

Superfund Records Center

SITE: Silresim Chemical Corp

BREAK: 2001

OTHER: 34544

Silresim Chemical Corp.

NPL Site Administrative Record

Index

Compiled: September 13, 1989
Updated: April 25, 1990
Updated: June 19, 1991
ROD Signed: September 19, 1991

Prepared for

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

With Assistance from

AMERICAN MANAGEMENT SYSTEMS, INC.

One Bowdoin Square, 7th Floor • Boston, Massachusetts 02114 • (617) 557-2000

Introduction

This document is the Index to the Administrative Record for the Silresim Chemical Corp. 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. Additional guidance documents that EPA staff may have consulted in selecting a response action are available through EPA's Region I office.

The Administrative Record is available for public review at EPA's Region I Office in Boston, Massachusetts, and at the Pollard Memorial Library, 401 Merrimack Street, Lowell, Massachusetts 01850. Questions concerning the Administrative Record should be addressed to the EPA Region I Remedial Project Manager.

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

Section I

Site-Specific Documents

ADMINISTRATIVE RECORD INDEX

for the

Silresim Chemical Corp. NPL Site

1.0 Pre-Remedial

1.2 Preliminary Assessment

1. "Potential Hazardous Waste Site - Identification and Preliminary Assessment" Form, EPA Region I (July 3, 1980).
2. "Potential Hazardous Waste Site - Tentative Disposition" Form, EPA Region I (July 3, 1980).

1.3 Site Inspection

1. "Potential Hazardous Waste Site - Site Inspection Report" Form, EPA Region I (July 3, 1980).
2. "Potential Hazardous Waste Site - Site Inspection Report" Form, EPA Region I (May 18, 1982).

1.18 FIT Technical Direction Documents (TDDs) and Associated Records

1. "Final Report: Analysis of Hazardous Waste Mismanagement Incident in Lowell, Massachusetts," Fred C. Hart Associates, Inc. (June 12, 1978).
2. Memorandum from Paul F. Clay, NUS Corporation to Merrill S. Hohman, EPA Region I (March 29, 1983) with attached "Internal Draft Report - Silresim Air Monitoring," NUS Corporation. Concerning purpose and transmittal of attached report.
3. Memorandum from Mark E. Brickell, NUS Corporation to John F. Hackler and Barbara H. Ikalainen, EPA Region I (May 10, 1983) with attached "Analysis of Silresim Samples," NUS Corporation (March 30, 1983 through May 16, 1983). Concerning perimeter soil sampling, sampling of wells, and remedial measures.
4. Memorandum from Mark E. Brickell, NUS Corporation to EPA Personnel (June 22, 1983). Concerning results of analysis of purgeable and extractable priority pollutants taken at the Arrow Carrier and Menends Investment Realty Property.
5. Letter from Mark E. Brickell, NUS Corporation to John Scannell, Scannell Boiler Works (June 24, 1983) with attached sampling location maps. Concerning results of soil contamination screenings on Scannell Boiler Works property.
6. Letter from Mark E. Brickell, NUS Corporation to Phillip Nyman (Attorney for Wright Leasing and Realty) (June 24, 1983) with attached sampling location maps. Concerning results of soil contamination screenings in the Wright Leasing and Realty parking lot.
7. "Sampling Methodology," EPA Region I with attached sampling locations maps. Concerning soil sampling surveys performed during March and April 1983, and on June 13, 1983 through June 16, 1983.

2.0 Removal Response

2.1 Correspondence

1. Letter from John P. Lehman, EPA Headquarters to Chris Johnson, Silresim Chemical Corporation (October 31, 1974). Concerning attached memorandum and draft resume of vital statistics regarding waste treatment and disposal operations at the Silresim Chemical Corporation.
2. Letter from Thomas C. McMahon, Commonwealth of Massachusetts Division of Water Pollution Control to Daniel K. Moon, EPA Region I (December 27, 1977). Concerning a list of prioritized tasks for site analysis.
3. Letter from Paul G. Keough, EPA Region I to William X. Wall, Member of the Commonwealth of Massachusetts State Senate (February 2, 1978). Concerning information on site activities.
4. Memorandum from Thomas C. McMahon, Commonwealth of Massachusetts Division of Water Pollution Control to David Standley, Commonwealth of Massachusetts Department of Environmental Quality Engineering (March 8, 1978). Concerning the status of the Silresim Chemical Corporation as of March 8, 1978.
5. Letter from Thomas C. McMahon, Commonwealth of Massachusetts Division of Water Pollution Control to William Adams, EPA Region I (April 10, 1978). Concerning a request for assistance with water sample analysis.
6. Letter from William Adams, EPA Region I to Thomas C. McMahon, Commonwealth of Massachusetts Division of Water Pollution Control (April 27, 1978). Concerning assistance in identifying organic chemicals.
7. Letter from Thomas C. McMahon, Commonwealth of Massachusetts Division of Water Pollution Control to Charles D. Lincoln, EPA Region I (August 8, 1978). Concerning a request for initiation of immediate defensive actions.
8. Letter from Charles D. Lincoln, EPA Region I to Thomas C. McMahon, Commonwealth of Massachusetts Division of Water Pollution Control (August 18, 1978). Concerning the immediate initiation of defense actions.
9. Memorandum from Hans Bonne, Commonwealth of Massachusetts Division of Water Pollution Control to Members of the Task Force on Silresim (November 20, 1978). Concerning initiation of cleanup operations.
10. Telephone Notes between Richard C. Boynton, EPA Region I and Glen Gilmore, Commonwealth of Massachusetts Division of Water Pollution Control (January 4, 1979). Concerning update of site cleanup.
11. Trip Report on a Visit to Silresim Chemical Corp., Janet DiBiasio, EPA Region I and Peter Schneider, NERCOM (February 15, 1979). Concerning observation of cleanup operations as of February 1, 1979.
12. Meeting Notes, Public Meeting for the Silresim Chemical Corp. Site, EPA Region I, Commonwealth of Massachusetts Department of Environmental Quality Engineering (June 23, 1981). Concerning public demands for sampling at the site.

2.2 Removal Response Reports

1. "Hazardous Waste Cleanup: Silresim Site in Lowell, Massachusetts," The MITRE Corporation for the Commonwealth of Massachusetts Division of Water Pollution Control (June 1979).

2.3 Sampling and Analysis Data

The 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)

1. POLREP 2, EPA Region I (June 30, 1983).
2. POLREP 3, EPA Region I (July 13, 1983).
3. POLREP 4, EPA Region I (August 4, 1983).
4. POLREP 4, EPA Region I (September 2, 1983).
5. POLREP 1, EPA Region I (June 25, 1986).
6. POLREP 2 and Final, EPA Region I (August 25, 1986).
7. POLREP 1, EPA Region I (December 15, 1986).

2.9 Action Memoranda

1. Memorandum from William N. Hedeman Jr., EPA Headquarters to Lee M. Thomas, EPA Headquarters (June 10, 1983). Concerning implementation of initial remedial measures including removal of structures, installation of fencing and signs, and site cap.
2. Memorandum from Katherine E. Daly, EPA Region I to Michael R. Deland, EPA Region I (April 28, 1986). Concerning completion of removal activities and reparation of a chain link fence.

3.0 Remedial Investigation (RI)

3.1 Correspondence

1. Letter from J. Elliott Thomas Jr., EPA Region I to John D. Tewhey, Jordan Gorrill Associates (January 24, 1983). Concerning results and QA package from soil taken at Silresim.
2. Memorandum from EPA Region I Health Effects Study Group to Merrill S. Hohman, EPA Region I (April 1, 1983). Concerning conclusions reached from the March 14, 1983 through March 23, 1983 air monitoring study.
3. Letter from Barbara H. Ikalainen, EPA Region I to Phillip Nyman (Attorney for Wright Leasing and Realty) (June 21, 1983). Concerning transmittal of the Remedial Action Master Plan.
4. Letter from Barbara H. Ikalainen, EPA Region I to John Scannell, Scannell Boiler Works (June 21, 1983). Concerning transmittal of the Remedial Action Master Plan for the Silresim Site.
5. Letter from Peter J. Aucella, City of Lowell Division of Planning and Development to David M. Webster, EPA Region I (April 2, 1985). Concerning request that issues surrounding potential development at Silresim Site be addressed in the Remedial Investigation/Feasibility Study Work Plan.
6. Letter from David M. Webster, EPA Region I to Norine Danley, Ayer City Homeowners and Renters Association and Massachusetts Fair Share (June 3, 1985). Concerning reopening of comment period and other questions surrounding the Remedial Investigation/Feasibility Study Work Plan.
7. Letter from John R. Moebes, EPA Region I to Peter J. Aucella, City of Lowell Division of Planning and Development (June 5, 1985). Concerning response to letter of April 2, 1985 regarding upcoming Remedial Investigation/Feasibility Study issues.
8. GCA Corporation Attendance List, Remedial Investigation/Feasibility Study Kickoff Meeting for the Silresim Chemical Corp. Site (July 11, 1985).
9. Meeting Notes, Remedial Investigation/Feasibility Study Kickoff Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (July 19, 1985). Concerning the RI/FS process and overview.
10. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (August 7, 1985). Concerning planning of the RI/FS.

