Clifford H. Goodall, Dyer, Goodall and Zeegers (Attorney for Union Chemical Co., Inc.) (June 1, 1984). Concerning incineration and drum reduction and inflow.
34. Findings of Fact & Order, *In the Matter of Union Chemical Company* (June 27, 1984).
35. Order, *Henry E. Warren, Commissioner of the State of Maine Department of Environmental Protection v. Union Chemical Co., Inc.*, State of Maine Superior Court, Civil Action Docket No. CV-84-199 (June 29, 1984).
36. Summons to Trustee, *Henry E. Warren, Commissioner of Environmental Protection, Plaintiff v. Union Chemical Company, Inc., Defendant, Maine National Bank, Trustee, State of Maine Superior Court CV-84-199* (July 2, 1984) with the attached Writ of Attachment, *Henry E. Warren, Commissioner of Environmental Protection, Plaintiff v. Union Chemical Company, Inc., Defendant, State of Maine Superior Court CV-84-199* (July 3, 1984).
37. "Hazardous Waste Transporter and Generator Notification re: Closure of Union Chemical Company," State of Maine Department of Environmental Protection (July 9, 1984).
38. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Samuel Zaitlin, State of Maine Board of Environmental Protection (October 9, 1984). Concerning request for hearing.
39. Letter from David E. Boulter, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (March 15, 1985). Concerning the accounting report, request for drum disposal, and the erection of a fence.
40. Memorandum of Points and Authorities in Support of Motion for Enforcement and Modification of Order and for Forfeiture, *Henry E. Warren, Commissioner of the State of Maine Department of Environmental Protection v. Union Chemical Co., Inc.*, State of Maine Superior Court, Civil Action Docket No. CV-84-199 (July 12, 1985).
41. Decision and Judgment, *Katharene Larner, et al., v. Union Chemical Co., Inc.*, Superior Court for the State of Maine, Civil Action No. CV-80-5 (August 22, 1985).

## 10.3 State and Local Enforcement Records (cont'd.)

42. Letter from James T. Kilbreth, State of Maine Department of the Attorney General to Clifford H. Goodall, Dyer, Goodall and Zeegers (Attorney for Union Chemical Co., Inc.) (February 24, 1986). Concerning transmittal of order.
43. Order, *Kenneth C. Young, Jr., Commissioner of the State of Maine Department of Environmental Protection v. Union Chemical Co., Inc.*, State of Maine Superior Court, Civil Action Docket No. CV-84-199 (June 5, 1986).
44. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Henry D. Aho, State of Maine Department of Environmental Protection (June 6, 1986). Concerning transmittal of the attached check to the Treasurer of State.
45. Check from Raymond G. Esposito, Union Chemical Co., Inc. to Treasurer of State (July 23, 1986).

## 10.4 Interviews, Depositions, and Affidavits

1. Deposition of Raymond G. Esposito, *United States v. Union Research Co., Inc., formerly Union Chemical, Inc., et al*, United States District Court for the District of Maine, Civil Action No. 87-0355B (June 6, 1989). With the attached exhibits:
  - A. List of Stockholders.
  - B. A Brief Historical and Economic History of Union Chemical Co., Inc.
  - C. "Mortgage Deed," Union Chemical Co., Inc. (April 23, 1976).
  - D. "Application for License for Hazardous Waste Facility under the Maine Hazardous Waste, Septage, and Solid Waste Management Act (38 M.R.S.A., Section 1301 et. seq.)," Union Chemical Co., Inc. (September 30, 1983).
  - E. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to William Grover, State of Maine Department of Environmental Protection (February 9, 1981). Concerning sampling results.
  - F. Letter Report from Raymond G. Esposito, Union Chemical Co., Inc. to Edward Logue, State of Maine Department of Environmental Protection (July 10, 1981). Concerning sampling results.
  - G. Letter Report from Raymond G. Esposito, Union Chemical Co., Inc. to Edward Logue, State of Maine Department of Environmental Protection (April 13, 1981). Concerning sampling results.
  - H. "Waste Discharge License Certificate," State of Maine (September 13, 1976).
  - I. Letter Report from Raymond G. Esposito, Union Chemical Co., Inc. to Edward Logue, State of Maine Department of Environmental Protection (September 29, 1983). Concerning sampling results.
  - J. Letter Report from Raymond G. Esposito, Union Chemical Co., Inc. to Edward Logue, State of Maine Department of Environmental Protection (August 12, 1981). Concerning sampling results.
  - K. Letter Report from Stephen A. Tibbetts, Union Chemical Co., Inc. to Edward Logue, State of Maine Department of Environmental Protection (March 22, 1983). Concerning sampling results.
  - L. "Hydrogeologic Evaluation and Development of Clean Up Plan for Area of Contaminated Soil," Wright-Pierce for Union Chemical Co., Inc. (July 1981).
  - M. "Hydrogeologic Evaluation," Wright-Pierce for Union Chemical Co., Inc. (November 17, 1981).
  - N. Complaint for Declaratory and Injunctive Relief and Civil Penalties, *Henry E. Warren, Commissioner of the State of Maine Department of Environmental Protection v. Union Chemical Co., Inc.*, State of Maine Superior Court (May 7, 1984).

## 10.4 Interviews, Depositions, and Affidavits (cont'd.)

- O. Consent Decree, *Henry E. Warren, Commissioner of the State of Maine Department of Environmental Protection v. Union Chemical Co., Inc.*, State of Maine Superior Court (May 7, 1984).
- P. Consent Agreement and Order, *In re: Union Chemical., Inc., Proceeding under Section 3008 of the Resource Conservation and Recovery Act*, 42 U.S.C. §6928, RCRA Docket No. 83-1045 (September 6, 1984).
- Q. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Henry D. Aho, State of Maine Department of Environmental Protection (June 10, 1986). Concerning forthcoming disposition of ground water plan.

## 10.5 General Negotiations

1. Sample Notice Letter (signed), EPA Region I. Concerning notification of a meeting on May 5, 1987 for Potentially Responsible Parties. With the attached:
  - A. Registration Form.
  - B. Cross-Reference: "Attachment B - Names and Addresses of Potentially Responsible Parties," EPA Region I (March 23, 1987) [Filed and cited as entry number 1 in 11.1 PRP Lists].
2. Meeting Handout Packet, EPA Region I, State of Maine Department of Environmental Protection, and Potentially Responsible Parties (May 5, 1987) including:
  - A. Union Chemical - Meeting Agenda
  - B. Introduction
  - C. Site History
  - D. Response Measures By Maine Department of Environmental Protection
  - E. State of Maine Department of Environmental Protection Presentation on the Union Chemical Company
  - F. Emergency Response Measures, EPA Region I
  - G. Government Oversight of a Private Party Remedial Investigation and Feasibility Study, EPA Region I
  - H. Legal Responsibilities of Parties for EPA Costs and Response Activities, EPA Region I
  - I. Liability of Responsible Parties to the State of Maine, State of Maine Department of the Attorney General
  - J. Objectives and Structure of Negotiations

## 10.7 EPA Administrative Orders

1. Cross-Reference: Consent Agreement and Order, *In RE: Union Chemical Co., Inc., Proceeding under Section 3008 of the Resource Conservation and Recovery Act*, 42 U.S.C. §6928, RCRA Docket No. 83-1045 (September 6, 1984) [Filed and cited as entry number 3 in 19.5 RCRA Enforcement Actions].
2. "Superfund; Proposed Settlement Under Comprehensive Environmental Response Compensation and Liability Act; Union Chemical Co., Inc.," Federal Register Vol. 52, No. 183 (September 22, 1987). Concerning the notice for first Administrative Order.
3. Administrative Order by Consent, *In the Matter of Union Chemical Co., Inc. Site*, Docket No. 1-87-1104 (November 4, 1987).
4. "Environmental Protection Agency," Federal Register Vol. 52, No. 223 (November 19, 1987). Concerning the notice for second Administrative Order.
5. Administrative Order by Consent, *In the Matter of Union Chemical Co., Inc. Site*, Docket No. 1-88-1003 (January 13, 1988).

## 10.8 EPA Consent Decrees

1. Partial Consent Decree, *United States v. Union Research Co., Inc., formerly Union Chemical Co., Inc.; Raymond G. Esposito; Steego Parts Corp., formerly Steego Auto Parts, and Farrar-Brown Auto Parts, Inc.; C.M. Laboratories, Inc.; Nyco, Inc.; Waterlac Industries, Inc.; IMC Magnetics Corp.; Rule Industries, Inc.; R.S. Liquid Waste Disposal, Inc.; Ethan Allen, Inc.; and Spencer Press, Inc.*, United States District Court for the District of Maine, Civil Action No. 87-0355 B (August 7, 1989).
2. "Department of Justice: Lodging of Partial Consent Decree; Pollution Control Consent," Federal Register Vol. 54, No. 109 (June 8, 1989). Concerning the notice for Partial Consent Decree.

## 10.9 Pleadings

1. Cross-Reference: Complaint, *In RE: Union Chemical Co., Inc. Proceeding under Section 3008 of the Resource Conservation and Recovery Act*, 42 U.S.C. §6928, RCRA Docket No. 83-1045 (November 1, 1983). With the attached RCRA Part B Application [Filed and cited as entry number 1 in 19.5 RCRA Enforcement Action Records].
2. Cross-Reference: Answer to Complaint, *In RE: Union Chemical Co., Inc. Proceeding under Section 3008 of the Resource Conservation and Recovery Act*, 42 U.S.C. §6928, RCRA Docket No. 83-1045 (December 7, 1983) [Filed and cited as entry number 2 in 19.5 RCRA Enforcement Action Records].
3. Complaint, *United States of America v. Union Research, Inc., formerly Union Chemical Co., Inc.; Raymond G. Esposito; Steego Parts Corp., formerly Steego Auto Parts, and Farrar-Brown Auto Parts, Inc.; C.M. Laboratories, Inc.; Nyco, Inc., formerly Nyes Japenamela, Inc.; Waterlac Industries, Inc.; IMC Magnetics Corp.; Rule Industries, Inc.; R.S. Liquid Waste Disposal, Inc.; Ethan Allen, Inc.; and Spencer Press Company*, United States District Court for the District of Maine, Civil Action No. CV-87-0355 B (November 6, 1987).
4. Answer, *United States of America v. Union Research, Inc., formerly Union Chemical Co., Inc.; Raymond G. Esposito; Steego Parts Corp., formerly Steego Auto Parts, and Farrar-Brown Auto Parts, Inc.; C.M. Laboratories, Inc.; Nyco, Inc., formerly Nyes Japenamela, Inc.; Waterlac Industries, Inc.; IMC Magnetics Corp.; Rule Industries, Inc.; R.S. Liquid Waste Disposal, Inc.; Ethan Allen, Inc.; and Spencer Press Company*, United States District Court for the District of Maine, Civil Action No. CV-87-0355 B (December 21, 1987).
5. Amendment to Answer, *United States of America v. Union Research Co., Inc., et al.*, United States District Court for the District of Maine, Civil Action No. CV-87-0355 B (April 13, 1988).

## 11.0 Potentially Responsible Party (PRP)

## 11.1 PRP Lists

1. "Attachment B - Names and Addresses of Potentially Responsible Parties," EPA Region I (March 23, 1987).
2. "Union Chemical Company - Parties Receiving Special Notice and Demand Letter," EPA Region I (May 18, 1987).
3. "Union Chemical Company - Names and Address of Parties to Whom the Notification is Being Issued," EPA Region I (February 26, 1990).

### 11.3 Contractor Work Plans and Progress Reports

*Union Chemical Site Trust Contractor Work Plans and Progress Reports may be found in 3.7 Work Plans and Progress Reports and 4.7 Work Plans and Progress Reports.*

### 11.5 Site Level - General Correspondence

#### Notice Letters

1. Sample General Notice Letter (signed), EPA Region I. Concerning the attached:
  - A. Sample Notice Letter (dated), EPA Region I (March 23, 1987).
  - B. "Attachment A - Request for Information."
  - C. Cross-Reference: "Attachment B - Names and Addresses of Potentially Responsible Parties," EPA Region I (March 23, 1987) [Filed and cited as entry number 1 in 11.1 PRP Lists].
  - D. "Attachment C - Union Chemical Ranking of Generators by Hazardous Wastes Generated."
  - E. "Attachment D - Re: Sample Document."
  - F. "Attachment E - List of Transporters."
2. Sample Special Notice Letter (signed), EPA Region I. Concerning the attached:
  - A. Sample Special Notice Letter (signed and dated), EPA Region I (May 22, 1987).
  - B. "Union Chemical Transactional Database - Union Chemical Ranking of Generators by Hazardous Wastes Generated" (May 12, 1987).
  - C. "Union Chemical Transactional Database - Transactional Printout - Volume per Waste Type" (May 12, 1987).
  - D. "Union Chemical Transactional Database - Union Chemical Ranking of Transporters by Hazardous Wastes Transported" (May 12, 1987).
  - E. Cross-Reference: "Union Chemical Company - Parties Receiving Special Notice and Demand Letter," EPA Region I (May 18, 1987) [Filed and cited as entry number 2 in 11.1 PRP Lists].
  - F. "Negotiations Support Document," Camp Dresser & McKee Inc. (May 19, 1987).
3. Sample General Notice Letter (dated), EPA Region I (February 26, 1990). Concerning notification of potential liability and request for information with the attached:
  - A. Cross-Reference: "Union Chemical Company - Names and Address of Parties to Whom the Notification is Being Issued," EPA Region I (February 26, 1990) [Filed and cited as entry number 3 in 11.1 PRP Lists].
  - B. "Union Chemical Transaction Database - Union Chemical Ranking of Generators by Hazardous Wastes Generated (Enclosure B)" (December 31, 1989).
  - C. "Enclosure C - Union Chemical Company - Documentation."
  - D. "Enclosure D - Union Chemical Company - First Information Request - Instructions."
4. Letter from David E. Boulter, State of Maine Department of Environmental Protection to Potentially Responsible Party. Concerning notification of potential liability under title 38, Chapter 13-B of the Maine Hazardous Substance, Matter and Waste Management Laws.
5. Letter from Michael Jasinski, EPA Region I to David P. Rosenblatt, Burns & Levinson and Louis Massery, Cooley, Manion, Moore & Jones (Attorneys for Union Chemical Site Trust) (October 21, 1987). Concerning the volumetric ranking lists.

## 11.5 Site Level - General Correspondence (cont'd.)

## Steering Committee/Trustee Correspondence

6. Letter from Michael Jasinski, EPA Region I to David P. Rosenblatt, Burns & Levinson (Attorney for Union Chemical Site Trust) (May 4, 1988). Concerning residential well sampling results.
7. Letter from David M. Webster, EPA Region I to James F. Green, North East Solvents (June 14, 1988). Concerning Resource Conservation and Recovery Act identification number.
8. Letter from David M. Webster, EPA Region I to James F. Green, North East Solvents (June 20, 1988). Concerning clarification of deliverables.
9. Letter from Randy C. Smith, Union Chemical Site Trust to Michael Jasinski, EPA Region I (January 31, 1989) with the attached January 27, 1989 Letter from Timothy J. Harrington, Canonie Environmental Services Corp. for Union Chemical Site Trust. Concerning a potential conflict of interest due to W.R. Grace & Company's ownership of shares in Canonie Environmental Services Corp.
10. Cross-Reference: Letter from David M. Webster, EPA Region I to James F. Green, Union Chemical Site Trust (December 14, 1989). Concerning notification of the granting of an extension of time with the attached:
  - A. Comments Dated August 23, 1989 from David M. Webster, EPA Region I on the August 1989 "Phase IB Remedial Investigation Work Plan," Canonie Environmental Services Corp. for the Union Chemical Site Trust.
  - B. Letter from James F. Green, Union Chemical Site Trust to Michael Jasinski, EPA Region I and David W. Wright, State of Maine Department of Environmental Protection (October 11, 1989). Concerning notification of delay and request for an extension of time.
  - C. Letter from James F. Green, Union Chemical Site Trust to Michael Jasinski, EPA Region I (November 22, 1989). Concerning a request for extension of time for project deliverables.

