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# Savage Municipal Water Supply

## NPL Site Administrative Record

Compiled: July 12, 1991  
ROD Signed: September 27, 1991

Prepared for

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

With Assistance from

**AMERICAN MANAGEMENT SYSTEMS, INC.**

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## Introduction

This document is the Index to the Administrative Record for the September 27, 1991 Record of Decision (ROD) for the Savage Municipal Water Supply National Priorities List (NPL) site. Section I of the Index cites site-specific documents and Section II cites guidance documents used by EPA staff in selecting a response action at the site.

The Administrative Record is available for public review at EPA Region I's Office in Boston, Massachusetts, and at Wadleigh Memorial Library, 21 Nashua Street, Milford, New Hampshire. Questions concerning the Administrative Record should be addressed to the EPA Region I site manager.

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

Section I  
Site-Specific Documents

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**ADMINISTRATIVE RECORD INDEX**  
**for the**  
**Savage Municipal Water Supply NPL Site**  
**(ROD Signed: September 27,1991)**

1.0 Pre-Remedial

1.6 Hazard Ranking System (HRS)

1. "Hazard Ranking System," EPA Region I (June 10, 1983).

2.0 Removal Response

2.1 Correspondence

1. Memorandum from Pi-Yun Tsai and Clara Chow, EPA Region I to John Moebes, EPA Region I (February 18, 1983). Concerning analytical results of the Savage **Municipal** Well and the trailer homes well.
2. **Memorandum from Pi-Yun** Tsai and Clara Chow, EPA Region I to Richard Leighton, EPA **Region** I (March 9, 1983). Concerning the analytical results of the February 17-22, 1983 well sampling.

2.9 Action Memoranda

1. Memorandum from Lester A. Sutton, EPA Region I to EPA Headquarters (March 9, 1983). Concerning the request to initiate an **immediate** removal action at the site.
2. Memorandum from H.D. Van Cleave, EPA Headquarters to Steve Novick, EPA Region I (March 29, 1983). Concerning authorization to proceed with immediate removal action at Milford Trailer Park.
3. Memorandum from William N. Hedeman Jr., EPA Headquarters to Lee M. Thomas, EPA Headquarters (March 29, 1983) with the attached fact sheet. Concerning Region I's request for an immediate removal action at the site.

3.0 Remedial Investigation (RI)

3.1 Correspondence

1. Letter from Memll S. Hohman, EPA Region I to Herbert Whiting, State of New Hampshire Department of Environmental Services (August 9, 1985). Concerning notification that Savage Municipal Water Supply is a proposed Superfund Project to **be** funded by EPA or a potentially responsible party.
2. Memorandum from Paula S. Cappello, HMM Associates, Inc. to Charles Purfort, EPA Region I (November 23, 1988). Concerning **transmittal** of the pages to be replaced in the October 1988 "Project Operations Plan." HMM Associates, Inc.
3. Letter from James B. Zeppieri, State of New Hampshire Department of Environmental Services to Robert Scharmatt (May 19, 1989). Concerning analysis of the water sample taken on April 14, 1989.

## 3.1 Correspondence (cont'd.)

4. Letter from James B. Zeppieri, State of New Hampshire Department of Environmental Services to Richard A. **Goehlert**, EPA Region I (May 19, 1989). Concerning notification that additional groundwater sampling will be done during the last week in May 1989.
5. Memorandum from Richard C. Cote, HMM Associates, **Inc.** to Richard A. Goehlert, EPA Region I (June 21, 1989). Concerning the topics of discussion at the May 22, 1989 meeting.
6. Letter from Richard A. Goehlert, EPA Region I to Richard C. Cote, HMM Associates, **Inc.** (July 10, 1989). Concerning the groundwater monitoring wells to be sampled during the "Phase II Groundwater Sampling Program."
7. Letter from Richard A. Goehlert, EPA Region I to Richard C. Cote, HMM Associates, **Inc.** (July 18, 1989). Concerning the installation of **piezometers** and staff gages to identify levels of groundwater.
8. Letter from Richard A. **Goehlert**, EPA Region I to Richard C. Cote, HMM Associates, **Inc.** (August 1, 1989). Concerning rock well installation.
9. Letter from James B. Zeppieri, State of New Hampshire Department of Environmental Services to Richard A. Goehlert, EPA Region I (February 16, 1990). Concerning data gaps in the groundwater contour mapping of the northern side of the Souhegan River.
10. Letter from Richard A. Goehlen, EPA Region I to Gregory H. Smith, McLane, Graf, Raulerson & Middleton ( Attorney for the PRP Group ) (April 18, 1990). Concerning **piezometer** installation on the **Hayward** property and the attached groundwater contour map.
11. Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for the PRP Group ) (December 24, 1990). Concerning further review of surface water portions of the Remedial Investigation, reevaluation of seismic refraction data, and the attached "Comments on Surface Water Chapter and Appendices."
12. Letter from Bradley W. Schwab, Environmental Science & Engineering, **Inc.** to Richard A. **Goehlert**, EPA Region I (March 20, 1991). Concerning explanation of the changes made in the Revised Health Risk Assessment and the attached "Appendix I - Alternative Exposure Scenarios," Environmental Science & Engineering, **Inc.** (March 20, 1991).
13. Letter from Bradley W. Schwab, Environmental Science & Engineering, **Inc.** to Richard A. Goehlert, EPA Region I (April 2, 1991). Concerning the transmittal of the pages to **be** inserted into the March 20, 1991 "Baseline Health Risk Assessment," Environmental Science & Engineering, **Inc.**
14. Cross-Reference: Letter from Richard A. Goehlen. EPA Region I to Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for the PRP Group?) (April 26, 1991). Concerning confirmation that the PRP Group will be unable to meet the May 15, 1991 deadline for the Feasibility Study Report. that an extension until May 22, 1991 is acceptable, and that changes to the Remedial Investigation Report are minimal [Filed and cited as entry number 4 in 4.1 Correspondence].
15. Memorandum from Mark O. Heuberger, HMM Associates, **Inc.** to Richard A. Goehlert, EPA Region I (June 18, 1991). Concerning transmittal of the Final Remedial Investigation Report and notification that the PRP Group objects to many of the changes that were required by EPA Region I.
16. Memorandum from Ken Brown, EPA Region I to Richard Willey, EPA Region I. Concerning EPA's review of the seismic refraction data.

## 3.2 Sampling and Analysis Data

1. Memorandum from John A. Golden Jr., NUS Corporation to David J. Newton, EPA Region I (January 20, 1986). Concerning explanation of the attached laboratory results for acetophenone and methyl styrene analysis of groundwater samples collected on May 22, 1985.
2. Memorandum from John A. Golden Jr., NUS Corporation to David J. Newton, EPA Region I (February 27, 1986). Concerning transmittal of the attached CLP sampling results from the O.K. Tool Company, Inc. monitoring wells and test pit.
3. Letter from James B. Zeppieri, State of New Hampshire Department of Environmental Services to Richard A. **Goehlert**, EPA Region I (August 17, 1989). Concerning transmittal of the attached analysis of groundwater samples **taken** during Round II sampling obtained by HMM Associates, Inc. and split with State of New Hampshire Department of Environmental Services.
4. Letter from Richard A. Goehlen, EPA Region I to Richard C. Cote, HMM Associates, Inc. (August 17, 1989). Concerning the review of the proposed surface water and sediment sampling and the attached Letter from Kenneth Finkelstein, U.S. **Department** of Commerce National Oceanic and Atmospheric Administration to Richard A. Goehlert, EPA Region I (August 7, 1989).
5. "Split Sample Survey," **Roy F. Weston**, Inc. (August 29, 1989).
6. Letter from Shawne M. Rodgers and Joseph D. **Mastone**, Roy F. Weston, Inc. to Dennis Gagne, EPA Region I (September 6, 1989). Concerning transmittal of the attached validation on the inorganic analytical sample collected by Roy F. Weston, Inc.
7. Letter from Vicki Maynard and Joseph D. **Mastone**, Roy F. Weston, Inc. to Dennis Gagne, EPA Region I (September 12, 1989). Concerning transmittal of the attached validation on the organic analytical sample collected by Roy F. Weston, Inc.
8. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. **Goehlert**, EPA Region I (October 3, 1989). Concerning the proposal to perform additional soil sampling at the site and the attached sampling map.
9. Letter from Richard A. Goehlen, EPA Region I to Richard C. Cote, HMM Associates, Inc. (October 18, 1989). Concerning review of the October 3, 1991 proposal to perform additional soil sampling at the site.
10. Letter from Richard A. Goehlert, EPA Region I to Gregory H. Smith. McLane, Graf, Raulerson & Middleton (Attorney for the PRP Group) (October 26, 1989). Concerning transmittal of the attached results of the Phase II Groundwater split sampling.
11. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlen, EPA Region I (November 1, 1989). Concerning the response to EPA's comments on the October 3, 1989 proposal to perform additional soil sampling at the site.
12. Letter from James B. Zeppieri, State of New Hampshire Department of Environmental Services to Richard A. **Goehlert**, EPA Region I (January 22, 1990). Concerning the attached results of the November and December 1989 and January 1990 samples split with HMM Associates, Inc.

*The maps associated with the record cited as entry number 13 are oversized and may be viewed. by appointment only, at EPA Region I in Boston, Massachusetts.*

13. Memorandum from Richard C. Core, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (**February 6, 1990**). Concerning transmittal of the attached draft results of the pump test of the **Hitchiner** Manufacturing Company production well.