3.1 Correspondence (cont'd.)

11. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (September 17, 1985). Concerning various plans in the RI/FS.
12. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (October 23, 1985). Concerning Project Operations Plans.
13. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (November 5, 1985). Concerning RI/FS progress.
14. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (December 11, 1985). Concerning the RI/FS work plan.
15. Letter from Heather M. Ford, EPA Region I to James K. Rogers, Silresim Site Trust (December 16, 1985). Concerning the December RI/FS Oversight and Planning meeting.
16. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (January 13, 1986). Concerning RI/FS progress.
17. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (February 4, 1986). Concerning site sampling and progress.
18. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (March 7, 1986). Concerning progress and deliverable dates.
19. Letter from Philip L. Scannell, Dennis Scannell, and John P. Scannell, Scannell Development Group to E. Michael Thomas, EPA Region I (March 13, 1986) with attached print of proposed buildings. Concerning construction plans, excavation, and moving fill.
20. Letter from James K. Rogers, Silresim Site Trust to David M. Webster, EPA Region I (April 18, 1986). Concerning deliverable delays.
21. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (April 24, 1986). Concerning site progress.
22. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (May 14, 1986). Concerning QA/QC of sampling procedures and progress.
23. Letter from Richard J. Chalpin, Commonwealth of Massachusetts Department of Environmental Quality Engineering to Norine Brodeur, Ayer City Homeowners and Renters Association (May 30, 1986). Concerning answers to questions about the state's role in the Silresim Remedial Investigation/Feasibility Study.
24. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (June 20, 1986). Concerning site progress.
25. Draft Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting and Public Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (July 14, 1986). Concerning citizens issues, and site progress and plans.
26. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (August 11, 1986). Concerning sampling and site progress.
27. Meeting Notes, Remedial Investigation/Feasibility Study Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, GCA Corporation and EPA Region I (September 9, 1986). Concerning sampling and site progress.

3.1 Correspondence (cont'd.)

28. Letter from Joel Balmat, EPA Region I to James K. Rogers, Silresim Site Trust (October 20, 1986). Concerning conditional approval of proposed vent sampling plan.
29. Letter from Joel Balmat, EPA Region I to Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. (October 20, 1986). Concerning monthly groundwater monitoring.
30. Meeting Notes, Final Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, Alliance Technologies Corporation and EPA Region I (November 24, 1986). Concerning overview of field activities and deliverables.
31. Final Draft Meeting Notes, Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, Alliance Technologies Corporation and EPA Region I (December 15, 1986). Concerning overview and oversight of field activities.
32. Final Version Meeting Notes, Monthly Oversight and Planning Meeting for the Silresim Chemical Corp. Site, Alliance Technologies Corporation and EPA Region I (March 4, 1987). Concerning dioxin in soils, overview of field activities, and deliverables.
33. Transcript, EPA Region I and Goldberg-Zoino & Associates, Inc. Remedial Investigation Review Meeting, Camp Dresser & McKee Inc. (May 27, 1987).
34. Letter from Margaret J. Leshen, EPA Region I to James K. Rogers, Silresim Site Trust (May 17, 1988). Concerning scheduling of events necessary for continuation of the Silresim Superfund Project.
35. Letter from Leslie McVickar, EPA Region I to Philip L. Scannell Jr., Lowell Iron and Steel Corp. (June 16, 1988). Concerning soil sampling data and health risk material.
36. Meeting Notes, Remedial Investigation/Feasibility Study Technical Oversight and Planning Meeting, EPA Region I (November 18, 1988). Concerning field studies, air sampling, and the RI/FS.
37. Letter from Leslie McVickar, EPA Region I to Kenneth Carr, U.S. Department of the Interior Fish and Wildlife Division (December 27, 1988). Concerning transmittal of the March 1987 "Draft - Remedial Investigation Report." Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
38. Letter from Leslie McVickar, EPA Region I to Philip L. Scannell Jr., Lowell Iron and Steel Company (March 16, 1989). Concerning soils analytical data, summary tables and well screening results.
39. Letter from James K. Rogers, Silresim Site Trust to Leslie McVickar, EPA Region I (March 23, 1989). Concerning revised schedule for the Remedial Investigation.
40. Letter from Leslie McVickar, EPA Region I to Kenneth Carr, U.S. Department of the Interior Fish and Wildlife Division (April 18, 1989). Concerning transmittal of the April 1989 "Revised Draft Report - Remedial Investigation - Volumes I through VIII," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
41. Memorandum from Deirdre Menoyo, Goodwin, Procter & Hoar (Attorney for Silresim Site Trust) to E. Michael Thomas, EPA Region I, Leslie McVickar, EPA Region I, Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. and Silresim Trustees (July 12, 1989). Concerning the Dense Non-Aqueous Phase Liquid (DNAPL) article by Allan Feenstra and John A. Cherry.
42. Letter from James K. Rogers, Silresim Site Trust to Leslie McVickar, EPA Region I (January 16, 1990). Concerning the Silresim DNAPL Investigation.
43. Letter from Merrill S. Hohman, EPA Region I to James K. Rogers, Silresim Site Trust (February 27, 1990). Concerning site RI/FS issues.
44. Memorandum from William Holden, CDM Federal Programs Corporation to File (March 27, 1990). Concerning field oversight activities at the site.
45. "Presentation to the U.S. Environmental Protection Agency Region I." Guy C. Patrick. Golder Associates Ltd. (August 14, 1990).

3.1 Correspondence (cont'd.)

46. Letter from Leslie McVickar, EPA Region I to James K. Rogers, Silresim Site Trust (August 22, 1990). Concerning the DNAPL Investigation.
47. Letter from James K. Rogers, Silresim Site Trust to Leslie McVickar, EPA Region I (August 29, 1990). Concerning the DNAPL Investigation.
48. Letter from RuthAnn Sherman, EPA Region I to Susan M. Cooke, Goodwin, Procter & Hoar (Attorney for Silresim Site Trust) (September 7, 1990). Concerning notification that EPA has approved the March 1990 Final Draft Remedial Investigation for the site.
49. Letter from Susan M. Cooke, Goodwin, Procter & Hoar (Attorney for Silresim Site Trust) to RuthAnn Sherman, EPA Region I (October 23, 1990). Concerning the attached "Comments on DNAPL Investigatory Program at the Silresim Superfund Site," John A. Cherry and Guy C. Patrick (October 22, 1990).
50. Letter from Leslie McVickar and RuthAnn Sherman, EPA Region I to Susan M. Cooke, Goodwin, Procter & Hoar (Attorney for Silresim Site Trust) (November 8, 1990). Concerning the DNAPL Investigation.
51. Memorandum from J. Pickens, Camp Dresser & McKee Inc. to Addressees (November 28, 1990). Concerning the Cone Penetration Testing (CPT) program activities at the site.
52. Memorandum from J. Pickens, Camp Dresser & McKee Inc. to Addressees (December 7, 1990). Concerning the CPT program activities at the site.
53. Letter from James P. Cassidy Jr. (Attorney for Ralph Tucci) to EPA Region I and Commonwealth of Massachusetts Department of Environmental Protection (January 21, 1991). Concerning request for sampling data.
54. Letter from James P. Cassidy Jr. (Attorney for Ralph Tucci) to Merrill S. Hohman, EPA Region I (May 7, 1991). Concerning request for future sampling data.
55. Letter from Leslie McVickar, EPA Region I to James P. Cassidy Jr. (Attorney for Ralph Tucci) (May 22, 1991). Concerning Mr. Cassidy's request for sampling data.
56. Letter from Leslie McVickar, EPA Region I to James P. Bond, Tanner Street Businessmen's Group (July 26, 1991). Concerning transmittal of the March 1990 "Final Draft Report - Remedial Investigation - Volumes I-III." Goldberg-Zoino & Associates, Inc. for Silresim Site Trust .

3.2 Sampling and Analysis Data

1. Letter from Richard L. Fortin, Perkins Jordan, Inc. to J. Elliot Thomas Jr., EPA Region I (January 10, 1983). Concerning the transmittal of attached Boring Logs, New England Boring Contractors, Inc. (December 8, 1982 through December 13, 1982), Field Inspection Boring Logs, E.C. Jordan Co. (December 8, 1982 through December 14, 1982), and Boring and Monitoring Well Locations Map of the Silresim Chemical Corp. Site.
2. Air Sampling Locations Maps and Corresponding Data (March 14, 1983 through March 23, 1983).
3. "Draft - Silresim Air Monitoring - Silresim Chemical Corporation," NUS Corporation (August 10, 1984).
4. Memorandum from Mark E. Brickell, NUS Corporation to David M. Webster, EPA Region I (August 1, 1985) with attachments. Concerning Silresim CLP Analytical Data from soil samples taken on June 29, 1983 outside of existing fence line.
5. Memorandum from Mark E. Brickell, NUS Corporation to David M. Webster, EPA Region I (August 1, 1985). Concerning Silresim CLP Analytical Data from soil samples taken on April 27, 1983 outside of existing fence line.
6. Memorandum from Mark E. Brickell, NUS Corporation to David M. Webster, EPA Region I (August 1, 1985). Concerning Silresim groundwater monitoring.