[Filed and cited as entry number 17 in 3.1 Correspondence].
11. Cross-Reference: Letter from David W. Wright, State of Maine Department of Environmental Protection to James F. Green, Union Chemical Site Trust (February 5, 1990). Concerning notice to proceed with the Phase 5, detailed analysis of alternatives [Filed and cited as entry number 1 in 4.1 Correspondence].
12. Cross-Reference: Letter from David M. Webster, EPA Region I to James F. Green, Union Chemical Site Trust (February 5, 1990). Concerning notice to proceed with the Phase 5, "Detailed Analysis of Alternatives" [Filed and cited as entry number 2 in 4.1 Correspondence].

## 11.9 PRP-Specific Correspondence

## Union Chemical Co., Inc.

1. Letter from Merrill S. Hohman, EPA Region I to Raymond G. Esposito, Union Chemical Co., Inc. (August 8, 1984). Concerning notification of potential liability.
2. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Michael R. Deland, EPA Region I (August 10, 1984). Concerning objection to state and federal agencies enforcing environmental regulations.
3. Letter from Michael R. Deland, EPA Region I to Raymond G. Esposito, Union Chemical Co., Inc. (August 22, 1984). Concerning termination of hazardous waste facility license and EPA support of the State of Maine ruling.

## 11.9 PRP-Specific Correspondence (cont'd.)

## Union Chemical Co., Inc.

4. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Michael R. Deland, EPA Region I (September 11, 1984). Concerning objections to the August 22, 1984 Letter from Michael R. Deland.
5. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Henry Hinckley (November 15, 1984). Concerning objections to the cost of the cleanup.
6. Letter from Merrill S. Hohman, EPA Region I to Raymond G. Esposito, Union Chemical Co., Inc. (April 27, 1987). Concerning a notification of the May 5, 1987 meeting for Potentially Responsible Parties.

## Rule Industries, Inc.

7. Letter from Merrill S. Hohman, EPA Region I to William Anastos, Rule Industries, Inc. (February 26, 1990). Concerning a second request for information.

## Pioneer Plastics

8. Letter from Merrill S. Hohman, EPA Region I to Edward W. Ribolin, Pioneer Plastics (February 26, 1990). Concerning a second request for information.
9. Letter from Merrill S. Hohman, EPA Region I to John B. Jalbert, Pioneer Plastics Corporation (June 11, 1990). Concerning notice of potential liability and request for information with the attached:
  - A. "Enclosure A - Union Chemical Transactional Database Summary Report" (January 1, 1990).
  - B. "Enclosure B - Union Chemical Transactional Database - Union Chemical Ranking of Generators by Hazardous Wastes Generated."
  - C. "Enclosure C - Union Chemical Company - First Information Request."

## Trinova Corporation

10. Letter from Merrill S. Hohman, EPA Region I to Nat C. Chang, Trinova Corporation (Successor to Pioneer Plastics) (June 11, 1990). Concerning notice of potential liability and request for information.

## 11.12 PRP Related Documents

## Reports

1. "Spill Containment and Incineration System: Preliminary Design and Capital Cost Report," Progress Consulting Services for Union Chemical Co., Inc. (September 1979).
2. "Hydrogeologic Evaluation and Development of Clean Up Plan for Area of Contaminated Soil," Wright-Pierce for Union Chemical Co., Inc. (July 30, 1981).

## 11.12 PRP Related Documents (cont'd.)

## Reports

*The maps associated with the record cited in entry number 3 may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.*

3. "Hydrogeologic Evaluation and Development of Clean Up Plan for Area of Contaminated Soil - Part B - Appendix 1," Wright-Pierce for Union Chemical Co., Inc. (November 17, 1981).
4. "Waste Analysis Plan," Union Chemical Co., Inc. (June 4, 1984).

## Comments

5. Comments Dated April 2, 1984 from Peter Garrett, State of Maine Department of Environmental Protection on the July 30, 1981 "Hydrogeologic Evaluation and Development of Clean Up Plan for Area of Contaminated Soil," Wright-Pierce for Union Chemical Co., Inc.

## 13.0 Community Relations

## 13.1 Correspondence

1. Letter from Gerald Brooks to Matthew Scot, State of Maine Department of Environmental Protection (May 21, 1979). Concerning complaint of deteriorating water quality in Quiggle Brook.
2. Letter from Edward M. Logue, State of Maine Department of Environmental Protection to Brian Powers, Hope's Committee for a Clean Environment (February 23, 1981). Concerning well sample results.
3. Letter from Edward M. Logue, State of Maine Department of Environmental Protection to Gus Johnson (February 23, 1981). Concerning well sample results.
4. Letter from Edward M. Logue, State of Maine Department of Environmental Protection to South Hope Grange (February 23, 1981). Concerning well sample results.
5. Letter from Joseph N. DeCola, EPA Region I to Jill DeLaney (April 6, 1981) with the attached "Statement of Deficiencies and Plan of Correction." Concerning treatment, storage, and disposal of hazardous wastes.
6. Letter from David A. Dumas, State of Maine Department of Environmental Protection to Jill DeLaney (May 15, 1981). Concerning burning of halogenated solvents and use of chlorine.
7. Letter from Jill DeLaney to John A. Krueger and Edward M. Logue, State of Maine Department of Environmental Protection (May 28, 1981) with the attached May 20, 1981 "Maine DEP Officials are Weary of Complaints on Firm, They Say," Bangor Daily News - Bangor, ME. Concerning inquiry on latest test results.
8. Letter from Jill DeLaney to William F. Sarro, EPA Region I (May 28, 1981). Concerning request for an on-site inspection report.
9. Letter from Edward M. Logue, State of Maine Department of Environmental Protection to Jill DeLaney (June 2, 1981). Concerning lab results.
10. Letter from William F. Sarro, EPA Headquarters to Jill DeLaney (June 5, 1981). Concerning a request for a copy of an inspection report dated April 13, 1981.

## 13.1 Correspondence (cont'd.)

11. Letter from John A. Krueger, State of Maine Department of Environmental Protection to Jill DeLaney (June 12, 1981). Concerning a response to the attached May 31, 1981 Letter from Jill DeLaney.
12. Letter from Jill DeLaney to Henry E. Warren, State of Maine Department of Environmental Protection (July 14, 1981). Concerning fumes and new site location.
13. Letter from Joseph E. Brennan, Governor of the State of Maine to Michael Christensen (September 11, 1981). Concerning petition and site regulations.
14. Letter from Edward M. Logue, State of Maine Department of Environmental Protection to Brian Powers (September 15, 1981). Concerning well samples.
15. Letter from David L. Hall to Joseph E. Brennan, Governor of the State of Maine (September 19, 1983). Concerning the effect of the noise level on the residents.
16. Letter from David A. Bradeen to Joseph E. Brennan, Governor of the State of Maine (September 26, 1983). Concerning health problem of resident.
17. Letter from Ursula A. Gillis, Concerned Citizens of Hope and Concerned Citizens of Maine to State of Maine Department of Environmental Protection (November 12, 1983) with attached petition from Concerned Citizens of Hope. Concerning a request for public hearing.
18. Letter from Greg Bogdan, State of Maine Department of Human Services to Maine Citizens (December 8, 1983). Concerning proposed public meeting at Hope Grange Hall on December 15, 1983 and transmittal of "The Prevalence of Selected Health Problems of Residents Living in the Vicinity of the Union Chemical Company" (December 1983).
19. Letter from Marion and Harry Merrifield (January 9, 1984). Concerning health effects and noise levels.
20. Letter from Jane Mitchell to State of Maine Department of Environmental Protection (January 12, 1984). Concerning the issuance of a permanent license.
21. Letter from Harold Cushman to State of Maine Department of Environmental Protection (January 16, 1984). Concerning resident's interest in problems on the site.
22. Letter from Louis M. and E.C. Hart to State of Maine Department of Environmental Protection (January 25, 1984). Concerning protest of hazardous waste storage license.
23. Letter from Fred Ribeck, Spectrum Artworks to State of Maine Department of Environmental Protection (January 26, 1984). Concerning issuance of a permanent license and photos of site stack emissions.
24. Letter from Stacy A. Ladner, State of Maine Department of Environmental Protection to Fred Ribeck, Spectrum Artworks (February 9, 1984). Concerning response to photo submission.
25. Letter from Stacy A. Ladner, State of Maine Department of Environmental Protection to Louis M. and E.C. Hart (February 9, 1984). Concerning "Hazardous Waste Application" file.
26. Letter from Greg Bogdan, State of Maine Department of Human Services to Hope Resident (February 14, 1984). Concerning the attached questionnaire and "Medical Records Release Authorization" form.
27. Letter from Greg Bogdan, State of Maine Department of Human Services to Carol MAJ. Larner, Concerned Citizens of Hope (February 16, 1984). Concerning follow-up survey efforts.
28. Letter from Carol MAJ. Larner, Concerned Citizens of Hope to David E. Boulter, State of Maine Department of Environmental Protection (March 12, 1984). Concerning request for meeting on license application.

## 13.1 Correspondence (cont'd.)

29. Letter from Stacy A. Ladner, State of Maine Department of Environmental Protection to Interested Citizen (March 15, 1984). Concerning proposed public hearing at Samoset Inn on April 4, 1984.
30. Memorandum from State of Maine Department of Environmental Protection to State of Maine Board of Environmental Protection (May 2, 1984). Concerning the attached:
  - A. Letter from Concerned Citizens of Hope to Henry E. Warren, State of Maine Board of Environmental Protection (February 23, 1984).
  - B. Letter from Roger R. Therriault and Carolie MAJ. Larner, Concerned Citizens of Hope to Henry E. Warren, State of Maine Department of Environmental Protection (April 30, 1984).
31. Letter from Carolie MAJ. Larner, Concerned Citizens of Hope to Henry E. Warren, State of Maine Department of Environmental Protection (June 4, 1984). Concerning requests to resume operations.
32. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Clifford H. Goodall, Dyer, Goodall and Zeegers (Attorney for Union Chemical Co., Inc.) (June 14, 1984). Concerning confirmation of planned State of Maine Department of Environmental Protection actions.
33. Letter from Michael R. Deland, EPA Region I to the Editor, Portland Press Herald (November 6, 1984). Concerning clean up procedures and removal of hazardous wastes.
34. Petition, Concerned Citizens of Hope (January 21, 1985).
35. Letter from Concerned Citizens of Hope to Henry E. Warren, State of Maine Department of Environmental Protection (May 10, 1985). Concerning the attached May 1985 petition.
36. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Carolie MAJ. Larner, Concerned Citizens of Hope (May 24, 1985). Concerning response to petition and site status.
37. Letter from Carolie MAJ. Larner, Concerned Citizens of Hope to Joseph E. Brennan, Governor of State of Maine (August 12, 1985). Concerning the removal of Union Chemical Co., Inc. and its staff from the site.
38. Letter from Martha D. Merrill to Joseph E. Brennan, Governor of State of Maine (August 18, 1985) with the attached "An Appeal to Reason by Raymond G. Esposito," The Courier-Gazette - Rockland, ME (June 27, 1985). Concerning the removal of Union Chemical Co., Inc. and its staff from the site.
39. Letter from Julie Jones to Henry D. Aho, State of Maine Department of Environmental Protection (November 19, 1985). Concerning proposed cleanup plans.
40. Letter from Carolie MAJ. Larner, Concerned Citizens of Hope to James J. Lysen, State of Maine Department of Environmental Protection (November 20, 1985). Concerning comments on the November 6, 1985 proposed cleanup plan.
41. Letter from David E. Boulter, State of Maine Department of Environmental Protection to Carolie MAJ. Larner, Concerned Citizens of Hope (February 5, 1986). Concerning receipt of petition.
42. Letter from Carolie MAJ. Larner, Concerned Citizens of Hope to Town of Hope Selectmen and Code Enforcement Officers (February 6, 1986). Concerning problems stemming from town ownership of the site.
43. Letter from John A. Blanchard, Town of Hope Board of Selectmen to David E. Boulter, State of Maine Department of Environmental Protection (February 21, 1986). Concerning support for State of Maine Department of Environmental Protection to take control over the site.

## 13.1 Correspondence (cont'd.)

44. Letter from Paul L. Gibbons, Calderwood, Ingrahm & Gibbons (Attorney for the Township of Hope) to Marc A. Lappe, PhD Consultant (February 24, 1987). Concerning a request for technical assistance with the attached:
  - A. "Residential Well Sampling in the Vicinity of Union Chemical Company."
  - B. "Table 1 - Sampling Results - 3-well Clusters."
  - C. "Letter of Intent," Township of Hope.
45. Letter from Paul L. Gibbons, Calderwood, Ingrahm & Gibbons (Attorney for the Township of Hope) to Marc A. Lappe, PhD Consultant (February 24, 1987). Concerning hazardous waste, drinking water, and safety concerns with the attached:
  - A. "Union Chemical Sampling," (December 1986).
  - B. Site Map of Union Chemical and Surrounding Area.
  - C. "Department of Environmental Protection Laboratory Results," (December 15, 1986).
  - D. "State of Maine Department of Environmental Protection Laboratory Results," (February 11, 1987).
46. Letter from Marc A. Lappe, PhD Consultant for the Township of Hope to Paul L. Gibbons, Calderwood, Ingrahm & Gibbons (Attorney for the Township of Hope) (March 1, 1987). Concerning the site evaluation.
47. Letter from David L. Hall, Township of Hope to Resident (April 8, 1987). Concerning potential effects of contaminants in the water system and citing Marc A. Lappe's recommendations.
48. Letter Report from Barry S. Timson, Earth Surface Research for Union Chemical Co., Inc. to Paul L. Gibbons, Calderwood, Ingrahm & Gibbons (Attorney for the Township of Hope) (May 9, 1987). Concerning a preliminary assessment of ground water.
49. Letter from Carolie MAJ. Lerner, Concerned Citizens of Hope to Paul L. Gibbons, Calderwood, Ingrahm & Gibbons (Attorney for the Township of Hope) (May 21, 1987). Concerning participation by Concerned Citizens of Hope in the June 1, 1987 meeting.
50. Letter from David M. Webster, EPA Region I to Carolie MAJ. Lerner, Concerned Citizens of Hope (June 15, 1987). Concerning an outline of EPA Region I's activities since the 1984 removal action.
51. Memorandum from Mark H. Bashor, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to The Record (September 4, 1987). Concerning a response to petition for a health assessment.
52. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (October 9, 1987). Concerning the attached data sheets to be placed at the Township of Hope Town Hall.
53. Letter from Patty D'Andrea, EPA Region I to Steven and Andrea Bowman (November 23, 1987) with attached list of individuals to whom similar letters were sent. Concerning thanks for interviews taken in preparation for the Community Relations Plan.
54. Letter from John A. Blanchard and David Hall, Township of Hope to Michael Jasinski, EPA Region I (December 11, 1987) with attached December 1, 1987 Letter from Carolie MAJ. Lerner, Concerned Citizens of Hope to John A. Blanchard, Township of Hope. Concerning drinking water and cooking water supplies.