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

14. Letter from James B. Zeppieri, State of New Hampshire Department of Environmental Services to Richard A. Goehlert, EPA Region I (February 14, 1990). Concerning the attached January 1990 split sample results.
15. "Comparison of Savage Well Split Sampling," Roy F. Weston, Inc. (January 26, 1990 - Revised February 16, 1990).
16. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlen EPA Region I (February 20, 1990). Concerning a summary of the additional soil sampling done at the site.
17. Memorandum from Patricia Bickford, State of New Hampshire Department of Environmental Services to James B. Zeppieri, State of New Hampshire Department of Environmental Services (February 28, 1990). Concerning clarification of testing done to samples numbered 140725, 140726, 140565, and 140566.
18. Letter from Richard A. Goehlert, EPA Region I to Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for the PRP Group) (March 28, 1990). Concerning transmittal of the attached results from the split samples taken from the bedrock wells.
19. Letter from James B. Zeppieri, State of New Hampshire Department of Environmental Services to Richard A. Goehlert, EPA Region I (May 21, 1990). Concerning fourth quarterly groundwater sampling round results.
20. "Revised Data Validation Letter Report - Organic Case 11934," Camp Dresser & McKee (November 27, 1989 - Revised September 24, 1990).
21. Letter from Richard A. Goehlert, EPA Region I to Mark O. Hueburger, HMM Associates, Inc. (November 6, 1990). Concerning review of the third quarterly sampling round submitted October 16, 1990.
22. Memorandum from Mark O. Hueburger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (February 25, 1991). Concerning December 1990 quarter sampling and the attached analytical results from the recent groundwater sampling round at the site.

*Analysis of the State of New Hampshire split sampling is located in Appendix 35 of the June 1991 "Remedial Investigation Report," HMM Associates, Inc. which is filed and cited in 3.6 Remedial Investigation (RI) Reports. Other split sampling data may be viewed, by appointment only, at EPA Region I in Boston, Massachusetts.*

### 3.3 Scopes of Work

1. Memorandum from Robert J. Flatley, HMM Associates, Inc. to Savage Municipal Water Supply File with attached "Table I Target Compounds to be Identified During the Savage Well Air Investigation - Phase II" and "Figure 1 Phase II Sampling Locations" (September 28, 1988). Concerning the Scope of Work for the Phase II Air Investigation at the site.
2. Memorandum from Mark Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (March 22, 1990). Concerning the scope of work for additional hydrology studies to be conducted at the site.

## 3.4 Interim Deliverables

## Reports

1. Memorandum from Richard C. Cote. HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (October 13, 1989). Concerning transmittal of the attached "Draft Subtask SE - Surface Water and Sediment Sampling - Phase II." HMM Associates, Inc.
2. "Draft Baseline Health Risk Assessment Report," Buonicore-Cashman Associates (October 31, 1989).
3. "Savage Well Treatability Study - Phase I - Technology Assessment." HMM Associates, Inc. (October 1989).

~~The reports cited as entries numbers 4 to 8 are oversized and may be viewed, by appointment only, at EPA Region I, Boston, Massachusetts.~~

4. "Savage Well Treatability Study - Air Stripping Computer Modeling Data - Volume I," HMM Associates, Inc. (October 1989).
5. "Savage Well Treatability Study - Air Smpping Computer Modeling Data - Volume II," HMM Associates, Inc. (October 1989).
6. "Savage Well Treatability Study - Air Smpping Computer Modeling Data - Volume III," HMM Associates, Inc. (October 1989).
7. "Savage Well Treatability Study - Air Smpping Computer Modeling Data - Volume IV," HMM Associates, Inc. (October 1989).
8. "Savage Well Treatability Study - Granular Activated Carbon Computer Modeling Data," HMM Associates, Inc. (October 1989).
9. "Ecological Risk Assessment," The Cadmus Group, Inc. (August 1, 1990).
10. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlen, EPA Region I (November 1, 1990). Concerning transmittal of the attached "Revised Draft of RI Section 3.2 - Surface Water Hydrology."
11. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (February 25, 1991). Concerning transmittal of the attached updated "Revised Draft of RI Section 3.2 - Surface Water Hydrology" and the Response to EPA's comments Dated December 12, 1990 on the November 1, 1990 "Revised Draft of RI Section 3.2 - Surface Water Hydrology."
12. "Baseline Health Risk Assessment," Environmental Science & Engineering, Inc. (March 20, 1991).
13. Cross-Reference: "Appendix I - Alternative Exposure Scenarios," Environmental Science & Engineering, Inc. (March 20, 1991) [Filed and cited as an attachment to entry number 12 in 3.1 Correspondence].
14. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (May 3, 1991). Concerning the transmittal and explanation of the attached final Remedial Investigation revisions.

## 3.4 Interim Deliverables (cont'd.)

## Comments

15. Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) (March 7, 1990). Concerning the following **attached** comments on the October 31, 1989 "Draft Baseline Health Risk Assessment Report," Buonicore-Cashman Associates.
  - A. Comments Dated February 14, 1990 from Margaret **McDonough**, EPA Region I on the October 31, 1989 "Draft Baseline Health Risk Assessment Report," Buonicore-Cashman Associates.
  - B. Comments Dated December 19, 1989 from The Cadmus Group, **Inc.** on the October 31, 1989 "Draft Baseline Health Risk Assessment Report." Buonicore-Cashman Associates.
  - C. Comments from EPA Region I on the **October** 31, 1989 "Draft Baseline Health Risk Assessment Report," Buonicore-**Cashman** Associates.
16. Comments Dated April 16, 1990 from Thomas F. **Speth**, EPA Risk Reduction Engineering Laboratory on the October 1989 "Savage Well Treatability Study," **HMM Associates, Inc.**
17. Comments Dated April 16, 1990 from Jeffrey **Q. Adams**, EPA Risk Reduction Engineering Laboratory on the October 1989 "Savage Well Treatability Study," **HMM Associates, Inc.**
18. Letter from Mark C. **Rouralis** for Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) to Richard A. Goehlert, EPA Region I (January 18, 1991). Concerning notification that the PRP Group has no comments on the **August** 1, 1990 "Ecological Risk Assessment," The Cadmus Group, **Inc.**
19. Comments Dated March 29, 1991 from Richard A. **Goehlert**, EPA Region I on the March 20, 1991 "Baseline Health Risk Assessment." Environmental Science & Engineering, **Inc.**
20. Comments Dated May 14, 1991 from Richard A. **Goehlert**, EPA Region I on the May 3, 1991 final Remedial Investigation revisions from HMM Associates. **Inc.**

## Responses to Comments

21. Response Dated March 20, 1991 from Environmental Science & Engineering, **Inc.** to the March 7, 1990 EPA Region I Comments on the October 31, 1989 "Draft Baseline Health Risk Assessment Report," Buonicore-Cashman Associates.
22. Cross-Reference: Response Dated February 25, 1991 from Mark O. Heuberger, **HMM Associates, Inc.** to the December 24, 1990 EPA Region I Comments on the November 1, 1990 "Revised **Draft** of RI Section 3.2 - Surface Water Hydrology" [**Filed** and cited as entry number 11 in 3.4 Interim Deliverables].

### 3.6 Remedial Investigation (RI) Reports

#### Report

1. Cross-Reference: **Portions** of the Draft Remedial Investigation Reports were **submitted** to EPA Region I in sections as interim **Deliverables** and are filed and cited in 3.4 Interim Deliverables.

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

2. "Draft Remedial Investigation," HMM Associates, Inc. (November 14, 1989).
3. "Draft Remedial Investigation," HMM Associates, Inc. (February 5, 1991).
4. "Final Remedial Investigation - Volume 1," HMM Associates, Inc. (June 1991).
5. "Final Remedial Investigation - Volume 2 - Appendices 1-15," HMM Associates, Inc. (June 1991).
6. "Final Remedial Investigation - Volume 3 - Appendices 16-29," HMM Associates, Inc. (June 1991).
7. "Final Remedial Investigation - Volume 4 - Appendices 31-36," HMM Associates, Inc. (June 1991).
8. "Final Remedial Investigation - Volume 5 - Plates 1-6," HMM Associates, Inc. (June 1991).

#### Comments

9. Letter from Richard A. Goehlert, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson, & Middleton** (Attorney for the PRP Group) (April 11, 1990). Concerning explanation of the following attachments:
  - A. Comments Dated April 9, 1990 from Richard Willey, EPA Region I on the November 14, 1989 "Draft Remedial Investigation Report," HMM Associates, Inc.
  - B. Comments on the November 14, 1989 "Draft Remedial Investigation Report," HMM Associates, Inc.
10. Comments Dated August 9, 1991 from Mark C. Rouvalis. **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) and Thomas S. Burack. Sheehan, Phinney, Bass & Green (Attorney for the PRP Group) on the changes that the PRP Group were required to make to the February 5, 1991 "Draft Remedial Investigation," HMM Associates, Inc.

#### Responses to Comments

11. Response Dated July 12, 1990 from Mark O. Heuberger, HMM Associates, Inc. to the April 11, 1990 Letter from Richard A. Goehlen. EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson, & Middleton** (Attorney for the PRP Group) transmitting comments on the November 14, 1989 "Draft Remedial Investigation Report," HMM Associates, Inc.

### 3.7 Work Plans and Progress Reports

1. Cross-Reference: "Work Plan for Remedial Investigation/Feasibility Study - Volume I: **Technical Scope of Work**," Camp Dresser & **McKee Inc.** (June 20, 1986) [Filed and cited as the attachment to the record cited as entry number 1 in 10.7 EPA Administrative Orders].
2. "Health and Safety Plan," HMM Associates, Inc. (April 24, 1987).

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

3. "State Oversight Support of Field Investigations for the Remedial Investigation/Feasibility Study - Project Operations Plan," State of New Hampshire Department of Environmental Services (August 1988).
4. "Project Operations Plan - Volume I," HMM Associates, Inc. (October 1988 - Updated November 23, 1988).
5. "Project Operations Plan - Volume II," HMM Associates, Inc. (October 1988).

*The maps associated with the record cited as entry number 6 are oversized and may be viewed, by appointment only, at EPA Region I in Boston, Massachusetts.*

6. "Project Operations Plan - Air Investigation - Subtask 2D," HMM Associates, Inc. (October 1988).
7. "Revised Work Plan - Ecological Risk Assessment," The Cadmus Group, Inc. for CDM Federal Programs Corporation (January 2, 1990).