3.2 Sampling and Analysis Data (cont'd.)

7. Letter from Matthew West for Lawrence Feldman, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trustees (March 10, 1986). Concerning attached laboratory report from initial round of groundwater samples at the Silresim site.
8. Letter from Lawrence Feldman, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trust (April 1, 1986). Concerning gas chromatograph screening results.
9. Letter from Claire G. Quadri for Charles A. Lindberg and Lawrence Feldman, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trustees (May 1, 1986). Concerning transmittal of attached "Volatile Organic Analysis Data Time History of Concentrations of Chemical Compounds," Goldberg-Zoino & Associates, Inc. (December 2, 1981 through December 4, 1985).
10. Letter from Lawrence Feldman, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trust (May 22, 1986). Concerning PCB contamination of surficial soils.
11. Letter from John E. Ayres, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trustees (May 30, 1986). Concerning the transmittal of attached outline of a proposed air vent sorbent tube sampling program for the Silresim site.
12. Letter from Lawrence Feldman, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trust (May 30, 1986). Concerning transmittal of chemical analyses completed by Roy F. Weston, Inc. during Parts II and III of the Silresim Remedial Investigation.
13. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to Nancy Bettinger, Commonwealth of Massachusetts Department of Environmental Quality Engineering (June 30, 1986). Concerning transmittal of attached subsurface profile sketches and water level data sheets.
14. Memorandum from Charles Moulton, GCA Corporation to Thomas Spittler, EPA Region I (July 7, 1986). Concerning Organic Data Validation Case No. 5870, IT Analytical Services.
15. Memorandum from Michael Jasinski, GCA Corporation to Nancy Piligian and David M. Webster, EPA Region I and Rosemary Ellersick, GCA Corporation (July 8, 1986). Concerning transmittal of attached memos reporting on Organic Validation Cases No. 5304 - Compuchem Labs, No. 5304 - Chemtech Consulting, No. 5629 - Hittman Ebasco, Inc., No. 5629 - Aquatec, Inc. (July 7, 1986).
16. Memorandum from Charles A. Lindberg and William R. Beloff for John E. Ayres, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trust (July 9, 1986). Concerning the contents and transmittal of attached results of surficial soil PCB analyses completed by Roy F. Weston, Inc. and Cambridge Analytical Associates, Inc.
17. Memorandum from Nancy Bettinger, Commonwealth of Massachusetts Department of Environmental Quality Engineering to Richard J. Chalpin, Commonwealth of Massachusetts Department of Environmental Quality Engineering (August 19, 1986) with attached "Analysis of Water Samples from MSF - Lowell - Silresim," ERT for Wehran Engineering (August 15, 1986). Concerning chemical analysis results for samples collected from sewers in the vicinity of the Silresim site.
18. Letter from James Okun, Goldberg-Zoino & Associates, Inc. to Joel Balmat, EPA Region I (November 3, 1986). Concerning transmittal of chromatography for the Silresim Air Vent Study.
19. Letter from Marie M. Studer, Cambridge Analytical Associates to Linda Boynton, EPA Headquarters (November 4, 1986). Concerning transmittal of attached sample data package for Case No. 6483 (Inorganics Analysis) for the Silresim site.

3.2 Sampling and Analysis Data (cont'd.)

20. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trust (November 6, 1986). Concerning transmittal of attached draft preliminary results of groundwater screening and revision of proposed Phase II groundwater sampling plan.
21. Memorandum from Peter R. Kahn, EPA Region I to Joel Balmat, EPA Region I (November 19, 1986). Concerning air vent sampling field performance audit at Silresim site.
22. Meeting Notes, November 14, 1986 Silresim Remedial Investigation/Phase Two Groundwater Sampling Meeting, EPA Region I (November 19, 1986) with attached draft groundwater sampling data. Concerning additional sampling of specific monitoring wells.
23. Letter from Joel Balmat, EPA Region I to Richard Boyle, Transit Construction Company (November 26, 1986). Concerning transmittal of attached analytical results of sampling activities on the Transit Construction Company property.
24. Letter from Emily C. Carfioli, Roy F. Weston, Inc. to Claire G. Quadri, Goldberg-Zoino & Associates, Inc. (December 4, 1986). Concerning transmittal of attached sampling and analysis data summaries.
25. Letter from Emily C. Carfioli, Roy F. Weston, Inc. to Claire G. Quadri, Goldberg-Zoino & Associates, Inc. (December 6, 1986). Concerning transmittal of attached volatile organic analysis data and summary sheet for dioxin samples.
26. Memorandum from Elio Goffi, EPA Region I to Nancy Barmakian, EPA Region I (January 8, 1987). Concerning data validation for Silresim Case No. 2606A.
27. Letter from Claire G. Quadri, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trust (January 15, 1987). Concerning transmittal of attached preliminary dioxin results.
28. "Silresim Phase II Split Samples" Data, GCA Corporation and Alliance Technologies Corporation (February 12, 1987).
29. "Work/QA Plan Short Form - Silresim Chemical Corp. Site." EPA Region I (June 3, 1987).
30. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to Joel Balmat, EPA Region I (July 1, 1987). Concerning transmittal of attached "Silresim Water Levels," (April 10, 1987).
31. Memorandum from James Ward, EPA Region I to Gary Lipson, EPA Region I (August 12, 1987). Concerning Silresim soil sampling.
32. Memorandum from Gary Lipson, EPA Region I to Joel Balmat, EPA Region I (August 24, 1987). Concerning sampling at Silresim Site.
33. Memorandum from Elio Goffi, EPA Region I to Nancy Papoulias, EPA Region I (November 11, 1987). Concerning attached Silresim Site Case No. 3012-A.
34. Letter Report from John Walker for Karen L. Stone, Camp Dresser & McKee Inc. to Nancy Barmakian, EPA Region I (December 10, 1987). Concerning Case No. 8129 - Four Low Level Soil Samples AH828-AH831 - Scannell Property.
35. Memorandum from S.R. Gates, Camp Dresser & McKee Inc. to Margaret J. Leshen, EPA Region I (February 16, 1988). Concerning transmittal of attached Silresim - Scannell property soil sampling.
36. Memorandum from Margaret J. Leshen, EPA Region I to File (February 18, 1988). Concerning soil sample locations at Scannell property.
37. Memorandum from Karen L. Stone, Camp Dresser & McKee Inc. to Nancy Barmakian, EPA Region I (February 19, 1988). Concerning case 8129, organic data validation, and corrections to letter report of December 10, 1987.

3.2 Sampling and Analysis Data (cont'd.)

38. Letter Report from Karen L. Stone, Camp Dresser & McKee Inc. to Margaret J. Leshen, EPA Region I (February 22, 1988) with attached Letter Report from Karen L. Stone, Camp Dresser & McKee Inc. to Nancy Barmakian, EPA Region I (February 19, 1988). Concerning explanation of Data Qualifiers for Validated Organic and Inorganic Data - Case 8129, as an addendum to letter report of December 10, 1987.
39. Memorandum from Peter R. Kahn, EPA Region I to Leslie McVickar, EPA Region I (October 3, 1988). Concerning the transmittal of attached revised "Indoor Air Toxics Study Work Plan - Lowell Iron and Steel, Co.," EPA Region I (September 1988).
40. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to Leslie McVickar, EPA Region I (October 20, 1988). Concerning surficial soil sampling.
41. Memorandum from Peter R. Kahn, EPA Region I to Leslie McVickar, EPA Region I (November 4, 1988). Concerning transmittal of attached final "Indoor Air Toxics Sampling Results - Lowell Iron and Steel Company," EPA Region I (October 1988).
42. "Certificate of Laboratory Analysis," Camp Dresser & McKee Inc. (November 9, 1988). Concerning Silresim samples collected October 12, 1988.
43. Memorandum from Peter R. Kahn, EPA Region I to Leslie McVickar, EPA Region I (November 30, 1988). Concerning the transmittal of attached "Indoor Air Toxics Study Work Plan - Administration Building - Lowell Iron and Steel Company," EPA Region I (November 1988).
44. "Case Report," TMS Analytical Services Inc. (December 5, 1988). Concerning case 4246A with attached:
 - A. Letter from Mary Ann Becker, Lucy B. Guzman, and Joseph D. Mastone, Roy F. Weston, Inc. to Dennis P. Gagne, EPA Region I (January 26, 1989). Concerning the review and evaluation of attached dioxin/furan package submitted by TMS Analytical Services Inc.
 - B. Memorandum from Leslie McVickar, EPA Region I to Debra Szaro, EPA Region I (February 21, 1989). Concerning request for review of dioxin samples.
 - C. Letter from Dan Delinger, TMS Analytical Services, Inc. to Elio Goffi, EPA Region I (March 23, 1989). Concerning explanation of discrepancy of data.
 - D. Memorandum from Elio Goffi, EPA Region I to Leslie McVickar, EPA Region I (April 4, 1989). Concerning independent audit of data package from Roy F. Weston, Inc.
45. Memorandum from Peter R. Kahn, EPA Region I to Leslie McVickar, EPA Region I (January 31, 1989). Concerning the transmittal of "Indoor Air Toxics Sampling Results - Administration Building - Lowell Iron and Steel Company," EPA Region I (January 1989).
46. Letter from Stacy Sabol, Goldberg-Zoino & Associates, Inc. to Leslie McVickar, EPA Region I (February 16, 1989). Concerning draft groundwater analytical summary tables for samples taken in the fall of 1988.
47. Letter from Charles A. Lindberg, Goldberg, Zoino & Associates, Inc. to James K. Rogers, Silresim Site Trust (March 8, 1989). Concerning attached Final Status Report on Fall 1988 Soil Samples.
48. Letter from Charles A. Lindberg, Goldberg, Zoino & Associates, Inc. to James K. Rogers, Silresim Site Trust (March 10, 1989). Concerning attached tables on field activities.
49. Memorandum from William R. Swanson, Camp Dresser & McKee Inc. to Leslie McVickar, EPA Region I (April 3, 1989). Concerning summary table for split soil sampling and potentially responsible party results.

