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New Bedford Harbor

Upper and Lower Harbor Operable Unit

Administrative Record

Index

ROD Signed: September 25, 1998

Prepared by EPA-New England
Office of Site Remediation and Restoration

with assistance from
ads
2070 Chain Bridge Road
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INTRODUCTION

This document is the index to the Administrative Record compiled for the Record of Decision for the Upper and Lower Harbor Operable Unit of the New Bedford Harbor Superfund Site. The index cites site-specific documents that were relied upon in formulating the selected remedy for this operable unit. Although not expressly listed in this index, all documents contained in the Administrative Record for the New Bedford Harbor NPL Site Hot Spot Operable Unit Record of Decision and Amendments are incorporated by reference herein, and are expressly made a part of this administrative record.

The Administrative Record, consisting of 18 three-ring binders of the documents listed herein, is available for public review, by appointment, at the EPA Region I OSRR Records Center, Boston, MA, (617-573-5729) and at the New Bedford Public Library, 613 Pleasant Street, New Bedford, Massachusetts, 02745. (Tel. 508-991-6281).

Questions concerning this Administrative Record should be addressed to the EPA Region I site manager.

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

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FOR
UPPER AND LOWER HARBOR OPERABLE UNIT
NEW BEDFORD HARBOR SUPERFUND SITE

3.0 Remedial Investigation (RI)

3.2 Sampling and Analysis Data

1. Letter from Michael J. Moore, Wood Hole Oceanographic Institute to Mary C. Sanderson, EPA Region I (April 17, 1990) with attached National Oceanic and Atmospheric Administration (NOAA) map of the site area. Concerning an upcoming preliminary study of Fundulus heteroclitus histopathology.
2. Letter from Michael J. Moore, Wood Hole Oceanographic Institute to Mary C. Sanderson, EPA Region I (June 29, 1990) with attached National Oceanic and Atmospheric Administration (NOAA) map of the site area. Concerning an upcoming preliminary study of Fundulus heteroclitus histopathology.
3. Letter from Michael J. Moore, Wood Hole Oceanographic Institute to Mary C. Sanderson, EPA Region I (November 14, 1990), concerning a summary of Fundulus heteroclitus histopathological studies of the Acushnet River.

3.10 Endangerment Assessment

1. "Draft Final Baseline Ecological Risk Assessment - New Bedford Harbor Site Feasibility Study," E.C. Jordan Co. for EBASCO Services Inc. (April 1990).
2. Cross Reference: The Draft Baseline Public Health Risk Assessment, (E.C. Jordan for EBASCO), August 1989 is filed and cited under 3.10.12 in the April 6, 1990 Hot Spot Operable Unit Administrative Record.

4.0 Feasibility Study (FS)

4.1 Correspondence

1. Letter from Mark J. Otis, U.S. Army Corps of Engineers to Mary C. Sanderson, EPA Region I (March 30, 1990), concerning transmittal of the attached target cleanup levels for the New Bedford Harbor site.
2. Cross-reference: Letter from Mark J. Otis, U.S. Army Corps of Engineers to Mary C. Sanderson, EPA Region I (May 29, 1990) with attached Mailing List including Richard J. Hughto, Rizzo Associates, Inc. for the Joint Defense Group, concerning transmittal of the May 1990 "New Bedford Harbor Superfund Pilot Study Evaluation of Dredging and Dredged Material Disposal," U.S. Army Corps of Engineers [Filed and cited as entry number 3 in 11.5 Site Level - General Correspondence].

4.1 Correspondence (continued)

3. Letter from Mark J. Otis, U.S. Army Corps of Engineers to Kenneth Finkelstein, U.S. Department of Commerce National Oceanic and Atmospheric Administration (October 23, 1990), concerning the attached detailed cost estimate and discussion related to remediation of several areas within the New Bedford Harbor site located outside the hurricane barrier.
4. Memorandum for the Record, Mark J. Otis, U.S. Army Corps of Engineers (April 8, 1991), concerning the technical impracticality of attaining a 1 ppm residual PCB concentration at the New Bedford site.
5. Memorandum from Mary Sanderson, EPA Region I to the file concerning The New Bedford Harbor Feasibility Study and Proposed Plan; dredging depths September 10, 1991).
6. Letter from Lewis M. Horzempa, EBASCO Services Inc. to Mary C. Sanderson, EPA Region I (September 24, 1991) with the attached Memorandum from Alan S. Fowler, EBASCO Services Inc. to Lewis M. Horzempa, EBASCO Services Inc. (September 10, 1991), concerning engineering estimates for the Feasibility Study footprint adjustments.
7. Letter from Mark J. Otis, U.S. Army Corps of Engineers to Alan S. Fowler, EBASCO Services Inc. (March 16, 1992), concerning transmittal and content of the attached cost estimate for the remedial alternatives developed for the bay portion of the New Bedford Harbor Superfund Site.
8. Letter from Jeffrey Benoit, Commonwealth of Massachusetts Executive Office of Environmental Affairs to Gayle Garman, EPA Region I (March 29, 1992), concerning preliminary state views on a supplemental proposed remedial action plan for the outer harbor.
9. Letter from Lewis Horzempa, EBASCO Services Inc. to Gayle Garman, EPA Region I, (April 23, 1992) with attached Memorandum from Alan S. Fowler, EBASCO Services Inc., (April 23, 1992), concerning supplemental feasibility study support task assessing cost implications on Alternative Bay - 4 if remedial volumes are increased.
10. Memorandum to Mark Otis, U.S. Army Corps of Engineers from Daniel E. Averett concerning Confined Disposal Facility (CDF) leachate losses, (October 28, 1992).
11. Memorandum to Mark J. Otis, U.S. Army Corps of Engineers from Daniel E. Averett, concerning hydraulic conductivity and consolidation data for New Bedford sediment, (February 9, 1993).
12. Letter from Mark J. Otis, U.S. Army Corps of Engineers to Gayle Garman, EPA Region I concerning estimates of contaminant loss from confined disposal facilities (February 12, 1993).
13. Letter from Lewis Horzempa, EBASCO to Gayle Garman, EPA Region I, (March 11, 1993) with attached Feasibility Study Cost Estimate for EPA's proposed remedy.

4.1 Correspondence (continued)

14. Letter, with attachments, from Mark J. Otis, U. S. Army Corps of Engineers to Gayle Garman, EPA Region I responding to questions about leachate received during the proposed plan comment period (April 13, 1993).
    A. Memorandum to Mark J. Otis, U.S. Army Corps of Engineers from Daniel E. Averett concerning The New Bedford Harbor Superfund Site/Confined Disposal Facility (CDF) Leachate Losses (March 19, 1993).
    B. Figures labeled "Typical Cross Sections - CDF #1 & #1b (2 views) and CDF #7 , computed by Mark J. Otis, U.S. Army Corps of Engineers, (February 10, 1993)
15. Memorandum from Lewis Horzempa, EBASCO Services, Inc. to Alan S. Fowler, EBASCO Services, Inc. (August 27, 1993) concerning Ion Exchange as an Effluent Polishing Step, with transmittal letter from Lewis Horzempa, EBASCO Services, Inc. to Gayle Garman, EPA Region I (August 26, 1993).
16. Handwritten notes by David Dickerson, EPA Region I on CDF-7 (Confined Disposal Facility-7) meeting (April 5, 1995).
17. Handwritten notes, by David Dickerson, EPA Region I on CDF-7 (Confined Disposal Facility-7) meeting (October 5, 1995).
18. Handwritten notes by David Dickerson, EPA Region I on Phase 2 Cost Estimate Meeting (March 7, 1996).
19. Letter from David Dickerson, EPA Region I to Thomas K. Neyhart, ComElectric concerning possibilities for underwater cable crossings, and including three (3) figures (April 25, 1996).
20. Revised FS Cost Estimate Summary - New Bedford Harbor, Foster Wheeler, June 21, 1996.
21. Letter from David Dickerson, EPA Region I to Dennis Perry, ComElectric concerning Submerged Power Cables at the New Bedford Harbor Superfund Site (December 31, 1996).
22. Letter from Dennis M. Perry, ComElectric to David Dickerson, EPA Region I concerning aerial photo showing extremes of cable crossing in the Acushnet River (February 18, 1997). Photo may be reviewed by appointment at the EPA Records Center, 90 Canal St., Boston, MA.
23. Letter from Dennis M. Perry, ComElectric to David Dickerson, EPA Region I requesting a meeting to discuss EPA's Proposed Cleanup Plan (March 27, 1997).
24. Letter from David Dickerson, EPA Region I to Dennis Perry, Commonwealth Electric Company memorializing the April 16, 1997 meeting with representatives from EPA, ComElectric, Army Corps of Engineers and Foster Wheeler (April 28, 1997).
25. Letter from Dennis M. Perry, ComElectric to David Dickerson, EPA Region I summarizing the meeting regarding ComElectric's submerged power cables, on May 21, 1997 (July 7, 1997).
26. Memorandum from Anne-Marie Burke, EPA Region I to Dave Dickerson, EPA Region I, concerning target levels for PCBs in fish for the New Bedford Harbor Site (September 22, 1997).

4.1 Correspondence (continued)

27. Letter from David Dickerson, EPA Region I to Dennis Perry, Commonwealth Electric Company containing minutes of the July 9, 1997 meeting with representatives from EPA, ComElectric, Army Corps of Engineers, MA DEP and Foster Wheeler (October 2, 1997).
28. Letter from David Dickerson, EPA Region I to Dennis Perry, Commonwealth Electric Company, concerning EPA's share of the cost of replacing submerged power cables in the Acushnet River (December 9, 1997).
29. Agenda for meeting between EPA and ComElectric held March 18, 1998. [Cost estimates for cables relocation are cited and filed in 4.4.6].
30. Letter from Chester Janowski, EPA Region I to Dennis Perry, Commonwealth Electric Company concerning sharing the cost of Belleville Road intersection work (April 7, 1998).
31. Letter from Lawrence D. Worden, Department of Public Works, City of New Bedford to David Dickerson, EPA Region I concerning Combined Sewer Overflows (CSOs) near the proposed Confined Disposal Facilities (CDFs) (May 5, 1998).
32. Memorandum from Ann Marie Burke, EPA Region I to David Dickerson, EPA Region I concerning area specific cleanup levels for New Bedford Harbor (June 30, 1998).

4.2 Sampling and Analysis Data

1. Letter from Mark J. Otis, U.S. Army Corps of Engineers to Mary C. Sanderson, EPA Region I (April 16, 1991), concerning the attached:
   A. "Well Sampling," U.S. Army Corps of Engineers (October 9-10, 1990).
   B. "Sediment (CDF) Sampling," U.S. Army Corps of Engineers (November 15, 1990).
2. Memorandum from Paul Craffey, Commonwealth of Massachusetts Department of Environmental Protection to Gayle Garman, EPA Region I (January 6, 1992), concerning transmittal and content of the attached PCB data on bird, fish, and sediment analysis.
3. Memorandum for the Record, Gayle Garman, EPA Region I (January 13, 1992) with attached "Table 4-10 trace Metals Analysis Results" from the "Pilot-Scale Incineration of PCB-Contaminated Sediments from the Hot Spot of the New Bedford Harbor Superfund Site," (November 1991), concerning TLCP data on composited sediment sample.
4. "Analytical Data Report - New Bedford - Wells (3/11/92)," U.S. Army Corps of Engineers New England Division Environmental Laboratory (April 29, 1992).
5. Letter Report from Lewis M. Horzempa, EBASCO Services Inc. to Gayle Garman, EPA Region I (June 25, 1992) , concerning PCB concentration and location data sources supporting the attached table.
6. Sample Results for Sediments Sampling North of Wood Street, with Transmittal Slip from Mark Otis, U.S. Army Corps of Engineers to Dave (Dickerson) U.S. EPA Office of Site Remediation and Restoration (July 10, 1995).
7. Preliminary TCLP and Compressive Strength Data, March 26, 1996.