*The records cited as entries number 8 through 30 are modifications to the October 1988 "Project Operations Plan," HMM Associates, Inc.*

8. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (July 26, 1989). Concerning an addendum to the Monitoring Well Installation Program section of the October 1988 "Project Operations Plan," HMM Associates, Inc.
9. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (August 14, 1989). Concerning an addendum to the Monitoring Well Installation Program section of the October 1988 "Project Operations Plan." HMM Associates, Inc.
10. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (August 31, 1989). Concerning the revised surface water and sediment sampling program of the October 1988 "Project Operations Plan," HMM Associates, Inc.
11. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (October 3, 1989). Concerning the revised locations for the deep bedrock wells.
12. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlen, EPA Region I (October 3, 1989). Concerning an addendum to the Monitoring Well Installation Program section of the October 1988 "Project Operations Plan," HMM Associates, Inc.
13. Memorandum from Richard Willey, EPA Region I to Richard A. Goehlert, EPA Region I (October 16, 1989). Concerning comments on the proposed modifications to the October 1988 "Project Operations Plan." HMM Associates, Inc.
14. Memorandum from Richard A. Goehlert, EPA Region I to Richard C. Cote. HMM Associates, Inc. (October 18, 1989). Concerning comments on the proposed modifications to the October 1988 "Project Operations Plan." HMM Associates, Inc.
15. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlert. EPA Region I (November 1, 1989). Concerning responses to the October 18, 1989 EPA comments on the proposed modifications to the October 1988 "Project Operations Plan," HMM Associates, Inc.
16. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (November 21, 1989). Concerning the wells denoted in the October 1988 "Project Operations Plan," HMM Associates, Inc. for quarterly sampling.

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

17. Letter from Richard A. Goehlert, EPA Region I to Richard C. Cote, HMM Associates, Inc. (December 7, 1989). Concerning review of the November 21, 1989 submittal regarding the first quarterly sampling round.
18. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (December 7, 1989). Concerning the submittal of the proposal for additional **monitoring well locations**.
19. Letter from Richard A. Goehlert, EPA Region I to Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for the PRP Group) (December 11, 1989). Concerning the request that five house **wells** be sampled to determine whether or not drinking water has become contaminated.
20. Letter from Richard A. Goehlert, EPA Region I to Richard C. Cote, HMM Associates, Inc. (December 13, 1989). Concerning review of the December 7, 1989 **letter** detailing additional **monitoring well locations**.
21. Letter from Richard A. Goehlert, EPA Region I to Richard C. Cote, HMM Associates, Inc. (December 13, 1989). Concerning notification **that** several wells need to be **sampled** again for the **first quarterly** sampling round.
22. Memorandum from Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlen, EPA Region I (December 21, 1989). Concerning the proposed aquifer pump test in conjunction with the shutdown and restart of the Hitchiner Manufacturing Company production well.
23. Letter from Richard A. Goehlert, EPA Region I to Richard C. Cote, HMM Associates, Inc. (January 3, 1990). Concerning clarification of the location of the additional monitoring wells.
24. Memorandum from Mark O. Heuberger for Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (January 23, 1990). Concerning the technical scope of work for the soil column flushing studies at the site.
25. **Letter** from Richard A. Goehlen, EPA Region I to Richard C. Cote, HMM Associates, Inc. (February 5, 1990). Concerning review of the January 23, 1990 technical scope of work for the soil column flushing studies at the site.
26. Memorandum from Mark O. Heuberger for Richard C. Cote, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (March 6, 1990). Concerning the proposed wells to be **sampled** in the **second** quarterly sampling round.
27. Letter from Richard A. Goehlert, EPA Region I to Richard C. Cote, HMM Associates, Inc. (March 22, 1990). Concerning review of the March 6, 1990 submittal concerning the second quarterly sampling round.
28. Memorandum from Mark Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (April 13, 1990). Concerning the acknowledgement of EPA's comments on the January 25, 1990 "Soil Column Flushing Study Scope of Work," HMM Associates, Inc.
29. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (May 17, 1990). Concerning the attached table summarizing the laboratory analytical results for the second quarterly sampling round.
30. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (January 22, 1991). Concerning the proposed approach for responding to EPA's request for reevaluation of the seismic refraction survey.

## 5.0 Feasibility Study (FS)

### 4.1 Correspondence

1. Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) (March 28, 1991). Concerning a **partial** summary of the March 26, 1991 meeting and the additional sampling that needs to be done at the site.
2. Letter from Charles M. Losinger, **HMM Associates, Inc.** to Richard A. **Goehlert**, EPA Region I (April 10, 1991). Concerning preliminary analysis of **MM-9A, MM-9B, and MM-10** as three additional cleanup alternatives.
3. Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) (April 22, 1991). Concerning the analysis of the extraction of contaminated water at three locations at the site as an alternative cleanup method.
4. Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) (April 26, 1991). Concerning confirmation that the PRP Group will be unable to meet the May 15, 1991 deadline for the Feasibility Study Report, that an extension until May 22, 1991 is acceptable, and that changes to the Remedial Investigation Report are minimal.
5. Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) (May 6, 1991). Concerning sampling information **from** the eastern portion of the study area and transmittal of the attached sampling map and April 29, 1991 Letter from James B. **Zeppieri**, **State of New Hampshire** Department of Environmental Services to Richard A. **Goehlert**, EPA Region I.
6. Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) (May 10, 1991). Concerning guidance regarding future changes to the remedy.
7. Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) (May 15, 1991). Concerning the review of the cost estimate revisions for the treatment plant operators, long term monitoring, and the metals removal.
8. Memorandum from Mark O. **Heuberger**, **HMM Associates, Inc.** to Richard A. **Goehlen**, EPA Region I (May 24, 1991). Concerning the response to the May 15, 1991 Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for the PRP Group) and the attached revised cost estimates for the Feasibility Study.
9. Letter from Paul F. **Killian**, Kate Schweitzer, John J. Hagopian, Roy F. Weston to Scott Clifford, EPA Region I (June 4, 1991). Concerning the request for information in order to complete evaluation of chromium **data**.
10. Letter from Richard A. **Goehlert**, EPA Region I to Gregory H. Smith, **McLane, Graf, Raulerson, & Middleton** (Attorney for the PRP Group) (June 19, 1991). Concerning confirmation of the July 11, 1991 Public Meeting and the confirmation that the Feasibility Study is nearing completion.

## 1.2 Sampling and Analysis Data

1. Memorandum from **Deborah A. Szaro**, EPA Region I to **Richard A. Goehlert**, EPA Region I (May 23, 1991). Concerning the hexavalent chromium results for the soil samples taken from the site and the following attachments:
  - A. Letter from **Paul F. Killian**, **Kate Schweitzer**, **John J. Hagopian**, **Roy F. Weston, Inc.** to **Dennis Gagne**, EPA Region I (May 22, 1991).
  - B. Telephone Notes Between **Paul Killian**, **Roy F. Weston, Inc.** and **Gary Haworth**, State of New Hampshire Department of Environmental Services (May 21, 1991).
  - C. Telephone Notes Between **Paul Killian**, **Roy F. Weston, Inc.** and **Gary Haworth**, State of New Hampshire Department of Environmental Services (May 22, 1991).
  - D. Memorandum from **Deborah A. Szaro**, EPA Region I to **Richard A. Goehlert**, EPA Region I (April 25, 1991).
  - E. Letter from **Gary Hawonh**, State of New Hampshire Department of Environmental Services to **Deborah A. Szaro**, EPA Region I (May 16, 1991).
2. Memorandum from **Bradley W. Schwab**, Environmental Science & Engineering, Inc. to **Deborah A. Szaro**, EPA Region I (June 11, 1991). Concerning the attached chain of custody forms and information regarding hexavalent chromium sampling.
3. Letter Report from **Paul F. Killian**, **Kate Schweitzer**, **John J. Hagopian**, **Roy F. Weston, Inc.** to **Scott Clifford**, EPA Region I (June 18, 1991). Concerning the comparison of hexavalent chromium soil sample results and the attached:
  - A. "Table I: Comparison of Cr (VI) Data."
  - B. Chain of Custody Forms.
  - C. Sampling Locations for Cr (VI) Sampling.
4. Letter Report from **Paul F. Killian** and **John J. Hagopian**, **Roy F. Weston, Inc.** to **Scott Clifford**, EPA Region I (Revised June 18, 1991). Concerning the revalidation of hexavalent chromium soil sample results and the attached:
  - A. Letter Report from **Paul F. Killian**, **Kate Schweitzer**, **John J. Hagopian**, **Roy F. Weston, Inc.** to **Dennis Gagne**, EPA Region I (Revised June 18, 1991).
  - B. "Chromium Data (VI) from AMRO Laboratory."
5. Memorandum from **Deborah A. Szaro**, EPA Region I to **Richard A. Goehlert**, EPA Region I (June 20, 1991). Concerning the review of the PRP's hexavalent chromium results for the soil samples taken from the site.
6. Letter from **Richard A. Goehlert**, EPA Region I to **Maria N. Borduz**, **Amro Environmental Laboratories** (June 25, 1991). Concerning questions on the analysis of soil samples tested for chromium VI.
7. Letter Report from **Bradley W. Schwab**, Environmental Science & Engineering, Inc. to **Daniel Coolidge**, **Sheeha.**, **Phinney**, **Bass**, and **Green** (June 28, 1991). Concerning results of the chromium soil sample results.
8. Letter from **Maria N. Borduz**, **Amro Environmental Laboratories** to **Richard A. Goehlert**, EPA Region I (June 28, 1991). Concerning the reply to the June 25, 1991 questions on the analysis of soil samples tested for chromium VI.
9. Letter Report from **Paul F. Killian**, **Kate Schweitzer**, **John J. Hagopian**, **Roy F. Weston, Inc.** to **Scott Clifford**, EPA Region I (Revised July 3, 1991). Concerning the comparison of hexavalent chromium soil sample results and the attached:
  - A. Chain of Custody Forms.
  - B. Sampling Locations for Cr (VI) Sampling.
  - C. "Table I: Comparison of Cr (VI) Data."