## 13.1 Correspondence (cont'd.)

55. Letter from Michael Jasinski, EPA Region I to Carolie MAJ. Larner, Concerned Citizens of Hope (December 28, 1987). Concerning the transmittal of results from sampling of residential wells.
56. Letter from Michael Jasinski, EPA Region I to Marc A. Lappe, PhD Consultant for the Township of Hope (December 28, 1987). Concerning the transmittal of results from samplings of residential wells.
57. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (December 28, 1987). Concerning the transmittal of results from sampling of residential wells.
58. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (February 17, 1988). Concerning Township of Hope citizens request for drinking water and cooking water supplies.
59. Letter from Michael and Lisa Starrett to Michael Jasinski, EPA Region I (February 24, 1988). Concerning well testing and monitoring.
60. Petition, Citizens of the Township of Hope (March 10, 1988). Concerning health issues, research, and supplemental water supply.
61. Letter from Marilyn R. DiSirio, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to A. Mark Woodward, *Bangor Daily News* (March 17, 1988). Concerning the March 10, 1988 public meeting and prevention measures against potential exposures.
62. Meeting Agenda, Concerned Citizens of Hope (March 22, 1988). Concerning health study, water supply, and proposed citizens committee.
63. Letter from Patty D'Andrea, EPA Region I to Interested Citizens (March 23, 1988). Concerning the attached March 17, 1988 Letter from Marilyn R. DiSirio, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to A. Mark Woodward, *Bangor Daily News*.
64. Letter from Carolie MAJ. Larner, Concerned Citizens of Hope to Michael Jasinski, EPA Region I, Marilyn R. DiSirio and Louise House, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR), Cynthia M. Kuhns, State of Maine Department of Environmental Protection, Bob Frakes and Greg Bogden, State of Maine Board of Health, Randy C. Smith, Union Chemical Co., Inc., and John A. Blanchard, Township of Hope (March 24, 1988) with attached news clippings. Concerning joint conferences and public meetings.
65. Letter from Marilyn R. DiSirio, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to Township of Hope area residents (March 28, 1988). Concerning establishment of a working committee.
66. Letter from Cynthia M. Kuhns, State of Maine Department of Environmental Protection to Carolie MAJ. Larner, Concerned Citizens of Hope (April 11, 1988). Concerning the March 22, 1988 meeting and supplemental drinking water provisions.
67. Letter from Michael Jasinski, EPA Region I to Carolie MAJ. Larner, Concerned Citizens of Hope (April 12, 1988). Concerning response to March 10, 1988 petition.
68. Letter from Nancy V. Hicks, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to David L. Hall, Township of Hope (May 20, 1988). Concerning results of the April 18, 1988 meeting and recommendations on educational seminars for local physicians and residents.

## 13.1 Correspondence (cont'd.)

69. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (July 22, 1988). Concerning transmittal of items to replace and/or add to the May 1988 "Remedial Investigation/Feasibility Study Work Plan" at the Township of Hope Town Hall.
70. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (August 15, 1988). Concerning transmittal of organic vapor results, completed soil borings map, and ground water elevations map to be placed in the Township of Hope Town Hall.
71. Letter from Michael Jasinski, EPA Region I to Carolie MAJ. Lerner, Concerned Citizens of Hope (August 15, 1988). Concerning transmittal of organic vapor results, completed soil borings map, and ground water elevations map.
72. Letter from Michael Jasinski, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (August 15, 1988). Concerning transmittal of organic vapor results, completed soil boring map, and ground water elevations map.
73. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (September 12, 1988). Concerning transmittal of data on ground water elevations, analytical results for semi-volatiles/PCB-pesticides/inorganics, and analytical results from the air monitoring program to be placed in the Township of Hope Town Hall.
74. Letter from Michael Jasinski, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (September 12, 1988). Concerning transmittal of data on ground water elevations, analytical results for semi-volatiles/PCB-pesticides/inorganics, and analytical results from the air monitoring program.
75. Letter from Michael Jasinski, EPA Region I to Carolie MAJ. Lerner, Concerned Citizens of Hope (September 12, 1988). Concerning transmittal of attached packet of data.
76. Memorandum from Carolie MAJ. Lerner, Concerned Citizens of Hope to Michael Jasinski, EPA Region I (September 13, 1988). Concerning request for information.
77. Letter from Carolie MAJ. Lerner, Concerned Citizens of Hope to Michael Jasinski, EPA Region I (September 22, 1988). Concerning site security and request for response to the September 13, 1988 request for information.
78. Letter from Michael Jasinski, EPA Region I to Carolie MAJ. Lerner, Concerned Citizens of Hope (September 27, 1988). Concerning transmittal of maps and the September 2, 1988 "Health Assessment," U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR).
79. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (September 27, 1988). Concerning transmittal of maps and the September 2, 1988 "Health Assessment," U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to be placed at the Township of Hope Town Hall.
80. Letter from Michael Jasinski, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (September 27, 1988). Concerning transmittal of maps and the September 2, 1988 "Health Assessment," U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR).
81. Letter from Michael Jasinski, EPA Region I to Carolie MAJ. Lerner, Concerned Citizens of Hope (October 24, 1988). Concerning transmittal of the February 18, 1987 "On Scene Coordinator's Report," EPA Region I, as a partial response to the September 13, 1988 Letter from Carolie MAJ. Lerner, Concerned Citizens of Hope.

## 13.1 Correspondence (cont'd.)

82. Letter from Michael Jasinski, EPA Region I to Carolie MAJ. Larner, Concerned Citizens of Hope (October 24, 1988). Concerning the attached preliminary results of samples obtained from the incinerator and "off-site" areas.
83. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (February 8, 1989). Concerning transmittal of the January 1989 "Draft - Work Plan: Phase IB Remedial Investigation and Post-Screening Field Investigation," Canonie Environmental Services Corp. for the Union Chemical Site Trust to be placed in the Township of Hope Town Hall.
84. Letter from Ursula A. Gillis and Carolie MAJ. Larner, Concerned Citizens of Hope to David L. Hall, Township of Hope (February 16, 1989). Concerning request for an in-service education program and a morbidity study.
85. Letter from Louise House, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to Ursula A. Gillis, Concerned Citizens of Hope (March 6, 1989). Concerning plans for an in-service education program and a morbidity study.
86. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Rick Hamel, Principal of Hope Elementary School (April 27, 1989). Concerning confirmation of arrangements for public meeting.
87. Letter from Louise House, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to Carolie MAJ. Larner, Concerned Citizens of Hope (July 17, 1989). Concerning a correction to the March 6, 1989 Letter from Louise House, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to Ursula A. Gillis, Concerned Citizens of Hope with the attached:
  - A. Letter from Carolie MAJ. Larner, Concerned Citizens of Hope to David L. Hall, Township of Hope (February 16, 1989). Concerning request for an in-service education program and a morbidity study.
  - B. Telephone Notes Between Louise House, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) and George Buynowski, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) (March 8, 1989). Concerning the morbidity study schedule.
  - C. Telephone Notes Between Louise House, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) and George Buynowski, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) (March 1, 1989). Concerning a telephone conversation with Carolie MAJ. Larner, Concerned Citizens of Hope about the in-service education program.
  - D. Letter from Nancy V. Hicks, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to David L. Hall, Township of Hope (May 20, 1988). Concerning results of a meeting on April 18, 1988 and recommendations on educational seminars for local physicians and residents.
  - E. Letter from Louise House, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to Ursula A. Gillis, Concerned Citizens of Hope (March 6, 1989). Concerning plans for an in-service education program and a morbidity study.
88. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (September 6, 1989). Concerning transmittal of the August 1989 "Phase IB Remedial Investigation Work Plan," Canonie Environmental Services Corp. for the Union Chemical Site Trust to be placed in the Township of Hope Town Hall.

## 13.1 Correspondence (cont'd.)

89. "Hazardous Substances in the Environment and Human Health Effects," Meeting Handout for the Concerned Citizens of Hope Health Conference (September 16, 1989).
90. Letter from Michael Jasinski, EPA Region I to Carolie MAJ. Lerner, Concerned Citizens of Hope (October 23, 1989). Concerning transmittal of the October 9, 1989 "Draft Wetland Assessment," The Smart Associates for Canonic Environmental Services Corp. for the Union Chemical Site Trust.
91. Letter from Michael Jasinski, EPA Region I to John A. Blanchard, Township of Hope (October 27, 1989). Concerning transmittal of the "National Priorities List for Uncontrolled Hazardous Waste Sites—Final Rule Covering Sites Subject to the Subtitle C Corrective Action Authorities of the Resource Conservation and Recovery Act," Federal Register Vol. 54, No. 191 (October 4, 1989) and the August 7, 1989 Partial Consent Decree.
92. Letter from Margery L. Adams, EPA Region I to Carolie MAJ. Lerner, Concerned Citizens of Hope (January 12, 1990). Concerning transmittal of the June 6, 1989 Deposition of Raymond G. Esposito, *United States V. Union Research Co., Inc., Formerly Union Chemical Co., Inc., et al*, United States District Court for the District of Maine, Civil Action No. 87-0355 B.
93. Letter from John A. Blanchard, Township of Hope to Michael Jasinski, EPA Region I (January 24, 1990). Concerning the transmittal of Comments Dated January 14, 1990 from Marc A. Lappe, PhD Consultant for the Township of Hope on the August 1989 "Phase IB Remedial Investigation Work Plan," Canonic Environmental Services Corp. for the Union Chemical Site Trust.
94. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to John Walker, CDM Federal Programs Corporation (February 8, 1990). Concerning attached Union Chemical Hotline log.
95. Letter from Marc A. Lappe, Ph.D., Consultant for the Township of Hope to Paul L. Gibbons, Calderwood, Ingrahm & Gibbons (March 13, 1990). Concerning the March 12, 1990 conversation with Michael Jasinski.
96. Letter from Michael Jasinski, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (March 14, 1990). Concerning transmittal of the attached:
  - A. "Draft - Proposed Record of Decision (ROD) Schedule," EPA Region I (March 13, 1990).
  - B. "Attachment B - Names and Addresses of Potentially Responsible Parties," EPA Region I (March 23, 1987).
  - C. "Additional Names and Addresses of Parties to Whom Notification is Being Issued," EPA Region I (February 28, 1990).
  - D. "Public Involvement in the Superfund Program," EPA Headquarters (Fall 1987).
  - E. "The Superfund Remedial Program," EPA Headquarters (Fall 1987).
  - F. "Superfund," EPA Headquarters (Fall 1987).
  - G. "Superfund Glossary," EPA Headquarters (Winter 1986).
  - H. "State and Local Involvement In The Superfund Program," EPA Headquarters (Fall 1989).
  - I. "ATSDR Fact Sheet," U.S. Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR).
97. Letter from Michael Jasinski, EPA Region I to Carolie MAJ. Lerner, Concerned Citizens of Hope (March 26, 1990). Concerning transmittal of the attached well sample results from the Johnson, Melanson, Crabtree, Stanley, Chase, and Guidely residences, and an EPA field audit.

## 13.1 Correspondence (cont'd.)

98. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton to John Walker, CDM Federal Programs Corporation (April 6, 1990). Concerning attached Union Chemical Hotline log.
99. "Articles of Incorporation," Hope's Committee for a Clean Environment (April 17, 1990).
100. Letter from Michael Jasinski, EPA Region I to Marc A. Lappe, Ph.D., Consultant for the Town of Hope, Carolie MAJ. Larner, Concerned Citizens of Hope, and Brian Powers, Hope's Committee for a Clean Environment (April 23, 1990). Concerning transmittal of the February 1990 "Draft Report - Remedial Investigation," Canonic Environmental Services Corp. for the Union Chemical Site Trust.
101. "Technical Advisor Subagreement," Hope's Committee for a Clean Environment and Benjamin Ross, Disposal Safety Incorporated (June 25, 1990).
102. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Carolie MAJ. Larner, Concerned Citizens of Hope (July 10, 1990). Concerning enclosed fact sheet on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
103. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Brian Powers, Hope's Committee for a Clean Environment (July 10, 1990). Concerning enclosed fact sheet on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
104. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Benjamin Ross, Ph.D., Hope's Committee for a Clean Environment (July 10, 1990). Concerning enclosed fact sheet on the July 1990 "EPA Proposes Cleanup Plan for the Union Chemical Co., Inc. Superfund Site," EPA Region I.
105. Letter from Michael Jasinsky, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (July 24, 1990). Concerning discussions at the July 12, 1990 public informational meeting.
106. "Technical Advisor Subagreement," Hope's Committee for a Clean Environment and Marc A. Lappe, Ph.D. (July 26, 1990).
107. Letter Report from Carolie MAJ. Larner, Concerned Citizens of Hope (August 2, 1990). Concerning groundwater flow rate under pumping conditions at the site.
108. "Technical Advisor Subagreement," Hope's Committee for a Clean Environment and Beverly Paigin, Jackson Laboratory (August 20, 1990).
109. "Petition," Concerned Citizens of Hope (August 23, 1990). Concerning citizens' demands of the State of Maine Department of Environmental Protection, EPA Region I and all Potentially Responsible Parties.
110. Letter from Michael Jasinski, EPA Region I to Thomas Sims, AFRCE-ER (September 4, 1990). Concerning Mr. Sims' request for information.
111. Letter Report from Carolie MAJ. Larner, Concerned Citizens of Hope (September 7, 1990). Concerning incinerator testing.
112. Letter from Mary H. Grealish, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (September 20, 1990). Concerning articles of incorporation.
113. Letter from the U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to Residents of the South Hope area. Concerning information for the mortality study.

### 13.2 Community Relations Plans

1. "Final Report - Community Relations Plan," CDM Federal Programs Corporation (March 21, 1988).
2. "Community Relations Plan for Immediate Removal," EPA Region I.

### 13.3 News Clippings/Press Releases

#### News Clippings

1. "Union Firm, State Working Together On Complicated Chemical Disposal Plan," The Courier-Gazette - Rockland, ME (May 1, 1979).
2. "Hazardous Waste Plant Application Raises Fears Of Hope Residents," The Courier-Gazette - Rockland, ME (October 2, 1980).
3. "Waste Firm's Proposed Expansion Draws Fire At South Hope Hearing," Bangor Daily News - Bangor, ME (October 3, 1980).
4. "DEP Recommends To BEP Air Emission Permit Be Granted To Union Chemical," The Camden-Herald - Camden, ME (October 9, 1980).
5. "Petition Opposes Waste Recycling," The Courier-Gazette - Rockland, ME (October 9, 1980).
6. "DEP Will Recommend License For Union Chemical," The Courier-Gazette - Rockland, ME (October 9, 1980).
7. "DEP Staff Backs S. Hope Firm Permit," Portland Press Herald - Portland, ME (October 9, 1980).
8. "Union Chemical President Doesn't See Overwhelming Permit Opposition," The Camden-Herald - Camden, ME (October 9, 1980).
9. "DEP Approves Union Chemical Incinerator," Bangor Daily News - Bangor, ME (October 10, 1980).
10. "Hope Planning Board To Meet On Union Chemical," The Camden-Herald - Camden, ME (October 23, 1980).
11. "After Active Response: BEP Postpones Ruling on Union Chemical Co. Air Emissions License," The Courier-Gazette - Rockland, ME (October 23, 1980).
12. "Hearing Deferred on Waste," Bangor Daily News - Bangor, ME (October 24, 1980).
13. "Public Notice - The Hope Planning Board Will Hold A Meeting at the South Hope Grange Hall on October 28th at 7:30 P.M.," The Courier-Gazette - Rockland, ME (October 25, 1980).
14. "Chemical Firm Denied Boiler Permit," Portland Press Herald - Portland, ME (October 30, 1980).
15. "Union Chemical's Permit Refused," Bangor Daily News - Bangor, ME (October 30, 1980).
16. "Union Chemical Is Denied Permit," The Camden-Herald - Camden, ME (October 30, 1980).
17. "Unrealistic Assurances Asked," The Courier-Gazette - Rockland, ME (November 4, 1980).
18. "BEP Grants Air License To Union Chemical Co.," The Camden-Herald - Camden, ME (November 13, 1980).
19. "Union Chemical Granted Temporary Air Emission License by BEP," The Courier-Gazette - Rockland, ME (November 13, 1980).
20. "Chemical Recovery Opposed," The Courier-Gazette - Rockland, ME (November 18, 1980).
21. "South Hope Resident Sues Union Chemical Co. Owner," The Camden-Herald - Camden, ME (November 20, 1980).
22. "Hope Planning Board Down By Two; Esposito Re-submits Application," The Camden-Herald - Camden ME (November 27, 1980).
23. "Hope Planning Board Back To Full Membership, Hardy Chairman," The Courier-Gazette - Camden, ME (December 4, 1980).