3.2 Sampling and Analysis Data (cont'd.)

The records cited in entry numbers 50 through 71 may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

50. Letter from John D. Tewhey, Perkins Jordan, Inc. to J. Elliott Thomas Jr., EPA Region I (February 11, 1983). Concerning the attached analyses of 15 soil samples from the Lowell area.
51. "Inorganics Traffic Report" Forms and "Organics Traffic Report" Forms Package, EPA Region I (December 4, 1985).
52. "Inorganics Traffic Report" Forms and "Organics Traffic Report" Forms Package, EPA Region I (February 26, 1986 through November 13, 1986).
53. Letter from Carter P. Nulton, Roy F. Weston, Inc. to Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. (February 28, 1986). Concerning data reports of January 27, 1986 (metals, VOAs and BNAs) and January 28, 1986 (TCDD).
54. Letter from Matthew West for Lawrence Feldman, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trustees (March 10, 1986). Concerning transmittal of attached laboratory report from initial round of groundwater samples at the Silresim site.
55. Memorandum from Michael Jasinski, GCA Corporation to David M. Webster, EPA Region I (July 7, 1986). Concerning transmittal of copies of all GCA Corporation sample results and accompanying split sample results.
56. "Organic Analysis Data Sheet" Forms, Aquatec, Inc. (October 11, 1986 through November 26, 1986). Concerning organics analysis results from Phase II surficial soil sampling at Silresim site.
57. "Inorganics Traffic Report" Forms and "Organics Traffic Report" Forms Package, EPA Region I (October 24, 1986 through October 28, 1986).
58. "Inorganics Traffic Report" Forms and "Organics Traffic Report" Forms Package, EPA Region I (November 20, 1986 through November 21, 1986).
59. "Initial Calibration Summary," (November 25, 1986). Concerning dioxin.
60. Letter from Elio Goffi, EPA Region I to Nancy Barmakian, EPA Region I (January 8, 1987). Concerning attached data validation for Silresim Case No. 2626A.
61. "Inorganics Traffic Report" Forms and "Organics Traffic Report" Forms Package, EPA Region I (January 15, 1987).
62. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to the Silresim Site Trust (February 2, 1987). Concerning transmittal of draft analytical results (samples taken from November through December 1987) from soil and groundwater sampling rounds conducted at the Silresim site.
63. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to Joel Balmat, EPA Region I (February 10, 1987). Concerning transmittal of attached revised data summary and full QA/QC package for dioxin analyses of samples SS-16 and SS-17.
64. Letter from Benjamin Rice, Alliance Technologies Corporation to Joel Balmat, EPA Region I (March 4, 1987). Concerning content and transmittal of attached data validation of Phase Two test pit samples - Case No. 6572.
65. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to Joel Balmat, EPA Region I (March 6, 1987). Concerning the transmittal of attached QA/QC packages for samples SS-16, 17, and 18, and samples SS-6, 7, 8, 10, 11, and 14.
66. "Technical Report for USEPA - Volumes 1, 2, and 3," Environmental Testing and Certification Corp. (June 1987). Concerning 3 volumes of raw dioxin data.
67. Letter from Robert F. Smith for Harry J. Klann, Environmental Testing and Certification Corp. to Nancy Barmakian, EPA Region I (August 11, 1987). Concerning addendum to "Technical Report for USEPA - Volumes 1, 2, and 3," Environmental Testing and Certification Corp. (June 1987).

3.2 Sampling and Analysis Data (cont'd.)

68. Letter from Lewis Pillis, Centec Analytical Services, Inc. to Wayne Wirtanen, EPA Region I (October 9, 1987). Concerning transmittal of attached inorganic analyses data package for Case No. 8129.
69. "Regional Review of Organic Contract Laboratory Data Package," NUS Corporation (December 10, 1987). Concerning Case No. 8129 - Scannell Property.
70. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to James K. Rogers, Silresim Site Trust (January 4, 1989). Concerning attached soil and groundwater data.
71. "Data Validation for the Organic Fraction of Case 10725," Versar, Inc. (February 14, 1989). Concerning Fall 1988 split sampling results from Camp Dresser & McKee Inc.

3.4 Interim Deliverables

1. "Preliminary Draft - Remedial Action Master Plan," Camp Dresser & McKee Inc. (January 10, 1983).
2. "Remedial Action Master Plan," Camp Dresser & McKee Inc. (April 1983).
3. Draft "Remedial Action Operating Plan," EPA Region I (June 1983).
4. Draft "Project Operations Plan" - Deliverable 1, Updated with Revisions 1 and 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (August 22, 1985).
5. Draft "Project Operations Plan - Volume I," Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (October 1985).
6. Draft "Project Operations Plan - Volume II" - Revision 1, Updated with Revisions 1 and 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (October 1985).
7. Draft - "Phase One Sampling Plan" - Deliverable 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (December 1985).
8. Final - "Project Operations Plans - Volume I" - Deliverable 1, Revision 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (January 1986).
9. Final - "Project Operations Plans - Volume II" - Deliverable 1, Revision 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (January 1986).
10. "Use of Barcad Instruments for Groundwater Monitoring," Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (January 1986).
11. "Phase One Sampling Plan" - Deliverable 2, Revision 1, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (February 1986).
12. Letter from John E. Ayres, Goldberg-Zoino & Associates, Inc. to Silresim Site Trustees (May 30, 1986). Concerning transmittal of the outline of a proposed air vent sorbent tube sampling program for the Silresim site (Deliverable - 4).
13. "Preliminary Results - Phase I Sampling" - Deliverable 3, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (May 1986).
14. "Phase Two Sampling Plan" - Deliverable 4, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (June 1986).
15. "Phase Two Sampling Plan" - Revised Deliverable 4, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (August 1986).
16. Letter from Charles A. Lindberg for Lawrence Feldman, Goldberg-Zoino & Associates, Inc. to Silresim Site Trust (October 1, 1986). Concerning proposed "Phase II Groundwater Sampling and Analysis Plan" for the Silresim site (expands on section 3.50 of Deliverable 4).
17. Letter Report from Charles A. Lindberg for Lawrence Feldman, Goldberg-Zoino & Associates, Inc. to Silresim Site Trustees (October 10, 1986). Concerning protocol for vent air sampling.
18. "Phase Two Sampling Plan" - Revised Deliverable 4, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (November 1986).

3.4 Interim Deliverables (cont'd.)

19. "Preliminary Results - Phase Two Sampling" - Deliverable 5, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (December 1986).
20. "Site-Specific Health and Safety Plan - Remedial Investigation Addendum - Silresim Site," Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (October 1988).
21. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to James K. Rogers, Silresim Site Trust (December 29, 1988). Concerning transmittal of attached addenda to Remedial Investigation Work Plans.
22. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to James K. Rogers, Silresim Site Trust (May 25, 1990). Concerning the attached map and "Seismic Refraction Survey," Weston Geophysical Corporation for Goldberg-Zoino & Associates, Inc. (April 1990).
23. Letter from William R. Swanson, CDM Federal Programs Corporation to Leslie McVickar, EPA Region I (September 6, 1990). Concerning the attached "Health and Safety Plan," CDM Federal Programs Corporation (September 5, 1990).

Comments

24. Comments Dated January 19, 1983 from Thomas F. McLoughlin, Commonwealth of Massachusetts Department of Environmental Quality Engineering on the January 10, 1983 "Preliminary Draft - Remedial Action Master Plan," Camp Dresser & McKee Inc.
25. Comments Dated January 25, 1983 from Norine Danley, Lowell Fair Share on the January 10, 1983 "Preliminary Draft - Remedial Action Master Plan," Camp Dresser & McKee Inc.
26. Comments Dated March 4, 1983 from Thomas F. McLoughlin, Commonwealth of Massachusetts Department of Environmental Quality Engineering on the January 10, 1983 "Preliminary Draft - Remedial Action Master Plan," Camp Dresser & McKee Inc.
27. Comments Dated April 22, 1983 from Thomas F. McLoughlin, Commonwealth of Massachusetts Department of Environmental Quality Engineering on the April 1983 "Remedial Action Master Plan," Camp Dresser & McKee Inc.
28. Comments Dated July 12, 1983 from Bruce Maillet, Commonwealth of Massachusetts Department of Environmental Quality Engineering on the June 1983 Draft "Remedial Action Operating Plan," EPA Region I.
29. Comments Dated July 12, 1983 from Wesley E. Straub, U.S. Department of Health and Human Services on the June 1983 Draft "Remedial Action Operating Plan," EPA Region I.
30. Comments Dated September 3, 1985 from Philip Gschwend, Massachusetts Institute of Technology Department of Civil Engineering on the August 22, 1985 Draft "Project Operations Plan" - Deliverable 1, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
31. Comments Dated September 4, 1985 from Phyllis Robey, Lowell Fair Share on the August 22, 1985 Draft "Project Operations Plan" - Deliverable 1, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees with attached "Proposal for a Technical Assistance Grant."
32. Comments Dated September 24, 1985 from David M. Webster, EPA Region I on the August 22, 1985 Draft "Project Operations Plan" - Deliverable 1, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
33. Letter from David M. Webster, EPA Region I to James K. Rogers, Silresim Site Trust (October 8, 1985). Concerning transmittal of attached Comments Dated October 1, 1985 from Charles Porfert, EPA Region I on the August 22, 1985 Draft "Project Operations Plan" - Deliverable 1, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.