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

10. Letter Report from Paul F. Killian and John J. Hagopian, Roy F. Weston, Inc. to Scott Clifford, EPA Region I (Revised July 3, 1991). Concerning the revision of the validation of hexavalent chromium soil sample results and the attached:
  - A. Letter Report from Paul F. Killian, Kate Schweitzer, John J. Hagopian, Roy F. Weston, Inc. to Dennis Gagne, EPA Region I (Revised July 3, 1991).
  - B. "Hexavalent Chromium Results."
  - C. "Chromium Data (VT) from AMRO Laboratory."
11. Cross-Reference: Comments Dated July 3, 1991 from Richard A. Goehlert, EPA Region I on the hexavalent chromium soil **sample** results in the June 1991 "Final Feasibility Study," HMM Associates, Inc. [Filed and cited as **entry** number 14 in 4.6 Feasibility Study (FS) **Reports**].
12. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (July 10, 1991). Concerning analysis of contaminant levels within the capture zone and treatment time estimates for the concentrated plume.
13. Memorandum from Margaret McDonough, EPA Region I to Richard A. Goehlert, EPA Region I (September 12, 1991). Concerning the hexavalent chromium soil samples and the attached "Table 1 - Noncarcinogenic Risks from Potential Future Residential Exposure to Hexavalent Chromium at OK Tool."

#### 4.4 Interim Deliverables

##### Reports

1. Memorandum ~~from~~ Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (June 5, 1990). Concerning transmittal of the attached "Draft Feasibility Study - Section 1.0 - Introduction."
2. Memorandum from ~~Mark~~ O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (June 5, 1990). Concerning transmittal of the attached "Draft Feasibility Study - Section 2.0 - Identification and Screening of Technologies."
3. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlen, EPA Region I (September 21, 1990). Concerning transmittal of the attached "Draft Feasibility Study - Section 3.0 - Development and Screening of Remedial Alternatives."
3. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (January 22, 1991). Concerning transmittal of the attached "Draft Feasibility Study - Section 4.0 - Detailed Analysis of Alternatives."
5. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (May 24, 1991). Concerning transmittal of the attached "Draft of Final Revisions for Feasibility Study - Section 1.0 - Introduction."
6. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (May 24, 1991). Concerning transmittal of the attached "Draft of Final Revisions for Feasibility Study - Section 2.0 - Identification and Screening of Technologies."
7. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (June 5, 1991). Concerning transmittal of the attached "Draft of Final Revisions for Feasibility Study - Section 3.0 - Development and Screening of Remedial Alternatives."

#### 4.4 Interim Deliverables (cont'd.)

8. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (June 7, 1991). Concerning transmittal of the attached "Draft of Final Revisions for Feasibility Study - Section 4.0 - Detailed Analysis of Alternatives."

##### Comments

9. Comments Dated November 24, 1990 from Richard A. Goehlert, EPA Region I on the June 5, 1990 "Draft Feasibility Study - Sections 1 and 2," HMM Associates, Inc.
10. Comments Dated June 13, 1991 from Richard A. Goehlert, EPA Region I on the May 24, 1991 "Draft of Final Revisions for Feasibility Study - Sections 1 and 2," HMM Associates, Inc. and additional comments on Applicable or Relevant and Appropriate Requirements (ARARs)
11. Comments Dated June 18, 1991 from Richard A. Goehlert, EPA Region I on the June 7, 1991 "Draft of Final Revisions for Feasibility Study - Section 4," HMM Associates, Inc. with the attached Comments from Charles B. Holtman, State of New Hampshire Office of the Attorney General on the Applicable or Relevant and Appropriate Requirements (ARARs).
12. Comments Dated June 19, 1991 from Richard A. Goehlert, EPA Region I on the June 5, 1991 "Draft of Final Revisions for Feasibility Study - Section 3," HMM Associates, Inc.
13. Comments Dated June 23, 1991 from Richard A. Goehlert, EPA Region I on the June 7, 1991 "Draft of Final Revisions for Feasibility Study - Section 4," HMM Associates, Inc.

#### 4.6 Feasibility Study (FS) Reports

##### Reports

1. Cross-Reference: Portions of the Draft Feasibility Study Reports were submitted to EPA Region I in sections as Interim Deliverables and are filed and cited in 4.4 Interim Deliverables.
2. "Draft Feasibility Study," HMM Associates, Inc. (February 1991).
3. "Draft Feasibility Study Addendum," Haley & Aldrich, Inc. (May 24, 1991).
4. "Final Feasibility Study - Volume 1," HMM Associates, Inc. (June 1991).
5. "Final Feasibility Study - Volume 2 - Appendices." HMM Associates, Inc. (June 1991).
6. "Feasibility Study Addendum," Haley & Aldrich, Inc. (June 1991).

##### Comments

7. Comments Dated April 2, 1991 from Richard A. Goehlert, EPA Region I on the February 1991 "Draft Feasibility Study," HMM Associates, Inc.
8. Comments Dated April 21, 1991 from Richard A. Goehlert, EPA Region I on the February 1991 "Draft Feasibility Study," HMM Associates, Inc.
9. Comments Dated April 22, 1991 from Richard A. Goehlert, EPA Region I on the February 1991 "Draft Feasibility Study," HMM Associates, Inc.
10. Comments Dated April 29, 1991 from Richard A. Goehlert, EPA Region I on the February 1991 "Draft Feasibility Study," HMM Associates, Inc.
11. Comments Dated April 29, 1991 from Richard A. Goehlert, EPA Region I on the February 1991 "Draft Feasibility Study," HMM Associates, Inc.

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

12. Comments Dated May 17, 1991 from Richard A. **Goehlert**, EPA Region I on the Applicable or Relevant and Appropriate Requirements (ARARs) for the February 1991 "Draft Feasibility Study," HMM Associates, Inc.
13. Comments Dated June 21, 1991 from Richard A. Goehlert, EPA Region I on the May 24, 1991 "Draft Feasibility Study Addendum," **Haley & Aldrich**, Inc.
14. **Comments** Dated July 3, 1991 from Richard A. Goehlert, EPA Region I on the hexavalent chromium soil sample results in the June 1991 "Final Feasibility Study," HMM Associates, Inc.
15. Comments Dated August 9, 1991 from Mark C. **Rouvalis**, McLane, Graf, Raulerson & Middleton (Attorney for the PRP Group) and Thomas S. Burack. Sheehan, Phinney, Bass & Green (Attorney for the PRP Group) on the changes that the PRP Group were required to make to the February 1991 "Draft Feasibility Study," HMM Associates, Inc. The following are attached:
  - A. Letter from Bradley Schwab, **Environmental Science & Engineering**, Inc. to Richard A. Goehlert, EPA Region I (March 20, 1991).
  - B. Letter from Daniel S. Coolidge, Sheehan, Phinney, Bass & Green (Attorney for the PRP Group) to Richard A. Goehlert, EPA Region I (April 27, 1991).
  - C. Letter from Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for the PRP Group) to Richard A. Goehlert, EPA Region I (June 4, 1991).
  - D. Letter from Timothy M. Cosgrave, Environmental Project Control to Richard A. Goehlert, EPA Region I (January 7, 1991).
  - E. Letter from Environmental Project Control to Richard A. Goehlert, EPA Region I (**December 11, 1990**).
  - F. Letter from Bradley W. Schwab, Environmental Science & Engineering, Inc. to Daniel S. Coolidge, Sheehan, Phinney, Bass & Green (Attorney for the PRP Group) (June 28, 1991).
  - G. Memorandum from Mark O. Heuberger, HMM Associates, Inc. to Richard A. Goehlert, EPA Region I (**April 29, 1991**).
  - H. Pages and Tables from the February 1991 "Draft Feasibility Study," HMM Associates, Inc.

## 4.9 Proposed Plans for Selected Remedial Action

1. "EPA Proposes Cleanup Plan for the Savage **Municipal** Water Supply Site." EPA Region I (July 1991).

## 5.0 Record of Decision (ROD)

## 5.3 Responsiveness Summary

1. Cross-Reference: Responsiveness Summary is an attachment to the September 27, 1991 "Record of Decision," EPA Region I [Filed and cited as entry number 1 in 5.4 Record of Decision (ROD)].

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

2. Comments Dated July 12, 1991 from William B. Rotch, Milford Cabinet and **Wilton Journal** on the July 1991 Proposed Plan.
3. **Comments** Dated July 16, 1991 from A Milford Tax Payer on the July 1991 Proposed Plan.