4.4 Interim Deliverables

1. Letter from Mark J. Otis, U.S. Army Corps of Engineers to Mary C. Sanderson, EPA Region I (January 25, 1990), concerning transmittal of the attached "Upper Estuary Capping Alternative," U.S. Army Corps of Engineers.
2. "Final Air Monitoring Report - Volume I - New Bedford Harbor Pilot Dredging and Disposal Study - New Bedford Harbor Feasibility Study - Task 26," EBASCO Services Inc. (July 1990).
3. "Final Air Monitoring Report - Volume II - New Bedford Harbor Pilot Dredging and Disposal Study - New Bedford Harbor Feasibility Study - Task 26," EBASCO Services Inc. (July 1990).
4. Draft Phase 2 Cost Estimates received from Foster Wheeler June 14, 1996.
5. Memorandum from Mark J. Otis, U.S. Army Corps of Engineers to David Dickerson, EPA Region I concerning enclosed Memorandum for the Record with attachments regarding the estimated quantity and quality of CDF leachate. (October 17, 1997)
6. New Bedford Supply Cables Relocation Estimates and Schedules prepared by ComElectric (March 18, 1998). [Meeting agenda for meeting held March 18, 1998 is filed and cited as 4.1.30].

4.5 Applicable or Relevant and Appropriate Requirements (ARARs)

1. "Draft Final Regulation Assessment (Task 63) for New Bedford Harbor," E.C. Jordan Co. for EBASCO Services Inc. (March 1990).
2. Memorandum from Gary Gonyea, Massachusetts Department of Environmental Protection, Division of Wetlands and Waterways to Helen Waldorf, Bureau of Waste Site Cleanup concerning Division of Wetlands and Waterways Applicable or Relevant and Appropriate Requirements (ARARs) for the New Bedford Harbor Superfund Site (July 8, 1992).
3. Memorandum from John Carrigan, DEP/BSWC - Boston to Paul Craffey, DEP/BWSC - Boston, concerning review of the documents supplied concerning proposed cleanup of the New Bedford Harbor Site (July 15, 1992).
4. Memorandum from Lawrence Gil, MA DEP to Helen Waldorf, BWSC outlining the Division of Water Pollution Control's Applicable or Relevant and Appropriate Requirements (August 8, 1992).
5. Letter from Helen Waldorf, Massachusetts Department of Environmental Protection to Gayle Garman, EPA Region I concerning Estuary/ Harbor/ Bay Operable Unit - State ARARs (January 4, 1993).
6. Letter from Helen Waldorf, Department of Environmental Protection to Mark Lowe, EPA Region I Office of Regional Counsel concerning ARARs for Estuary/Harbor/Bay Operable Unit for The New Bedford Harbor Superfund Site (January 6, 1993).

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

7. Letter from Jeffrey Benoit, Massachusetts Executive Office of Environmental Affairs to Helen Waldorf, Massachusetts Department of Environmental Protection concerning the review of the Proposed Remedial Action Plan and the May 1992 Addendum by Massachusetts Coastal Zone Management Office (February 6, 1993). Relevant Regulatory policies and a Summary of ARARs are included.
8. Memorandum from Edward Reiner, EPA to Gayle Garman, New Bedford Harbor Project Manager concerning wetlands values in New Bedford Harbor (April 27, 1993).
9. Letter from Mark A. Lowe, EPA Region I, Office of Regional Counsel to Richard Lehan, Massachusetts Department of Environmental Protection concerning applicability of 310 CMR 9.35 to Estuary/Harbor/Bay Operable Unit (May 18, 1993).
10. Letter from Richard Lehan, Massachusetts Department of Environmental Protection to Mark A. Lowe, EPA Region I, Office of Regional Counsel concerning department position of State waterways and hazardous waste ARARs (August 11, 1993).
11. Letter, with attachments, from Amanda Dickerson, Massachusetts Hazardous Waste Facility Site Safety Council to Paula Fitzsimmons, EPA Region I summarizing action taken with respect to the applicability of MGL chapter 21D to the proposed incinerator (June 30, 1994).
    A. Memorandum: Report of the Applicability Committee Regarding CERCLA /21E Remediation and Clean-up Activities (Including Proposed New Bedford PCB Incinerator), and Clean Harbors of Natick, Inc.'s License Renewal (May 9, 1994).
12. Letter from David Dickerson, EPA Region I to Brona Simon, Massachusetts Historical Commission requesting any information on any known or potential historic resources within the proposed dredging area or the proposed CDF areas (July 25, 1996).
13. Letter from Brona Simon, Massachusetts Historical Commission to David Dickerson, EPA Region I concerning identification of historic and archaeological properties that might be affected by proposed dredging and disposal actions at New Bedford Harbor (October 11, 1996).
14. Letter from Victor Mastone, Massachusetts Executive Office of Environmental Affairs to David Dickerson, EPA Region I to follow up on October 11, 1996 letter from Brona Simon (November 5, 1996). Massachusetts Board of Underwater Archaeological Resources Statute and Related State Laws are attached.
15. Letter from Helen Waldorf, Commonwealth of Massachusetts DEP to David Dickerson, EPA Region I concerning State ARARs, with attached tables of ARARs (August 27, 1997).

4.6 Feasibility Study (FS) Reports

1. "New Bedford Harbor Superfund Pilot Study - Evaluation of Dredging and Dredged Material Disposal," U.S. Army Corps of Engineers (May 1990).

4.6 Feasibility Study (FS) Reports (continued)

2. Memorandum from Robert W. Whalin, U.S. Army Corps of Engineers to Mary Adolf, U.S. Army Corps of Engineers (August 31, 1990), concerning transmittal of the attached "New Bedford Superfund Project Evaluation of Carbon and UV/Hydrogen Peroxide Treatment of Confined Disposal Facility ," Peroxidation Systems Inc. for the U.S. Army Corps of Engineers (July 1990).
3. "Draft Final - Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay - Volume I," E.C. Jordan Co. for EBASCO Services Inc. (August 1990).
4. "Draft Final - Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay - Volume II," E.C. Jordan Co. for EBASCO Services Inc. (August 1990).
5. "Draft Final - Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay - Volume III," E.C. Jordan Co. for EBASCO Services Inc. (August 1990).
6. " Final Report - Modeling of the Transport, Distribution, and Fate of PCBs and Heavy Metals in the Acushnet River/New Bedford Harbor/Buzzards Bay System - Volume I," Battelle for EBASCO Services Inc. (September 21, 1990).
7. " Final Report - Modeling of the Transport, Distribution, and Fate of PCBs and Heavy Metals in the Acushnet River/New Bedford Harbor/Buzzards Bay System - Volume II," Battelle for EBASCO Services Inc. (September 21, 1990).
8. " Final Report - Modeling of the Transport, Distribution, and Fate of PCBs and Heavy Metals in the Acushnet River/New Bedford Harbor/Buzzards Bay System - Volume III," Battelle for EBASCO Services Inc. (September 21, 1990).
9. " Final Report - Modeling of the Transport, Distribution, and Fate of PCBs and Heavy Metals in the Acushnet River/New Bedford Harbor/Buzzards Bay System - Appendices A-D," Battelle for EBASCO Services Inc. (September 21, 1990).
10. " Final Report - Modeling of the Transport, Distribution, and Fate of PCBs and Heavy Metals in the Acushnet River/New Bedford Harbor/Buzzards Bay System - Appendices E-F," Battelle for EBASCO Services Inc. (September 21, 1990).
11. " Final Report - Modeling of the Transport, Distribution, and Fate of PCBs and Heavy Metals in the Acushnet River/New Bedford Harbor/Buzzards Bay System - Appendices G-M," Battelle for EBASCO Services Inc. (September 21, 1990).
12. "Overview of the New Bedford Harbor Physical/Chemical Modeling Program," Battelle for EBASCO Services Inc. (April 1, 1991).
13. "Draft Final Supplemental Feasibility Study Evaluation for Upper Buzzards Bay - New Bedford Harbor RI/FS," EBASCO Services Inc. (May 1992).

Comments

14. Comments dated September 12, 1990 from Leonard C. Sarapas, Balsam Environmental Consultants, Inc. for AVX Corp. on the August 1990 "Draft Final - Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay," E.C. Jordan Co. For EBASCO Services Inc.

4.6 Feasibility Study (FS) Reports (continued)

15. Comments dated October 30, 1990 from Kenneth Finkelstein,. U.S. Department of Commerce National Oceanic and Atmospheric Administration on the August 1990 "Draft Final - Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay," E.C. Jordan Co. For EBASCO Services Inc..
16. Comments dated November 1, 1990 from Helen Waldorf, Commonwealth of Massachusetts Department of Environmental Protection on the August 1990 "Draft Final - Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay," E.C. Jordan Co. for EBASCO Services Inc. with attached:
    A. Memorandum from John A. Carrigan, Commonwealth of Massachusetts Department of Environmental Protection to Helen Waldorf, Commonwealth of Massachusetts Department of Environmental Protection (October 23, 1990). , concerning Applicable or Relevant and Appropriate Requirements (ARARs): 21C Hazardous Waste Regulations.
    B. Comments dated October 24, 1990 from Christy Foote-Smith, Commonwealth of Massachusetts Department of Environmental Protection on the August "Draft Final - Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay," E.C. Jordan Co. for EBASCO Services Inc..

Responses to Comments

17. Response October 5, 1990 from Mary C. Sanderson, EPA Region I to Comments Dated September 12, 1990 from Leonard C. Sarapas, Balsam Environmental Consultants, Inc. For AVX Corp..

4.9 Proposed Plans for Selected Remedial Actions

1. "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I (January 1992).
2. "Summary of EPA's Preferred Alternative for Addressing Contamination at the New Bedford Harbor Superfund Site - Estuary and Lower Harbor/Bay Operable Unit," with attached "Resumo da Alternativa Preferida de EPA Relativa a Contaminacao do Porto de New Bedford no Sitio do Superfund - Estuario e Parte Baixa Operativa do Porto/Baia," EPA Region I (January 1992).
3. "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region I (May 1992).
4. Letter from Jeffrey Benoit Massachusetts Executive Office of Environmental Affairs to Gayle Garman, EPA Region I commenting on the Proposed Remedial Action Plan dated January 1992 and the Addendum dated May 1992 (July 13, 1992).
5. Memorandum from Richard Cavagnero, EPA Region I Office of Site Remediation and Restoration to Remedy Review Board concerning attached information package (July 10, 1996).