3.4 Interim Deliverables (cont'd.)

Comments

34. Letter from Heather M. Ford, EPA Region I to James K. Rogers, Silresim Site Trust (November 18, 1985) with attached Comments from EPA Region I on the August 22, 1985 Draft "Project Operations Plan" - Deliverable 1, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees. Concerning conditional approval of the "Project Operations Plan" - Deliverable 1, Revision 1, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees (October 1985).
35. Comments Dated January 10, 1986 from David M. Webster, EPA Region I on the December 1985 Draft - "Phase One Sampling Plan" - Deliverable 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
36. Comments Dated January 15, 1986 from James Thomas, Robert Clemens, and Michael Jasinski, GCA Corporation on the December 1985 Draft - "Phase One Sampling Plan" - Deliverable 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees with attached "A Laboratory Evaluation of Ground Water Sampling Mechanisms," M.J. Barcelona, J.A. Helfrich, E.E. Garske, and J.P. Gibb.
37. Comments Dated January 21, 1986 from Julio C. Olimpico, U.S. Department of the Interior Geological Survey Water Resources Division on the December 1985 Draft - "Phase One Sampling Plan" - Deliverable 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
38. Comments Dated January 28, 1986 from Heather M. Ford, EPA Region I on the December 1985 Draft - "Phase One Sampling Plan" - Deliverable 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
39. Comments Dated February 6, 1986 from Heather M. Ford, EPA Region I on the December 1985 Draft - "Phase One Sampling Plan" - Deliverable 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
40. Comments and Approval Dated February 24, 1986 from Heather M. Ford, EPA Region I on the December 1985 Draft - "Phase One Sampling Plan" - Deliverable 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
41. Comments Dated February 28, 1986 from Philip Gschwend, Massachusetts Institute of Technology Department of Civil Engineering on the December 1985 Draft - "Phase One Sampling Plan" - Deliverable 2, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
42. Comments and Approval Dated May 13, 1986 from David M. Webster, EPA Region I on the May 1986 "Preliminary Results - Phase I Sampling" - Deliverable 3, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
43. Comments Dated June 23, 1986 from Richard J. Chalpin, Commonwealth of Massachusetts Department of Environmental Quality Engineering on the May 1986 "Preliminary Results - Phase I Sampling" - Deliverable 3, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
44. Comments Dated July 10, 1986 from Philip Gschwend, Massachusetts Institute of Technology Department of Civil Engineering on the June 1986 "Phase Two Sampling Plan" - Deliverable 4, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
45. Comments Dated July 21, 1986 from Richard J. Chalpin, Commonwealth of Massachusetts Department of Environmental Quality Engineering on the June 1986 "Phase Two Sampling Plan" - Deliverable 4, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
46. Draft Comments Dated August 4, 1986 on the June 1986 "Phase Two Sampling Plan" - Deliverable 4, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
47. Comments Dated August 13, 1986 from David M. Webster, EPA Region I on the June 1986 "Phase Two Sampling Plan" - Deliverable 4, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.

3.4 Interim Deliverables (cont'd.)

Comments

48. Comments and Conditional Approval Dated September 18, 1986 from David M. Webster, EPA Region I on the August 1986 "Phase Two Sampling Plan" - Revised Deliverable 4, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
49. Comments Dated October 16, 1986 from Peter R. Kahn, EPA Region I on the October 10, 1986 Letter Report Concerning Protocol for Vent Air Sampling, Goldberg-Zoino & Associates, Inc.
50. Comments and EPA Conditional Approval Dated October 20, 1986 from Joel Balmat, EPA Region I on the October 10, 1986 Letter Report Concerning Protocol for Vent Air Sampling, Goldberg-Zoino & Associates, Inc.
51. Comments Dated November 21, 1986 from David M. Webster, EPA Region I on the "Phase Two Sampling Plan" - Revised Deliverable - 4, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.
52. Comments and Approval Dated February 2, 1987 from Heather M. Ford, EPA Region I on the December 1986 "Preliminary Results - Phase Two Sampling" - Deliverable 5, Goldberg-Zoino & Associates, Inc. for Silresim Site Trustees.

Responses to Comments

53. Response Dated March 9, 1983 from Merrill S. Hohman, EPA Region I on the January 25, 1983 Comments from Norine Danley, Lowell Fair Share.
54. Response Dated November 27, 1985 from James K. Rogers, Silresim Site Trust and John E. Ayres, Goldberg-Zoino & Associates, Inc. to the November 18, 1985 Letter from Heather M. Ford, EPA Region I.
55. Response Dated December 20, 1985 from Heather M. Ford, EPA Region I to the November 27, 1985 Response from James K. Rogers, Silresim Site Trust and John E. Ayres, Goldberg-Zoino & Associates, Inc.
56. Response Dated January 22, 1986 from John E. Ayres, Goldberg-Zoino & Associates, Inc. to the January 10, 1986 Comments from David M. Webster, EPA Region I.
57. Response Dated May 30, 1986 from Lawrence Feldman, Goldberg-Zoino & Associates, Inc. to the May 13, 1986 Comments and Approval from David M. Webster, EPA Region I.

3.6 Remedial Investigation (RI) Reports

1. "Draft - Remedial Investigation Report - Volume I" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1987).
2. "Draft - Remedial Investigation Report - Volume II" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1987).
3. "Draft - Remedial Investigation Report - Volume III" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1987).
4. "Draft - Remedial Investigation Report - Volume IV" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1987).
5. "Draft - Remedial Investigation Report - Revised Chapters 5, 6, and 7," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (September 30, 1988).
6. "Revised Draft Report - Remedial Investigation - Volume I," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (April 1989).
7. "Revised Draft Report - Remedial Investigation - Volume II - Tables," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (April 1989).
8. "Revised Draft Report - Remedial Investigation - Volume III," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (April 1989).

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

9. "Revised Draft Report - Remedial Investigation - Volume IV - Appendices A-F," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (April 1989).
10. "Revised Draft Report - Remedial Investigation - Volume V - Appendices G-J," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (April 1989).
11. "Revised Draft Report - Remedial Investigation - Volume VI - Appendices K-M," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (April 1989).
12. "Revised Draft Report - Remedial Investigation - Volume VII - Appendices N-O," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (April 1989).
13. "Revised Draft Report - Remedial Investigation - Volume VIII - Appendices P-R," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (April 1989).
14. "Revised Draft Report - Remedial Investigation - Volume I," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (September 1989).
15. "Revised Draft Report - Remedial Investigation - Volume II," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (September 1989).
16. "Revised Draft Report - Remedial Investigation - Volume III," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (September 1989).
17. "Final Draft Report - Remedial Investigation - Volume I," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1990).
18. "Final Draft Report - Remedial Investigation - Volume II," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1990).
19. "Final Draft Report - Remedial Investigation - Volume III," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1990).
20. "Final Draft Report - Remedial Investigation - Volume IV," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1990).
21. "Final Draft Report - Remedial Investigation - Volume V," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1990).
22. "Final Draft Report - Remedial Investigation - Volume VI," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1990).
23. "Final Draft Report - Remedial Investigation - Volume VII," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1990).
24. "Final Draft Report - Remedial Investigation - Volume VIII," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (March 1990).
25. "Final Draft Remedial Investigation Addendum - Volume I," CDM Federal Programs Corporation (June 1991).
26. "Final Draft Remedial Investigation Addendum - Volume II," CDM Federal Programs Corporation (June 1991).

Comments

27. Comments Dated April 16, 1987 from Lawrence Feldman for Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. on the March 1987 "Draft - Remedial Investigation Report" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
28. Comments Dated April 28, 1987 from Dodie Brownlee, Commonwealth of Massachusetts Department of Environmental Quality Engineering on the March 1987 "Draft - Remedial Investigation Report" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
29. Comments Dated April 29, 1987 from Philip Gschwend, Massachusetts Institute of Technology Department of Civil Engineering on the March 1987 "Draft - Remedial Investigation Report" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
30. Comments Dated May 18, 1987 from Richard J. Chalpin, Commonwealth of Massachusetts Department of Environmental Quality Engineering on the March 1987 "Draft - Remedial Investigation Report" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.

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

Comments

31. Final Draft Comments Dated August 21, 1987 from Joel Balmat, EPA Region I on the March 1987 "Draft - Remedial Investigation Report" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
32. Comments Dated September 30, 1987 from Margaret J. Leshen, EPA Region I on the March 1987 "Draft - Remedial Investigation Report" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
33. Comments Dated December 7, 1988 from Leslie McVickar, EPA Region I on the September 30, 1988 "Draft - Remedial Investigation Report - Revised Chapters 5, 6, and 7," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
34. Comments from Phillip L. Scannell Jr., Scannell Boiler Works on the March 1987 "Draft - Remedial Investigation Report" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
35. Comments from Ayer City Homeowners Association on the March 1987 "Draft - Remedial Investigation Report" - Deliverable 6, Goldberg-Zoino & Associates, Inc. for Silresim Site Trust .
36. Corrections Dated May 22, 1989 from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. on the April 1989 "Revised Draft Report - Remedial Investigation," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
37. Comments Dated June 16, 1989 from Leslie McVickar, EPA Region I on the April 1989 "Revised Draft Report - Remedial Investigation," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
38. Comments Dated June 30, 1989 from Leslie McVickar, EPA Region I on the April 1989 "Revised Draft Report - Remedial Investigation," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust with the attached:
 - A. Comments Dated May 15, 1989 from Kenneth Finkelstein, U.S. Department of Commerce National Oceanic and Atmospheric Administration on the April 1989 "Revised Draft Report - Remedial Investigation," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust with attached Comments Dated August 13, 1987 from Kenneth Finkelstein for Lawrence E. Keister, U.S. Department of Commerce National Oceanic and Atmospheric Administration on the March 1987 "Draft - Remedial Investigation Report," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
 - B. Comments Dated May 25, 1989 from Robert Adler, EPA Region I on the April 1989 "Revised Draft Report - Remedial Investigation," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
 - C. Memorandum from Boyd Allen, Commonwealth of Massachusetts Department of Environmental Quality Engineering to Helen Waldorf, Commonwealth of Massachusetts Department of Environmental Quality Engineering (June 20, 1988). Concerning Superfund sites and Class III designation.
 - D. Memorandum from Robert Adler, EPA Region I to Jane Downing, EPA Region I (February 17, 1989). Concerning ground water classification and ARAR compliance at the Sullivan's Ledge Superfund Site.
 - E. "Massachusetts Drinking Water Standards and Guidelines," Commonwealth of Massachusetts Department of Environmental Quality Engineering (March 1989).
39. Comments Dated December 13, 1989 from Leslie McVickar, EPA Region I on the September 1989 "Revised Draft Report - Remedial Investigation," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust with the attached Comments Dated October 10, 1989 from Kenneth Carr, U.S. Department of the Interior Fish and Wildlife Division on the September 1989 "Revised Draft Report - Remedial Investigation," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.