## 5.3 Responsiveness Summary (cont'd.)

4. Comments Dated July 19, 1991 from Heidi **Gramatikas** on the July 1991 Proposed Plan.
5. Comments Dated July 20, 1991 from Gordon D. Estabrook, Jr. on the July 1991 Proposed **Plan**.
6. Comments Dated July 20, 1991 from Mary Roy on the July 1991 Proposed Plan.
7. Comments Dated July 23, 1991 from James T. **Lawson** on the July 1991 Proposed Plan.
8. Comments Dated July 25, 1991 from Frederick F. **Marston**, Jr. on the July 1991 Proposed Plan.
9. Comments Dated July 25, 1991 from Nancy E. Gersky on the July 1991 Proposed Plan.
10. Comments Dated July 26, 1991 from Bruce Bezanson on the July 1991 Proposed Plan.
11. Comments Dated July 26, 1991 from Richard Mace, Sr., Richard Medlyn, Peter **Leishman**, John **Ruonala**, and **Rosario Ricciardi**, Town of Milford on the July 1991 Proposed Plan.
12. **Comments** dated July 27, 1991 from William W. Cleaves on the July 1991 Proposed Plan.
13. Comments Dated July 27, 1991 from **Ahma B. Estahook** on the July 1991 Proposed Plan.
14. Comments Dated July 29, 1991 from Gary L. Daniels on the July 1991 Proposed Plan.
15. Comments Dated July 30, 1991 from William **B. Rotch**, The Milford Cabinet and **Wilton** Journal on the July 1991 Proposed Plan and the two attached editorials.
16. Comments Dated July 31, 1991 from Suzanne L. Fournier on the July 1991 Proposed Plan.
17. Comments Dated August 1, 1991 from Stephen H. Taylor, New Hampshire Department of **Agriculture** on the July 1991 Proposed **Plan**.
18. Comments Dated August 5, 1991 from Linda Mossey on the July 1991 Proposed Plan and the attached newspaper article.
19. Comments Dated August 5, 1991 from the Town of Milford Board of Selectmen on the July 1991 **Proposed** Plan and the attached site maps.
20. Comments Dated August 8, 1991 from David **Godbout** on the July 1991 Proposed Plan and the two attached articles.
21. Comments Dated August 8, 1991 from Arthur **Duguay** on the July 1991 Proposed Plan.
22. Comments Dated August 8, 1991 from Dana S. Wallace on the July 1991 Proposed Plan.
23. Comments Dated August 9, 1991 from Maureen E. Raiche. **Devine & Nyquist** (Attorney for OK Tool Company, Inc.) on the July 1991 Proposed Plan and the following attachments:
  - .4. Letter from Peter J. **McGlew**, Aries Engineering to Maureen E. Raiche. **Devine & Nyquist** (Attorney for OK Tool Company, Inc.) (August 6, 1991).
  - B. Section 1, Page 1 of "**Report** of Findings - Hydrogeologic and Water Quality Investigations," Roy F. **Weston**, Inc. for Hitchiner Manufacturing Co. (March 16, 1984).

## 5.3 Responsiveness Summary (cont'd.)

24. Comments Dated August 9, 1991 from Richard C. Nelson, Merrill & Broderick (Attorney for Gary W. Frye) on the July 1991 Proposed Plan and the following attachments:
  - A. Letter from James R. Mitchell, University of New Hampshire Cooperative Extension to Gary W. Frye (August 8, 1991).
  - B. Letter from George W. Hamilton, University of New Hampshire Cooperative Extension to Gary W. Frye (August 8, 1991).
25. Comments Dated August 9, 1991 from Mark C. Rouvalis, McLane, Graf, Raulerson & Middleton (Attorney for Hitchiner Manufacturing Company, Inc.) on the July 1991 Proposed Plan and the following attached exhibits and documents supporting those comments:
  - A. Letter from Jeffrey S. Lawson for Timothy M. Cosgrave and John A. Cherry, Environmental Project Control to Richard A. Goehlert, EPA Region I (December 11, 1990).
  - B. Letter from Timothy M. Cosgrave, Environmental Project Control to Richard A. Goehlert, EPA Region I (January 7, 1991).
  - C. Letter from Gretchen R. Rich and Lawrence P. Smith, Haley & Aldrich to Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for Hitchiner Manufacturing Company, Inc.) (August 9, 1991).
  - D. Letter from Jeffrey T. Dawson, Environmental Project Control to Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for Hitchiner Manufacturing Company, Inc.) and Daniel S. Coolidge, Sheehan, Phinney, Bass, & Green (Attorney for Hendrix Wire and Cable Company) (August 6, 1991).
  - E. "Summary of Selected Publications on Groundwater Pump and Treat Remedies, Including DNAPL Issue."
  - F. "Evaluation of Groundwater Extraction Remedies - Volume 1 - Summary Report," EPA Headquarters (September 1989).
  - G. "Groundwater Issue," EPA Headquarters (October 1989).
  - H. "Guidance on Remedial Actions for Contaminated Groundwater at Superfund Sites - Interim Final," EPA Headquarters (December 1988).
  - I. "Basics of Pump-and-Treat Groundwater Remediation Technology," EPA Headquarters.
  - J. "Groundwater Contamination: Pump-and Treat Remediation." Environmental Science & Technology (June 1989).
  - K. "Pollutants in Porous Media," B. Yaron, G. Dagan. and J. Goldshid.
  - L. "The Trouble With DNAPLs," Roy F. Weston, Inc. (November 1990).
  - M. "Subsurface Contamination by Dense Non-Aqueous Phase Liquid (DNAPL) Chemicals," Stan Feenstra and John A. Cherry (May 1988).
  - N. Letter from Richard Mace, Sr., Richard Medlyn, Peter Leishman, John Ruonala, and Rosario Ricciardi, Town of Milford to Julie Belaga, EPA Region I (July 26, 1991).

## 5.3 Responsiveness Summary (cont'd.)

26. Comments Dated August 9, 1991 from Thomas S. Burack, Sheehan, Phinney, Bass, & Green (Attorney for Hendrix Wire and Cable Company) on the July 1991 Proposed Plan and the following attached exhibits and documents supporting those comments:
- A. Letter from Jeffrey T. Dawson, Environmental Project Control to Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for Hitchiner Manufacturing Company, Inc.) and Daniel S. Coolidge, Sheehan, Phinney, Bass, & Green (Attorney for Hendrix Wire and Cable Company) (August 6, 1991).
  - B. Letter from Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for Hitchiner Manufacturing Company, Inc.) and Daniel S. Coolidge, Sheehan, Phinney, Bass, & Green (Attorney for Hendrix Wire and Cable Company) to Richard A. Goehlert, EPA Region I (May 28, 1991).
  - C. "ROD Decision Summary - Sullivan's Ledge Superfund Site," EPA Region I (June 28, 1989).
  - D. "Superfund Record of Decision - Nyanza Chemical," EPA Region I (September 4, 1985).
  - E. "Declaration for the Record of Decision - Kysor of Cadillac, Inc.," EPA Region V (September 29, 1989).
- 27 25. Comments Dated August 9, 1991 from Kevin P. Cheever on the July 1991 Proposed Plan and the attached site map from "Hydrogeologic Study and Waste Evaluation," Normandeau Associates, Inc. for OK Tool Company, Inc. (December 1983).
- 28 26. Comments Dated August 9, 1991 from L. Richard Bickford on the July 1991 Proposed Plan.
- 29 27. Comments from Shawn F. Dean, Hitchiner Manufacturing Co., Inc. on the July 1991 Proposed Plan.
- 30 28. Comments from Bill D'Alessandro, Crossland's on the July 1991 Proposed Plan.
- 31 29. Comments from Jacqueline Allison on the July 1991 Proposed Plan and the attached Letter from Amy Juchatz, State of New Hampshire Department of Health and Human Services to Mrs. Maurice Larouche (October 2, 1987).
- 32 30. Comments from Steve Burtchell on the July 1991 Proposed Plan.
- 33 31. Comments from 66 Members of the Public on the July 1991 Proposed Plan.
- 34 32. Comments from Marylou Blaisdell, League of Women Voters on the July 1991 Proposed Plan.
- 35 33. Comments from Boyd Etheredge on the July 1991 Proposed Plan.

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

- 34. Comments Dated August 10, 1991 from Attila P. Farkas on the July 1991 Proposed Plan.
- 35. Comments Dated August 13, 1991 from Marilyn Peterman, Town of Amherst on the July 1991 Proposed Plan.

## 5.4 Record of Decision (ROD)

- 1. "Record of Decision," EPA Region I (September 27, 1991).

## 9.0 State Coordination

### 9.1 Correspondence

1. Letter from Edward J. Schmidt, State of New Hampshire Department of Environmental Services to Town of Milford Board of Selectmen (July 11, 1991). Concerning state standards and policies for groundwater use applicable to the site.

## 10.0 Enforcement

### 10.3 State and Local Enforcement Records

1. Memorandum from Ken Marschner, State of New Hampshire Office of Solid Waste and Public Health to Tom Roy, State of New Hampshire (September 17, 1980) with attached sampling maps and sampling data. Concerning the September 15, 1980 collection of soil samples to be tested for chromium.
2. Petition for Temporary and Permanent Injunction and Assessment of Civil Penalties, *State of New Hampshire v. Hitchiner Manufacturing Co., Inc., Robert Savage and Margaret Savage, Robert E. Carter, Hendrix Wire & Cable Corporation, and G & T Construction Corporation*, State of New Hampshire Superior Court (September 30, 1980). The following exhibits are attached:
  - A. Letter from William A. Healy, State of New Hampshire Water Supply and Pollution Control Commission to Paul Mercier, Hitchiner Manufacturing Co., Inc. (June 27, 1980). Concerning violations of National Pollution Discharge Elimination System (NPDES) Permit No. 0001376.
  - B. Letter from Richard P. Grouman for William A. Healy, State of New Hampshire Water Supply and Pollution Control Commission to J.H. Morison, Hitchiner Manufacturing Co., Inc. (July 11, 1980). Concerning violations of National Pollution Discharge Elimination System (NPDES) Permit No. 0001376.
  - C. Letter from Thomas L. Sweeney, State of New Hampshire Water Supply and Pollution Control Commission to J.H. Morison, Hitchiner Manufacturing Co., Inc. (July 11, 1980). Concerning the illegal disposal of hazardous waste and the order to remove contaminated sludge and soil on or before August 15, 1980.
3. Stipulation, *State of New Hampshire v. Hitchiner Manufacturing Co., Inc., Robert Savage and Margaret Savage, Robert E. Carter, Hendrix Wire & Cable Corporation, and G & T Construction Corporation*, State of New Hampshire Superior Court (October 9, 1980) with attached Amendment to Stipulation, *State of New Hampshire v. Hitchiner Manufacturing Co., Inc., Robert Savage and Margaret Savage, Robert E. Carter, Hendrix Wire & Cable Corporation, and G & T Construction Corporation*, State of New Hampshire Superior Court.
4. "Hydrogeologic Study and Waste Evaluation - O.K. Tool Company," Normandeau Associates, Inc. for O.K. Tool Company, Inc. (December 1983).
5. "Report of Findings - Hydrogeologic and Water Quality Investigations - Hitchiner Manufacturing Co.," Roy F. Weston, Inc. (March 16, 1984).
6. "Water Quality Monitoring - O.K. Tool Company - May 11, 1984 Sampling," Normandeau Associates, Inc. for O.K. Tool Company, Inc. (August 1984).
7. "Phase II Site Investigation Summary Report - O.K. Tool Company, Inc.," Normandeau Associates, Inc. for O.K. Tool Company, Inc. (November 15, 1984).