4.9 Proposed Plans for Selected Remedial Actions (continued)

6. Memorandum from David Dickerson, EPA Region I Office of Site Remediation and Restoration to National Remedy Review Board (July 25, 1996), concerning additional material for review.
7. Memorandum from Bruce Means, National Remedy Review Board to Linda M. Murphy, EPA Region I Office of Site Remediation and Restoration (September 11, 1996), concerning National Remedy Review Board recommendations on the New Bedford Harbor Superfund Site.
8. Letter from David Dickerson, EPA Region I to Lewis Horzempa and Alan Fowler, Foster Wheeler Environmental Corp. (September 11, 1996), concerning New Bedford Harbor ROD 2 Proposed Plan Cost Estimates: New assumptions for calculating air monitoring costs.
9. Memorandum from David Dickerson, EPA Region I and Cindy Catri, EPA Region I ORC to David Pincumbe, Ann Williams, Jane Downing, Larry Brill, Frank Ciavattieri and Paul Craffey, EPA Region I (October 11, 1996), concerning the proposed TMDL for copper, and other issues related to the Proposed ROD 2 water treatment plants for the New Bedford Harbor Superfund Site.
10. Memorandum from David Dickerson, EPA Region I to File (October 23, 1996), concerning ROD 2 PCB limits for The New Bedford Harbor Superfund Site.
11. U.S. EPA Superfund Program, Proposed Cleanup Plan, Upper and Lower New Bedford Harbor, (November 1996).
12. Programa "Superfund" do EPA dos E.U. "Proposto Plano de Limpeza Areas Superior e Inferior do Porto de New Bedford", Novembro de 1996.
13. Letter from Alan S. Fowler, Foster Wheeler Environmental Corp. to David Dickerson, EPA Region I (November 1, 1996), concerning the attached tables including revised feasibility study cost estimates for eleven remedial alternatives.
14. Letter from David Dickerson, EPA Region I to New Bedford Harbor Abutters, requesting comments on the Proposed Cleanup Plan and including 2 maps showing locations of the four CDFs (Confined disposal facilities) (December 4, 1996). List of abutters to whom letter was sent is also attached.
15. Letter from David Dickerson, EPA Region I to New Bedford Harbor Abutters, requesting comments on the Proposed Cleanup Plan and including 2 maps showing locations of the four CDFs (Confined disposal facilities) (December 12, 1996). List of abutters to whom letter was sent is also attached.
16. Memorandum from Larry Brill, EPA Region I to Ron Manfredonia, Jane Downing, Dave Pincumbe , Dave Dickerson , EPA Region I summarizing the meeting held to discuss the Superfund cleanup of New Bedford Harbor and the discharge of supernatant from the Confined Disposal Facilities (CDFs) (January 3, 1997).
17. Letter from Linda M. Murphy, EPA Region I to Bruce Means, National Remedy Review Board, OSWER concerning the board's recommendations for the New Bedford Harbor Superfund Site (May 22, 1997).

4.10 Interagency Agreements (IAGs)

1. Scope of Work for U.S. Army Corps of Engineers for cost estimate to replace ComElectric's submerged power cables (November 19, 1997).

5.0 Record of Decision (ROD)

5.3 Responsiveness Summary

1. Comments dated January 24, 1992 from the LUPUS Foundation of America, Inc.,on the January 1992 "EPA Proposed Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I.
2. Comments dated February 5, 1992 from George Walmsey, Edward J. Mee, and Frank Barcellos Jr., Town of Fairhaven Board of Health on the January 1992 "EPA Proposed Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site,'' EPA Region I.
3. Cross Reference: Transcript, Proposed Plan Public Hearing for the New Bedford Harbor Superfund Site (March 5, 1992) [Filed and cited as entry number 2 in 13.4 Public Meetings].
4. Comments dated March 29, 1992 from Jeffrey Benoit, The Commonwealth of Massachusetts Office Coastal Zone Management (MCZM) on the January 1992 "EPA Proposed Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I.
5. Comments dated April 30, 1992 from John M. Chaplick, New England Sierra Club on the January 1992 "EPA Proposed Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I.
6. Comments dated May 15, 1992 from Gerry E. Studds, U.S. House of Representatives on the January 1992 "EPA Proposed Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I.
7. Comments dated May 22, 1992 from Helen Waldorf, Commonwealth of Massachusetts Department of Environmental Affairs on the January 1992 "EPA Proposed Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the August 1990 "Draft Final - Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay - Volumes I-III", E.C. Jordan Co. for EBASCO Services Inc..
8. Comments dated June 3, 1992 and revised comments dated June 9, 1992 from John W. Farmington, Woods Hole Oceanographic Institution on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region I.

5.3 Responsiveness Summary (continued)

9. Comments dated June 9, 1992 from David Dow, Sierra Club on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region I.
10. Cross Reference: Transcript, Proposed Expanded Cleanup Plan for Upper Buzzards Bay, New Bedford Harbor Superfund Site (June 10, 1992) [Filed and cited as entry number 3 in 13.4 Public Meetings].
11. Comments dated June 14, 1992 from Martin S. Manley, City of New Bedford Harbor Development Commission on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region I.
12. Comments dated July 8, 1992 from Jacqueline Duckworth, Greater New Bedford Citizens Work Group on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I.
13. Comments dated July 9, 1992 from Rosemary S. Tierney, Mayor of the City of New Bedford on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region 1.
14. Comments dated July 10, 1992 from Susan Tierney, William Patterson, and Richard B. Roe, New Bedford Harbor Trustee Council on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region 1.
15. Comments dated July 10, 1992 from Helen Waldorf, Commonwealth of Massachusetts Department of Environmental Affairs on the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region 1.
16. Comments dated July 10, 1992 from Joseph E. Costa, The Buzzards Bay Project on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region I.

5.3 Responsiveness Summary (continued)

17. Comments dated July 13, 1992 from John Lindsey and L. Jay Field, U.S. Department of Commerce National Oceanic and Atmospheric Administration on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site." EPA Region I.
18. Comments dated July 13, 1992 from Mary K. Ryan, Nutter, McClennen & Fish, for AVX Corp. on the August 1990 "Draft Final - Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay - Volumes I-III," E.C. Jordan Co., for EBASCO Services Inc.; the May 1992 "Draft Final - Supplemental Feasibility Study Evaluation for Upper Buzzards Bay - New Bedford Harbor RI/FS," EBASCO Services Inc.; the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region I with Attached:
    A. "PCB Cleanup Guidelines for the Estuary and Lower Harbor/ Bay Sediments: Evaluation of a 50 ppm Cleanup Level " Terra, Inc. (July 10, 1992).
    B. "A Theoretical Evaluation of the Effects of Dredging on PCB Emissions from New Bedford," K. T. Valsaraj and D.D. Reible, Department of Engineering and Hazardous Waste Research Center, Louisiana State University for Balsam Environmental Consultants, Inc. (September 1991).
    C. Memorandum to Weldon Bosworth, Balsam Environmental Consultants, Inc. from K.T. Valsaraj and D.D. Reible, Department of Engineering and Hazardous Waste Research Center, Louisiana State University (July 10, 1992), concerning evaporation of PCBs from the proposed CDFs at New Bedford Harbor.
    D. "Review of EPA (1992): Addendum Proposed Plan. EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," SEA.
    E. Requests for Admissions (RFAs)

Documents submitted as attachments to Attachment E, Requests for Admissions (RFAs) may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

    F. Miscellaneous Attachments
        1. Comments dated March 2, 1992 from Gordon D. Strickland, John McKenzie, and Douglas Bannerman, PCB Consensus Group on the Proposed Rule to Promulgate Numeric Sediment Cleanup Criteria for Priority Toxic Pollutants in Sediment.
        2. FOIA Correspondence
        3. N.J.A.C. 7:15-18A

5.3 Responsiveness Summary (continued)

18.f. 4. "New Bedford Harbor Wastewater Treatment Plant Outfall Outer Harbor Sediment Sampling Program 1990 Sampling Protocol" Balsam Environmental Consultants, Inc. for Nutter, McClennen & Fish (March 9, 1990), concerning TPO Data with attached Chromatograms submitted under separate cover from laboratory.

5. Expert Affidavits on the Effect of Hurricane Carol on Transport and Circulation.

6. Region I Superfund NPL and Removal Site File Structure.

7. Excerpt from Court Transcript of February 7. 1990.

8. "Public Health and Environmental Risk Assessment for the New Bedford Harbor Superfund Site." E.C. Jordan Co.

G. Resumes.

19. Comments dated July 13, 1992 from Jeffrey Benoit, The Commonwealth of Massachusetts Office Coastal Zone Management (MCZM) on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site." EPA Region I and the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup) to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region I.

20. Comments dated July 13, 1992 from Suzanne K. Condon and William C. Strohsnitter, Commonwealth of Massachusetts Department of Public Health on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/ Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site." EPA Region I..

21. Comments from Angela Days, Member of Public on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I.

22. Comments from Robert B. Pond, Stripers Unlimited on the January 1992 "EPA Proposes Cleanup Plan to Address Contamination in the Estuary and Lower Harbor/Bay at the New Bedford Harbor Site," EPA Region I and the May 1992 "Addendum Proposed Plan - EPA Proposes Expanded Cleanup to Address Contamination in Parts of Upper Buzzards Bay, New Bedford Harbor Superfund Site," EPA Region I.

23. Letter from Susan Marges to David Dickerson, EPA Waste Management Division concerning her concerns about removal and storage of PCBs from the Acushnet River and New Bedford Harbor (May 8, 1995).

24. Letter from Robert M. Koczera, Massachusetts House of Representatives to David Dickerson, EPA Region I concerning opposition to long-term storage of PCB contaminated sediments (May 26, 1995).

25 Public Meeting Transcript of Information Session on the Proposed Cleanup Plan for the Upper and Lower New Bedford Harbor, New Bedford, Massachusetts, (November 20, 1996).

5.3 Responsiveness Summary (continued)

26. Comments on the 1996 Proposed Plan dated November 22, 1996 from Joe Medeiros, New Bedford resident.
27. Comments on the 1996 Proposed Plan dated December 5, 1996 from Kenneth Finkelstein, NOAA.
28. Letter from Craig H. Campbell, Mintz, Levin, Cohn, Glovsky and Popeo to David Dickerson, EPA Region I commenting on behalf of Marine Hydraulics, Inc. on EPA's 1996 Proposed Remedy (December 5, 1996).
29. Comments on the 1996 Proposed Plan dated December 10, 1996 from Mark W. Machado, resident.
30. Comments on the 1996 Proposed Plan dated January 3, 1997 from Rosemary S. Tierney, Mayor, City of New Bedford.
31. Comments on the 1996 Proposed Plan dated January 6, 1997 from Antone Moniz, resident.
32. Letter from Philip G. Coates, MA Division of Marine Fisheries to Trudy Coxe, MA Executive Office of Environmental Affairs commenting on the 1996 Proposed Cleanup Plan (January 7, 1997).
33. Comments on the 1996 Proposed Plan from Robert M. Koczera, Commonwealth of Massachusetts House of Representatives dated January 7, 1997.
34. Comments on the 1996 Proposed Plan dated January 11, 1997 from George Rogers, New Bedford City Council.
35. Comments on the 1996 Proposed Plan from Robert B. Pond, Stripers Unlimited dated January 14, 1997.
36. Letter from Stephen Healey, Acushnet Historical Society to David Dickerson, EPA Region I commenting on the planned second phase of dredging within the Acushnet River as a threat to an archaeological site, with attachments (January 14, 1997).
    A. Letter to Representative Barney Frank from the Wampanoag Tribe of Gay Head concerning the archaeological site (February 17, 1995).
    B. Letter from Stephen Healey, Acushnet Historical Society to Brona Simon, State Archaeologist, Massachusetts Historical Commission concerning the proposed river dredging as a threat to the Lawson Site.(Undated).
    C. Memorandum from Irwin Marks, Acushnet Historical Commission to Roland Pepin, Steve Healey, Kathy Pepin concerning information about the Lawson Archaeological Site (February 27, 1997).
    D. Archaeological Survey Form (September 6, 1994)
    E. Attendance sheet for NBH Indian Artifact Notification meeting, (February 24, 1995).
37. Comments on the 1996 Proposed Plan dated January 15, 1997 from Robert B. Schaffer, Coyne Textile Services.
38. Comments on the 1996 Proposed Plan dated January 20,1997 from Felix Petrarca, Petnel Properties.
39. Comments from Irwin Bishins, Bedford Limited Partnership on the 1996 Proposed Plan.

