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Administrative Record Index for the OLIN CORP. (MCINTOSH PLANT) NPL Site (Operable Unit #1)

1.0 PRE-REMEDIAL

1. 2 Sampling and Analysis Data

1. "Quality Assurance Sampling Investigation Groundwater Monitoring - Olin Chemical Corporation - McIntosh, Alabama," EPA Region IV. (1982) Concerning the evaluation of Olin Corporation/McIntosh Plant Site groundwater monitoring program and the provision of split sample analysis of samples from this facility.

1. 8 Preliminary Assessment Documents

1. "Potential Hazardous Waste Site Identification and Preliminary Assessment," Form, Daniel Cooper, State of Alabama Department of Health. (December 11, 1979) Concerning preliminary assessment of the Mercury Cell Brine Ponds and Landfill at the Olin Corporation/McIntosh Plant Site.
2. "Potential Hazardous Waste Site Identification and Preliminary Assessment," Form, Daniel Cooper, State of Alabama Department of Health. (December 12, 1979) Concerning preliminary assessment of the Ash Pond and Landfill at the Olin Corporation/McIntosh Plant Site.
3. "Potential Hazardous Waste Site Identification and Preliminary Assessment," Form, Daniel Cooper, State of Alabama Department of Health. (December 12, 1979) Concerning preliminary assessment of the Lime Slurry Ponds at the Olin Corporation/McIntosh Plant Site.

1. 9 Site Inspection Documents

1. "Potential Hazardous Waste Site - Site Inspection Report," Form, B.E. Cox, State of Alabama Department of Environmental Management. (March 12, 1980) Concerning the Olin Corporation - Old Plant Landfill.
2. Letter from Bernard Cox, State of Alabama Department of Environmental Management, to Robert Reams, Olin Chemical Company. (April 01, 1980) Concerning the site inspection performed on March 12, 1980.
3. "Potential Hazardous Waste Site - Site Inspection Report," Form, Joel Veater, EPA Region IV. (June 24, 1983) Concerning the Olin Corporation - Old Plant Landfill.

3.0 REMEDIAL INVESTIGATION (RI)

3. 1 Correspondence

1. Letter from Cheryl Smith, EPA Region IV, to James Brown, Olin Corporation. Review and comments on the Remedial Investigation/Risk Assessment for the Olin Corporation/McIntosh Plant Site. (October 29, 1990)
2. Letter from Cheryl Smith, EPA Region IV, to Fred Harders, Alabama Department of Conservation and Natural Resources. (May 23, 1991) Concerning transmittal of the Draft Work Plan, Sampling and Analysis Plan and Health and Safety Plan.
3. A letter from Cheryl Smith, EPA Region IV, to Joseph Downey, State of Alabama Department of Environmental Management. Request for technical review of Revised RI/FS Work Plan, Health and Safety Plan, Quality Assurance Project Plan, and Field Sampling and Analysis Plan. (May 29, 1991)
4. A letter from Cheryl Smith, EPA Region IV, to Mr. Fred Harders, Alabama Department of Natural Resources. Request for technical review of the Revised RI/FS Work Plan, Health and Safety Plan, Quality Assurance Project Plan, and Field Sampling and Analysis Plan. (May 29, 1991)

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Administrative Record Index for the OLIN CORP. (MCINTOSH PLANT) NPL Site (Operable Unit #1)

3.0 REMEDIAL INVESTIGATION (RI)

3. 1 Correspondence

5. A letter from Cheryl Smith, EPA Region IV, to Charles Lee, Planning Research Corporation. Request for review of the Revised RI/FS Work Plan, Health and Safety Plan, Quality Assurance Project Plan, and Field Sampling and Analysis Plan. (May 29, 1991)

6. A letter from Cheryl Smith, EPA Region IV, to James Lee, Office of Environmental Project Review. Request for technical review of Revised RI/FS Work Plan, Health and Safety Plan, Quality Assurance Project Plan, and Field Sampling and Analysis Plan. (May 29, 1991)