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

## News Clippings

24. "Tensions At The Breaking Point In South Hope," The Camden-Herald - Camden, ME (December 4, 1980).
25. "Something Rotten In Hope, And Elsewhere," The Camden-Herald - Camden, ME (December 4, 1980).
26. "Hope Residents Blame Illnesses On Chemical Plant," Bangor Daily News - Bangor, ME (December 5, 1980).
27. "Esposito: Neighbors Suing To Close Plant," Portland Press Herald - Portland, ME (December 5, 1980).
28. "South Hope Residents Gather To Discuss Union Chemical Issue," The Courier-Gazette - Rockland, ME (December 11, 1980).
29. "Lawsuit Seeks Emission Control, Damages From Union Chemical," Courier-Gazette - Rockland, ME (December 11, 1980).
30. "Union Chemical Sues Hope Board," Portland Press Herald - Portland, ME (December 12, 1980).
31. "Union Chemical Seeks To Void Board Decision," Bangor Daily News - Bangor, ME (December 12, 1980).
32. "A Chemical Plant Brews Controversy," The Boston Sunday Globe - Boston, MA (December 14, 1980).
33. "No Clue to Pollution in Solvent Reclamation," Bangor Daily News - Bangor, ME (December 16, 1980).
34. "Misconceptions In Hope?," The Courier-Gazette - Rockland, ME (December 18, 1980).
35. "Not All One Sided," The Courier-Gazette - Rockland, ME (December 18, 1980).
36. "South Hope Gears Up For Tuesday Night; Union Chemical Application To Be Pondered," The Camden-Herald - Camden, ME (January 1, 1981).
37. "Toxic Waste Plan Studied In Maine," The Boston Globe - Boston, MA (January 11, 1981).
38. "Waste Rulings' Rejection Pleases Union Chemical," Portland Press Herald - Portland, ME (March 11, 1981).
39. "Chemical Company Embattled," Bangor Daily News - Bangor, ME (April 13, 1981).
40. "Board Upholds Union Chemical Building Permit," Portland Press Herald - Portland, ME (May 1, 1981).
41. "Maine DEP Officials Are Weary Of Complaints On Firm, They Say," Bangor Daily News - Bangor, ME (May 20, 1981).
42. "Hope Plant Exceeds EPA Standards - Chemical Levels Too High," The Camden-Herald - Camden, ME (June 4, 1981).
43. "Hazardous Waste Study," The Boston Globe - Boston, MA (August 16, 1982).
44. "Recycling Hazardous Waste - One-Man Project Becomes A Viable, Vital Business," Maine Sunday Telegram - Portland, ME (December 19, 1982).
45. "Union Says Waste Law Won't Stand," Portland Press Herald - Portland, ME (May 20, 1983).
46. "Firm Calls Violations Only Technicalities," Maine Sunday Telegram - Portland, ME (May 20, 1983).
47. "EPA Seeks \$15K From Union Chem.," Lewiston Daily Sun - Lewiston, ME (November 18, 1983).
48. "EPA Fines Chemical Co.," The Courier-Gazette - Rockland, ME (November 19, 1983).
49. "EPA Fines Union Chemical \$15,000," The Camden-Herald - Camden, ME (November 24, 1983).
50. "Union Chemical Fights Fine," The Camden-Herald - Camden, ME (December 8, 1983).

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

## News Clippings

51. "Union Chemical - A Last Minute Reprieve," Maine Times - Topsham, ME (April 20, 1984).
52. "Town Has Waste Site Problem," The Boston Globe - Boston, MA (May 13, 1984).
53. "Aftermath At Union Chemical - Maine's Only Hazardous Waste Disposal Facility Is Closed - Did It Have To Happen," Maine Times - Topsham, ME (July 19, 1984).
54. "Union Chemical Hauls Off Drums," Bangor Weekend - Bangor, ME (July 21, 1984).
55. "Union Chemical Clean Up Begins," The Courier-Gazette - Rockland, ME (July 21, 1984).
56. "400 Barrels Removed - Chemical Cleanup Continues," The Camden-Herald - Camden, ME (July 26, 1984).
57. "Esposito Says Will Seek Relicensing Of Plant," The Courier-Gazette - Rockland, ME (September 11, 1984).
58. "Private Meeting With DEP Is Denied," The Courier-Gazette - Rockland, ME (September 13, 1984).
59. "Union Chemical Seeks Local Area Support," The Camden-Herald - Camden, ME (September 13, 1984).
60. "Plant Relicensing Possible If Regulations Followed," The Courier-Gazette - Rockland, ME (September 18, 1984).
61. "EPA Crews Called Sloppy," Portland Press Herald - Portland, ME (October 10, 1984).
62. "Visit Satisfies DEP Officials With EPA's Union Cleanup," Portland Press Herald - Portland, ME (October 11, 1984).
63. "Union Chemical Cleanup - EPA's Work Questioned In DEP Files," Portland Press Herald - Portland, ME (October 30, 1984).
64. "State Wants Explanation Of Barrels," The Courier-Gazette - Rockland, ME (March 23, 1985).
65. "Plant Owner Says Barrels Pose No Hazards," The Courier-Gazette - Rockland, ME (March 26, 1985).
66. "DEP To Test 400 Barrels At Union Chemical Plant," The Camden-Herald - Camden, ME (March 28, 1985).
67. "DEP, Esposito Waging Debate Over New Barrels," Portland Press Herald - Portland, ME (March 29, 1985).
68. "Plant To Get 'Superfund' Cleanup Money," Portland Press Herald - Portland, ME (March 29, 1985).
69. "Maine Plant May Join Dump List," Portland Press Herald - Portland, ME (March 30, 1985).
70. "EPA Will List Maine Waste Site," The Boston Globe - Boston, MA (March 30, 1985).
71. "Union Chemical On Superfund List," The Courier-Gazette - Rockland, ME (March 30, 1985).
72. "Owner Criticizes Superfund Designation," Portland Press Herald - Portland, ME (April 3, 1985).
73. "Esposito Defends Union Chemical," Bangor Daily News - Bangor, ME (April 3, 1985).
74. "Esposito Blasts Superfund Move," Portland Press Herald - Portland, ME (April 3, 1985).
75. "Esposito Blasts EPA Action On Union Chemical," The Courier-Gazette - Rockland, ME (April 4, 1985).

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

## News Clippings

76. "Road-Entry Permit Needed To Finish Laying Pipe," Bangor Daily News - Bangor, ME (June 20, 1985).
77. "Chemical Dispute Still Burns - Barrels At Union Chemical Spark New Calls To Close It Down," Maine Sunday Telegram - Portland, ME (June 23, 1985).
78. "DEP Lawsuit Seeks Forfeiture Of Union Chemical Plant to State," The Courier-Gazette - Rockland, ME (July 25, 1985).
79. "DEP Sues Union Chemical, Seeks Total Removal," The Camden-Herald - Camden, ME (July 25, 1985).
80. "Union Chemical Owner Sues Three DEP Officials," Portland Press Herald - Portland, ME (July 25, 1985).
81. "Fence Dispute Caused DEP Forfeiture Action," The Courier-Gazette - Rockland, ME (July 27, 1985).
82. "Detailed Plan Unveiled For Soil, Water Contamination Cleanup," The Courier-Gazette - Rockland, ME (November 5, 1985).
83. "DEP Says Union Chemical Cleanup A Long-Term Job," The Camden-Herald - Camden, ME (November 14, 1985).
84. "Hope Citizens Press State for Answers," Bangor Daily News - Bangor, ME (January 23, 1986).
85. "Hope Group Due Recognition," The Courier-Gazette - Rockland, ME (May 29, 1986).
86. "Court Orders Closing Of Union Chemical," Portland Press Herald - Portland, ME (June 6, 1986).
87. "Union Chemical Well Drilling Begins," The Courier-Gazette - Rockland, ME (June 24, 1986).
88. "Test Wells Drilled To Determine Contamination At Union Chemical," Bangor Daily News - Bangor, ME (June 25, 1986).
89. "DEP Official Visits Cleanup Site," Portland Press Herald - Portland, ME (June 25, 1986).
90. "Plant Cleanup Could Reach \$2 Million," The Courier-Gazette - Rockland, ME (June 26, 1986).
91. "Esposito Blames Neighbors For Prank," Portland Press Herald - Portland, ME (July 29, 1986).
92. "Sugar Found In Tank At Union Chemical Plant," The Courier-Gazette - Rockland, ME (July 31, 1986).
93. "Esposito Bids Farewell, DEP Cleanup Continues," The Courier-Gazette - Rockland, ME (August 2, 1986).
94. "Esposito Off Union Chemical Site," Portland Press Herald - Portland, ME (August 5, 1986).
95. "DEP Still Drilling In Hope," Portland Press Herald - Portland, ME (August 23, 1986).
96. "Portland Firm Assists In Union Chemical Cleanup," The Courier-Gazette - Rockland, ME (August 26, 1986).
97. "Wells Installed At Union Chemical," Portland Press Herald - Portland, ME (January 8, 1987).
98. "Chemical Drum Clean-Up Costs Soar," The Courier-Gazette - Rockland, ME (January 15, 1987).
99. "Waste Worse Than Claimed - Citizens Want Perjury Charges," Portland Press Herald - Portland, ME (January 17, 1987).
100. "Companies May Be Billed For Union Chemical Cleanup," The Courier-Gazette - Rockland, ME (May 7, 1987).

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

## News Clippings

101. "At Union Chemical Site - Waste Contamination May Be Widespread," The Courier-Gazette - Rockland, ME (May 7, 1987).
102. "Pollution Risk Estimates Rise," Portland Press Herald - Portland, ME (May 7, 1987).
103. "Public Meeting Called - Union Chemical Danger Underestimated By DEP," The Camden-Herald - Camden, ME (May 7, 1987).
104. "Toxicologist Says S. Hope In Danger," Maine Sunday Telegram - Portland, ME (May 10, 1987).
105. "Health Risks From The Union Chemical Co. Are Perhaps More Serious," Bangor Daily News - Bangor, ME (May 11, 1987).
106. "EPA Urged To List Hope Site On Superfund Cleanup List," Bangor Daily News - Bangor, ME (May 13, 1987).
107. "Hazardous Waste - Worst He's Seen," Maine Times - Portland, ME (May 22, 1987).
108. "EPA Agrees To Begin Well Testing In Hope," The Camden-Herald - Camden, ME (June 11, 1987).
109. "Waste Problem Plagues Town," The Boston Globe - Boston, MA (June 21, 1987).
110. "Selectmen Receive Letter From EPA On Union Chemical Problem," The Camden-Herald - Camden, ME (June 25, 1987).
111. "Union Chemical Off Superfund, EPA Says Site Work Will Proceed," The Courier-Gazette - Rockland, ME (July 23, 1987).
112. "Brennan Offers Help On Dropped Waste Site," Portland Press Herald - Portland, ME (July 28, 1987).
113. "Superfund Exclusion Explained," Portland Press Herald - Portland, ME (July 31, 1987).
114. "Union Chemical Study May Take Two Years," The Courier-Gazette - Rockland, ME (August 1, 1987).
115. "Water Company Tests For Chemical Runoff," The Courier-Gazette - Rockland, ME (August 1, 1987).
116. "Health To Be Surveyed In South Hope," The Courier-Gazette - Rockland, ME (August 18, 1987).
117. "EPA: Chemicals In Hope Wells," The Camden-Herald - Camden, ME (September 17, 1987).
118. "Companies Agree To Aid In Cleanup At Union Chemical," Bangor Daily News - Bangor, ME (September 18, 1987).
119. "Firms To Pay For Cleanup," Portland Press Herald - Portland, ME (September 18, 1987).
120. "Consultant Opposes Water-Use Proposal," Bangor Daily News - Bangor, ME (September 18, 1987).
121. "Toxicologist Says Hope Contamination 'Nipped In the Bud,'" Portland Press Herald - Portland, ME (September 18, 1987).
122. "State And Federal Officials Promise More Tests On South Hope Wells," Bangor Daily News - Bangor, ME (September 23, 1987).
123. "EPA Hedges On Well Testing," Portland Press Herald - Portland, ME (September 23, 1987).
124. "Lappe Warns Hope: Plume Moving," The Camden-Herald - Camden, ME (September 24, 1987).
125. "Hope Accuses EPA, DEP of Dragging Feet," The Courier-Gazette - Rockland, ME (October 24, 1987).

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

## News Clippings

126. "Wells Near Union Chemical To Be Tested For Contamination," Maine Weekend - Bangor, ME (October 24, 1987).
127. "Esposito Land Auction Set To Recover Losses," The Courier-Gazette - Rockland, ME (October 27, 1987).
128. "Proposed Settlement Reached In Union Chemical Cleanup," Bangor Daily News - Bangor, ME (October 27, 1987).
129. "Firms Agree To Pay Clean-Up Costs," The Courier-Gazette - Rockland, ME (October 29, 1987).
130. "Government Sues Users Of Union Chemical Dump," Portland Press Herald - Portland, ME (November 7, 1987).
131. "EPA Files Suit In Cleanup Case," Evening Express - Portland, ME (November 7, 1987).
132. "Lawsuit Filed Over Chemical Cleanup," The Courier-Gazette - Rockland, ME (November 10, 1987).
133. "EPA Lawsuit Names Union Chemical," The Camden Herald - Camden, ME (November 12, 1987).
134. "Chemical Site Cleanup Plan Readied," The Courier-Gazette - Rockland, ME (December 8, 1987).
135. "EPA Well Tests In South Hope Reveal Toxins," The Camden-Herald - Camden, ME (January 7, 1988).
136. "Union Chemical Contamination Spreading," Bangor Daily News - Bangor, ME (January 7, 1988).
137. "More Wells Show Traces of Pollution," Portland Press Herald - Portland, ME (January 8, 1988).
138. "Water Pollution Spreads In Hope," Maine Sunday Telegram - Portland, ME (January 10, 1988).
139. "Expert Says Hope Toxins Spreading," Portland Press Herald - Portland, ME (January 13, 1988).
140. "Union Chemical Pollution Worse Than First Expected," Bangor Daily News - Bangor, ME (January 13, 1988).
141. "Pollution Exceeding Estimates," The Courier-Gazette - Rockland, ME (January 14, 1988).
142. "25 Groups Pay \$69,000 for Cleanup," Bangor Daily News - Bangor, ME (January 15, 1988).
143. "DEP Cautious On Latest Chemical Co. Site Report," The Courier-Gazette - Rockland, ME (January 16, 1988).
144. "Hope Citizens Angry With Town, Union Chemical," Bangor Daily News - Bangor, ME (January 18, 1988).
145. "Accord Reached On Site Cleanup," Evening Express - Portland, ME (January 21, 1988).
146. "Union Chemical Cleanup To Resume," Portland Press Herald - Portland, ME (January 21, 1988).
147. "Union Chemical Dumpers Come To Terms With EPA," The Courier-Gazette - Rockland, ME (January 23, 1988).
148. "Meeting Focuses On Status Of Union Chemical," The Courier-Gazette - Rockland, ME (February 20, 1988).
149. "EPA, DEP Promise Not To Forget Waste Site," Portland Press Herald - Portland, ME (February 24, 1988).
150. "Federal Agency To Assess Area Of Defunct Union Chemical Company," Bangor Daily News - Bangor, ME (February 24, 1988).