5.3 Responsiveness Summary (continued)

40. Comments on the 1996 Proposed Plan dated January 21, 1997 from Pamela S. Truesdale, the Coalition for Buzzards Bay.
41. Comments on the 1996 Proposed Plan dated January 27, 1997 from Paul Koczera, New Bedford City Council.
42. Comments on the 1996 Proposed Plan dated January 30, 1997 from Dennis M. Perry, ComElectric.
43. Comments on the 1996 Proposed Plan dated February 1, 1997 from Emily Johns, New Bedford resident.
44. Comments of AVX Corp. on the 1996 Proposed Cleanup Plan for the Upper and Lower New Bedford Harbor released to the public for comment on October 30, 1996 (February 3, 1997), with cover letter from Mary K. Ryan, Nutter, McClennen & Fish.
45. Comments on the 1996 Proposed Plan dated February 3, 1997 from Jack Terrill, New Bedford Harbor Trust Council on "EPA's Proposed Cleanup Plan for Upper and Lower New Bedford Harbor."
46. Letter from Trudy Coxe, MA Executive Office of Environmental Affairs to David Dickerson, EPA Region I commenting on the 1996 Proposed Cleanup Plan for the New Bedford Harbor Superfund Site (February 3, 1997).
47. Letter from Angus McBeth, Sidley & Austin to David Dickerson, EPA Region I commenting on behalf of General Electric Company on the Proposed Phase II Cleanup Plan for Upper and Lower New Bedford Harbor dated November 1996 (February 3, 1997).
48. Undated comments on the 1996 Proposed Plan from James B. Simmons, Hands Across the River Coalition.
49. Undated comments on the 1996 Proposed Plan on the Proposed Plan from Arthur Glowka, Stamford, CT.
50. Undated comments on the 1996 Proposed Plan from Michael Berkal, Buzzards Bay Project.

5.0 Record of Decision

5.4 Record of Decision

1. Record of Decision for The New Bedford Harbor Superfund Site, Upper and Lower Harbor Operable Unit, September 25, 1998.

7.0 Remedial Action

7.1 Correspondence

1. Memorandum from Michael Grasso, CIH to Peter Bumpus, AGM concerning dredge air monitoring, results table attached (June 1, 1994).

7.1 Correspondence (continued)

2. Memorandum from Mark Otis, U.S. Army Corps of Engineer to David Dickerson, EPA Region I concerning Hot Spot after dredge sediment sampling (April 19, 1995).

7.2 Sampling and Analysis

1. Perland Memorandum from Michael Grasso to Mark Pelson concerning CDF (confined disposal facilities) (August 16, 1994), with attached analytical report from Inchcape Testing Systems dated August 11, 1994.
2. "New Bedford Harbor Remediation", U.S. Army Corps of Engineers Environmental Laboratory, (October 6, 1994) concerning TCLP analysis of the Hot Spot sediments.
3. "Hot Spot 'Flux' Monitoring", FAX Copies of Data From EPA ERL, December 20, 1994 through September 21, 1995.
4. Letter from Bette L. Nowack, Roy F. Weston, Inc. to Maurice Beaudoin, U.S. Army Corps of Engineers concerning attached summary tables of groundwater sampling results (January 22, 1996).
5. Letter from James S. Chow, Roy F. Weston, Inc. to Maurice Beaudoin, U.S. Army Corps of Engineers concerning attached quarterly groundwater sampling results - first quarter 1996 (April 29, 1996).
6. Letter from James S. Chow, Roy F. Weston, Inc. to Maurice Beaudoin, U.S. Army Corps of Engineers concerning attached quarterly groundwater sampling results - second quarter 1996 (July 25, 1996).
7. Tables - "New Bedford Harbor Superfund Site Ambient Air Monitoring PCB Concentrations (Arochlors)" (September 18, 1996).
8. Letter from James S. Chow, Roy F. Weston, Inc. to Maurice Beaudoin, U.S. Army Corps of Engineers concerning attached quarterly groundwater sampling results - third quarter 1996 (October 21, 1996).
9. Letter from James S. Chow, Roy F. Weston, Inc. to Maurice Beaudoin, U.S. Army Corps of Engineers concerning attached quarterly groundwater sampling results - fourth quarter 1996 (February 5, 1997).
10. Letter from David C. Crispo, Roy F. Weston, Inc. to Maurice Beaudoin, U.S. Army Corps of Engineers concerning attached quarterly groundwater sampling results - first quarter 1997 (June 2, 1997).
11. Letter from David C. Crispo, Roy F. Weston, Inc. to Maurice Beaudoin, U.S. Army Corps of Engineers concerning attached quarterly groundwater sampling results - second quarter 1997 (September 10, 1997).
12. Letter from David C. Crispo, Roy F. Weston, Inc. to Maurice Beaudoin, U.S. Army Corps of Engineers concerning attached quarterly groundwater sampling results - third quarter 1997 (December 11, 1997).
13. Letter from David C. Crispo, Roy F. Weston, Inc. to Maurice Beaudoin, U.S. Army Corps of Engineers concerning attached quarterly groundwater sampling results - fourth quarter 1997 (February 6, 1998).

7.5 Remedial Action Reports

1. Report on the Effects of the Hot Spot Dredging Operations, New Bedford Harbor Superfund Site, New Bedford, Massachusetts, EPA Region I, (October 1997).

8.0 Site Closeout

8.4 Long Term Response Monitoring

1. "New Bedford Harbor Long Term Monitoring Assessment Report: Baseline Sampling", U.S. Environmental Protection Agency, (October 1996).
2. Memorandum from David Dickerson, EPA Region I to File concerning Round 2 of Long-Term Ecological Monitoring (January 28, 1998).
3. "Remediation at a Marine Superfund Site: Surficial Sediment PCB Concentrations, Composition and Redistribution", USEPA Atlantic Ecology Division, Narragansett, RI, et al. Copy of a poster presented at the Fall 1997 SETAC (Society of Environmental Toxicologists and Chemists) meeting.

9.0 State Coordination

9.1 Correspondence

1. Letter from Jeffrey Benoit, Massachusetts Executive Office of Environmental Affairs to Gayle Garman, EPA Region I concerning supplemental proposed remedial action plan (March 29, 1992).
2. Letter from Mark A. Lowe, EPA Office of Regional Counsel to Helen Waldorf, Massachusetts Department of Environmental Protection (May 13, 1992), concerning institutional controls at the site.
3. Letter from Harish Panchal, Massachusetts Department of Environmental Protection to Suzanne Condon, Department of Public Health concerning institutional controls of fish market monitoring (June 15, 1994).
4. Letter from Thomas Powers, Massachusetts Department of Environmental Protection to Jim Cabot, EPA Region I concerning enclosed application and proposal for consideration in 1995 Environmental Technology Initiative funding package (September 7, 1994).
5. Letter from Cynthia Catri, EPA Office of Regional Counsel to George Wyeth, EPA Headquarters (July 25, 1996), concerning the proposed enhancement to the remedy at New Bedford Harbor, with response dated July 28, 1996.
6. FAX from Jack Schwartz, Department of Marine Fisheries Cat Cove Laboratory to David Dickerson, EPA Region I with PCB Summary sheet and graph title "Mean Annual PCB Levels in American Lobster - Outer New Bedford Harbor - Area 3" attached (September 12, 1996).

9.1 Correspondence (continued)

7. Letter from David B. Struhs, Commissioner, Massachusetts Department of Environmental Protection to John DeVillars, Regional Administrator, EPA New England and Linda M. Murphy, Director Office of Site Remediation and Restoration (October 10, 1996), concerning DEP request that navigational dredging be included as an enhancement of the remedy in the upcoming second ROD for the New Bedford Harbor Superfund Site.
8. Letter from Harley Laing, EPA Office of Site Remediation and Restoration to Arthur Pugsley, MA Executive Office of Environmental Affairs concerning ComElectric's proposed 115kV transmission line (July 8, 1997).

9.8 State Contractor Documents

1. Excerpts from "Dredged Material Management Plan Phase I, Volume I ," Maguire Group, Inc.(September 1997).

10.0 Enforcement

10.3 State and Local Enforcement Records

1. Letter from Mark J. Begley, Commonwealth of Massachusetts Department of Environmental Protection to Lawrence D. Worden, City of New Bedford Department of Public Works (December 13, 1990), concerning suggested additions to draft sampling plan for overflow locations.
2. Letter from Lawrence D. Worden, City of New Bedford Department of Public Works to Mark J. Begley, Commonwealth of Massachusetts Department of Environmental Protection (December 24, 1990), concerning receipt of and response to December 13, 1990 letter.

10.8 Consent Decrees

1. Consent Decree, United States v. AVX Corp., et al; Commonwealth of Massachusetts v. AVX Corp., et al., United States District Court for the District of Massachusetts, Civil Action No. 83-3882-Y (December 27, 1990). Consent Decree with Aerovox Inc. and Belleville Industries, Inc.
2. Consent Decree, United States v. AVX Corp., et al; Commonwealth of Massachusetts v. AVX Corp., et al., United States District Court for the District of Massachusetts, Civil Action No. 83-3882-Y (February 3, 1992). Consent Decree with AVX Corp..
3. Consent Decree, United States v. AVX Corp. et al; Commonwealth of Massachusetts v. AVX Corp., et al., United States District Court for the District of Massachusetts, Civil Action No. 83-3882-Y. (November 24, 1992). Consent Decree with Federal Pacific Electric Company and Cornell Dubilier Electronics, Inc.

11.0 Potentially Responsible Party (PRP)

11.5 Site Level - General Correspondence

1. Memorandum from Mary C. Sanderson, EPA Region I to Addressees including Richard J. Hughto, Rizzo Associates, Inc. for the Joint Defense Group (March 19, 1990) concerning transmittal of the March 1990 "Draft Final Regulation Assessment (Task 63) for New Bedford Harbor, " E.C. Jordan Co. For EBASCO Services Inc..
2. Memorandum from Mary C. Sanderson, EPA Region I to Addressees including Richard J. Hughto, Rizzo Associates, Inc. for the Joint Defense Group (April 17, 1990) concerning transmittal of the April 1990 "Draft Final Baseline Ecological Risk Assessment - New Bedford Harbor Site Feasibility Study, " E.C.Jordan Co. for EBASCO Services Inc..
3. Letter from Mark J. Otis, U.S. Army Corps of Engineers to Mary C. Sanderson, EPA Region I (May 29, 1990) with attached Mailing List including Richard J. Hughto, Rizzo Associates, Inc. for the Joint Defense Group, concerning the transmittal of the May 1990 "New Bedford Harbor Superfund Pilot Study Evaluation of Dredging and Dredged Materials Disposal," U.S. Army Corps of Engineers.
4. Memorandum from Mary C. Sanderson, EPA Region I to Addressees including Richard J. Hughto, Rizzo Associates, Inc. for the Joint Defense Group (June 8, 1990), concerning transmittal of the June 1990 "Draft Air Monitoring Report - New Bedford Harbor Pilot Dredging and Disposal Study - Task 26," EBASCO Services Inc..
5. Memorandum from Mary C. Sanderson, EPA Region I to Addressees including Richard J. Hughto, Rizzo Associates, Inc. for the Joint Defense Group (August 2, 1990), concerning transmittal of the July 1990 "Final Air Monitoring Report - New Bedford Harbor Pilot Dredging and Disposal Study - Task 26," EBASCO Services Inc..
6. Memorandum from Mary C. Sanderson, EPA Region I to Addressees including Richard J. Hughto, Rizzo Associates, Inc. for the Joint Defense Group (August 21, 1990), concerning transmittal of the August 1990 "Draft Final Feasibility Study of Remedial Alternatives for the Estuary and Lower Harbor/Bay," E.C. Jordan for EBASCO Services Inc.