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

Responses to Comments

40. Response Dated June 16, 1987 from Joel Balmat, EPA Region I to Comments from Phillip L. Scannell, Jr., Scannell Boiler Works.
41. Response Dated November 4, 1987 from Charles A. Lindberg and John E. Ayres, Goldberg-Zoino & Associates, Inc. to the September 30, 1987 Comments from Margaret J. Leshen, EPA Region I.
42. Response Dated March 2, 1990 from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to the December 13, 1989 Comments from Leslie McVickar, EPA Region I.

3.7 Work Plans and Progress Reports

1. "Work Plan - Remedial Investigation/Feasibility Study of Alternatives," NUS Corporation (September 1983).
2. "Work Plan for an RI/FS of the Silresim Site," Goldberg-Zoino & Associates, Inc. and Roy F. Weston, Inc. (April 1984).
3. "Remedial Investigation/Feasibility Study - RI/FS - Work Plan," Camp Dresser & McKee Inc. (February 11, 1985).
4. "Remedial Investigation/Feasibility Study - RI/FS - Work Plan - Appendix B," Camp Dresser & McKee Inc. (February 11, 1985).
5. Trip Report on a Visit to Silresim Site, Peter Hall, GCA Corporation (March 3, 1986). Concerning technical oversight of Goldberg-Zoino & Associates, Inc.'s sampling activities.
6. Cross-Reference: Memorandum from Peter R. Kahn, EPA Region I to Leslie McVickar, EPA Region I (October 3, 1988). Concerning the transmittal of attached revised "Indoor Air Toxics Study Work Plan - Lowell Iron and Steel, Co.," EPA Region I (September 1988) [Filed and cited as entry number 39 in 3.2 Sampling and Analysis Data].
7. Cross-Reference: Memorandum from Peter R. Kahn, EPA Region I to Leslie McVickar, EPA Region I (November 30, 1988). Concerning the transmittal of attached "Indoor Air Toxics Study Work Plan - Administration Building - Lowell Iron and Steel Company," EPA Region I (November 1988) [Filed and cited as entry number 43 in 3.2 Sampling and Analysis Data].
8. "Trip Report, Soil Sample Collection at the Silresim Superfund Site, December 26-28, 1990," CDM Federal Programs Corporation (March 5, 1991).
9. Letter from William Holden, CDM Federal Programs Corporation to Leslie McVickar, EPA Region I (April 16, 1991). Concerning the attached "Trip Report, Groundwater Sample Collection at the Silresim Superfund Site, February 4-8, 1991."

Comments

10. Comments Dated May 10, 1985 from James C. Colman, Commonwealth of Massachusetts Department of Environmental Quality Engineering on the February 11, 1985 "Remedial Investigation/Feasibility Study - Work Plan," Camp Dresser & McKee Inc.
11. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to James K. Rogers, Silresim Site Trust (October 7, 1988) with attached Comments from Leslie McVickar, EPA Region I on the August 1988 "Silresim Remedial Investigation Additional Sampling Work Plan," and attached "Silresim Remedial Investigation - Revised Addendum Work Plan," Goldberg-Zoino & Associates, Inc. (October 1988).

3.9 Health Assessments

1. Memorandum from Christine J. Spadafor, EPA Region I to Leslie Carothers, EPA Region I (July 27, 1982). Concerning health surveys and health investigations for hazardous waste sites in Region I.
2. Memorandum from Georgi A. Jones, U.S. Department of Health and Human Services Public Health Service Centers for Disease Control to John Figler, EPA Region I (October 27, 1982). Concerning a review of Silresim Superfund site.
3. Memorandum from Chester L. Tate Jr. and Thomas K. Welty, Department of Health and Human Services Public Health Service Centers for Disease Control to Assistant Director for Program, U.S. Department of Health and Human Services Public Health Service Centers for Disease Control (June 30, 1983). Concerning attachments regarding issue of temporary relocation of residents during structural demolition and clay capping.
4. "Silresim Area Health Study - Report of Findings - Executive Summary," Center for Survey Research, University of Massachusetts-Boston and Boston University School of Public Health for Commonwealth of Massachusetts Department of Environmental Quality Engineering (November 22, 1983).
5. Comments from Ayer City Homeowners and Renters Association on the November 22, 1983 "Silresim Area Health Study - Report of Findings - Executive Summary," Center for Survey Research, University of Massachusetts-Boston and Boston University School of Public Health for Commonwealth of Massachusetts Department of Environmental Quality Engineering.
6. Memorandum from Marilyn R. DiSirio, U.S. Department of Health and Human Services Public Health Service Agency for Toxic Substances and Disease Registry to Joel Balmat, EPA Region I (January 12, 1986). Concerning recommendation to fence or temporarily cover contaminated area to protect the public health.
7. Memorandum from David Fornez Jr. for Jeffrey A. Lybarger, U.S. Department of Health and Human Services Public Health Service Agency for Toxic Substances and Disease Registry to Marilyn R. DiSirio, U.S. Department of Health and Human Services Public Health Service Agency for Toxic Substances and Disease Registry (August 8, 1986). Concerning recommendation for additional soil sampling to define perimeter of contamination and extend restricted area.
8. Memorandum from Louise A. House, U.S. Department of Health and Human Services Public Health Service Agency for Toxic Substances and Disease Registry to Ira Leighton, EPA Region I (December 10, 1987). Concerning issue of immediate removal action.
9. Memorandum from Louise A. House, U.S. Department of Health & Human Services Public Health Service Agency for Toxic Substances and Disease Registry to Leslie McVickar, EPA Region I (March 5, 1989). Concerning health consultation on indoor air samples at the Silresim site and Lowell Iron and Steel Company.
10. Letter from John B. Miles Jr., U.S. Department of Labor Occupational Safety and Health Administration to Leslie McVickar, EPA Region I (March 8, 1989). Concerning review of indoor air samples.
11. Letter from Leslie McVickar, EPA Region I to Philip L. Scannell Jr., Lowell Iron and Steel Company (March 16, 1989). Concerning transmittal of attached ATSDR and OSHA Health Assessment for Indoor Air Samples taken October 5, 1988 and December 6, 1988.

4.0 Feasibility Study (FS)

4.1 Correspondence

1. Letter from RuthAnn Sherman, EPA Region I to Susan M. Cooke, Goodwin, Procter & Hoar (Attorney for Silresim Site Trust) (October 3, 1990). Concerning the site MCP Risk Assessment Addendum.
2. Letter from Leslie McVickar, EPA Region I to Evelyn Tapani, Commonwealth of Massachusetts Department of Environmental Protection (February 12, 1991). Concerning the state's need to respond to EPA comments on the December 1990 "Draft Deliverable FS-3 Detailed Analysis of Alternatives," Goldberg-Zoino & Associates for Silresim Site Trust.
3. Letter from Evelyn Tapani, Commonwealth of Massachusetts Department of Environmental Protection to James K. Rogers, Silresim Site Trust (April 17, 1991). Concerning Notice of Response Action requiring compliance to implement a remedial action at the site.
4. Letter from Leslie McVickar, EPA Region I to Evelyn Tapani, Commonwealth of Massachusetts Department of Environmental Protection (May 2, 1991). Concerning transmittal of the May 1991 "Draft Feasibility Study Report," GZA GeoEnvironmental, Inc. for Silresim Site Trust and request for comments.
5. Letter from Leslie McVickar, EPA Region I to Evelyn Tapani, Massachusetts Department of Environmental Protection (May 16, 1991). Concerning transmittal of the "First Draft Silresim Proposed Plan" and request for comments.
6. Letter from Evelyn Tapani, Commonwealth of Massachusetts Department of Environmental Protection to Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. (May 31, 1991). Concerning completion of the MCP risk assessment addendum.
7. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to Evelyn Tapani, Commonwealth of Massachusetts Department of Environmental Protection (June 7, 1991). Concerning completion of the MCP risk assessment addendum.
8. Letter from RuthAnn Sherman, EPA Region I to Susan M. Cooke, Goodwin, Procter & Hoar (Attorney for Silresim Site Trust) (June 27, 1991). Concerning approval of the June 1991 "Final Draft Feasibility Study Report - Volumes I-IV." GZA GeoEnvironmental, Inc. for Silresim Site Trust.

4.2 Sampling and Analysis Data

1. Letter from James K. Rogers, Silresim Site Trust to Leslie McVickar, EPA Region I (September 11, 1989). Concerning request by the National Oceanic and Atmospheric Administration (NOAA) for additional water and surface samples with attached:
 - A. "Proposed Additional Sampling River Meadow Brook," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
 - B. "Proposed Surface Water/Sediment Sampling Location Plan," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (August 1989).
2. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to James K. Rogers, Silresim Site Trust (February 5, 1990). Concerning transmittal of the attached sampling results from River Meadow Brook.
3. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates to James K. Rogers, Silresim Site Trust (November 8, 1990). Concerning the status of the soil treatability studies.
4. Letter from Mei Ching Tse and Anita C. Rigassio, Camp Dresser & McKee, Inc. to Dennis P. Gagne, EPA Region I (July 16, 1991). Concerning results of water samples.