7. A memorandum from Cheryl Smith, EPA Region IV, to Elmer Akin, EPA Region IV, Van Shrieves, EPA Region IV, Bernie Hayes, EPA Region IV, John Lindsey, National Oceanic Atmospheric Administration, Jason Darby, RCRA. Request to review the Revised RI/FS Work Plan and Sampling and Analysis Plan. (May 29, 1991)

8. Letter from Cheryl Smith, EPA Region IV, to William Bokey, EPA Region IV - Environmental Services Division, Chuck Pietrosewicz, Agency for Toxic Substances and Disease Registry, and Wade Knight, EPA Region IV - Environmental Services Division. Request for review of the Revised RI/FS Work Plan, Health and Safety Plan, Quality Assurance Project Plan, and Field Sampling and Analysis Plan. (May 29, 1991)

9. Letter from Cheryl Smith, EPA Region IV, to James Moore, Geological Survey of Alabama. Request for review of Revised RI/FS Work Plan, Health and Safety Plan, Quality Assurance Project Plan, and Field Sampling and Analysis Plan. (May 29, 1991)

10. Letter from Cheryl Smith, EPA Region IV, to Mark Meckes, EPA. Request to review the RI/FS Work Plan, Health and Safety Plan, Quality Assurance Project Plan, and Field Sampling and Analysis Plan. (May 29, 1991)

11. Letter from James Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Confirming conversation on August 22, 1991 about EPA's sampling and RCRA Facility Assessment. (August 22, 1991)

12. Letter from James Brown, Olin Corporation, to Ken Lucas, EPA Region IV. Impressions of the October 7th meeting. (October 10, 1991)

13. Letter from Rachel Cochran, PRC Environmental Management, from Ken Lucas, EPA Region IV. Summary of the October 7th meeting. (October 10, 1991)

14. Letter from Cheryl Smith, EPA Region IV, to James Brown, Olin Corporation. Confirming meeting scheduled for February 19, 1992. (February 18, 1992)

15. Letter from Rachel Cochran, PRC Environmental Management, Inc., to Cheryl Smith, EPA Region IV. Meeting Summary Report for the February 19, 1992 meeting during which sampling strategy was addressed. (February 20, 1992)

16. Memorandum from Cheryl Smith, EPA Region IV, to file. Purpose of the visit was to allow Cheryl Smith, Charles King, and Ken Lucas to visualize the areas of ecological risk concern for the Olin Corporation/McIntosh Plant Site. (April 14, 1992)

17. Letter from William Beal and Dennis Reece, Woodward-Clyde, to Cheryl Smith, EPA Region IV. Transmittal of correct versions of Figure 3 from the Exposure Assessment. (June 05, 1992)

18. Letter from Cheryl Smith, EPA Region IV, to James Brown, Olin Corporation. transmittal of the modifications to the schedule submitted on February 28, 1992. (July 09, 1992)

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Administrative Record Index for the OLIN CORP. (MCINTOSH PLANT) NPL Site (Operable Unit #1)

3.0 REMEDIAL INVESTIGATION (RI)

3. 1 Correspondence

19. Letter from Cheryl Smith, EPA Region IV, to James Brown, Olin Corporation. Data gaps in Preliminary Site Characterization Summary Report. (January 06, 1993)