11.9 PRP-Specific Correspondence

1. Letter from Mary K. Ryan, Nutter, McClennen & Fish for AVX Corp. to Gayle Garman, EPA Region I (May 22, 1992), concerning a request for a 90 day extension of the public comment period for the proposed plan and addendum.
2. Letter from Mary K. Ryan, Nutter, McClennen & Fish for AVX Corp. to Gayle Garman, EPA Region I (July 2, 1992), concerning contents of the Administrative Record.
3. Letter from Mark Lowe, EPA Region I to Mary K. Ryan, Nutter, McClennen & Fish (July 9, 1992), concerning contents of the Administrative Record.
4. Letter from Benedict Rosen, AVX to Paul Keough, EPA Region I regarding the New Bedford Harbor remediation (December 8, 1993).

11.9 PRP-Specific Correspondence (correspondence)

5. Letter from Harley Laing, EPA Region I to Benedict Rosen, AVX Corp. responding to letter dated December 8, 1993 to Paul Keough (December 23, 1993).
6. Letter from Mary K. Ryan, Nutter, McClennen & Fish to David Dickerson, EPA Waste Management Division (November 19, 1996), concerning EPA proposed cleanup plan for Upper and Lower New Bedford Harbor.
7. Letter from Benedict P. Rosen, President, AVX Corp. to John P. DeVillars, Regional Administrator, EPA Region I (November 26, 1996), concerning changes to Target Cleanup levels in the latest EPA proposal for remediation of the New Bedford Harbor.
8. Letter from Cynthia E. Catri, EPA Office of Regional Counsel to Mary K. Ryan, Nutter, McClennen & Fish (November 27, 1996), concerning New Bedford Harbor Superfund Site Proposed Plan -- Upper and Lower Harbor.
9. Letter from Gary L. Gill-Austern, Nutter, McClennen & Fish to David Dickerson, EPA Region I concerning an extension of the public comment period for the Proposed Plan (January 3, 1997), with correction letter (January 6, 1997).
10. Letter from Cindy Catri, EPA Region I to Gary L. Gill-Austern, Nutter, McClennen & Fish granting a 15 day extension to the comment period (January 8, 1997).
11. Letter from Benedict P. Rosen, AVX Corp. to John P. DeVillars, EPA Region I (February 14, 1997) requesting that he review the comments on the Proposed Cleanup Plan sent to Dave Dickerson on February 3, 1997.
11. Letter from John P. DeVillars, EPA Region I to Benedict P. Rosen, AVX Corp. (February 21, 1997) responding to concerns in Mr. Rosen's comment letter.
12. Letter from John P. DeVillars, EPA Region I to Benedict P. Rosen, AVX Corp. (March 25, 1997) with attached response to comments on the Proposed Plan.

13.0 Community Relations

13.1 Correspondence

1. Letter from Lydia L. Van Hine, Greater New Bedford Environmental Community Work Group to Mary C. Sanderson, EPA Region I (September 18, 1991), concerning request for a minimum 60 day period to comment on the upcoming Proposed Plan.
2. Letter from Rosemary S. Tierney, Mayor of New Bedford to Gayle Garman, EPA Region I responding to October 27, 1992 letter attached concerning EPA's Preferred Alternative for the City of New Bedford's Estuary/Lower Harbor (December 24, 1992).
3. Letter from Rosemary S. Tierney, Mayor, City of New Bedford to Julie Belaga, EPA Region I clarifying the City's comments on EPA's proposed plan (March 4, 1993).
4. Letter from Martin S. Manley, New Bedford Harbor Development Commission to Gayle Garman, EPA Region I concerning the Commission's vote to deny EPA's proposal for construction of confined disposal facilities (May 19, 1993).
5. Letter from Gayle Garman, EPA Region I to Martin S. Manley, City of New Bedford Harbor Development Commission concerning possible construction of confined disposal facilities in North Terminal area (July 22, 1993).

13.1 Correspondence (continued)

6. Memorandum from Jane H. Wells, Commonwealth of Massachusetts Office of Dispute Resolution to New Bedford Harbor Forum Project Participants (November 5, 1993) confirming a meeting on November 10, 1993 and listing the agenda.
7. Memorandum from Harley Laing, EPA Office of Regional Counsel to William A. White, Enforcement Counsel for Superfund (November 24, 1993), concerning nomination of New Bedford Harbor Superfund Site Hot Spot Operable Unit for Non-Binding Alternative Dispute Resolution.
8. Memorandum from Diana Cobbold to Michael Keating concerning proposal of a plan that would delay dredging (January 9, 1994).
9. Memorandum from Hands Across the River Coalition, Concerned Parents of Fairhaven, Downwind Coalition and Other Concerned Parties to New Bedford Superfund Forum concerning remediation methods offered as alternatives to incineration (January 26, 1994).
10. Letter from Kenneth Finkelstein, National Oceanic and Atmospheric Administration to Jane Wells, Massachusetts Office of Dispute Resolution concerning issues discussed at the February 9, 1994 public meeting which would delay dredging (February 15, 1994).
11. Letter from Harley F. Laing, EPA Region I Office of Regional Counsel to David Hammond, Hands Across the River and Charles Lord and William Shutkin, Boston College Law School concerning future decisions on the New Bedford Harbor cleanup (June 14, 1994).
12. Letter from George Rogers, City of New Bedford, Councilor at Large to John DeVillars, EPA Region I concerning PCB air monitoring readings at the dredge site (June 22, 1994).
13. Letter with attachments, from John P. DeVillars , EPA Region I to George Rogers, City of New Bedford, Councillor at Large concerning the circumstances of a PCB measurement recorded on June 16, 1994 (July 14, 1994).
    A. Memorandum from Gayle Garman, EPA Region I to Frank Ciavattieri, EPA Region I concerning PCB measurement of 1800 mg/m on June 16 (July 7, 1994).
    B. EPA/U.S. Army Corps of Engineers Progress Report for June 23, 1994.
    C. EPA/U.S. Army Corps of Engineers Progress Report for June 30, 1994.
14. Letter from J. Michael Keating, Jr, Tillinghast Collins and Graham to Members of the Core Committee concerning rescheduling of a meeting to August 24, 1994 to allow the citizens' group time to address aspects of the TAG grant (August 12, 1994).
15. Letter from John T. McNeil, EPA Office of Regional Counsel to J. Michael Keating, Jr. Tillinghast, Collins & Graham (September 29, 1994), concerning attached signatures to Forum Agreement.
16. New Bedford Harbor Superfund Site Community Forum Agreement concerning issues related to removal and treatment of Hot Spot sediments signed by Forum Members (November 1994).
17. Memorandum from Alternatives for Community and Environment, Inc. (ACE) and Hands Across the River Coalition (HARC) to New Bedford Forum Members (January 24, 1995), discussing concerns about CDF-1.

13.1 Correspondence (continued)

18. Letter from J. Michael Keating, Commonwealth of Massachusetts Office of Dispute Resolution, with attached press release "New Bedford Community Forum Invites New Members to Join" (April 13, 1995).
19. Letter from Peter W. Koczera, Everett L Hardy, Jr. and Robert J. St. Jean, Town of Acushnet to John DeVillars, EPA Region I concerning the fact that the Board of Selectmen voted unanimously to send a letter opposing placement of Confined Disposal Facilities on the banks of the Acushnet River (August 8, 1995).
20. Letter from Alan H. Cass, Fisherman's Legal Action Committee (FLAC) to John DeVillars, Regional Administrator, US EPA (September 14, 1995), concerning proposed containment of sediments dredged from New Bedford Harbor.
21. Letter from Joseph B. McIntyre, Massachusetts House of Representatives to John DeVillars, EPA Region I concerning opposition to the use of confined disposal facilities located along the Acushnet River (September 15, 1995).
22. Letter from Antonio Cabral, Massachusetts House of Representatives to John DeVillars, EPA Region I expressing concerns about long term disposal of PCB-contaminated sediments (September 15, 1995).
23. Letter from Rosemary S. Tierney, Mayor, City of New Bedford to Joseph B. McIntyre, State Representative concerning plans for the cleanup of New Bedford Harbor (September 20, 1995).
24. Letter from Antonio Cabral, Massachusetts House of Representative to Rosemary S. Tierney, Mayor, City of New Bedford stating that he expressed concern but not opposition to the confined disposal facilities as reported to John DeVillars, EPA Region I Administrator (September 27, 1995).
25. Letter from John P. DeVillars, Regional Administrator, EPA Region I to Robert M. Koczera, Massachusetts House of Representatives (September 28, 1995) in response to attached September 12, 1995 letter to Carol Browner, Administrator, US EPA Headquarters concerning opposition to long term storage of untreated PCB-contaminated sediments.
26. Letter from John P. DeVillars, EPA Region I to Rosemary S. Tierney, Mayor, City of New Bedford concerning her support of EPA's efforts to work with local officials and with the public on the New Bedford Harbor plan (October 2, 1995).
27. FAX from Diana Cobbold, Sea Change, Inc. to David Dickerson, EPA Region I containing a list of Sea Change Program 1 Scientists and their addresses (October 23, 1995).
28. Letter from David Dickerson, EPA Region I to Dr. Philip Brown, Brown University Department of Sociology containing a list of documents being distributed to all six of the Sea Change, Inc. review panelists (October 24, 1995).
29. Letter from Denis J. Hanks, North End Business Association to Jim Simmons, Hands Across the River concerning EPA's planned confined disposal facilities along the Acushnet River in New Bedford's north end (November 24, 1995).

13.1 Correspondence (continued)

30. Letter from John P. DeVillars, Regional Administrator, EPA Region I to James B. Simmons, Hands Across the River Coalition (March 1, 1996) in response to attached letters to President Clinton and EPA Administrator Carol Browner concerning applicability of treatment process for Hot Spot sediments.
31. Letter from James C. Colman, Massachusetts Department of Environmental Protection to Monique M. Frechette (March 25, 1996) in response to a letter concerning the New Bedford Harbor Superfund Site.
32. Letter from John P. DeVillars, Regional Administrator, EPA Region I to Monique M. Frechette (April 25, 1996) in response to a February 8, 1996 (attached) letter to Senator Edward M. Kennedy concerning the second phase of the New Bedford Harbor cleanup.
33. FAX from Joseph M. Forns, Applied Marine Ecology Lab to Jane Wells, Office of Dispute Resolution (May 15, 1996), concerning suggested changes to the Phase II Community Forum Agreement.
34. Memorandum from Michael Keating and Jane Wells to Members of New Bedford Harbor Superfund Forum (June 4, 1996), concerning the attached final Community Forum agreement on the Phase 2 ROD.
35. Letter from Harley Laing, EPA Office of Regional Counsel to J. Michael Keating (June 20, 1996) with attached signature page of the Community Forum's Final Agreement on ROD 2 for New Bedford Harbor.
36. Letter from J. Michael Keating to Kristen Conroy, EPA Region I (July 25, 1996), concerning attached copy of the final Phase 2 Forum agreement and all signature pages.
37 Letter from John P. DeVillars, Regional Administrator, EPA Region I to Janice A. Davidian, Clerk of the City Council, New Bedford, MA (September 23, 1996) in response to an August 26, 1996 letter (attached) proposing a coastal park.
38. Letter from Cynthia Catri, EPA Region I to Irene Schall, Stanford and Schall, concerning the potential future use of the Herman Melville Shipyard for locating a Confined Disposal Facility (May 1, 1997).
39. Letter from Cynthia Catri, EPA Region I to Martin Manley, Harbor Development Commission, addressing the concerns of Irene Schall about the future use of the Herman Melville Shipyard (May 1, 1997).
40. Letter from Frederick M. Kalisz, Jr. , Mayor, City of New Bedford to Cynthia Catri, EPA Region I (March 10, 1998) concerning future of development of former Herman Melville Shipyard, with attached summary of site.
41. Letter from Harley Laing, EPA Region I , Director of OSRR to Frederick M. Kalisz, Jr., Mayor , City of New Bedford (March 23, 1998) concerning future development of Harbor Shoreline.
42. Letter from Martin S. Manley, New Bedford Harbor Development Commission to David Dickerson, EPA Region I (March 26, 1998) concerning former Herman Melville Shipyard site.
43 Memorandum from George Rogers, New Bedford City Councilor at Large concerning possible next steps to Hot Spot remediation, (Undated).