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

## News Clippings

151. "EPA Installs New Union Chemical Hotline," The Camden-Herald - Camden, ME (February 25, 1988).
152. "EPA Opens Union Chemical Hotline," The Courier-Gazette - Rockland, ME (March 3, 1988).
153. "EPA Installs Cleanup Hotline," Bangor Daily News - Bangor, ME (March 3, 1988).
154. "Hazardous Waste Hotline Set Up," Kennebec Journal - Augusta, ME (March 5, 1988).
155. "Don't Drink Water At Crawford Pond, Says EPA," Bangor Daily News - Bangor, ME (March 11, 1988).
156. "EPA To Respond," Portland Herald Press - Portland, ME (March 12, 1988).
157. "Agency To Test Waters Feeding Crawford Pond," Bangor Daily News - Bangor, ME (March 15, 1988).
158. "Possibility Of Pond Contamination Is Said 'Overly Cautious' Warning," The Courier-Gazette - Rockland, ME (March 15, 1988).
159. "ATSDR On Union Chemical: Tests On Off-Site Soils Needed," The Camden-Herald - Camden, ME (March 17, 1988).
160. "Broad-Based Panel To Study Effects Of Contamination," The Courier-Gazette - Rockland, ME (March 24, 1988).
161. "Health Study Plan Urged," The Courier-Gazette - Rockland, ME (April 2, 1988).
162. "DEP OKs Warren Pond Site," Bangor Daily News - Bangor, ME (April 12, 1988).
163. "DEP Tests Reveal Crawford Clean, Quiggle Shows Heavy Metals Traces," The Camden Herald - Camden, ME (April 14, 1988).
164. "Union Chemical Listed One Of 'Terrible Ten'," The Courier-Gazette, Rockland, ME (April 16, 1988).
165. "Waste Site Plans Due For Hearing," Evening Express - Portland, ME (May 7, 1988).
166. "Waste-Site Tests Reveal Solvents," Portland Press Herald - Portland, ME (May 7, 1988).
167. "Cleanup Process Continues At Union Chemical Site," The Courier-Gazette - Rockland, ME (May 7, 1988).
168. "DEP Schedules Union Chemical Public Meeting," The Camden-Herald - Camden, ME (May 12, 1988).
169. "Site Work To Begin At Chemical Company," The Courier-Gazette - Rockland, ME (May 14, 1988).
170. "Chemical Cleanup Set For Fall Start," Portland Press Herald - Portland, ME (May 20, 1988).
171. "Union Chemical Cleanup Creeps Closer," The Courier-Gazette - Rockland, ME (May 21, 1988).
172. "Hope Cleanup Plans Slowly Taking Shape," Sunday Sun Journal - Lewiston, ME (May 22, 1988).
173. "Towns Hire Experts To Untangle Red Tape," Sunday Sun Journal - Lewiston, ME (May 22, 1988).
174. "Union Chemical Plant Again On EPA Priority Cleanup List," Maine Weekend - Bangor, ME (July 16, 1988).
175. "Hope Site Proposed For Cleanup List," Portland Press Herald - Portland, ME (July 16, 1988).
176. "Union Chemical Site Again Proposed For Inclusion On Priority List," The Camden-Herald - Camden, ME (July 21, 1988).

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

## News Clippings

177. "Union Chemical Company Site Reproposed Onto NPL," Free Press - Rockland, ME (July 25, 1988).
178. "DEP Reports Finding Additional Spills At Chemical Site," The Courier-Gazette - Rockland, ME (July 26, 1988).
179. "Legislature OKs Water Moratorium," The Courier-Gazette - Rockland, ME (September 17, 1988).
180. "Water Co., Businesses Rap Ponds Bill," The Courier-Gazette - Rockland, ME (September 22, 1988).
181. "One-Year Moratorium On Fish Pond Water Supply Passed In Augusta," The Camden-Herald - Camden, ME (September 22, 1988).
182. "Security To Tighten In Wake Of Thefts At Union Chemical," The Courier-Gazette - Rockland, ME (September 24, 1988).
183. "Tests For Pond Pollution Yield Minimal Trace Levels," The Courier-Gazette - Rockland, ME (September 27, 1988).
184. "Water Co. Plan Taps Ponds," The Courier-Gazette - Rockland, ME (November 12, 1988).
185. "Water Co. Unveils Fish-Hobbs Plan," The Camden-Herald - Camden, ME (November 17, 1988).
186. "Hearing To Brief Public On Union Chemical," The Courier-Gazette - Rockland, ME (January 21, 1989).
187. "Hearing To Take Up Chemical Report," Portland Press Herald - Portland, ME (January 25, 1989).
188. "Meeting Slated To Review Study," The Camden-Herald - Camden, ME (January 26, 1989).
189. "Report Calls Hope Ponds Safe," The Courier-Gazette - Rockland, ME (January 26, 1989).
190. "Canonic: Fish Pond Is Clean," The Camden-Herald - Camden, ME (January 26, 1989).
191. "Work Plan For Union Chemical Site Released," The Camden-Herald - Camden, ME (February 23, 1989).
192. "Union Chemical Plan Lists Next Work Phase," The Courier-Gazette - Rockland, ME (February 25, 1989).
193. "Bill Would Withdraw Water Rights," The Courier-Gazette - Rockland, ME (April 29, 1989).
194. "Water Bill Is Wrong Solution," The Courier-Gazette - Rockland, ME (April 29, 1989).
195. "EPA Orders Clean-Up Cost Recovery," The Courier-Gazette - Rockland, ME (May 25, 1989).
196. "Firms To Pay Clean-Up Costs," The Courier-Gazette - Rockland, ME (May 27, 1989).
197. "Responsible Parties To Fund Union Chemical Cleanup; Esposito Won't Pay," The Camden-Herald - Camden, ME (June 1, 1989).
198. "South Hope Site Added To Federal Superfund List," Kennebec Journal - Augusta, ME (September 29, 1989).
199. "Union Chemical Makes Final Superfund List," The Courier-Gazette - Rockland, ME (October 21, 1989).
200. "Union Chemical Dump Makes EPA Priority List," Portland Press Herald - Portland, ME (October 24, 1989).
201. "Federal Aid Available For Hope Clean-Up," The Camden-Herald - Camden, ME (October 26, 1989).

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

## News Clippings

202. "Private Consultant To Report To Hope Officials On Ecological Report About Union Chemical," Bangor Daily News - Bangor, ME (October 31, 1989).
203. "Lawyer Urges More Testing At Union Chemical," Portland Press Herald - Portland, ME (January 23, 1990).
204. "Consultant Disagrees with Study's Conclusions," Bangor Daily News - Bangor, ME (January 23, 1990).
205. "Lawyer Urges More Testing at Union Chemical," Portland Press Herald - Portland, ME (January 23, 1990).
206. "Union Chemical Report Doubted," The Courier-Gazette - Rockland, ME (January 23, 1990).
207. "Testing of Union Chemical Site Recommended," Bangor Daily News - Bangor, ME (March 22, 1990).
208. "EPA Says Chemicals Moving Through South Hope Bedrock," The Courier-Gazette - Rockland, ME (March 24, 1990).
209. "Private Test Shows Higher Pollution In Hope's Water," Portland Press Herald - Portland, ME (March 24, 1990).
210. "Former Chemical Plant Owner Denies Polluting," Bangor Daily News - Bangor, ME (April 16, 1990).
211. "Union Chemical Report To Be Topic At Public Hearing," Bangor Daily News - Bangor, ME (April 25, 1990).
212. "Union Chemical Studies Are Focus Of Meeting," The Camden Herald - Camden, ME (April 26, 1990).
213. "Union Chemical Report Focus Of Meeting May 2," The Courier-Gazette - Rockland, ME (April 26, 1990).
214. "Study Says Hope Wells Safe," Portland Press Herald - Portland, ME (May 3, 1990).
215. "Canonie Reports Union Chemical Is 'No Danger'," The Camden Herald - Camden, ME (May 10, 1990).
216. "EPA Confirms Test Results," The Courier-Gazette - Rockland, ME (May 10, 1990).
217. "The U.S. Environmental Protection Agency Invites Public Comment On The Administrative Record And Proposed Plan For The Union Chemical Company, Inc. Superfund Site in South Hope, Maine," The Camden Herald - Camden, ME (July 5, 1990).
218. "EPA Reschedules Hope Meeting," The Courier Gazette - Rockland, ME (July 7, 1990).
219. "Hope Cleanup Hearing Thursday," Portland Press Herald - Portland, ME (July 9, 1990).
220. "EPA To Present Plan For Cleanup At Hope," Bangor Daily News - Bangor, ME (July 11, 1990).
221. "Hearing Tonight On Union Chemical Cleanup Plan," The Camden Herald - Camden, ME (July 12, 1990).
222. "Chemical Cleanup May Take 33 Years," Portland Press Herald - Portland, ME (July 13, 1990).
223. "Site Cleanup Could Take A Generation," The Courier-Gazette - Rockland, ME (July 14, 1990).
224. "An Ounce Of Prevention," The Evening Express - Portland, ME (July 18, 1990).
225. "Chemical Cleanup Will Take Years," The Camden Herald - Portland, ME (July 19, 1990).
226. "Residents Fear Chemical Legacy," Portland Press Herald - Portland, ME (August 1, 1990).
227. "Critics Say Cleanup Proposal Falls Short," Bangor Daily News - Bangor, ME (August 2, 1990).

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

## News Clippings

228. "Cleanup Plans Draw Scant Comment," Portland Press Herald - Portland, ME (August 2, 1990).
229. "Citizen Renews Call For Health Testing," The Courier-Gazette - Rockland, ME (August 4, 1990).
230. "Environmental Protection Agency Extends Comment Period On Contamination at Hope," Bangor Daily News - Bangor, ME (August 7, 1990).
231. "Union Chemical Neighbors Demand Medical Tests," The Camden Herald - Camden, ME (August 9, 1990).
232. "Comments Halted On Hope Cleanup," Portland Press Herald - Portland, ME (August 20, 1990).
233. "Hope Residents Play For Time," Portland Press Herald - Portland, ME (August 21, 1990).
234. "Request Denied For Comment Extension," The Courier-Gazette - Rockland, ME (August 21, 1990).
235. "Let's Not Slow The Cleanup More," The Kennebec Journal - Augusta, ME (August 22, 1990).
236. "Hope Pressures EPA To Allow Experts To Testify," The Camden Herald - Camden, ME (August 23, 1990).
237. "EPA Grants Extension To Hope," The Camden Herald - Camden, ME (August 30, 1990).
238. "EPA Extends Time For Comment On Union Chemical Plan," The Courier-Gazette - Rockland, ME (August 30, 1990).
239. "EPA Extends Comment Period," Bangor Daily News - Bangor, ME (August 30, 1990).
240. "Experts Ready Briefs In So. Hope Cleanup," The Courier-Gazette - Rockland, ME (September 1, 1990).
241. Letter to the Editor: "Gift Of Time," The Camden Herald - Camden, ME (September 6, 1990).
242. "Panel Says Cleanup Falls Short," Portland Press Herald - Portland, ME (September 18, 1990).
243. "Hope Cleanup Plan Not Enough, Consultants Say," Bangor Daily News - Bangor, ME (September 18, 1990).
244. "Experts Say Cleanup Plan Falls Short," The Courier-Gazette - Rockland, ME (September 20, 1990).
245. "Concerns With EPA Plan Raised," The Camden Herald - Camden, ME (September 20, 1990).
246. Letters To The Editor: "Protect Hope's Ponds" and "Recreational Use Of Fish And Hobbs Pond," The Camden-Herald - Camden, ME.
247. "EPA: Union Chemical Water Clean-Up Could Be 50 Years."
248. "Concerned Citizens Of Hope Force The Close-Down Of Union Chemical," Maine People's Alliance.
249. "Well Contamination Or Improved Flow."
250. "\$400,000 Superfund Allocation - EPA Begins Union Chem. Cleanup," The Courier-Gazette - Rockland, ME.
251. "Chemical Boiler Gets DEP Permit," Portland Press Herald - Portland, ME.
252. "Judge Decides - Union Chemical Drum Storage Increased."
253. "EPA Denies Extension For Hope Toxic Waste Study."
254. "EPA Lengthens Comment Time On Cleanup Plan."
255. "Union Chemical Suit Against Town Only A 'Defensive Action,' Says Esposito."
256. "Civil Action Against Union Firm Filed Friday At Superior Court."

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

## News Clippings

- 257. "Civil Action Filed Against Esposito."
- 258. "Waste Firm Head Sued."
- 259. "Hope In Hope."
- 260. "Plant Owner Says Charges Are Lies."
- 261. "Toxic Waste Plan Studied In Maine."

## Press Releases

- 262. "Public Notice," WRKD (December 1, 1983). Concerning application for hazardous waste license.
- 263. "Press Information," State of Maine Department of Environmental Protection (June 27, 1984). Concerning decision to reject license application.
- 264. "Environmental News," EPA Region I (August 10, 1984). Concerning allocation of \$400,000 from Superfund to remove drums and pump storage tanks.
- 265. "Press Advisory," EPA Region I (August 27, 1984). Concerning availability of EPA representative at the site every Wednesday at 2:00 p.m.
- 266. "Environmental News," EPA Region I (September 13, 1984). Concerning \$12,000 penalty for violation of hazardous waste management laws.
- 267. Press Release, State of Maine Department of Environmental Protection (October 11, 1984). Concerning Commissioner Henry E. Warren's response to critical press reports and cleanup evaluation.
- 268. "Press Advisory," EPA Region I (November 5, 1984). Concerning press availability and completion of cleanup operations.
- 269. "Environmental News - Public Meeting to Explain Current and Future Plans for the Union Chemical Superfund Site Announced," EPA Region I (July 20, 1987).
- 270. "Environmental News - EPA and the Maine DEP to Hold Public Meeting," EPA Region I (September 16, 1987).
- 271. "Environmental News - EPA Announces Signing of Administrative Order," EPA Region I (September 17, 1987).
- 272. "Environmental News - EPA Files Suit Against Nonsettlers Who Declined to Join Consent Orders for Cleanup Work," EPA Region I (November 6, 1987).
- 273. "Environmental News - EPA Settles with 25 Additional Parties for Cleanup Work," EPA Region I (January 13, 1988).
- 274. "Environmental News - EPA and the Maine DEP to Hold Public Meeting," EPA Region I (February 8, 1988).
- 275. "EPA Starts Hotline," EPA Region I (March 1, 1988). Concerning correction of the hotline telephone number.
- 276. "Environmental News - Public Meeting to Explain Plans for the Union Chemical Company Superfund Site Announced," EPA Region I (May 6, 1988).
- 277. "Union Chemical Company, Inc. Site Reproposed onto NPL," EPA Region I (July 7, 1988).
- 278. "Environmental News - EPA and the Maine DEP Announce Public Meeting," EPA Region I (January 19, 1989).
- 279. "Environmental News - EPA Releases Draft Plan for Further Field Investigation," EPA Region I (February 13, 1989).
- 280. "Environmental News - EPA Announces Public Informational Meeting," EPA Region I (April 25, 1989).
- 281. "Environmental News - Responsible Parties to Pay 100 Percent of EPA's Remaining Past Costs," EPA Region I (May 23, 1989).