3. 2 Sampling and Analysis Data

1. Verified Sampling Data, Chain of Custody Forms and Quality Assurance and Quality Control Documents related to Verified Sampling Data are currently located at EPA Region IV, Environmental Services Division, Athens, Georgia. Such Documentation will be made available for review upon request sent to the Remedial Project Manager for the Olin Corporation/McIntosh Plant Site, Region IV, EPA Region, 345 Courtland Street, Atlanta, Georgia 30362. (DATE UNKNOWN)
2. Memorandum from Timothy Forester, State of Alabama Department of Environmental Management, to Bernard Cox, State of Alabama Department of Environment Management. (November 26, 1985) Concerning sediment sampling in the Tombigbee River.
3. Letter from A.L. Feldman, Olin Chemicals, to Paul Klotz, BCM. (December 17, 1987) Concerning the transmittal of three volumes of Basin Sampling & Analysis data taken at the Olin Corporation/McIntosh Plant Site.
4. "An Evaluation of Mercury Contamination in the Tombigbee River Near an Industry with a History of Mercury Discharges". Prepared by the Fish and Wildlife Service. (May 22, 1990)
5. "An Evaluation of Organochlorine Pesticide Contamination in the Tombigbee River Near an Industry with a history of DDT Discharges". Prepared by the U.S. Fish and Wildlife. (May 22, 1990)
6. Letter from Cheryl Smith, EPA Region IV, to J.C. Brown, Olin Corporation. EPA's review and request for modifications to the Sampling and Analysis Plan. (May 21, 1991)
7. Letter from Rachel Cochran, PRC Environmental Management, Inc., to Cheryl Smith, EPA Region IV. Submittal of completed Table 1 Summary of Split Samples. (July 29, 1991)
8. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Request to change sampling site. (August 14, 1991)
9. Letter from J.C. Brown, Olin Corporation, to Ken Lucas, EPA Region IV. Method 245.5 CLP-M to analyze the mercury in sediments from the Basin. (September 11, 1991)
10. Memorandum from Mark Meckes, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the "Revised Sampling and Analysis Plan, Macroinvertebrate Study and Fish Sampling" for the Olin Corporation/McIntosh Plant Site. (September 18, 1991)
11. Letter from Winston Smith, EPA Region IV, to Donald Guinyard, EPA Region IV. Air Toxics Unit review of the Sampling and Analysis Plan. (September 20, 1991)
12. Memorandum from Julie Keller, Management Technology, to Cheryl Smith, EPA Region IV. Review and comments on the Revised Sampling and analysis Plan for the Macroinvertebrate Study and Fish Sampling at Olin Corporation/McIntosh Plant Site. (September 23, 1991)
13. Letter from Robert Safay, Department of Health and Human Services, to Cheryl Smith, EPA Region IV. Review of the Sampling and Analysis Plan. (September 24, 1991)
14. Letter from David Rusher, Dynamac Corporation, to Cheryl Smith, EPA Region IV. Transmitting PRC's review of the Revised Sampling and Analysis Plan, and the Macroinvertebrate Study and Fish Sampling. (September 25, 1991)

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Administrative Record Index for the OLIN CORP. (MCINTOSH PLANT) NPL Site (Operable Unit #1)

3.0 REMEDIAL INVESTIGATION (RI)

3. 2 Sampling and Analysis Data

15. Letter from J.C. Brown, Olin Chemicals, to Cheryl Smith, EPA Region IV. "Fish Sampling Analytical Techniques for the Remedial Investigation/Feasibility Study", McIntosh Plant Site, Olin Corporation/McIntosh Alabama. Prepared by Woodward-Clyde Consultants. (September 26, 1991)

16. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration, to Ken Lucas, EPA Region IV. Review of the Revised Sampling and Analysis Plan, Macroinvertebrate Study and Fish Sampling, Remedial Investigation/Feasibility Study for Olin Corporation/McIntosh Plant Site. (September 27, 1991)

17. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Fish Sampling Analytical Techniques. (October 01, 1991)

18. Memorandum from Julie Keller, Management Technology, to Cheryl Smith, EPA Region IV. Review of the Fish and Sampling Analytical Techniques. (October 03, 1991)

19. Memorandum from Joan Dupont, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comments on the Revised Sampling and Analysis Plan. (October 07, 1991)

20. Memorandun from Julie Keller, Management Technology, to Kenneth Lucas, EPA Region IV. Reevaluation of the Fish and sampling Analytical Techniques. (October 08, 1991)

21. Letter from Larry Goldman, U.S. Department of the Interior, to Kenneth Lucas, EPA Region IV. Confirming the U.S. Fish and Wildlife Service comments regarding the Revised Sampling and Analysis Plan. (October 10, 1991)