13.3 News Clippings/Press Releases

1. "Environmental News - EPA Releases Study for New Bedford Harbor Cleanup, " EPA Region I (August 21, 1990).
2. "Environmental News - United States Announces $66 Million Agreement in Principle with Defendant in New Bedford Harbor PCB Superfund Case," EPA Region I (September 4, 1990).
3. "Environmental News - EPA Postpones Meeting on New Bedford Harbor," EPA Region I (September 14, 1990).
4. "Environmental News - New Bedford Harbor Superfund Defendants Agree to $12.6 Million Settlement," EPA Region I (December 20, 1990).
5. "Environmental News - EPA Proposes Cleanup for Second Portion of New Bedford Harbor Superfund Site," EPA Region I (January 17, 1992).
6. "Harbor Dredging Planned", New Bedford Standard Times, January 21, 1992.
7. "The United States Environmental Protection Agency invites Public Comment on the Proposed Plan for Cleanup of the New Bedford Harbor Superfund Site (Estuary, Lower Harbor, Upper Bay Operable Unit)," The Standard Times - New Bedford, MA) (January 22, 1992).
8. "The United States Environmental Protection Agency Solicita Comentario Publico Acerca do Plano Proposto de Limpeza da Baia de New Bedford 'Superfund Site' (Estuarion, Parte Baixa da Baia, Parte Alta da Baia) - New Bedford, Massachusetts," Portuguese Times - New Bedford, MA (23 de Janeiro de 1992).
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10. "EPA Weighs PCB Danger Against Money", New Bedford Standard Times, January 26, 1992.
11. "2 Meetings Set on Aspects of Harbor Cleanup - EPA Plans Public Hearings on 2nd Phase", New Bedford Standard Times, March 2, 1992.
12. "2 Meetings Set on Aspects of Harbor Cleanup - Workshop to Explore Phase 1 Alternatives", New Bedford Standard Times, March 2, 1992.
13. "The United States Environmental Protection Agency Invites Public Comments on the Proposed Plan for Cleanup of the Upper Buzzards Bay Portion of the New Bedford Harbor Superfund Site - New Bedford, Massachusetts," EPA Region I (May 12, 1992).
14. "EPA Environmental News - EPA Proposes Plan to Addresses Contamination in Upper Buzzards Bay," EPA Region I (May 1992).
15. "EPA Environmental News - EPA Extends Comment Period for New Bedford Harbor Cleanup," EPA Region I (June 5, 1992).
16. Media Advisory: "Massachusetts Office of Dispute Resolution Announces Appointment of Neutral in New Bedford Superfund Cleanup" (November 19, 1993).
17. "The Massachusetts Office of Dispute Resolution Announces Agenda for New Bedford Harbor Superfund Site Public Forum", Commonwealth of Massachusetts Office of Dispute Resolution, February 3, 1994.
18. "The Massachusetts Office of Dispute Resolution Announces Agenda for the New Bedford Harbor Superfund Site Public Forum", Commonwealth of Massachusetts Office of Dispute Resolution, February 23, 1994.

13.3 News Clippings/Press Releases (continued)

19. "New Bedford Forum to Decide on Method for Handling PCBs", Commonwealth of Massachusetts Office of Dispute Resolution, May 31, 1994.
20. "New Bedford Forum Reaches Incineration Accord" (November 21, 1994)
21. "Harbor Cleanup Drags On", New Bedford Standard Times, April 26, 1995.
22. "Key Committee OKs Harbor Improvements", New Bedford Standard Times, May 26, 1995.
23. "EPA, Again, Dumps on New Bedford", New Bedford Standard Times, July 4, 1995.
24. Article on Dredging (no title), New Bedford Standard Times, August 26, 1995.
25. "Last Remains of PCB Hot Spots Sludge Removed", New Bedford Standard Times, September 8, 1995.
26. "Varied Views, But Desire to Cooperate", New Bedford Standard Times, September 24, 1995.
27. "Foes Aim at Burial of PCBs", New Bedford Standard Times, September 25, 1995.
28. "Area Citizens Honored for Battle Against PCBs", New Bedford Standard Times, September 26, 1995.
29 "Can Two Dredging Projects be Linked?", New Bedford Standard Times, October 22, 1995.
30. "A Marriage Proposal: Commerce and Cleanup", New Bedford Standard Times, October 22, 1995.
31. "City Vows to Block PCB Plan", New Bedford Standard Times, October 23, 1995.
32. " 'Married' Dredging Projects May Rescue Harbor Economy", New Bedford Standard Times, October 23, 1995.
33. "The New Bedford Harbor Community Forum Invites the Public to an Open Meeting on the New Bedford Harbor Cleanup", (November 29, 1995).
34. "EPA Will Poll Local Panel on PCB Disposal", New Bedford Standard Times, November 30, 1995.
35. "Fall River Firm Gets PCB Test Permit", New Bedford Standard Times, November 30,1995.
36. "Further Delays Unacceptable in Restoration of the Harbor", New Bedford Standard Times, December 1, 1995.
37. "Acushnet Selectmen Don't Want River PCBs Stored in Their Town", New Bedford Standard Times, December 1, 1995.
38. "Opposition to Permanent PCB Storage is Growing", New Bedford Standard Times, December 7, 1995.
39. "State Official: Lack of Open Minds Could Sink City Harbor Cleanup", New Bedford Standard Times, January 25, 1996.
40. "Greenpeace Offers Aid to Local Group's Fight Against EPA Plan", New Bedford Standard Times, January 25, 1996.
41. "Satisfactory Solutions Elude Planners of Harbor Cleanup", New Bedford Standard Times, (no date).
42. "North End Throws PCB Sludge Plan Back in EPA's Face", New Bedford Standard Times, (February 12, 1996).

13.3 News Clippings/Press Releases (continued)

43. "Compromise in the Works", Plymouth Advocate, February 15, 1996
44. "Residents Object to Disposal Site", Plymouth Advocate, February 15, 1996
45. "'Battle of the Lagoon' nearing Final Round", New Bedford Standard Times, February 28, 1996.
46. "EPA Gives Up Bid to Store PCB Sludge in City Lagoon", New Bedford Standard Times, February 29, 1996.
47. "Lagoon Neighbor Recalls Fond Memories", New Bedford Standard Times, March 1, 1996.
48. "Lagoon is Spared, and EPA Preserves Good Relationship", New Bedford Standard Times, March 2, 1996.
49. "Superfund Forum May Have Found a Solution", Plymouth Advocate, March 14, 1996.
50. "Acushnet Officials Appoint New Member of Harbor Forum", New Bedford Standard Times, April 11, 1996.
51. "New Bedford Harbor Community Forum Reaches Accord on Second Phase of the Harbor Cleanup", Commonwealth of Massachusetts Office of Dispute Resolution, August 1, 1996.
52. "Fishing in Closed Areas Continues Despite Ban", New Bedford Standard Times, August 15, 1996.
53. Invitation of Public Comment on the Proposed Plan for Cleanup of the Upper and Lower New Bedford Harbor, New Bedford Standard Times, October 20, 1996.
54. Environmental News, "EPA Proposed Cleanup Plan for Upper and Lower New Bedford Harbor", EPA Region I, October 27, 1996.
55. Noticias Sobre o Meio Ambiente (Environmental News), "O EPA Propoe Plano de Limpeza das Zonas Superior e Inferior do Porto de New Bedford", 30 de Outubro de 1996.
56. "EPA Wants to Bury PCB Sludge at Four Sites", New Bedford Standard Times, October 31, 1996.
57. Invitation of Public Comment on the Proposed Plan for Cleanup of the Upper and Lower New Bedford Harbor, New Bedford Standard Times, November 3, 1996.
58. "New Bedford Waterfront to Get $145m Cleanup", Boston Globe, November 3, 1996.
59. "New Bedford Waterfront to Get $145 Million Cleanup", Taunton Daily Gazette, November 4, 1996.
60. "New Bedford Waterfront to Get $145m Cleanup", Gloucester Daily Times, November 4, 1996.
61. "Weld Supports Plan to Bury PCB Sludge", New Bedford Standard Times, November 21, 1996.
62. "Public Comment Period Extended for Upper and Lower New Bedford Harbor Superfund Site", New Bedford Standard Times, December 5, 1996.
63. "Deadline for Comments on PCB Plan Now Jan. 23", New Bedford Standard Times, December 17, 1996.
64. "Upper and Lower New Bedford Harbor Public Comment Period Extended Again", New Bedford Standard Times, January 10, 1997.

13.3 News Clippings/Press Releases (continued)

65. "Harbor Dredging, PCB Cleanup Tie Urged by Officials", New Bedford Standard Times, August 22, 1997.
66. "Environmental News: EPA Issues Cleanup Decision for Upper and Lower New Bedford Harbor," EPA Region I (September 25, 1998).

13.4 Public Meetings

1. Summary of the Public Informational Meeting on EPA's Proposed Plan and Feasibility Study on January 30, 1992.
2. Transcript of Proposed Plan Public Hearing held March 5, 1992.
3. Transcript of Proposed Plan Public Hearing held June 10, 1992.
4. Memorandum from Michael Keating, Massachusetts Office of Dispute Resolution to Forum Participants/New Bedford Harbor Superfund Site concerning confirmation of first joint meeting on December 7, 1993 (December 2, 1993).
5. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, December 7, 1993
6. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, January 5, 1994.
7. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, January 12, 1994.
8. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, January 26, 1994.
9. Meeting Minutes for New Bedford Harbor Superfund Site Meeting, February 9, 1994.
10. Agenda and Meeting Minutes for New Bedford Harbor Superfund Site Meeting, March 1, 1994.
11. Handouts for New Bedford Forum, March 1, 1994.
12. Agenda and Meeting Minutes for New Bedford Harbor Superfund Site Meeting, March 9, 1994.
13. Agenda and Meeting Minutes for New Bedford Harbor Superfund Site Meeting, March 30, 1994.
14. Agenda and Meeting Minutes for New Bedford Harbor Superfund Site Meeting, April 6, 1994.
15. Agenda and Meeting Minutes for New Bedford Harbor Superfund Site Meeting, April 13, 1994.
16. Agenda and Meeting Minutes for New Bedford Harbor Superfund Site Meeting, April 26, 1994.
17. Agenda and Meeting Minutes for New Bedford Harbor Superfund Site Meeting, May 18, 1994.
18. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, June 6, 1994.
19. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, June 14, 1994.