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

## Press Releases

282. "Environmental News - Nine Sites in Region Named to Superfund Priority List," EPA Region I (September 28, 1989).
283. "Environmental News - EPA and Maine DEP Announce Public Meeting for Union Chemical Site," EPA Region I (April 20, 1990).
284. "Environmental News - EPA to Propose Cleanup Plan for Union Chemical Company, Inc. Superfund Site at Upcoming Public Meeting," EPA Region I (July 2, 1990).
285. "Environmental News - EPA Reschedules Union Chemical Co., Inc. Superfund Site Public Meeting for Thursday, July 12th," EPA Region I (July 5, 1990).
286. "Environmental News - EPA Extends Public Comment Period and Schedules Additional Public Hearings for the Union Chemical Co., Inc. Superfund Site," EPA Region I (July 31, 1990).
287. "Environmental News - EPA Confirms Requests for Additional Public Hearings and Denies Second Extension Request to Public Comment Period for the Union Chemical Company Superfund Site," EPA Region I (August 17, 1990).
288. "Public Notice," Union Chemical Co., Inc. Concerning filed application for a license to operate a hazardous waste treatment facility.

## 13.4 Public Meetings

1. "Statement for Public Meeting on the Report of the Prevalence of Selected Health Problems Among Residents Living in the Vicinity of the Union Chemical Company," State of Maine Department of Human Services (December 15, 1983).
2. State of Maine Department of Environmental Protection Meeting Agenda, Public Meeting for the Union Chemical Co., Inc. (November 6, 1985) with attached list of attendees. Concerning remedial action alternatives.
3. "To be Read into Record by CCH Rep. at 9 June 1987 EPA Region I Meeting," Carolie MAJ. Lerner, Concerned Citizens of Hope (June 8, 1987).
4. EPA Region I Agenda and Meeting Handout, Public Information Meeting for the Union Chemical Co., Inc. Site (September 22, 1987).
5. EPA Region I Agenda and Meeting Handout, Public Information Meeting for the Union Chemical Co., Inc. Site (February 23, 1988).
6. U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) Agenda, Draft Health Assessment Public Meeting for the Union Chemical Co., Inc. Site (March 10, 1988).
7. "Draft Public Meeting Summary," CDM Federal Programs Corporation (March 11, 1988). Concerning the February 23, 1988 Public Information Meeting for the Union Chemical Co., Inc. Site.
8. Cross-Reference: Letter from Marilyn R. DiSirio, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to A. Mark Woodward, *Bangor Daily News* (March 17, 1988). Concerning the March 10, 1988 public meeting, and prevention measures against potential exposures [Filed and cited as entry number 61 in 13.1 Correspondence].
9. EPA Region I Agenda and Meeting Handout, Public Information Meeting for the Union Chemical Co., Inc. Site (May 19, 1988).
10. "Draft Public Information Meeting Summary," CDM Federal Programs Corporation (June 27, 1988). Concerning the May 19, 1988 Public Information Meeting for the Union Chemical Co., Inc. Site.

## 13.4 Public Meetings (cont'd.)

11. "Draft Public Meeting Summary," Camp Dresser & McKee Inc. (June 27, 1989). Concerning the May 3, 1989 public meeting.
12. Transcript, Public Hearing for the Union Chemical-Co., Inc. Superfund Site (August 1, 1990).
13. Transcript, Public Hearing for the Union Chemical Co., Inc. Superfund Site (August 23, 1990).
14. Transcript, Public Hearing for the Union Chemical Co., Inc. Superfund Site (August 23, 1990).
15. Transcript, Public Hearing for the Union Chemical Co., Inc. Superfund Site (September 17, 1990).

## 13.5 Fact Sheets

1. "Setting the Facts Straight," Union Chemical Co., Inc. (February 27, 1984).
2. "Union Chemical Site Fact Sheet," EPA Region I (July 20, 1984). Concerning Union Chemical Co., Inc. activities from 1967 to 1984.
3. "Progress and Plans," EPA Region I (August 24, 1984).
4. "Progress and Plans," EPA Region I (August 29, 1984).
5. "Progress and Plans," EPA Region I (September 7, 1984).
6. "Progress and Plans," EPA Region I (September 14, 1984).
7. "Progress and Plans," EPA Region I (September 19, 1984).
8. "Progress and Plans," EPA Region I (September 27, 1984).
9. "Progress and Plans," EPA Region I (October 11, 1984).
10. "Progress and Plans," EPA Region I (October 25, 1984).
11. "Union Chemical Company," EPA Region I (November 9, 1984). Concerning completion of removal activities on November 8, 1984.
12. "Superfund Program Information Sheet," EPA Region I (July 1987). Concerning summary of activities at the site and announcing the July 30, 1987 Public Meeting.
13. "Superfund Program Fact Sheet," EPA Region I (February 1988). Concerning residential well sampling program, work plan status, and NPL status.
14. "Remedial Investigation/Feasibility Study," EPA Region I (May 1988). Concerning description of the RI/FS work plan.
15. "Union Chemical Update," EPA Region I (July 1988). Concerning activities planned for July and August 1988.
16. "Union Chemical Update," EPA Region I (September 1988). Concerning sampling program.
17. "Initial Site Characterization," EPA Region I (January 1989). Concerning overview of fieldwork undertaken by EPA and State of Maine Department of Environmental Protection.
18. "Fact Sheet - EPA Completes Union Chemical Site Field Investigations," EPA Region I (March 1990).

## 13.7 Technical Assistance Grants

1. Letter from Carolie MAJ. Lerner, Concerned Citizens of Hope to Merrill S. Hohman, EPA Region I (January 2, 1988). Concerning intent to apply for Technical Assistance Grant.
2. Letter from Carolie MAJ. Lerner, Concerned Citizens of Hope to EPA Region I (March 7, 1988). Concerning request for Technical Assistance Grant application.
3. Letter from Chris Jendras, EPA Region I to Interested Citizens (March 31, 1988). Concerning availability of Technical Assistance Grant.

## 13.7 Technical Assistance Grants (cont'd.)

4. Letter from Mary H. Grealish, EPA Region I to Carolie MAJ. Larner, Concerned Citizens for Hope (April 28, 1988) with attached notice. Concerning response to the March 7, 1988 Letter from Carolie MAJ. Larner, Concerned Citizens of Hope.
5. "Hope Group to Receive U.S. Grant," Bangor Daily News - Bangor, ME (May 10, 1988).
6. Letter from Mary Edgerton, Maine People's Alliance to Mary H. Grealish, EPA Region I (May 19, 1988). Concerning endorsing the award of Technical Assistance Grant to Concerned Citizens of Hope.
7. Letter from Brian Powers, Hope's Committee for a Clean Environment to Mary H. Grealish, EPA Region I (May 27, 1988). Concerning intent to apply for Technical Assistance Grant.
8. Letter from Mary H. Grealish, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (June 7, 1988). Concerning response to the May 27, 1988 Letter from Brian Powers, Hope's Committee for a Clean Environment.
9. Letter from Mary H. Grealish, EPA Region I to Carolie MAJ. Larner, Concerned Citizens for Hope (June 16, 1988). Concerning transmittal of the May 1988 Final "The Citizens' Guidance Manual for the Technical Assistance Grant Program," EPA Headquarters.
10. Letter from Mary H. Grealish, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (June 16, 1988). Concerning transmittal of the May 1988 "Final - The Citizens' Guidance Manual for the Technical Assistance Grant Program," EPA Headquarters.
11. "Second Committee Emerges to Vie for Clean-up Funds," The Courier-Gazette - Rockland, ME (July 2, 1988).
12. Letter from Ursula A. Gillis, Concerned Citizens for Hope to Mary H. Grealish, EPA Region I (July 5, 1988) with attachments. Concerning request to extend the filing deadline.
13. Letter from Mary H. Grealish, EPA Region I to Carolie MAJ. Larner, Concerned Citizens for Hope (July 15, 1988). Concerning response to the July 5, 1988 Letter from Ursula A. Gillis, Concerned Citizens for Hope.
14. Letter from Mary H. Grealish, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (July 15, 1988). Concerning confirmation of receipt of an application for the Technical Assistance Grant.
15. Letter from Mary H. Grealish, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (July 28, 1988). Concerning the application review process to take place on August 29, 1988.
16. Letter from Mary H. Grealish, EPA Region I to Carolie MAJ. Larner, Concerned Citizens for Hope (August 11, 1988). Concerning confidentiality of the Technical Assistance Grant applications during the review process.
17. Letter from Mary H. Grealish, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (August 11, 1988). Concerning confidentiality of the Technical Assistance Grant applications during the review process.
18. Letter from Carolie MAJ. Larner, Concerned Citizens for Hope to Mary H. Grealish, EPA Region I (August 19, 1988). Concerning request for second extension of application deadline.
19. Letter from Mary H. Grealish, EPA Region I to Carolie MAJ. Larner, Concerned Citizens for Hope (August 26, 1988). Concerning response to the August 19, 1988 Letter from Carolie MAJ. Larner, Concerned Citizens for Hope.
20. Letter from Carolie MAJ. Larner, Concerned Citizens for Hope to Mary H. Grealish, EPA Region I (September 2, 1988). Concerning a notice that the original Notice of Intent is still legally active.

## 13.7 Technical Assistance Grants (cont'd.)

21. "Concerned Citizens," The Camden-Herald - Camden, ME (September 15, 1988).
22. "EPA Assistance Agreement/Amendment Part I - Assistance Notification Information" Form, EPA Region I (March 19, 1990).
23. "Environmental News - Hope Citizens Group Receives Superfund Technical Assistance Grant," EPA Region I (March 22, 1990).
24. "EPA Awards Grant to Hope Committee," Bangor Daily News - Bangor, ME (March 26, 1990).
25. "Hope Receives Grant for Union Chemical Advisor," The Camden Herald - Camden, ME (March 29, 1990).
26. Letter from Mary H. Grealish, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (June 1, 1990). Concerning Hope's Committee for a Clean Environment's procurement of a technical advisor, the draft technical advisor sub-agreement, and the incorporation requirements of the State of Maine.
27. "Technical Advisor Subagreement," Hope's Committee for a Clean Environment and Disposal Safety Incorporated (June 25, 1990).
28. Letter from Henry G. Burrell, EPA Region I to Brian Powers, Hope's Committee for a Clean Environment (July 30, 1990). Concerning confirmation of contracts for technical advisors.

## 13.9 Work Plans and Progress Reports

1. Letter from Laurie M. Ziegenfus, Booz-Allen & Hamilton Inc. to Michael Jasinski, EPA Region I (April 8, 1988) with attached messages. Concerning monthly log of telephone calls received on hotline for February and March 1988.
2. Letter from Laurie M. Ziegenfus, Booz-Allen & Hamilton Inc. to Michael Jasinski, EPA Region I (May 13, 1988) with attached messages. Concerning monthly log of telephone calls received on hotline for April 1988.
3. Letter from Elizabeth Feinberg, Booz-Allen & Hamilton Inc. to Michael Jasinski, EPA Region I (June 29, 1988) with attached messages. Concerning monthly log of telephone calls received on hotline for May and June 1988.
4. Letter from Elizabeth Feinberg, Booz-Allen & Hamilton Inc. to Michael Jasinski, EPA Region I (September 13, 1988) with attached messages. Concerning monthly log of telephone calls received on hotline for July and August 1988.
5. Letter from Elizabeth Feinberg, Booz-Allen & Hamilton Inc. to Michael Jasinski, EPA Region I (December 2, 1988) with attached messages. Concerning monthly log of telephone calls received on hotline for September and October 1988.
6. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Michael Jasinski, EPA Region I (January 5, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for December 1988.
7. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Michael Jasinski, EPA Region I (February 7, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for January 1989.
8. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Karen Stone, CDM Federal Programs Corporation (March 6, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for February 1989.
9. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Karen Stone, CDM Federal Programs Corporation (April 3, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for March 1989.
10. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Karen Stone, CDM Federal Programs Corporation (May 9, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for April 1989.

### 13.9 Work Plans and Progress Reports (cont'd.)

11. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Karen Stone, Camp Dresser & McKee Inc. (June 12, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for May 1989.
12. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Karen Stone, CDM Federal Programs Corporation (August 3, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for July 1989.
13. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to Karen Stone, CDM Federal Programs Corporation (September 6, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for August 1989.
14. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to John Walker, CDM Federal Programs Corporation (October 2, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for September 1989.
15. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to John Walker, CDM Federal Programs Corporation (November 6, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for October 1989.
16. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to John Walker, CDM Federal Programs Corporation (December 7, 1989) with attached messages. Concerning monthly log of telephone calls received on hotline for November 1989.
17. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to John Walker, CDM Federal Programs Corporation (January 2, 1990) with attached messages. Concerning monthly log of telephone calls received on hotline for December 1989.
18. Letter from Kymberlee F. Estis, Booz-Allen & Hamilton Inc. to John Walker, CDM Federal Programs Corporation (March 8, 1990) with attached messages. Concerning monthly log of telephone calls received on hotline for February 1990.

### 14.0 Congressional Relations

#### 14.1 Correspondence

1. Letter from Olympia J. Snowe, Member of the U.S. House of Representatives to Henry E. Warren, State of Maine Department of Environmental Protection (June 26, 1981) with attached letter from Darlene Wellman. Concerning pollution problem and Quiggle Brook testing.
2. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Olympia J. Snowe, Member of the U.S. House of Representatives (August 7, 1981). Concerning an ongoing monitoring program and hydrogeological study.
3. Letter from George J. Mitchell, Member of the U.S. Senate to Lee M. Thomas, EPA Headquarters (October 28, 1985). Concerning request for information regarding EPA's involvement at the site.
4. Letter from Michael R. Deland, EPA Region I to George J. Mitchell, Member of the U.S. Senate (November 26, 1985). Concerning request for information.
5. Letter from George J. Mitchell, Member of the U.S. Senate to Michael R. Deland, EPA Region I (April 28, 1987). Concerning request for a member of EPA Region I staff to be present at the May 9, 1987 town meeting.