22. Letter from Kenneth Lucas, EPA Region IV, to J.C.Brown, Olin Corporation. Regarding the Revised Sampling and Analysis Plan. (October 15, 1991)

23. Letter from J.C. Brown, Olin Corporation, to Ken Lucas, EPA Region IV. Response to comments on the Sampling and Analysis Plans dated September 5 and September 26, 1991. (October 18, 1991)

24. Letter from Kenneth Lucas, EPA Region IV, to J.C.Brown, Olin Corporation. EPA's final position on the Revised Sampling and Analysis Plan. (October 24, 1991)

25. A letter from J.C. Brown Olin Corporation, to Kenneth Lucas, EPA Region IV. Transmittal of attached "Revised Sampling and Analysis Plan for Macroinvertebrate Study and Fish Sampling". (October 29, 1991)

26. A letter from J.C.Brown, Olin Corporation, to Kenneth Lucas, EPA Region IV. Change in start date for the Domestic Well Sampling. (October 29, 1991)

27. A memorandum from Wade Knight, EPA Region IV, to Kenneth Lucas, EPA Region IV. Review and comment on the Revised Sampling and Analysis Plan. (October 29, 1991)

28. Letter from Ken Lucas, EPA Region IV, to James Brown, Olin Chemicals. Approval of schedule changes for the Domestic Well Sampling. (October 29, 1991)

29. Letter from William Beal and Dennis Reece, Woodward-Clyde Consultants, to Kenneth Lucas, EPA Region IV. Transmittal of map showing domestic wells within three mile radius of Olin McIntosh Plant Site. (November 06, 1991)

30. Letter from Michael Jones, PRC Environmental Management, Inc., to Kenneth Lucas, EPA Region IV. List of EPA split sample locations from Olin Chemical. (November 07, 1991)

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3.0 REMEDIAL INVESTIGATION (RI)

3. 2 Sampling and Analysis Data

31. A memorandum from Joan Dupont, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Fish Sampling and Analytical Techniques. (November 08, 1991)

32. Letter from Kenneth Lucas, EPA Region IV, to J.C. Brown, Olin Corporation. Request for submission of analytical data package. (November 08, 1991)

33. Letter from William Beal and Charlie Westerman, Woodward-Clyde Consultants, to Kenneth Lucas, EPA Region IV. Transmittal of available CLP Data Packages for samples identified in November 8, 1991 correspondence to Olin. (November 18, 1991)

34. Memorandum from Kenneth Lucas, EPA Region IV, to Wade Knight. Review of Split Samples Data. (November 20, 1991)

35. Letter from Kenneth Lucas, EPA Region IV, to James Lee, U.S. Department of the Interior. Transmittal of the Final Revised Sampling and Analysis Plan and response to 10/10/91 letter. (November 28, 1991)

36. Letter from James Lee, U.S. Department of the Interior, to Kenneth Lucas, EPA Region IV. Forwarded copy to U.S. Fish and Wildlife Service for review. (December 04, 1991)

37. Letter from Charlie Westerman and William Beal, Woodward-Clyde Consultants, to Kenneth Lucas, EPA Region IV. Transmittal of Chain of Custody Records for the samples identified in the November 8, 1991 correspondence to Olin. (December 05, 1991)

38. Memorandum from Gary Bennett, EPA Region IV, to Kenneth Lucas, EPA Region IV. Evaluation of QC and Split Sample Data. (December 10, 1991)

39. Letter from Larry Goldman, U.S. Department of the Interior, to Kenneth Lucas, EPA Region IV. Review and comments on the Revised Sampling and Analysis Plan and Fish Sampling. (January 29, 1992)

40. Memorandum from David O'Brien, to William Beal, Woodward-Clyde Consultants. Data review of Domestic Well Samples, delivery group 9150. (February 07, 1992)

41. Memorandum from David O'Brien, to William Beal, Woodward-Clyde Consultants. Data review of Domestic Well Samples, delivery group 9153. (February 07, 1992)

42. Memorandum from David O'Brien, to William Beal, Woodward-Clyde Consultants. Analytical Data Review of Domestic Well Samples, delivery group 9149. (February 10, 1992)