13.4 Public Meetings (continued)

20. Meeting Summary for New Bedford Harbor Superfund Site Meeting, July 12, 1994.
21. Meeting Summary for New Bedford Harbor Superfund Site Meeting, with videotape of August 9, 1994 meeting.
22. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, with videotape of November 21, 1994 meeting.
23. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, February 6, 1995, with videotape of February 6, 1995 meeting..
24. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, March 28, 1995.
25 Agenda, Meeting Summary, and presentation material for the New Bedford Harbor Superfund Site Meeting, with videotape of April 25, 1995 meeting.
26. Agenda and Meeting Summary for New Bedford Harbor Superfund Site Meeting, June 13, 1995.
27. Agenda, Meeting Summary, and presentation material for the New Bedford Harbor Superfund Site Meeting, July 25, 1995.
28. Meeting Summary and presentation material for the New Bedford Harbor Superfund Site Meeting, August 22, 1995.
29. Agenda, Meeting Summary and presentation material for the New Bedford Harbor Superfund Site Meeting, September 5, 1995.
30. Agenda, Meeting Summary and presentation material for the New Bedford Harbor Superfund Site Meeting, September 20, 1995.
31. FAXed list of questions "Questions for Sea Change on the Proposed Remedy for Phase 2 of the New Bedford Harbor Cleanup", October 3, 1995.
32. Agenda, Meeting Summary and presentation material for the New Bedford Harbor Superfund Site Meeting, October 11, 1995.
33. Agenda, Meeting Summary and presentation material for the New Bedford Harbor Superfund Site Meeting, October 25, 1995.
34. Agenda for Round Table Discussion, with Information Sheet on Panel Members, for discussions held November 14 & 15, 1995, including videotape of November 14, 1995 meeting.
35. Meeting Summary and presentation material for the New Bedford Harbor Superfund Site Meeting, November 29, 1995.
36. Agenda, Meeting Summary, and presentation material for the New Bedford Harbor Superfund Forum Meeting, December 7, 1995.
37. Agenda, Meeting Summary, and presentation material for the New Bedford Harbor Superfund Forum Meeting, January 24, 1996.
38. Invitation and Agenda for Ward 2 Residents Meeting on New Bedford Harbor Cleanup, with videotapes of February 11, 1996 meeting.
39. Meeting Summary, and presentation material for the New Bedford Harbor Superfund Forum Meeting, February 28, 1996.
40. Agenda, Meeting Summary, and presentation material for the New Bedford Harbor Superfund Forum Meeting, March 26, 1996.

13.4 Public Meetings (continued)

41. Agenda, Meeting Summary , and presentation material for the New Bedford Harbor Superfund Forum Meeting, May 1, 1996.
42. Agenda for New Bedford Harbor Superfund Forum Meeting, September 25, 1996.
43. Summary of New Bedford Forum Meeting held December 11, 1996.
44. Minutes of the New Bedford Harbor Superfund Forum Meeting held February 12, 1997.
45. Summary of New Bedford Forum Meeting held March 26, 1997.
46. Summary of New Bedford Forum Meeting held May 21, 1997.
47. Minutes of the New Bedford Harbor Superfund Forum Meeting held July 30, 1997.
48. Meeting minutes for the New Bedford Forum Meeting of October 20, 1997.
49. Summary of the New Bedford Harbor Forum meeting of November 6, 1997.
50. Minutes of the Sea Change Panel meeting evaluating the use of Confined Disposal Facilities for storing contaminated sediments (November 14, 1995), with transmittal letter dated November 22, 1997.

13.5 Fact Sheets

1. "Common Questions About Dredging and Air Monitoring", EPA/U.S. Army Corps of Engineers, April 1994.
2. New Bedford Harbor site information and description fact sheet, (January 1996).
3. "PCB Contamination in New Bedford Harbor and the Acushnet River Estuary Area: A Fact Sheet", Massachusetts Department of Public Health, (November 6, 1996), with attached transmittal letter from Jeffrey Purvis, Department of Public Health to David Dickerson, EPA Region I.

13.9 Work Plans and Progress Reports

1. Fifty-four EPA/US Army Corps of Engineers Progress Reports for New Bedford Harbor Superfund Site (March 16, 1994 through January 11, 1996).

14.0 Congressional Relations

14.1 Correspondence

1. Letter from Barney Frank, United States House of Representatives to John DeVillars, Regional Administrator, EPA Region I (September 25, 1995) , concerning the disposition of PCBs at New Bedford.
2. Letter from John P. DeVillars, Regional Administrator, EPA Region I to Barney Frank, Member, U.S. House of Representatives (November 1, 1995) , concerning storage and treatment of PCBs .

14.1 Correspondence (continued)

3. Memorandum from Claudia Kirk and Roland Pepin, New Bedford Harbor Forum to Barney Frank, United States House of Representatives concerning facts sheet to be discussed at the February 28, 1996 New Bedford Harbor Forum meeting (February 26, 1996).
4. Letter from John F. Kerry, United States Senate to John DeVillars, EPA Region I concerning attached letter from a constituent (March 5, 1996).
   A. Letter from Monique M. Frechette, resident to Senator John F. Kerry, United States Senate discussing her concern over the decision to bury PCBs in Ward 2 (February 8, 1996).
5. Letter from John P. DeVillars, Regional Administrator, EPA Region I to Barney Frank, Member, U.S. House of Representatives (March 11, 1996) responding to attached undated letter from residents and officials concerning use of confined disposal facilities (CDFs) .
6. Letter from John P. DeVillars, Regional Administrator, EPA Region I to John Kerry, Member , U.S. Senate (April 25, 1996) responding to letter on behalf of a constituent concerning the second phase of the cleanup at the New Bedford Harbor Superfund Site.
7. Letter from William M. Straus, Commonwealth of Massachusetts House of Representatives to Barney Frank, Member, U.S. House of Representatives (April 26, 1996) , concerning the proposed Record of Decision (ROD) for the New Bedford Harbor Superfund Site.
8. Letter from John P. DeVillars, Regional Administrator, EPA Region I to Barney Frank, Member, U.S. House of Representatives (June 17, 1996) responding to attached letter to Carol Browner, EPA Administrator, dated May 6, 1996.
9. Letter from Barney Frank, Member, U.S. House of Representatives to the National Remedy Review Board, U.S.EPA (August 21, 1996) supporting the proposed Record of Decision (ROD) for the New Bedford Harbor Superfund Cleanup.

16.0 Natural Resource Trustee

16.1 Correspondence

1. Letter from Kenneth Finkelstein, NOAA to Mary Sanderson, EPA Waste Management Division (May 14, 1990) commenting on the Draft Feasibility Study for the Estuary and Lower Harbor/Bay for the New Bedford Harbor Superfund Site.
2. Letter from Kenneth Finkelstein, National Oceanic and Atmospheric Administration (NOAA) to Mary Sanderson, EPA Waste Management Division (June 4, 1990) commenting on the selection of alternatives proposed for the remediation of contaminated sediments.
3. Letter from Susan F. Tierney, MA Executive Office of Environmental Affairs, William Patterson, Office of Environmental Affairs and Richard B. Roe, Regional Director, National Marine Fisheries Service to Julie Belaga, Regional Director, EPA Region I (July 10, 1992) commenting on the Proposed Remedial Action Plan.

16.1 Correspondence (continued)

4. Letter from Kenneth Finkelstein, NOAA to David Dickerson, EPA Office of Site Remediation and Restoration, (December 5, 1996), concerning the Proposed Cleanup Plan for New Bedford Harbor.
5. Letter from Elizabeth A. Higgins, EPA Region I to John Terrill, NOAA, National Marine Fisheries Service, concerning the draft Restoration Plan Environmental Impact Statement/ Environmental Impact Review for the New Bedford Harbor Environment (July 2, 1997).

16.5 Technical Issue Papers

1. Letter from Kenneth Finkelstein, U.S. Department on Commerce National Oceanographic and Atmospheric Administration to Mary C. Sanderson, EPA Region I (January 31, 1991), concerning transmittal of the attached "Analysis and Comparison of Remedial Alternatives Recommended by the Natural Resource Trustees for the Upper Buzzards Bay Section of the New Bedford Harbor Superfund Site," U.S. Department of Commerce National Oceanographic and Atmospheric Administration (January 1991).
2. Letter from John A. Lindsey for Jay Field, U.S. Department of Commerce National Oceanographic and Atmospheric Administration to Mary C. Sanderson, EPA Region I (September 20, 1991), concerning the attached "New Bedford Harbor Site - Cost Estimate for Remedial Action (Dredging Option) Off Cornell-Dubillier Facility," U.S. Department of Commerce National Oceanographic and Atmospheric Administration.
3. Letter from John A. Lindsey, U.S. Department of Commerce National Oceanographic and Atmospheric Administration (NOAA) to Gayle Garman, EPA Region I (April 22, 1992), concerning transmittal and content of the attached "Evaluation of Effectiveness: Relative Exposure Model," U.S. Department of Commerce National Oceanographic and Atmospheric Administration (NOAA)

17.0 Site Management Records

17.4 Maps/Photographs

1. Photo Simulation of Upper Harbor Proposed CDFs. (Undated).

17.7 Reference Documents

1. "A Study of Winter Flounder Movements," Saul B. Saila, University of Rhode Island Narragansett Marine Laboratory (1968).
2. "Avoidance of Arochlor 1254 by Shrimp and Fishes," D.J. Hansen, S.C. Schimmel, and E. Matthews, Gulf Breeze Environmental Research Laboratory (1974).
3. "Report of Industrial Hygiene Study for Aerovox Industries, Inc., New Bedford, Massachusetts", with transmittal letter from Harold Bavley, Commonwealth of Massachusetts Division of Occupational Hygiene to Norman Butterworth, Aerovox Industries (December 17, 1976).

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4. "Fine-grained Sediment and Industrial Waste Distribution and Dispersal in New Bedford Harbor and Western Buzzards Bay, Massachusetts," Colin P. Summerhayes, Jeffrey P. Ellis, Peter Stoffers, Scott R. Briggs, and Michael Fitzgerald, Woods Hole Oceanographic Institution for the Department of Commerce National Oceanic and Atmospheric Administration (NOAA) (April 1977).
5. "Polychlorinated Biphenyl (PCB) Analyses of Marine Organisms in the New Bedford Area, 1976 - 1980," Andrew Kolek and Russell Ceurvels, Commonwealth of Massachusetts Department of Fisheries, Wildlife, and Recreational Vehicles Division of Marine Fisheries (January 1981).
6. "Metabolic and Health Consequences of Occupational Exposure to Polychlorinated Biphenyls," A.B. Smith, et al,. U.S. Department of Health and Human Services (December 9, 1981).
7. "PCB Pollution in the New Bedford Harbor, Massachusetts Area: A Status Report", Massachusetts Coastal Zone Management, (June 1982).
8. "A Retrospective Mortality and Cancer Incidence in Capacitor Manufacturing Workers," Judith A. Zack and David C. Musch, Department of Ophthalmology, University of Michigan Medical School (February 1983).
9. "Statistical Observations about the Causes of the Death of Patients with Oil Poisoning," Matsuo Amano, et al., Kenwa Labor and Hygiene Laboratory (April 1984).
10. "Mortality of Workers Exposed to Polychlorinated Biphenyls - an Update", David P. Brown, National Institute for Occupational Safety and Health (NIOSH), April 1985, with transmittal letter from David P. Brown, NIOSH to Aerovox Industries, Inc. (May 2?, 1985).
11. "Short Term Mortality and Cancer Incidence in Capacitor Manufacturing Workers Exposed to Polychlorinated Biphenyls (PCBs)," Per Gustavson, Department of Occupational Medicine, Karolinska Hospital, Christer Hogstedt, Section of Occupational Medicine, Research Department, National Board of Occupational Safety and Health, and Christopher Rappe, Department of Organic Chemistry , University of Umea (April 21, 1986).
12. "Analysis of Deaths Seen Among Patients with Yusho," Kooiti Nakamura, et al., Department of Public Health, Faculty of Medicine, Kyushu University and Masanori Kuratsune , Nakamura Gakuen College (June 30, 1986).
13. "Cancer Mortality of Capacitor Manufacturing Workers," Pier Alberto Bertazzi, et al., Institute of Occupational Health, University of Milan (August 4, 1986).
14. "The Effect of Inherited Contamination of Egg and Larval Winter Flounder, *Pseudopleuronectes americanus*," Diane E. Black, Donald K. Phelps, and Richard L. Lapan, Environmental Research Laboratory (ERLN) (March 30, 1987).
15. "Methodology for Chemical Fixation of Inorganic Sludges," Rodney R. Bartchy Jr., Envirosafe Management Services, Inc. (October 21, 1987).