## 14.1 Correspondence (cont'd.)

6. Letter from William S. Cohen, Member of the U.S. Senate to Betsy Horne, EPA Region I (May 5, 1987). Concerning transmittal of the attached correspondence.
7. Letter from George J. Mitchell, Member of the U.S. Senate to Lee M. Thomas, EPA Headquarters (May 12, 1987). Concerning inclusion of site on the National Priorities List and continuance of the Technical Assistance Grant process.
8. Letter from George J. Mitchell, Member of the U.S. Senate to James O. Mason, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) (May 12, 1987). Concerning a health assessment to be completed by the 1988 deadline.
9. Letter from Michael R. Deland, EPA Region I to William S. Cohen, Member of the U.S. Senate (May 27, 1987). Concerning acknowledgement of comments from the Town of Hope citizens regarding their concern about public health threats from the site.
10. Letter from Michael R. Deland, EPA Region I to George J. Mitchell, Member of the U.S. Senate (May 27, 1987). Concerning summary of responses to issues raised at the May 9, 1987 town meeting.
11. Letter from Joseph E. Brennan, Member of the U.S. House of Representatives to Lee M. Thomas, EPA Headquarters (August 12, 1987) with attached news clippings. Concerning listing of site on the National Priorities List.
12. Letter from William S. Cohen and George J. Mitchell, Members of the U.S. Senate to Lee M. Thomas, EPA Headquarters (September 16, 1987). Concerning listing of site on the National Priorities List.
13. Letter from Lee M. Thomas, EPA Headquarters to George J. Mitchell, Member of the U.S. Senate (November 6, 1987) with the attached September 27, 1985 "Chemical, Physical, and Biological Properties of Compounds Present at Hazardous Waste Sites," Clement Associates, Inc. Concerning listing of site on the National Priorities List, using RCRA regulations, and defining acceptable levels of trichloroethylene.
14. Letter from George J. Mitchell, Member of the U.S. Senate to Lee M. Thomas, EPA Headquarters (January 22, 1988). Concerning the listing of site on the National Priorities List.
15. Letter from George J. Mitchell, Member of the U.S. Senate to Lee M. Thomas, EPA Headquarters (June 21, 1988). Concerning listing of site on the National Priorities List.
16. Letter from J. Winston Porter, EPA Headquarters to George J. Mitchell, Member of the U.S. Senate (August 5, 1988). Concerning a response to the June 21, 1988 Letter from George J. Mitchell.
17. Letter from Walter R. Dowdle, U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) to George J. Mitchell, Member of the U.S. Senate (August 21, 1989). Concerning evaluation, presence of contaminants in wells, potential health concern, and need for a mortality study.

## 15.0 Freedom of Information Act (FOIA) Management

## 15.2 Requests

1. Letter from Benjamin Ross, Disposal Safety Incorporated for Hope's Committee for a Clean Environment to Evelyn Sullivan, EPA Region I (July 9, 1990). Concerning request for copies of comments provided by EPA to the PRPs on documents they submitted to EPA.

### 15.3 Responses

1. Letter from Merrill S. Hohman, EPA Region I to Benjamin Ross, Disposal Safety Incorporated for Hope's Committee for a Clean Environment (August 16, 1990). Concerning denial of FOIA request.
2. Letter from Benjamin Ross, Disposal Safety Incorporated for Hope's Committee for a Clean Environment to Freedom of Information Act Officer, EPA Headquarters (September 7, 1990). Concerning appeal of denial of FOIA request.

### 16.0 Natural Resource Trustee

#### 16.1 Correspondence

1. Letter from Gordon E. Beckett, U.S. Department of the Interior Fish and Wildlife Service to Randall Maud, EPA Region I (July 21, 1987). Concerning the receipt of EPA's "Trustee Notification Form."

#### 16.4 Trustee Notification Form and Selection Guide

1. Letter from Patricia L. Meaney for Merrill S. Hohman, EPA Region I to William Patterson, U.S. Department of the Interior Fish and Wildlife Service with the attached "Trustee Notification Form."
2. Letter from Patricia L. Meaney for Merrill S. Hohman, EPA Region I to Sharon Christopherson, U.S. Department of Commerce National Oceanic and Atmospheric Administration with the attached "Trustee Notification Form."

### 17.0 Site Management Records

#### 17.1 Correspondence

1. Letter from Clifford H. Goodall, Lund Wilk Scott & Goodall (Attorney for Union Chemical Co. Inc.) to EPA Regional Loan Coordinator, EPA Region I (April 8, 1980). Concerning the attached April 2, 1980 "Application for EPA Certification Statement for SBA Loans," Union Chemical Co., Inc.
2. Letter from Jeffrey L. McNelly, Camden and Rockland Water Company to John A. Krueger, State of Maine Department of Environmental Protection (December 19, 1980). Concerning available hazardous waste files on the water quality in the Camden-Rockland area.
3. Letter from George Kaplan, State of Maine Department of Environmental Protection to Jeffrey L. McNelly, Camden and Rockland Water Company (December 23, 1980). Concerning response to December 19, 1980 Letter from Jeffrey L. McNelly, Camden and Rockland Water Company.
4. Letter from Jeffrey L. McNelly, Camden and Rockland Water Company to Edward M. Logue, State of Maine Department of Environmental Protection (July 31, 1981). Concerning drinking water supplies and the July 30, 1981 "Hydrogeologic Evaluation and Development of Clean Up Plan for Area of Contaminated Soil," Wright-Pierce for Union Chemical Co., Inc.
5. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Henry D. Aho, State of Maine Department of Environmental Protection (June 14, 1985). Concerning effect of withdrawal of water from Fish Pond on the flow of Quiggle Brook.

## 17.1 Correspondence (cont'd.)

6. Letter Report from Lake Environmental Services of Maine for Hobbs Pond Association to John James, State of Maine Department of Environmental Protection (September 13, 1985). Concerning review of the Camden and Rockland Water Company Great Ponds Act permit application.
7. Letter Report from Wallace W. Hinckley, State of Maine Department of Human Services (October 4, 1985). Concerning the withdrawal of water from Fish Pond.
8. Letter from Roberta N. Staples, Save Fish-Hobbs Pond Committee to John James, State of Maine Department of Environmental Protection (October 11, 1985). Concerning the attached petition.
9. Telephone Notes Between Tony Leavitt, State of Maine Department of Environmental Protection and Brad Caswell (February 24, 1986). Concerning unused production well.
10. Memorandum from Tony Leavitt, State of Maine Department of Environmental Protection to File (February 28, 1986). Concerning February 26 through 27, 1986 water sampling trip.
11. Memorandum from Tony Leavitt, State of Maine Department of Environmental Protection to File (April 9, 1986). Concerning new monitoring well locations.
12. "Regional Water Study - Mid Coast Maine," Whitman & Howard, Inc. for Mid-Coast Maine Water Study Commission (December 1986).
13. "Camden and Rockland Water Company - Priority Pollutant Analysis and Dioxin Scan for Fish Pond and Grassy Pond," Whitman & Howard, Inc. for Camden and Rockland Water Company (September 1987).
14. Letter from Michael Jasinski, EPA Region I to Kenneth A. Jacobson Jr., Camden and Rockland Water Company (January 13, 1988). Concerning transmittal of summary results for volatile organic compounds detected in residential wells.
15. Letter from Michael Jasinski, EPA Region I to Jeffrey L. McNelly, Camden and Rockland Water Company (September 12, 1988). Concerning transmittal of surface-water and sediment samples and ground water elevation measurements.
16. Letter from Kenneth A. Jacobson Jr., Camden and Rockland Water Company to Customer (November 14, 1988). Concerning use of Hobbs and Fish Ponds for additional water supply with the attached:
  - A. "Camden and Rockland Water Company Information Sheet: Hobbs & Fish Ponds" (November 1988).
  - B. Map of Hobbs and Fish Ponds and Surrounding Area (July 13, 1988).
17. Letter from Dana Paul Murch, State of Maine Department of Environmental Protection to Stephen Bost, Member of State of Maine Senate and Herbert Clark, Member of State of Maine House of Representatives (May 12, 1989). Concerning the moratorium on withdrawal of water from Hobbs and Fish Ponds.

## 17.2 Access Records

1. Letter from Rebecca L. Hewett, State of Maine Department of Environmental Protection to John E. Dority, State of Maine Department (May 27, 1988). Concerning the installation of monitoring wells in the Department of Transportation right of way on Route 17.
2. Letter from John A. Blanchard, Township of Hope to Randall Smith, Nashua Corporation (June 17, 1988). Concerning access to property owned by the Hope Volunteer Fire Department.

## 17.2 Access Records (cont'd.)

3. Cross-Reference: Letter from Mark J. Leibrock, Canonie Environmental Services Corp. for the Union Chemical Site Trust to Mr. and Mrs. John Jensen (September 2, 1988) with the attached form letters sent to the following residents:

- A. Dr. and Mrs. Kenneth Guiseley.
- B. Ms. Arlene Crabtree.
- C. Mr. and Mrs. Elmer Hart.
- D. Mr. and Mrs. Harold Cushman.
- E. Mr. and Mrs. Dana Winchenbach.
- F. Mr. and Mrs. Robert Shaw.
- G. Mr. and Mrs. Donald Pushaw.
- H. Mr. and Mrs. Henry Hastings.
- I. Mr. Charles Lawson.
- J. Mr. Scott Bissett.
- K. Mr. and Mrs. Brian Powers.
- L. Mr. and Mrs. Gordon Talbot.
- M. Mr. and Mrs. Charles Martz.
- N. Mr. and Mrs. William Bryant.
- O. Ms. Hope Chase.
- P. Mr. and Mrs. Harold Merrifield.
- Q. Ms. Sandra MacAvoy.
- R. Mr. and Mrs. Steven Bowman.
- S. Mr. and Mrs. Lewis Merrifield.
- T. Mr. and Mrs. Jeffrey Perkins.
- U. Mr. Dennis Hall.
- V. Mr. and Mrs. Albert Hastings.
- W. Mr. and Mrs. Neil Fogg.
- X. Mr. George Burr.
- Y. Mr. Bruce Melanson.
- Z. Mr. and Mrs. Dinsmore.
- AA. Mr. and Mrs. Stanley.

Concerning the third quarterly residential well sampling round to be performed on September 16, 1988 [Filed and cited as entry number 12 in 3.1 Correspondence].

4. Letter from David Wright, State of Maine Department of Environmental Protection to James F. Green, Union Chemical Site Trust Fund (October 25, 1989) with attachment. Concerning restoration of areas at the Gus Johnson Estate accessed by Canonie Environmental Services Corporation.

## 17.4 Site Photographs/Maps

1. Photographs and Maps, Concerned Citizens of Hope (September 22, 1987).

*The oversized records cited in entries numbered 2 through 13 may be reviewed by appointment only, at EPA Region I, Boston, Massachusetts*

- 2. 10" X 10" Black and White Aerial Photograph Showing the Union Chemical Co., Inc. Site, EPIC Roll 71/030, Frame 262 (May 11, 1971).
- 3. 10" X 10" Black and White Aerial Photograph Showing the Union Chemical Co., Inc. Site, EPIC Photo #19078 (May 18, 1972).
- 4. 10" X 10" Black and White Aerial Photograph Showing the Union Chemical Co., Inc. Site, EPIC Frame 18804 (May 8, 1973).
- 5. 10" X 10" Black and White Aerial Photograph Showing the Union Chemical Co., Inc. Site, EPIC Frame 8926 (April 17, 1977).
- 6. 10" X 10" Black and White Aerial Photograph Showing the Union Chemical Co., Inc. Site, EPIC Roll 9060, Frame 52 (May 4, 1980).

## 17.4 Site Photographs/Maps (cont'd.)

7. 10" X 10" Color Aerial Photograph Showing the Union Chemical Co., Inc. Site, EPIC Roll 84/121, Frame 212 (September 18, 1984).
8. "Site Analysis," The Bionetics Corporation (May 1988).
9. "Union Chem./Canonie - 87-072 - Inspection of Wells B6 through B14 - MDEP" Video Tape (May 21, 1988).
10. "Union Chemical - EPA Book 1" Photo Album, CDM Federal Programs Corporation (September 29, 1988).
11. "Union Chemical - EPA Book 2" Photo Album, CDM Federal Programs Corporation (September 29, 1988).
12. "ODW Video Tape Log" Video Tape (August 30, 1989).
13. "Well NPW & Well OPW Video Survey" Video Tape (September 28, 1989).

## 17.5 Site Descriptions/Chronologies

1. "A Brief Historical and Economic History of Union Chemical Co., Inc.," Union Chemical Co., Inc. (August 13, 1979).
2. Cross-Reference: "Union Chemical Site Fact Sheet," EPA Region I (July 20, 1984). Concerning Union Chemical Co., Inc. activities from 1967 to 1984 [Filed and cited as entry number 2 in 13.5 Fact Sheets].
3. Cross-Reference: "Union Chemical Site Chronological Fact Sheet," (February 18, 1987) [Filed and cited as pages 10 to 14 of entry number 1 in 2.5 On-Scene Coordinator's Reports].
4. Cross-Reference: "Union Chemical Company Site Fact Sheet," State of Maine Department of Environmental Protection (May 1987) [Filed and cited as Appendix A of entry number 2 in 3.6 Remedial Investigation (RI) Reports].

## 17.7 Reference Documents

1. U.S. Environmental Protection Agency. Office of Communications And Public Affairs. Glossary Of Environmental Terms And Acronym List (19K-1002), December 1989.

## 17.8 State and Local Technical Records

1. Memorandum from Gerald Bates, State of Maine Department of Environmental Protection to Steve Groves, State of Maine Department of Environmental Protection (July 2, 1981). Concerning the public water supply.
2. Memorandum from John A. Krueger, State of Maine Department of Environmental Protection to File (July 7, 1981). Concerning air quality complaint at South Hope.
3. Memorandum from John A. Krueger, State of Maine Department of Environmental Protection to File (September 9, 1981). Concerning air quality complaint from Carolie MAJ. Larner.
4. Memorandum from John A. Krueger, State of Maine Department of Environmental Protection to File (September 15, 1981). Concerning air quality complaint from Frances Tibbetts.
5. Memorandum from John A. Krueger, State of Maine Department of Environmental Protection to File (September 23, 1981). Concerning air quality at the site.
6. Memorandum from Norman Anderson, State of Maine Department of Environmental Protection to David A. Dumas, State of Maine Department of Environmental Protection (April 13, 1982). Concerning toxicity assessment of air emissions.
7. "Ambient Air Monitoring Program," John Fancy Inc. Technical Services (October 20, 1982).

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

8. Letter from Edward M. Logue, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (March 31, 1983). Concerning attached results of water samples.
9. Letter from Clifford H. Goodall, Dyer, Goodall and Zeegers (Attorney for Union Chemical Co., Inc.) to David A. Dumas, State of Maine Department of Environmental Protection (March 15, 1984). Concerning air emission license and level of lead emission.
10. Sample Results (November 29, 1984).
11. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to James Lysen, State of Maine Department of Environmental Protection (May 31, 1985). Concerning proposal for handling the ground water problem.
12. Letter from Henry D. Aho, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (June 3, 1985). Concerning the attached water sample results.
13. Letter from James Lysen, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (June 5, 1985). Concerning transmittal of unsolicited proposal.
14. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Henry D. Aho, State of Maine Department of Environmental Protection (June 10, 1985). Concerning State of Maine Department of Environmental Protection's decision regarding Union Chemical Co., Inc.'s proposal.
15. Letter from Henry D. Aho, State of Maine Department of Environmental Protection to Paul L. Gibbons, Calderwood, Ingraham, & Gibbons (June 11, 1985). Concerning transmittal of attached analytical data.
16. Letter from James K. Richard, Acheron, Inc. to Rebecca Hewett, State of Maine Department of Environmental Protection (December 8, 1986). Concerning transmittal of the attached results of the bail well tests performed in the summer of 1986.
17. Letter from Cynthia M. Kuhns, State of Maine Department of Environmental Protection to Bill Knowlton, Knowlton Well Drilling (March 10, 1988). Concerning request for information on wells drilled in the vicinity of the Union Chemical Co., Inc. property.
18. Letter from Cynthia M. Kuhns, State of Maine Department of Environmental Protection to Hatch Well Drillers (March 10, 1988). Concerning request for information on wells drilled in the vicinity of the Union Chemical Co., Inc. property.
19. Letter from Cynthia M. Kuhns, State of Maine Department of Environmental Protection to Leonard and Wilfred Cross, Earl A. Cross and Sons (March 10, 1988). Concerning request for information on wells drilled in the vicinity of the Union Chemical Co., Inc. property.
20. Letter from Cynthia M. Kuhns, State of Maine Department of Environmental Protection to J.M. Reilly and Sons, Inc. (March 10, 1988). Concerning request for information on wells drilled in the vicinity of the Union Chemical Co., Inc. property.
21. Letter from Cynthia M. Kuhns, State of Maine Department of Environmental Protection to Brackett and Sons, Inc. (March 10, 1988). Concerning request for information on wells drilled in the vicinity of the Union Chemical Co., Inc. property.