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

8. "Soil Removal From Beneath Indoor Degreasing Tank - O.K. Tool Company, Inc.," Normandeau Associates, Inc. for O.K. **Tool** Company, Inc. (January 3, 1985).
9. "Final Report - Environmental Actions With Regard to the Abandon Drywell Located at the Milford, New Hampshire Facility," **Les A. Cartier** and Associates, Inc. for Hitchiner Manufacturing Company, Inc. (January 7, 1986).
10. Letter from Maureen E. **Raiche**, Devine & Nyquist (Attorney for John F. Kick) to James B. **Zeppieri**, State of New Hampshire Department of Environmental Services (April 4, 1989). Concerning transmittal of the attached sampling maps and the October 1983 "Seismic Refraction and Gravity Investigation - O.K. Tool Company, Inc.," John F. Kick for Normandeau Associates, Inc.

### 10.5 General Negotiations

1. Letter from Gregory H. Smith and Daniel **S. Coolidge**, McLane, Graf, Raulerson, & Middleton (Attorney for the PRP Group) to Richard A. **Goehlert**, EPA Region I (May 28, 1991). Concerning the PRP Group's position on the site cleanup and notification that Hitchiner Manufacturing Company, Inc. and **Hendrix Wire & Cable Corporation** will bear the brunt of financial responsibility for the cleanup.

### 10.7 EPA Administrative Orders

1. Administrative Order By Consent, *In the Matter of Savage Municipal Water Supply Well Sire, O.K. Tool Company, Inc., Hitchiner Manufacturing Company, Inc., New England Steel Fabricators, Inc., and Hendrix Wire and Cable Corporation*, Docket No. 1-87-1096 (August 10, 1987) with the attached "Attachment A: Work Plan for Remedial Investigation/Feasibility Study - Volume I: Technical Scope of Work," Camp Dresser & McKee Inc. (June 20, 1986).

## 11.0 Potentially Responsible Party (PRP)

### 11.7 PRP-Steering Committee Documents

1. Letter from Gregory H. Smith, McLane, Graf, Raulerson, & Middleton (Attorney for the PRP Group) to Richard A. Goehlert, EPA Region I (June 22, 1990). Concerning notification that the PRP Group would like to conduct the August 6, 1990 public meeting.

### 11.9 PRP-Specific Correspondence

1. Letter from **Merrill S. Hohman**, EPA Region I to **William Paradise**, Hendrix Wire and Cable Corporation (June 18, 1985). Concerning notification that Hendrix Wire and Cable Corporation is potentially responsible for the site cleanup.
2. Letter from **Merrill S. Hohman**, EPA Region I to **Nicholas Babich**, Hitchiner Manufacturing Company, Inc. (June 18, 1985). Concerning notification that Hitchiner Manufacturing Company, Inc. is potentially responsible for the site cleanup.
3. Letter from **Merrill S. Hohman**, EPA Region I to **Richard Bucknam**, New England Steel Fabricators, Inc. (June 18, 1985). Concerning notification that New England **Steel** Fabricators, Inc. is potentially responsible for the site cleanup.

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

4. Letter from Merrill S. Hohman, EPA Region I to Thomas Hollis Jr., O.K. Tool Company, Inc. (June 18, 1985). Concerning notification that O.K. Tool Company, Inc. is potentially responsible for the site cleanup.
5. Letter from Merrill S. Hohman, EPA Region I to Nicholas Babich, Hitchiner Manufacturing Company, Inc. (January 13, 1987). Concerning the invitation for Hitchiner Manufacturing Company, Inc. and other potentially responsible parties to voluntarily perform the Remedial Investigation and Feasibility Study.
6. Letter from Merrill S. Hohman, EPA Region I to Richard Bucknam, New England Steel Fabricators, Inc. (January 13, 1987). Concerning the invitation for New England Steel Fabricators, Inc. and other potentially responsible parties to voluntarily perform the Remedial Investigation and Feasibility Study.
7. Letter from Merrill S. Hohman, EPA Region I to Thomas Hollis Jr., O.K. Tool Company, Inc. (January 13, 1987). Concerning the invitation for O.K. Tool Company, Inc. and other potentially responsible parties to voluntarily perform the Remedial Investigation and Feasibility Study.
8. Letter from Merrill S. Hohman, EPA Region I to William Paradise, Hendrix Wire and Cable Corporation (January 13, 1987). Concerning the invitation for Hendrix Wire and Cable Corporation and other potentially responsible parties to voluntarily perform the Remedial Investigation and Feasibility Study.
9. Cross-Reference: Comments Dated August 9, 1991 from Maureen E. Raiche, Devine & Nyquist (Attorney for OK Tool Company, Inc.) on the July 1991 Proposed Plan and with the following attachments [Filed and cited as entry number 23 in 5.3 Responsiveness Summary]:
  - A. Letter from Peter J. McGlew, Aries Engineering to Maureen E. Raiche, Devine & Nyquist (Attorney for OK Tool Company, Inc.) (August 6, 1991).
  - B. Section 1, Page 1 of "Report of Findings - Hydrogeologic and Water Quality Investigations," Roy F. Weston, Inc. for Hitchiner Manufacturing Co. (March 16, 1984).
10. Cross-Reference: Comments Dated August 9, 1991 from Mark C. Rouvalis, McLane, Graf, Raulerson & Middleton (Attorney for Hitchiner Manufacturing Company, Inc.) on the July 1991 Proposed Plan and the following attached exhibits and documents supporting those comments [Filed and cited as entry number 25 in 5.3 Responsiveness Summary]:
  - A. Letter from Jeffrey S. Lawson for Timothy M. Cosgrave and John A. Cherry, Environmental Project Control to Richard A. Goehlert, EPA Region I (December 11, 1990).
  - B. Letter from Timothy M. Cosgrave, Environmental Project Control to Richard A. Goehlert, EPA Region I (January 7, 1991).
  - C. Letter from Gretchen R. Rich and Lawrence P. Smith, Haley & Aldrich to Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for Hitchiner Manufacturing Company, Inc.) (August 9, 1991).
  - D. Letter from Jeffrey T. Dawson, Environmental Project Control to Gregory H. Smith, McLane, Graf, Raulerson & Middleton (Attorney for Hitchiner Manufacturing Company, Inc.) and Daniel S. Coolidge, Sheehan, Phinney, Bass, & Green (Attorney for Hendrix Wire and Cable Company) (August 6, 1991).
  - E. "Summary of Selected Publications on Groundwater Pump and Treat Remedies, Including DNAPL Issue."
  - F. "Evaluation of Groundwater Extraction Remedies - Volume 1 - Summary Report," EPA Headquarters (September 1989).
  - G. "Groundwater Issue," EPA Headquarters (October 1989).
  - H. "Guidance on Remedial Actions for Contaminated Groundwater at Superfund Sites - Interim Final," EPA Headquarters (December 1988).

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

- I. "Basics of **Pump-and-Treat** Groundwater Remediation Technology," EPA Headquarters.
  - J. "Groundwater Contamination: Pump-and Treat Remediation," Environmental Science & Technology (June 1989).
  - K. "Pollutants in Porous Media," B. Yaron, G. Dagan, and J. Goldshid.
  - L. "The Trouble With DNAPLs," Roy F. Weston, Inc. (November 1990).
  - M. "Subsurface Contamination by Dense Non-Aqueous Phase Liquid (DNAPL) Chemicals," Stan Feenstra and John A. Cherry (May 1988).
  - N. Letter from Richard Mace, Sr., Richard Medlyn, Peter Leishman, John Ruonala, and Rosario Ricciardi, Town of Milford to Julie Belaga, EPA Region I (July 26, 1991).
11. Cross-Reference: Comments Dated August 9, 1991 from Thomas S. Burack, Sheehan, Phinney, Bass, & Green (Attorney for **Hendrix** Wire and Cable Company) on the July 1991 Proposed Plan and the following attached exhibits and documents supporting those comments [Filed and cited as entry number 26 in 5.3 Responsiveness Summary]:
- A. Letter from Jeffrey T. Dawson, Environmental Project Control to Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for Hitchiner Manufacturing Company, Inc.) and Daniel S. Coolidge, Sheehan, Phinney, Bass, & Green (Attorney for **Hendrix** Wire and Cable Company) (August 6, 1991).
  - B. Letter from Gregory H. Smith, **McLane, Graf, Raulerson & Middleton** (Attorney for Hitchiner Manufacturing Company, Inc.) and Daniel S. Coolidge, Sheehan, Phinney, Bass, & Green (Attorney for **Hendrix** Wire and Cable Company) to Richard A. **Goehlert**, EPA Region I (May 28, 1991).
  - C. "ROD Decision Summary - Sullivan's Ledge Superfund Site," EPA Region I (June 28, 1989).
  - D. "Superfund Record of Decision - Nyanza Chemical," EPA Region I (September 4, 1985).
  - E. "Declaration for the Record of Decision - Kysor of Cadillac, Inc.," EPA Region V (September 29, 1989).

## 13.0 Community Relations

## 13.1 Correspondence

- 1. Letter from Lee F. **Mayhew**, Town of Milford to Dennis Huebner, EPA Region I (August 10, 1989). Concerning the provisions of the transfer of the Savage Well property from the Town of Milford to Hitchiner Manufacturing Company.
- 2. Letter from Dennis Huebner, EPA Region I to Lee F. **Mayhew**, Town of **Milford** (September 28, 1989). Concerning the response to the August 10, 1989 letter and information on aquifers.
- 3. Letter from Richard Mace Sr., Richard Medlyn, Peter Leishman, John Ruonala, Rosario **Ricciardi**, Town of Milford to Julie Belaga, EPA Region I (May 28, 1991). Concerning position the **Town** of Milford on the selection of a remedy at the site.
- 4. Letter from Julie Belaga, EPA Region I to Richard Mace Sr., Town of Milford (June 20, 1991). Concerning the response to the May 28, 1991 letter and the explanation of the public comment period.