17.7 Reference Documents (continued)

16. "Mortality of Workers Exposed to Polychlorinated Biphenyls - An Update," David P. Brown, National Institute of Occupational Safety and Health and U.S. Department of Health and Human Services Center for Disease Control (November/December 1987).
17. "Lost Harvest: Sewage, Shellfish, and Economic Losses in the New Bedford Area," Conservation Law Foundation of New England (January 1988).
18. "Draft Report - Distribution and Concentration of Polychlorinated Biphenyls in Lobster, Winter Flounder, and Quahogs from Buzzards Bay, Massachusetts," Jack P. Schwartz, Commonwealth of Massachusetts Department of Fisheries, Wildlife, and Recreational Vehicles Division of Marine Fisheries for EPA Region I (September 1988).
19. "Hazard Assessment - Equilibrium Partitioning and Bioaccumulation of Sediment-Associated Contaminants by Infaunal Organisms," James L. Lake, et al., Environmental Research Laboratory (ERLN) (April 4, 1989).
20. Memorandum from Cheryl L. Siegel Scott, EPA Headquarters to Renate Kimborough, EPA Headquarters (June 13, 1989), concerning concordance of liver and gallbladder cancer coding between hospital diagnosis and death certificates.
21. "PCB Movement, Dechlorination, and Detoxification in the Acushnet Estuary," John F. Brown Jr. and Robert E. Wagner, General Electric Company (August 8, 1989).
22. "Geochemical Study of Sediment Contamination in New Bedford Harbor, Massachusetts," Richard J. Pruell, et al., Environmental Research Laboratory (ERLN) (August 21, 1989).
23. "Nonconstant Polychlorinated Biphenyl Partitioning in New Bedford Harbor Sediment During Sequential Batch Leaching," James M. Brannon, Tommy E. Meyers, Douglas Gunnisoni, and Cynthia B. Price, U.S. Army Engineer Waterways Experiment Station (WES) (June 1990).
24. "Ambient Air Monitoring of Dredging and Disposal of PCB Contaminated Sediment at a Marine Superfund Site: New Bedford Harbor, Massachusetts," Alan S. Fowler and Mark R. Hanson, EBASCO Services Inc. (July 1990).
25. "CF Systems Organics Extraction Process, New Bedford Harbor, MA: Applications Analysis report," (EPA/540/A5-90/002) EPA Office of Research and Development Risk Reduction Engineering Laboratory (August 1990).
26. "Research and Development Program for the Destruction of PCBs: Ninth Progress Report, June 1, 1989 – July 31, 1990," General Electric Company Corporate Research and Development (August 1990).
27. "Buzzards Bay Caged Mussel Pilot Biomonitoring Study 1987 - 1988," Christine L. Duerring, Commonwealth of Massachusetts Department of Environmental Protection for EPA Region I (October 1990).
28. "ARARs Q's & A's: The Find-Balancing Waiver", EPA Office of Solid Waste and Emergency Response, 1991.
29. "Application of a Food Chain Model to Polychlorinated Biphenyl Contamination of the Lobster and Winter Flounder Food Chains in New Bedford Harbor," John P. Connolly, HydroQual, Inc. (April 1991).

17.7 Reference Documents (continued)

30. "Guidance for Water Quality-Based Decisions: The TMDL Process", U.S. EPA Office of Water, (April 1991).
31. "Bioaccumulation of P,P'-DDE and PCB 1254 by a Flatfish Bioindicator from Highly Contaminated Marine Sediments of Southern California," David R. Young, Alan J, Mearns, and Richard W. Gosset (1991).
32. "Development and Use of Site-Specific Chemical and Biological Criteria for Assessing New Bedford Harbor Pilot Dredging Project," William G. Nelson and David J. Hansen, Environmental Research Laboratory (ERLN) (1991).
33. "Draft Protocol: A Study of Cancer Incidence and Mortality Among Workers Exposed to Polychlorinated Biphenyls (PCBs) in Electrical Capacitor Manufacturing Plants", Karen E. Davis-King et al., NIOSH; David P. Brown, National Institute for Environmental Health Sciences; and Philip Taylor, National Cancer Institute, (July 27, 1992), with transmittal letter from Karen E. David-King, National Institute for Occupational Safety and Health (NIOSH) to Philip Fox, Aerovox, Inc.
34. "Partitioning of Polychlorinated Biphenyls Congeners in the Seawater of New Bedford Harbor, Massachusetts", Barbara Bergen, Science Applications International Corp. and William G. Nelson and Richard J. Pruell, EPA Environmental Research Laboratory (1993).
35. "Incidence of Adverse Biological Effects within Ranges of Chemical Concentrations in Marine and Estuarine Sediments", Edward R. Long, NOAA, Donald D. MacDonald, MacDonald Environmental Sciences, Ltd., Sherri L. Smith, Environment Canada and Fred D. Calder, Florida Department of Environmental Protection (October 15, 1993).
36. "TMDL Program Supplemental Guidance: The TMDL Concept", U.S. EPA (Draft of December 12, 1994).
37. "Polychlorinated Biphenyl Congener Distributions in Winter Flounder as Related to Gender, Spawning Site, and Congener Metabolism", Adria A. Elskus, et al., Woods Hole Oceanographic Institution, and Dianne E. Black et al., EPA Environmental Research Laboratory, (1994).
38. "Comparison of PCB and Trace Metal Bioaccumulation in the Blue Mussel, *Mytilus Edulis*, and the Ribbed Mussel, *Modiolus Demissus*, in New Bedford Harbor, Massachusetts", William G. Nelson, EPA Environmental Research Laboratory; Barbara J. Bergen, Science Applications International Corp.; and Donald J. Cobb, North East Laboratory (1994).
39. "Comparisons of Patterns of Polychlorinated Biphenyl Congeners in Water, Sediment, and Indigenous Organisms from New Bedford Harbor, Massachusetts", J. L. Lake, EPA Environmental Research Laboratory; R. McKinney and F. A. Osterman, Science Applications International Corp., and J. Heltshe, University of Rhode Island Department of Computer Science and Statistics, (Received July 16, 1994; revised January 23, 1995).

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41. "Fate and Transport of PCBs at the New Bedford Harbor Superfund Site", Laurie S. Garton, James S. Bonner, Andrew N. Ernest and Robin L. Autenrieth, Texas A & M University, Civil Engineering Department, Environment, Ocean and Water Resources Engineering College Station, Texas (1995).
42. "Environmental Effects of Dredging - Technical Notes" U.S. Army Engineers Waterways Experimental Station, Vertical Strip Drains to Increase Storage Capacity of Confined Disposal Facilities" (March 1996).
43. "Environmental Effects of Dredging - Technical Notes" U.S. Army Engineers Waterways Experimental Station, Natural Processes for Contaminant Treatment and Control at Dredged Material Confined Disposal Facilities", (March 1996).
44. "PCBs: Cancer Dose-Response Assessment and Application to Environmental Mixtures" National Center for Environmental Assessment, Office of Research and Development, U.S. EPA , (September 1996).
45. "Influence of Harbor Contamination of the Level and Composition of Polychlorinated Biphenyls in Produce in Greater New Bedford, Massachusetts" Alison C. Cullen, et al., Harvard School of Public Health (1996).
46. "Identification of Acute Toxicants in New Bedford Harbor Sediments", Kay T. Ho, et al., EPA Atlantic Ecology Division, (1996).
47. "Feminization of Male Common Tern Embryos is not Correlated with Exposure to Specific PCB Congeners", I.C.T. Nisbet, I.C.T. Nisbet & Company; D.M. Fry, Department of Avian Sciences, University of California; J. J. Hatch, Department of Biology, University of Massachusetts, Boston; and B. Lynn, Mississippi State Chemical Laboratory, Mississippi State University (1996).
48 "Results of Treatment Evaluations of Contaminated Soils," Pat Esposito et al., PEI Associates, Inc. and Robert Thurnau et al., Hazardous Waste Engineering Research Laboratory. (Undated)
49. "An Assessment of Materials that Interfere with Stabilization/Solidification Processes," M. John Cullinane Jr., R. Mark Bricka, and Norman X. Francingues Jr., U.S. Army Engineer Waterways Experiment Station (WES).(Undated)
50. "Interactions of Stabilized Incineration Residue with the Marine Environment," Frank J. Roethel and Vincent T. Breslin, Marine Sciences Research Center, State University of New York. (Undated)
51. "A Cohort Study on Mortality of 'Yusho' Patients: A Preliminary Report," Masanori Kuratsune, et al., Nakamura Gakuen College. (Undated)
52. "Polychlorinated Biphenyl Induction of Hepatocellular Carcinoma in the Sprague-Dawley Rat," D.H. Norback and Robert H. Weltman, Department of Pathology and Laboratory Medicine, University of Wisconsin. (Undated)

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53. "Food Chain Exposure Assessments: A Multi-Species Approach", Michael J. Donato and Andrew H. Baldwin, E.C. Jordan. (Undated).
54. "Long-Term Fate of PCB Contamination in the New Bedford Harbor, Massachusetts, System", M.C. Richmond, L.F. Hibler, T.E. Michener, M.L. Kemner, D.S. Trent and Y. Onishi, Battelle Pacific Northwest Laboratories. (Undated).
55. "Mortality and Industrial Hygiene Study of Workers Exposed to Polychlorinated Biphenyls", David P. Brown and Mark Jones, U.S. Department of Health, Education and Welfare, NIOSH. (Undated).
56. "On-Site Containment of PCB-Contaminated Soils at Aerovox, Inc., New Bedford, Massachusetts", John Joseph Gushue and Robert Steven Cummings. (Undated)

17.8 State and Local Technical Records

1. "Final - Phase 2 Facilities Plan - Volume IV - Effluent Outfall, " Camp, Dresser & McKee, Inc. for the City of New Bedford (January 1990).
2. "City of New Bedford -- Phase II Facility Plan - Volume VII - Supplemental Environmental Impact Report: Effluent Outfall - Section 4.0 - Assessment of Effluent Discharge on Marine Life and Harbor Uses," Camp, Dresser & McKee, Inc. (March 1991).