## 19.0 Resource Conservation and Recovery Act (RCRA) Records

## 19.1 Correspondence

1. Letter from David W. Tordoff, EPA Region I to Raymond G. Esposito, Union Chemical Co., Inc. (January 22, 1980). Concerning potential for a hazardous substance spill and the proposed rules for spill prevention.
2. "Site Visit Report," The MITRE Corporation (January 29, 1982).
3. Letter from Dennis A. Huebner, EPA Region I to Raymond G. Esposito, Union Chemical Co., Inc. (March 24, 1983). Concerning comments on a Hazardous Waste Permit Application from Union Chemical Co., Inc.
4. Letter from Conrad O. Desrosiers, EPA Region I to John A. Krueger, State of Maine Department of Environmental Protection (September 27, 1983). Concerning transmittal of the attached summary of violations.
5. Letter from Merrill S. Hohman, EPA Region I to John Brochu, State of Maine Department of Environmental Protection (March 14, 1984). Concerning the program for analysis and monitoring of potential contaminant sources.
6. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (May 25, 1984). Concerning cessation of operation of the incinerator.
7. Letter from William Walsh-Rogalski, EPA Region I to Clifford H. Goodall, Dyer, Goodall & Zeegers (Attorney for Union Chemical Co., Inc.) (May 30, 1984). Concerning enforcement actions.
8. Letter from Raymond G. Esposito, Union Chemical Co., Inc. to Henry E. Warren, State of Maine Department of Environmental Protection (May 31, 1984). Concerning request to resume operation of incinerator.
9. Letter from Henry E. Warren, State of Maine Department of Environmental Protection to Clifford H. Goodall, Dyer, Goodall and Zeegers (Attorney for Union Chemical Co., Inc.) (June 6, 1984). Concerning clean-up proposal and permission to resume incinerator operation.

## 19.2 Notification Form -- Part A

1. "Hazardous Waste Permit Application" Form, Union Chemical Co., Inc. (June 6, 1983).
2. Letter from Perry Cogburn, State of Maine Department of Environmental Protection to Raymond G. Esposito, Union Chemical Co., Inc. (February 14, 1984). Concerning transmittal of the attached Part A Application.

## 19.3 Notification Form -- Part B

1. Cross-Reference: RCRA Part B Application, Union Chemical Co., Inc. [Filed and cited as an attachment to entry number 1 in 19.5 RCRA Enforcement Action Records].

## 19.4 RCRA Facility Inspection Reports

1. Memorandum from Catherine McNair, EPA Region I to Robert O'Meara, EPA Region I (June 2, 1982). Concerning the January 13, 1982 inspection report.
2. "RCRA Inspection Checklist" Form, EPA Region I (February 2, 1983).
3. "RCRA Inspection Checklist" Form, EPA Region I (August 10, 1983).

## 19.5 RCRA Enforcement Action Records

1. Complaint, *In RE: Union Chemical Co., Inc. Proceeding under Section 3008 of the Resource Conservation and Recovery Act, 42 U.S.C. S6928*, RCRA Docket No. 83-1045 (November 1, 1983) with attached RCRA Part B Application.
2. Answer to Complaint, *In RE: Union Chemical Co., Inc. Proceeding under Section 3008 of the Resource Conservation and Recovery Act, 42 U.S.C. S6928*, RCRA Docket No. 83-1045 (December 7, 1983).
3. Consent Agreement and Order, *In RE: Union Chemical Co., Inc., Proceeding under Section 3008 of the Resource Conservation and Recovery Act, 42 U.S.C. S6928*, RCRA Docket No. 83-1045 (September 6, 1984).

**Section II**  
**Guidance Documents**

## GUIDANCE DOCUMENTS

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

### General and Site-Specific 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. Carbon Adsorption Isotherms for Toxic Organics (EPA/600/8-80/023), April 1, 1980.
4. U.S. Environmental Protection Agency. Municipal Environmental Research Laboratory. Costs of Remedial Response Actions at Uncontrolled Hazardous Waste Sites, April 15, 1981.
5. U.S. Environmental Protection Agency. Office of Ground-Water Protection. Ground-Water Protection Strategy (EPA/440/6-84/002), August 1984.
6. U.S. Environmental Protection Agency. Office of Research and Development and Office of Emergency and Remedial Response. Review of In-Place Treatment Techniques for Contaminated Surface Soils - Volume 1: Technical Evaluation (EPA/540/2-84/003a), September 1984.
7. "National Oil and Hazardous Substances Pollution Contingency Plan," Code of Federal Regulations (Title 40, Part 300), 1985.
8. Record of Decision, McKin, Gray, Maine, EPA Region I, Boston, Massachusetts, July 22, 1985.
9. 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).
10. Memorandum from Gene Lucero, U.S. Environmental Protection Agency Office of Waste Programs Enforcement to Addressees ("Director, Waste Management Division, Regions I, IV, V, VII, and VIII; Director, Emergency and Remedial Response Division, Region II; Director, Hazardous Waste Management Division, Region III; Director, Air and Waste Management Division, Region VI; Director, Toxics and Waste Management Division, Region IX; Director, Hazardous and Waste Division, Region X"), August 28, 1985 (discussing community relations activities at Superfund Enforcement sites).
11. Clement Associates, Inc. Chemical, Physical and Biological Properties of Compounds Present at Hazardous Waste Sites Final Report (OSWER Directive 9850.3), September 27, 1985.
12. "National Primary Drinking Water Regulations; Volatile Synthetic Organic Chemicals; Final Rule and Proposed Rule," Federal Register (Vol. 50, No. 219), November 13, 1985.

13. Memorandum from J. Winston Porter, U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response to Addressees ("Regional Administrators, Regions I-X; Directors, Environmental Services Division, 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, Region III; Director, Air and Waste Management Division, Regions II and VI; Director, Toxics and Waste Management Division, Region IX; Director, Hazardous and Waste Division, Region X") (OSWER Directive 9850.0-1), November 22, 1985 (discussing endangerment assessment guidance).
14. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund Glossary (WH/FS-86-007), Winter 1986.
15. Memorandum from Barry L. Johnson, Associate Administrator, ATSDR to U.S. Environmental Protection Agency Regional Superfund Programs, June 16, 1986, (discussing ATSDR health assessments on NPL sites).
16. 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.
17. Record of Decision, Kellogg-Deering Well Field, Norwalk, Connecticut, EPA Region I, Boston, Massachusetts, September 25, 1986.
18. U.S. Environmental Protection Agency. Superfund Public Health Evaluation Manual (OSWER 9285.4-1), October 1986.
19. U.S. Environmental Protection Agency. Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as Amended October 17, 1986.
20. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Test Methods for Evaluating Solid Waste, Laboratory Manual Physical/Chemical Methods, Third Edition (Volumes IA, IB, IC, and II), November 1986.
21. "Hazardous Waste Management Systems; Land Disposal Restrictions; Final Rule," Federal Register (Vol. 51, No. 216), November 7, 1986.
22. U.S. Environmental Protection Agency. Office of Ground-Water Protection. Guidelines for Ground-Water Classification under the EPA Ground-Water Protection Strategy, December 1986.
23. 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).
24. Memorandum from L. M. Thomas, U.S. Environmental Protection Agency to Assistant Administrators, Associate Administrators, Regional Administrators, and General Counsel, January 7, 1987 (discussing interim policy for assessing risks of "dioxins" other than 2,3,7,8-TCDD) with attached: U.S. Environmental Protection Agency. Risk Assessment Forum. Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs), October 1986.

25. CDM Federal Programs Corp. Data Quality Objectives for Remedial Response Activities: Development Process (OSWER Directive 9355.0-7B), March 1987.
26. CDM Federal Programs Corp. Data Quality Objectives for Remedial Response Activities: Example Scenario: RI/FS Activities at a Site with Contaminated Soils and Groundwater (OSWER Directive 9355.0-7B), March 1987.
27. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Guidance for Coordinating ATSDR Health Assessment Activities with the Superfund Remedial Process (OSWER Directive 9285.4-02), March 11, 1987.
28. U.S. Environmental Protection Agency. Office of Water Regulations and Standards. Quality Criteria for Water 1986 (EPA/440/5-86/001), May 1, 1987.
29. Memorandum from J. Winston Porter, Assistant Administrator, U.S. Environmental Protection Agency to Regional Administrators, Regions I-X (OSWER Directive 9285.4-02), May 14, 1987 (discussing final guidance for the coordination of ATSDR health assessment activities with the Superfund remedial process).
30. "National Primary Drinking Water Regulations - Synthetic Organic Chemicals; Monitoring for Unregulated Contaminants; Final Rule," Federal Register (Vol. 52 No. 130), July 8, 1987.
31. 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).
32. 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.
33. 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).
34. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Public Involvement in the Superfund Program (WH/FS-87-004R), Fall 1987.
35. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund (WH/FS-87-001R), Fall 1987.
36. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. The Superfund Remedial Program (WH/FS-87-002R), Fall 1987.
37. 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.

38. Record of Decision, Davis Liquid Waste, Smithfield, Rhode Island, EPA Region I, Boston, Massachusetts, September 29, 1987.
39. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Office of Emergency and Remedial Response. Interim Final Guidance on Removal Action Levels at Contaminated Drinking Water Sites (OSWER Directive 9360.1-01), October 6, 1987.
40. 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."
41. 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.
42. Record of Decision, Keefe, Epping, New Hampshire, EPA Region I, Boston, Massachusetts, March 21, 1988.
43. Record of Decision, Cannons Engineering Corporation, Bridgewater, Massachusetts, EPA Region I, Boston, Massachusetts, March 21, 1988.
44. 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.
45. Memorandum from Timothy Fields Jr., U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response to Superfund Branch Chiefs, Regions I-X and OHM Coordinators, Regions I-X, April 19, 1988 (discussing information on drinking water action levels).
46. U.S. Environmental Protection Agency. Office of Water. Interim Sediment Criteria Values for Nonpolar Hydrophobic Organic Contaminants (SCD #17), May 1988.
47. 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).
48. 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.
49. "Drinking Water Regulations; Maximum Contaminant Level Goals and National Primary Drinking Water Regulations for Lead and Copper; Proposed Rule," Federal Register (Vol. 53 No. 160), August 18, 1988.

50. 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.
51. Record of Decision, Groveland Wells, Groveland, Massachusetts, EPA Region I, Boston, Massachusetts, September 30, 1988.
52. 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.
53. 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.
54. 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), December 1988.
55. 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).
56. Memorandum from Bruce M. Diamond, U.S. Environmental Protection Agency Office of Waste Programs Enforcement et al. to Addressees ("Directors, Waste Management Division, Regions I, IV, VII, VIII; Director, Emergency and Remedial Response Division, Region II; Directors, Hazardous Waste Management Division, Regions III, VI; Director, Toxic and Waste Management Division, Region IX; Director, Hazardous Waste Division, Region X"), February 9, 1989 (discussing interim final guidance on soil ingestion rates).
57. Interagency Cooperative Publication. Federal Manual for Identifying and Delineating Jurisdictional Wetlands, January 1989.
58. Solarchem Environmental Systems. Rayox - The Advanced Water Decontamination System, February 15, 1989.
59. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. A Guide on Remedial Actions for Contaminated Ground Water (OSWER Directive 9283.1-2FS), April 1989.
60. U.S. Environmental Protection Agency. Risk Reduction Engineering Laboratory. Technology Evaluation Report: SITE Program Demonstration Test Terra Vac In Situ Vacuum Extraction System Groveland, Massachusetts, Volume I (EPA/540/5-89/003a), April 1989.
61. Memorandum from Jonathan Z. Cannon to Regional Administrators, Regions I-X (OSWER Directive 9347.1-02), April 17, 1989 (discussing policy for Superfund compliance with the RCRA land disposal restrictions).
62. U.S. Environmental Protection Agency. Office of Health and Environmental Assessment. Exposure Factors Handbook (EPA/600/8-89/043), March 1989.

63. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. ARARs Q's & A's (OERR 9234.2-01FS), May 1989.
64. "National Primary and Secondary Drinking Water Regulations; Proposed Rule," Federal Register (Vol. 54 No. 97), May 22, 1989.
65. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Land Disposal Restrictions: Summary of Requirements, June 1989.
66. U.S. Environmental Protection Agency. Risk Assessment Work Group, Region I. Supplemental Risk Assessment Guidance for the Superfund Program (Draft Final) (EPA/901/5-89/001), June 1989.
67. Memorandum from Henry L. Longest II, U.S. Environmental Protection Agency Office of Emergency and Remedial Response and Bruce M. Diamond, U.S. Environmental Protection Agency Office of Waste Programs Enforcement to Addressees ("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, VI, and X; Director, Hazardous Waste Division, Region X"), June 4, 1990 (discussing Superfund Responsiveness Summaries).
68. Memorandum from Henry L. Longest II, U.S. Environmental Protection Agency Office of Emergency and Remedial Response to Directors, Waste Management Division, Regions I, IV, V, VII, VIII et al. (OSWER Directive 9347.2-01), June 5, 1989 (discussing land disposal restrictions as relevant and appropriate).
69. Memorandum from Henry L. Longest II and Gerald Emison, EPA Headquarters to Addressees ("Regional Waste Management Division Directors; Regional Superfund Branch Chiefs; Regional Air Division Directors; Regional Air Branch Chiefs; OERR Division Directors; OAQPS Division Directors") (OSWER Directive 9355.0-28), June 15, 1989 (discussing control of air emissions from air strippers).
70. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Interim Final Guidance on Preparing Superfund Decision Documents (OSWER Directive 9355.3-02), July 1989.
71. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Superfund LDR Guide #1, Overview of RCRA Land Disposal Restrictions (LDRs) (OSWER Directive 9347.3-01FS), July 1989.
72. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Superfund LDR Guide #2, Complying With the California List Restrictions Under Land Disposal Restrictions (LDRs) (OSWER Directive 9347.3-02FS), July 1989.
73. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Superfund LDR Guide #3, Treatment Standards and Minimum Technology Requirements Under Land Disposal Restrictions (LDRs) (OSWER Directive 9347.3-03FS), July 1989.
74. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Superfund LDR Guide #4, Complying With the Hammer Restrictions Under Land Disposal Restrictions (LDRs) (OSWER Directive: 9347.3-04FS), July 1989.
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