4.2 Sampling and Analysis Data (cont'd.)

5. Letter from Mei Ching Tse and Anita C. Rigassio, Camp Dresser & McKee, Inc. to Dennis P. Gagne, EPA Region I (July 17, 1991). Concerning results of water and soil samples.

Comments

6. Comments Dated February 15, 1990 from Kenneth Finkelstein, U.S. Department of Commerce National Oceanic and Atmospheric Administration on the results of the "Proposed Additional Sampling River Meadow Brook," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.

4.3 Scopes of Work

1. "Work Plan for Silresim DNAPL Investigation -- Feasibility Addendum, Volume I -- Technical Scope of Work," CDM Federal Programs Corporation (June 1990).
2. "Attachment I - Technical Memorandum - Scope of Work - Additional Sampling for Feasibility Study Addendum," CDM Federal Programs Corporation (June 1991).

4.4 Interim Deliverables

Reports

1. "Development of Remedial Alternatives - Deliverable FS-1," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (December 1988).
2. "Alternatives Array Document," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (August 1989).
3. "Deliverable FS-2 - Remedial Alternatives Screening," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (November 1989).
4. "Revised Deliverable FS-2 Remedial Alternatives Screening," Goldberg-Zoino & Associates for Silresim Site Trust (July 1990).
5. "Draft Deliverable FS-3 Detailed Analysis of Alternatives - Volume I," Goldberg-Zoino & Associates for Silresim Site Trust (December 1990).
6. "Draft Deliverable FS-3 Detailed Analysis of Alternatives - Volume II," Goldberg-Zoino & Associates for Silresim Site Trust (December 1990).
7. "Draft Deliverable FS-3 Detailed Analysis of Alternatives - Volume III," Goldberg-Zoino & Associates for Silresim Site Trust (December 1990).
8. "Draft - Massachusetts Contingency Plan Risk Assessment Addendum," GZA GeoEnvironmental, Inc. for Commonwealth of Massachusetts on behalf of Silresim Site Trust (June 1991).

Comments

9. Comments Dated January 18, 1989 from Leslie McVickar, EPA Region I on the December 1988 "Development of Remedial Alternatives - Deliverable FS-1," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
10. Comments Dated February 1, 1990 from Leslie McVickar, EPA Region I on the November 1989 "Deliverable FS-2 - Remedial Alternatives Screening," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
11. Letter from Leslie McVickar, EPA Region I to James K. Rogers, Silresim Site Trust (May 22, 1990). Concerning the submittal of Revised Deliverable FS-2.
12. Comments Dated July 13, 1990 from Charles A. Lindberg, Goldberg-Zoino & Associates on the July 1990 "Revised Deliverable FS-2 Remedial Alternatives Screening," Goldberg-Zoino & Associates for Silresim Site Trust.

4.4 Interim Deliverables (cont'd.)

13. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates to James K. Rogers, Silresim Site Trust (August 1, 1990). Concerning errors in the Revised Deliverable FS-2 Remedial Alternatives Screening.

Comments

14. Comments Dated September 11, 1990 from Leslie McVickar, EPA Region I on the July 1990 "Revised Deliverable FS-2 Remedial Alternatives Screening," Goldberg-Zoino & Associates for Silresim Site Trust.
15. Comments Dated February 11, 1991 from Leslie McVickar, EPA Region I on the "Draft Deliverable FS-3 Detailed Analysis of Alternatives," Goldberg-Zoino & Associates for Silresim Site Trust.
16. Comments Dated April 3, 1991 from Leslie McVickar, EPA Region I on the December 1990 "Draft Deliverable FS-3 Detailed Analysis of Alternatives," Goldberg-Zoino & Associates for Silresim Site Trust.

Responses to Comments

17. Letter from James K. Rogers, Silresim Site Trust to Leslie McVickar, EPA Region I (February 27, 1991). Concerning late response to EPA's Draft Comments on the December 1990 "Draft Deliverable FS-3 Detailed Analysis of Alternatives," Goldberg-Zoino & Associates for Silresim Site Trust.
18. Response Dated March 5, 1991 from Charles A. Lindberg, Goldberg-Zoino & Associates on the February 11, 1991 Comments from Leslie McVickar, EPA Region I.
19. Response Dated May 1, 1991 from Charles A. Lindberg, Goldberg-Zoino & Associates on the February 11, 1991 and April 3, 1991 Comments from Leslie McVickar, EPA Region I.

4.5 Applicable or Relevant and Appropriate Requirements (ARARs)

1. Cross-Reference: Letter from M. Gretchen Muench, EPA Region I to Donald Nagle Commonwealth of Massachusetts Department of Environmental Protection (April 12, 1991). Concerning the attached:
 - A. Letter from William Walsh-Rogalski, EPA Region I to Peter R. Bronson, Commonwealth of Massachusetts Department of Environmental Protection (January 3, 1991). Concerning transmittal of portions of the brief filed concerning the F.T. Rose Disposal Pit site.
 - B. Letter from William Walsh-Rogalski, EPA Region I to Peter R. Bronson, Commonwealth of Massachusetts Department of Environmental Protection (January 9, 1991). Concerning the attached portions of the F.T. Rose Disposal Pit site brief [Filed and cited as entry number 5 in 9.1 Correspondence].
2. Cross-Reference: Letter from Peter R. Bronson, Commonwealth of Massachusetts Department of Environmental Protection to William Walsh-Rogalski, EPA Region I (April 22, 1991). Concerning identifying the Massachusetts Contingency Plan (MCP) in the ARAR process [Filed and cited as entry number 6 in 9.1 Correspondence].
3. "Final Assessment of LDR's," CDM Federal Programs Corporation (June 6, 1991).
4. Cross-Reference: "Draft - Massachusetts Contingency Plan Risk Assessment Addendum," GZA GeoEnvironmental, Inc. for Commonwealth of Massachusetts on behalf of Silresim Site Trust (June 1991) [Filed and cited as entry number 8 in 4.4 Interim Deliverables].

4.6 Feasibility Study (FS) Reports

Reports

1. "Draft Feasibility Study Report - Volume I," GZA GeoEnvironmental, Inc. for Silresim Site Trust (May 1991).
2. "Draft Feasibility Study Report - Volume II," GZA GeoEnvironmental, Inc. for Silresim Site Trust (May 1991).
3. "Draft Feasibility Study Report - Volume III," GZA GeoEnvironmental, Inc. for Silresim Site Trust (May 1991).
4. "Draft Feasibility Study Report - Volume IV," GZA GeoEnvironmental, Inc. for Silresim Site Trust (May 1991).
5. "Final Draft Feasibility Study Report - Volume I," GZA GeoEnvironmental, Inc. for Silresim Site Trust (June 1991).
6. "Final Draft Feasibility Study Report - Volume II," GZA GeoEnvironmental, Inc. for Silresim Site Trust (June 1991).
7. "Final Draft Feasibility Study Report - Volume III," GZA GeoEnvironmental, Inc. for Silresim Site Trust (June 1991).
8. "Final Draft Feasibility Study Report - Volume IV," GZA GeoEnvironmental, Inc. for Silresim Site Trust (June 1991).

Comments

9. Comments Dated June 3, 1991 from Leslie McVickar, EPA Region I on the May 1991 "Draft Feasibility Study Report (FS-IV)," GZA GeoEnvironmental, Inc. for Silresim Site Trust.

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

4.7 Work Plans and Progress Reports

1. Draft - "Work Plan - Silresim Feasibility Study," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (August 1988).
2. "Revised Work Plan - Silresim Feasibility Study," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (October 1988).
3. "Final Work Plan - Silresim Feasibility Study," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (January 1989).
4. Letter from James K. Rogers, Silresim Site Trust to Leslie McVickar, EPA Region I (August 30, 1989). Concerning the attached "Treatability Studies Work Plan," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (August 31, 1989).
5. Letter from Charles A. Lindberg, Goldberg-Zoino & Associates, Inc. to James K. Rogers, Silresim Site Trust (November 29, 1989) with the attached "Proposed Exploration Location Plan," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust (August 1989). Concerning a revised work plan for geophysical studies at the site.

Comments

6. Comments Dated November 18, 1988 from Leslie McVickar, EPA Region I on the October 1988 "Revised Work Plan - Silresim Feasibility Study," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.
7. Comments Dated October 17, 1989 from Leslie McVickar, EPA Region I on the August 31, 1989 "Treatability Studies Work Plan," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.

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

Comments

8. Comments Dated November 8, 1989 from Leslie McVickar, EPA Region I on the August 31, 1989 "Treatability Studies Work Plan," Goldberg-Zoino & Associates, Inc. for Silresim Site Trust.

4.9 Proposed Plans for Selected Remedial Action

1. "EPA Proposes Cleanup Plan for Silresim Superfund Site," EPA Region I (June 1991).

Comments

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

5.0 Record of Decision (ROD)

5.3 Responsiveness Summaries

1. Cross-Reference: Responsiveness Summary, EPA Region I (September 19, 1991) [Filed and included as Appendix E in entry number 1 in 5.4 Record of Decision (ROD)].
2. Cross-Reference: Transcript, Public Meeting Summary, EPA Region I (June 10, 1991) [Filed and included as Exhibit A in 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.