## 13.1 Correspondence (cont'd.)

5. Letter from David E. Harris, Earl J. **Ellingwood**, and George Hicks. Town of **Littleton** to Julie Belaga, EPA Region I (July 3, 1991). Concerning the importance of **Hitchiner** Manufacturing Co. to the Town of Littleton and the Town of Littleton's position on the site cleanup.
6. Letter ~~from~~ Frank Ciavattieri for Merril S. Hohman, EPA Region I to Mr. and Mrs. Leonard Cushing (July 5, 1991). Concerning ~~transmittal~~ of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
7. Letter from Frank **Ciavattieri** for Merrill S. Hohman, EPA Region I to William Furguson (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
8. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Mr. and Mrs. Steven H. Foskett (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
9. Letter from **Frank** Ciavattieri for Memll S. Hohrnan, EPA Region I to John S. **Kopka**, JK Realty Trust (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
10. ~~Letter~~ from Frank Ciavattieri for **Merrill S. Hohman**. EPA Region I to Edith I. Graves and Phylis M. Tagg (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
11. ~~Letter~~ from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Edward **Medlyn**, Medlyn Motors (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
12. Letter from ~~Frank~~ Ciavattieri for **Merrill S. Hohman**, EPA Region I to Steven Talarico, Talarico **Chevrolet/Pontiac** (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
13. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Steven Talarico, Body Magic **Autobody** Shop (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
14. Letter from ~~Frank~~ Ciavattieri for Merrill S. Hohman, EPA Region I to Mr. and Mrs. Ralph Talarico (July 5, 1991). Concerning ~~transmittal~~ of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
15. Letter from Frank **Ciavattieri** for Merrill S. Hohman, EPA Region I to Richard **Prunier**, Souhegan Valley Aquaculture (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has ~~commenced~~.
16. Letter from Frank **Ciavattieri** for Merrill S. Hohrnan, EPA Region I to Stanley Trombley (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
17. Letter from Frank Ciavattieri for Merrill S. **Hohman**, EPA Region I to Suburban Propane Gas Company (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.

## 13.1 Correspondence (cont'd.)

18. Letter ~~from~~ Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Robert Scharmett, Milford Drive-In (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
19. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Richard Fisk, Nashua Trust Company (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
20. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Stephen Faccidomo, Souhegan Investment Corporation (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
21. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Edward F. Hutchinson, Hutchinson and Hutchinson (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
22. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Celia F. Melendy (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
23. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Mr. and Mrs. Charles P. Hayward (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
24. Letter ~~from~~ Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Robert Savage (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
25. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Gary Frye, Frye Farm (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
26. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Robert Fawcett, State of New Hampshire Fish and Game Department (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
27. Letter from Frank Ciavattieri for Merrill S. Hohman, EPA Region I to Karen Emery, Public Service Company (July 5, 1991). Concerning transmittal of the Proposed Plan for review and notification that the process for selecting a cleanup remedy has commenced.
28. Letter from Julie Belaga, EPA Region I to David E. Harris, Town of Littleton (July 23, 1991). Concerning the response to the July 3, 1991 Letter from David E. Harris, Earl J. Ellingwood, and George Hicks, Town of Littleton to Julie Belaga, EPA Region I and transmittal of the July 1991 Proposed Plan.
29. Letter from Julie Belaga, EPA Region I to Richard Mace, Sr., Town of Milford (September 26, 1991). Concerning the response to the Town of Milford's Comments Dated July 26, 1991 and August 5, 1991 on the July 1991 Proposed Plan.

## 13.2 Community Relations Plans

1. "Updated Community Relations Plan," Booz Allen & Hamilton, Inc. (July 18, 1988). tifi
2. "Final Report - Revised Community Relations Plan," Camp Dresser & McKee (October 4, 1988).

### 13.3 News Clippings/Press Release

1. "Environmental News," EPA Region I (July 22, 1985). Concerning the announcement that a public meeting will be held July 29, 1985 to discuss plans to cleanup the site.
2. "Environmental News," EPA Region I (August 12, 1987). Concerning the announcement that O.K. Tool Company, **Hitchiner** Manufacturing Company Inc., **Hendrix** Wire and Cable Corporation, and New England Steel Fabricators Inc. have entered into a Consent Order with EPA.
3. "Environmental News," EPA Region I (July 17, 1991). Concerning the announcement that the **public** hearing date and location has been changed to July 29, 1991 at the Hampshire Hills Sports and Fitness Club.
4. "Environmental News," EPA Region I (September 27, 1991). Concerning the announcement that the Record of Decision (ROD) for the site has been signed.

### 13.4 Public Meetings

1. "Summary of **Public** Meeting on Savage Municipal Well Superfund Site," EPA Region I (July 29, 1985).
2. EPA Region I Meeting Agenda, Public Meeting for the Savage Municipal Well Superfund Site (July 25, 1988).
3. Cross-Reference: Letter from Gregory H. Smith, **McLane**, Graf, Raulerson, & Middleton (Attorney for the PRP Group) to **Richard A. Goehler**, EPA Region I (June 22, 1990). Concerning notification that the PRP Group would like to conduct the August 6, 1990 public meeting [Filed and cited as entry number 1 in 11.7 PRP Steering Committee Documents].
4. "Meeting Summary: Preliminary Results of the Remedial Investigation & Risk Assessment," EPA Region I (August 1990).
5. EPA Region I Meeting Agenda, Public ~~Meeting~~ for the Savage Municipal Well Superfund Site (July 11, 1991). Concerning the Feasibility Study, Addendum, and Proposed **Plan**.
6. "Meeting Summary: Feasibility Study, Addendum, and Proposed Plan," EPA Region I (July 11, 1991).
7. "Statement of **Hitchiner** Manufacturing Co., Inc. - Savage Well Public Comment Meeting - July 29, 1991."

### 13.5 Fact Sheets

1. "Fact Sheet - Savage Municipal Well Site," EPA Region I (December 1988).
2. "Fact Sheet - EPA Announces the Preliminary Results of Remedial Investigation and Risk Assessment Studies," EPA Region I (July 1990).
3. "EPA National Priorities List Sites: New Hampshire - Savage Municipal Water Supply," EPA Headquarters (September 1990).

## 14.0 Congressional Relations

### 14.1 Correspondence

1. Letter from Gordon J. Humphrey, Member of the U.S. Senate to Michael R. **Deland**, EPA Region I (November 26, 1984). Concerning the request that EPA include the Keyes well field contamination in the scope of work for the site.
2. Statement, Attachment to Statement of Michael R. Deland, EPA Region I Before the Natural Resources, **Agricultural** Resources and Environmental Subcommittee of the Committee on Science Technology (October 18, 1985).

#### 14.1 Correspondence (cont'd.)

3. Letter from Judd Gregg, Member of the U.S. House of Representatives to Michael R. Deland, EPA Region I (February 20, 1986). Concerning a request for EPA's position regarding the proposal in which the polluted well would be sold to a group of area companies.
4. Letter from Michael R. Deland, EPA Region I to Judd Gregg, Member of the U.S. House of Representatives (March 10, 1986). Concerning an update of site activities and the attached letter from Michael P. Donahue, State of New Hampshire Water Supply and Pollution Control Commission to Lee F. Mayhew, Town of Milford (December 20, 1985).
5. Letter from Bob Smith, Member of the U.S. Senate to Julie Belaga, EPA Region I (August 20, 1991). Concerning the importance of arriving at a fair settlement at the site.

#### 16.0 Natural Resource Trustee

##### 16.1 Correspondence

1. Letter from Kenneth Finkelstien, United States Department of Commerce National Oceanic and Atmospheric Administration to David J. Newton, EPA Region I (September 18, 1987). Concerning notification that United States Department of Commerce National Oceanic and Atmospheric Administration considers the site to be impacting natural resources under their trusteeship.

##### 16.4 Trustee Notification Form and Selection Guide

1. Letter from Ira W. Leighton for Merrill S. Hohman, EPA Region I to William Patterson, United States Department of the Interior (June 8, 1987). Concerning notification of potential damages to natural resources and the following attachments:
  - A. "Trustee Notification Attachment."
  - B. "Guide to Trustee Selection."
2. Letter from Ira W. Leighton for Merrill S. Hohman, EPA Region I to Sharon Christopherson, United States Department of Commerce National Oceanic and Atmospheric Administration (June 8, 1987). Concerning notification of potential damages to natural resources and the attached "Trustee Notification Attachment."

#### 17.0 Site Management Records

##### 17.8 State and Local Technical Records

1. "Bedrock Fracture Fabric Analysis of the Savage Well, Grugnale Pit and Milford Landfill Hazardous Waste Study Areas," BCI Geonetics, Inc. for the State of New Hampshire Water Supply and Pollution Control Commission (August 24, 1984.)
2. "Commission Report #145 - Hydrogeological Investigation of the Savage Well Site - Volume I," State of New Hampshire Water Supply and Pollution Control Commission (June 1985).
3. "Commission Report #145 - Hydrogeological Investigation of the Savage Well Site - Volume II," State of New Hampshire Water Supply and Pollution Control Commission (June 1985).