3. Comments Dated June 28, 1991 from Anne T. Fox, Commonwealth of Massachusetts Department of Public Health on the June 1991 "EPA Proposes Cleanup Plan for Silresim Superfund Site," EPA Region I.
4. Letter from Norine Brodeur to EPA Region I (July 10, 1991). Concerning a request for an extension of time on the public comment period.
5. Comments Dated August 6, 1991 from John P. Scannell Jr., Scannell Boiler Works Co., Inc. and Philip L. Scannell III, Lowell Iron & Steel Co., Inc. on the June 1991 "EPA Proposes Cleanup Plan for Silresim Superfund Site," EPA Region I.
6. Comments Dated August 19, 1991 from Evelyn Tapani and Helen Waldorf, Commonwealth of Massachusetts Department of Environmental Protection on the June 1991 "EPA Proposes Cleanup Plan for Silresim Superfund Site," EPA Region I.
7. Comments Dated August 20, 1991 from Susan M. Cooke, Goodwin, Procter & Hoar (Attorney for Silresim Site Trust) on the June 1991 "EPA Proposes Cleanup Plan for Silresim Superfund Site," EPA Region I.
8. Cross-Reference: Letter from Helen Waldorf, Commonwealth of Massachusetts Department of Environmental Protection to Leslie McVickar, EPA Region I (September 13, 1991). Concerning clarification of state ARARs [Filed and cited as entry number number 7 in 9.1 Correspondence].

5.4 Record of Decision (ROD)

1. Record of Decision, EPA Region I (September 19, 1991).

9.0 State Coordination

9.1 Correspondence

1. Letter from Kenneth A. Hagg, Commonwealth of Massachusetts Department of Environmental Quality Engineering to Thomas Spittler, EPA Region I (August 2, 1982). Concerning a request for assistance from EPA in analyzing air samples.
2. Letter from Michael R. Deland, EPA Region I to Gerald E. St. Hilaire, Commonwealth of Massachusetts Executive Office of Communities and Development (April 1985). Concerning notification of proposed Superfund project.
3. Letter from Gerald E. St. Hilaire, Commonwealth of Massachusetts Executive Office of Communities and Development to David M. Webster, EPA Region I (May 30, 1985). Concerning review of EPA proposal for a remedial investigation and feasibility study at Silresim Chemical Corp.
4. Letter from Marcia J. Berger, Commonwealth of Massachusetts Department of Environmental Quality Engineering to James K. Rogers, Silresim Site Trust (May 30, 1986). Concerning update on conditions at the Silresim site and explain recommended interim capital improvements.
5. Letter from M. Gretchen Muench, EPA Region I to Donald Nagle, Commonwealth of Massachusetts Department of Environmental Protection (April 12, 1991). Concerning the attached:
 - A. Letter from William Walsh-Rogalski, EPA Region I to Peter R. Bronson, Commonwealth of Massachusetts Department of Environmental Protection (January 3, 1991). Concerning transmittal of portions of the brief filed concerning the F.T. Rose Disposal Pit site.
 - B. Letter from William Walsh-Rogalski, EPA Region I to Peter R. Bronson, Commonwealth of Massachusetts Department of Environmental Protection (January 9, 1991). Concerning the attached portions of the F.T. Rose Disposal Pit site brief.
6. Letter from Peter R. Bronson, Commonwealth of Massachusetts Department of Environmental Protection to William Walsh-Rogalski, EPA Region I (April 22, 1991). Concerning identifying the Massachusetts Contingency Plan (MCP) in the ARAR process.
7. Letter from Helen Waldorf, Commonwealth of Massachusetts Department of Environmental Protection to Leslie McVickar, EPA Region I (September 13, 1991). Concerning clarification of state ARARs.

10.0 Enforcement

10.1 Correspondence

1. Memorandum from Patrick A. Parenteau, EPA Region I to E. Michael Thomas, EPA Region I (November 13, 1984). Concerning telephone conversation with Norine Danley regarding availability of work plan for public review.

10.7 EPA Administrative Orders

1. Administrative Order, In the Matter of The Trustees of the Silresim Site Trust, Silresim Site Trust, Respondents, Docket No. I-85-1083 (July 12, 1985).
2. Memorandum from Harley F. Laing, EPA Region I to Julie Belaga, EPA Region I (June 8, 1990). Concerning Amendment to Silresim Site Trust Agreement.
3. Memorandum from Harley F. Laing and Merrill S. Hohman, EPA Region I to Julie Belaga, EPA Region I (July 16, 1990). Concerning approval of the Amendment to Silresim Site Trust Agreement.
4. Memorandum from Harley F. Laing, EPA Region I to Julie Belaga, EPA Region I (June 4, 1991). Concerning approval of the Amendment to Silresim Site Trust Agreement.
5. Letter from RuthAnn Sherman, EPA Region I to Susan M. Cooke, Goodwin, Procter & Hoar (Attorney for Silresim Trust Site) (June 7, 1991). Concerning the attached Approval of Amendment to Silresim Site Trust Agreement.

11.0 Potentially Responsible Party (PRP)

11.1 PRP Lists

1. "Listing of Potentially Responsible Parties at CERCLA Sites." EPA Headquarters (December 23, 1986).

11.5 Site Level - General Correspondence

1. Letter from Merrill S. Hohman, EPA Region I to Addressees (April 15, 1983). Concerning notification of potential liability.
2. Letter from Anthony D. Cortese, Commonwealth of Massachusetts Department of Environmental Quality Engineering (August 22, 1983). Concerning notification of potential liability.
3. Letter from Merrill S. Hohman, EPA Region I (August 22, 1983) to attached Mailing List (dated October 4, 1983). Concerning notification of potential liability.
4. Memorandum from Daniel Sandhaus, NUS Corporation to E. Michael Thomas, EPA Region I (September 13, 1983) with attached master notification letter. Concerning Silresim notification letters sent out September 6, 1983.
5. Memorandum from Daniel Sandhaus, NUS Corporation to E. Michael Thomas, EPA Region I (September 13, 1983) with attached master notification letter. Concerning Silresim notification letters sent out September 8, 1983.
6. Memorandum from Daniel Sandhaus, NUS Corporation to E. Michael Thomas, EPA Region I (September 13, 1983) with attached master notification letter. Concerning Silresim notification letters sent out September 9, 1983.
7. Memorandum from Daniel Sandhaus, NUS Corporation to E. Michael Thomas, EPA Region I (September 13, 1983) with attached master notification letter. Concerning Silresim notification letters sent out September 13, 1983.
8. Memorandum from Daniel Sandhaus, NUS Corporation to E. Michael Thomas, EPA Region I (September 14, 1983) with attached master notification letter. Concerning Silresim notification letters sent out September 14, 1983.

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

9. Letter from Heather M. Ford, EPA Region I to James K. Rogers, Silresim Site Trustees (June 24, 1986). Concerning change in EPA project coordinator from Heather M. Ford to David M. Webster.
10. Letter from Merrill S. Hohman, EPA Region I to attached Mailing List. Concerning notification of potential liability.

13.0 Community Relations

13.1 Correspondence

1. "Ayers City Fair Share/Silresim Cleanup Committee - Demand Sheet." Lowell Fair Share (July 22, 1981).
2. "Fair Share's Neighborhood Health & Safety Issue Request List," Massachusetts Fair Share (June 17, 1982).
3. Memorandum from EPA Region I to File (August 2, 1982). Concerning City of Lowell Superfund Contact.
4. Telephone Notes Between Barbara H. Ikalainen, EPA Region I and Norine Danley Brodeur, Lowell Fair Share (August 25, 1982). Concerning upcoming Silresim Task Force Meeting.
5. Letter from Michael S. Dukakis, Governor of the Commonwealth of Massachusetts to Norine Danley, Lowell Fair Share (September 10, 1982). Concerning future plans for Silresim.
6. Telephone Notes Between E. Michael Thomas, EPA Region I and Margo Vickers, Public Interest Economics (September 16, 1982). Concerning contract between EPA and Public Interest Economics.
7. Letter from Daniel W. Dubner, Medical Associates to Whom It May Concern (March 16, 1983). Concerning Danley family relocation away from Silresim waste site, with attached:
 - A. Letter from Michael A. Gilchrist, Medical Associates to Mr. and Mrs. Robert Brand (October 26, 1982). Concerning Brand family relocation from present address.
 - B. Letter from Alan T. Kent, Dr.'s Kent and Weisfeldt, Inc. to Whom It May Concern (March 17, 1983). Concerning relocation of Janet Brand from Silresim Superfund site.
 - C. Memorandum from Georgi A. Jones, U.S. Department of Health and Human Services Public Health Service Centers for Disease Control to John Figler, EPA Region I (October 27, 1982). Concerning review of Silresim Superfund site.
 - D. "News Release," Massachusetts Department of Environmental Quality Engineering (September 14, 1982). Concerning selection of Boston University School of Public Health to conduct health study of residents living near Silresim Superfund site.
 - E. Memorandum from Christine J. Spadafor, EPA Region I to Leslie Carothers, EPA Region I (July 27, 1982). Concerning health surveys and health investigations for hazardous waste sites in Region I.
 - F. Telephone Notes Between Christine J. Spadafor, EPA Region I and Mary Ann Fraelich, EPA Headquarters (July 14, 1982). Concerning Silresim health evaluation by CDC.
8. Meeting Agenda, Silresim Task Force (April 6, 1983). Concerning schedule of events at task force meeting.
9. Letter from Lester A. Sutton, EPA Region I to Norine Danley (May 6, 1983). Concerning progress at the Silresim site.
10. Meeting Notes, John F. Hackler, Barbara H. Ikalainen and David Pickman, EPA Region I and Silresim Task Force. (May 11, 1983). Concerning discussion of EPA's expected activities at the Silresim site.