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Section II  
Guidance Documents

## GUIDANCE DOCUMENTS

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

### General EPA Guidance Documents

1. "Protection of Wetlands (Executive Order 11990), Appendix D," Federal Register (Vol. 42), 1977. [C003]
2. U.S. Environmental Protection Agency. Guidance Manual for Minimizing Pollution from Waste Disposal Sites (EPA/600/2-78/142), August 1978. [2703]
3. U.S. Environmental Protection Agency. Municipal Environmental Research Laboratory. Carbon Adsorption Isotherms for Toxic Organics (EPA/600/8-80/023), April 1, 1980. [2301]
4. U.S. Environmental Protection Agency. Municipal Environmental Research Laboratory. Costs of Remedial Response Actions at Uncontrolled Hazardous Waste Sites, April 15, 1981. [1000]
5. U.S. Environmental Protection Agency. Municipal Environmental Research Laboratory. Handbook for Evaluating Remedial Action Technology Plans (EPA/600/2-83/076), August 1983. [2307]
6. "Final and Proposed Amendments to the National Oil and Hazardous Substances Pollution Contingency Plan," Code of Federal Regulations (Title 40, Part 300), September 8, 1983. [C0237]
7. "National Oil and Hazardous Substances Pollution Contingency Plan," Code of Federal Regulations (Title 40, Part 300), 1985. [C043]
8. "National Oil and Hazardous Substances Pollution Contingency Plan," Federal Register (Vol. 55, No. 46), March 8, 1990. [C063]
9. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Community Relations in Superfund: A Handbook (Interim Version) (EPA/HW-6), September 1983. [C017]
10. U.S. Environmental Protection Agency. Environmental Monitoring Systems Laboratory. Soil Sampling Quality Assurance User's Guide (EPA/600/4-84/043), May 1984. [2117]
11. U.S. Environmental Protection Agency. Office of Ground-Water Protection. Ground-Water Protection Strategy (EPA/440/6-84/002), August 1984. [2403]
12. U.S. Environmental Protection Agency. Environmental Criteria and Assessment Office. Health Effects Assessment Documents (58 Chemical Profiles) (EPA/540/1-86/001-058), September 1, 1984. [5008]
13. "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act; Final Rule and Interim Final Rule and Proposed Rule," Federal Register (Vol. 49, No. 209), October 26, 1984. [C036]
14. U.S. Environmental Protection Agency, Environmental Criteria and Assessment Office. Health Effects Assessment for Asbestos, November 1984.
15. U.S. Environmental Protection Agency. Hazardous Response Support Division. Standard Operating Safety Guides, November 1984. [C082]

16. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Field Standard Operating Procedures Manual #4: Site Entry (OSWER Directive 9285.2-01), January 1, 1985. [2106]
17. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Field Standard Operating Procedures Manual #8: Air Surveillance (OSWER Directive 9285.2-03), January 1, 1985. [2109]
18. U.S. Environmental Protection Agency. Office of Health and Environmental Assessment. Development of Statistical Distribution or Range Standard Factors Used in Exposure Assessments (EPA OHEA-E-16), March 1985. [C020]
19. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Field Standard Operating Procedures Manual #6: Work Zones (OSWER Directive 9285.2-04), April 1, 1985. [2107]
20. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Field Standard Operating Procedures Manual #9: Site Safety Plan (OSWER Directive 9285.2-05), April 1, 1985. [2109]
21. U.S. Environmental Protection Agency. Environmental Research Laboratory. EPA Guide for Minimizing the Adverse Environmental Effects of Cleanup of Uncontrolled Hazardous-Waste Sites (EPA/600/8-85/008), June 1985. [2001]
22. U.S. Environmental Protection Agency. Environmental Monitoring Systems Laboratory. Sediment Sampling Quality Assurance User's Guide (EPA/600/4-85/048), July 1985. [2116]
23. 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). [2005]
24. U.S. Environmental Protection Agency. Office of Waste Programs Enforcement. Toxicology Handbook (OSWER Directive 9850.2), August 1, 1985. [5015]
25. 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). [C053]
26. U.S. Environmental Protection Agency. Office of Waste Programs Enforcement. Endangerment Assessment Handbook, August 1985. [C025]
27. U.S. Environmental Protection Agency. Chemical, Physical, and Biological Properties of Compounds Present at Hazardous Waste Sites (OSWER Directive 9850.3), September 27, 1985. [5001]

28. 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). [8000]
29. U.S. Environmental Protection Agency and Michigan Department of Natural Resources. Field Screening for Organic Contaminants in Samples from Hazardous Waste Sites, April 2, 1986. [2104]
30. U.S. Environmental Protection Agency. Office of Health and Environmental Assessment. Development of Advisory Levels for Polychlorinated Biphenyls (PCBs) Cleanup (EPA 600/8-86/002, OHEA-E-187), May 1986. [C019]
31. 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). [5000]
32. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Guidance on Remedial Actions for Contaminated Groundwater at Superfund Sites (OSWER Directive 9283.1-2), December 1988. [2413]
33. "Guidelines for the Health Risk Assessment of Chemical Mixtures," Federal Register (Vol. 51, No. 185), September 24, 1986.
34. U.S. Environmental Protection Agency. Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended October 17, 1986. [C418]
35. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund Public Health Evaluation Manual (EPA/540/1-86/060, OSWER Directive 9285.4-1), October 1986. [5014]
36. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Draft Guidance on Remedial Actions for Contaminated Groundwater at Superfund Sites (OSWER Directive 9283.1-2), October 1986. [C022]
37. "Hazardous Waste Management Systems; Land Disposal Restrictions; Final Rule." Federal Register (Vol. 51, No. 216), November 7, 1986. [C103]
38. 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) (SW-846), November 1986. [2113]
39. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Interim Guidance on Superfund Selection of Remedy (OSWER Directive 9355.0-19), December 24, 1986. [9000]

40. 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). [9000]
41. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund Federal-Lead Remedial Project Management Handbook (EPA/540/G-87/001, OSWER Directive 9355.1-1), December 1986. [2010]
42. U.S. Environmental Protection Agency. Office of Ground-Water Protection. Guidelines for Ground-Water Classification under the EPA Ground-Water Protection Strategy, December 1986. [2404]
43. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Superfund Glossary (WH/FS-86-007), Winter 1986. [C112]
44. U.S. Environmental Protection Agency. Hazardous Waste Engineering Research Laboratory. Technology Briefs: Data Requirements for Selecting Remedial Action Technology (EPA/600/2-87/001), January 1987. [C088]
45. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Data Quality Objectives for Remedial Response Activities: Development Process (EPA/540/G-87/003, OSWER Directive 9355.0-7B), March 1987. [2101]
46. U.S. Environmental Protection Agency. Office of Waste Programs Enforcement. Data Quality Objectives for Remedial Response Activities - Example Scenario: RI/FS Activities at a Site with Contaminated Soils and Groundwater (EPA/540/G-87/004, OSWER Directive 9355.0-7B), March 1987. [2102]
47. U.S. Environmental Protection Agency. Office of Water Regulations and Standards. Quality Criteria for Water 1986 (EPA/440/5-86/001), May 1, 1987. [4003]
48. 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). [5002]
49. U.S. Environmental Protection Agency. Quality Assurance Management Staff. Guidelines and Specifications for Preparing Quality Assurance Program Documentation, June 1987. [2112]
50. 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). [C055]

51. Memorandum from David P. Ryan, EPA Headquarters to Addressees (Assistant Regional **Administrators**; Management Division Directors; Senior Budget Officers; Regional **Comptrollers**; Waste Management Division Directors; ESD Directors of Regions I, VI, and VII; Director, Office of Emergency and Remedial Response; Director, Office of Waste Programs Enforcement; Financial Management Officers), July 15, 1987 (Discussing determination of indirect costs in Superfund Removal project ceilings (Comptrollers Policy Announcement No. 87-15)).
52. Memorandum from Henry L. Longest, U.S. Environmental Protection Agency Office of Emergency and Remedial Response to Directors, Waste Management Division, Regions I, IV, V, VI, VII, and VIII; Director, Emergency and Remedial Response Division, Region II; Directors, Hazardous Waste Management Division, Regions III and X; Directors, Toxics and Waste Management Division, Region IX (OSWER Directive 9355.0-20), July 23, 1987 (discussing RI/FS improvements). [2008]
53. 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. [C001]
54. Memorandum from Francis S. Blake, General Counsel, to J. Winston Porter, Assistant Administrator for Solid Waste and Emergency Response. July 31, 1987 (discussing the scope of the CERCLA petroleum exclusion under sections 101 (14) and 104 (a) (2)). [C052]
55. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Alternate Concentration Limits Guidance (OSWER Directive 9481.00-6C, EPA/530-SW-87-017), July 1987. [4000]
56. U.S. Environmental Protection Agency. Environmental Research Laboratory. Role of Acute Toxicity Bioassay in the Remediation of Hazardous Waste Sites (EPA/600/8-87/044), August 1, 1987. [5012]
57. 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. [2300]
58. 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. [4002]
59. U.S. Environmental Protection Agency. Office of Research and Development and Office of Solid Waste and Emergency Response, Remedial Action Costing Procedures Manual, October 1987. [6000]
60. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Public Involvement in the Superfund Program (WH/FS-87-004R), Fall 1987. [C1137]
61. 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." [2007]
62. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Draft Guidance on CERCLA Compliance with Other Laws Manual (OSWER Directive 9234.1-01), August 8, 1988. [3002]

63. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. A Compendium of Superfund Field Operations Methods (OSWER Directive 9355.0-14). [2100]  
December 1987.
64. "Estimated Soil Ingestion Rates for Use in Risk Assessment," Risk Analysis [C076]  
(Vol. 7, No. 3), 1987.
65. U.S. Environmental Protection Agency. Hazardous Evaluation Division. Laboratory Data Validation Functional Guidelines for Evaluating Organics, February 1, 1988. [2114]
66. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Interim Final Guidance on Conducting Remedial Investigations and Feasibility Studies under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act), October 1988. [2002]
67. 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). [1005]
68. Memorandum from Henry L. Longest, U.S. Environmental Protection Agency Office of Emergency and Remedial Response to Directors, Waste Management Division, Regions I, IV, V, and VI; Director, Emergency and Remedial Response Division, Region II; Directors, Hazardous Waste Management Division, Regions III and X; Directors, Toxics and Waste Management Division, Region IX; Director, Environmental Services Division, Regions I-X (OSWER Directive 9355.0-05), April 25, 1988 (discussing RI/FS improvements follow-up). [2009]
69. 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. [5013]
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