43. Memorandum from Gary Bennett, EPA Region IV, to Doug McCurry, EPA Region IV. Evaluation of Groundwater Analytical Results, sampled January and June of 1991. (February 24, 1992)

44. Letter from J.C.Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Revised 1992 Sampling Schedule. (February 28, 1992)

45. Letter from J.C.Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Transmittal of the Sampling and Analysis Plan for Additional Work under the McIntosh Remedial Investigation. (April 02, 1992)

46. A letter from Cheryl Smith, EPA Region IV, to Joseph Downey, State of Alabama Department of Environmental Management. Request for review and comments on the Sampling and Analysis Plan. (April 06, 1992)

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Administrative Record Index for the OLIN CORP. (MCINTOSH PLANT) NPL Site (Operable Unit #1)

3.0 REMEDIAL INVESTIGATION (RI)

3. 2 Sampling and Analysis Data

47. Letter from Cheryl Smith, EPA Region IV, to Fred Harders, Alabama Department of Conservation and Natural Resources. Request for review and comment on the Sampling and Analysis Plan. (April 06, 1992)

48. Letter from Cheryl Smith, EPA Region IV, to James Lee, U.S. Department of the Interior. Request for review and comment on the Sampling and Analysis Plan. (April 06, 1992)

49. Letter from Cheryl Smith, EPA Region IV, to James Moore, State of Alabama Water Resource Division. Request to review the Revised Sampling and Analysis Plan. (April 06, 1992)

50. Letter from Cheryl Smith, EPA Region IV, to Mr. Jack Sulima, Dynamac, Inc. Request for review and comment on the Sampling and Analysis Plan. (April 06, 1992)

51. Letter from Ernest Mancini, State and Gas Board of Alabama, to Cheryl Smith, EPA Region IV. Review of the Sampling and Analysis Plan. (April 10, 1992)

52. Memorandum from Pat Stamp, EPA Region IV, to Cheryl Smith, EPA Region IV. Regarding Phase II Sampling and Analysis Plan. (April 13, 1992)

53. Memorandum from Roger Carlton, EPA Region IV - Environmental Services Division, to Cheryl Smith, EPA Region IV. Review and comments on the Revised Sampling and Analysis Plan. (April 16, 1992)

54. Memorandum from David Hill, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of Phase II Sampling and Analysis Plan. (April 21, 1992)

55. Letter from David Rusher, Dynamac Corporation, to Cheryl Smith, EPA Region IV. Technical review comments on the April 1992, Revised Sampling and Analysis Plan submitted by Olin Corporation. (April 23, 1992)

56. Letter from Alan Farmer, EPA Region IV, to William Hardy, Alabama Department of Environmental Management. Use of Appendix VIII and Appendix IX Constituent Lists. (April 28, 1992)

57. Letter from Larry Goldman, U.S. Department of the Interior, to Cheryl Smith, EPA Region IV. Review of the Revised Sampling and Analysis Plan. (April 28, 1992)

58. A memorandum from Julie Keller, Management Technology, to Elmer Akin, EPA Region IV. Review of the Revised Remedial Investigation/Feasibility Study Sampling and Analysis Plan for the Olin Corporation/McIntosh Plant Site. (April 30, 1992)

59. Memorandum from Elmer Akin, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comments on the Sampling and Analysis Plan and Preliminary Site characterization Summary Report. (April 30, 1992)

60. Memorandum from Lael Butler, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Revised Sampling and Analysis Plan. (April 30, 1992)

61. Memorandum from Winston Smith, EPA Region IV, to Joseph Franzmathes, EPA Region IV. Review of the Phase II Sampling and Analysis Plan. (May 01, 1992)

62. A memorandum from Carl Blair, Department of Health and Human Services, to Cheryl Smith, EPA Region IV. Review of Phase II Sampling and Analysis Plan. (May 04, 1992)

63. Letter from Joseph Downey, Alabama Department of Environmental Management, to Cheryl Smith, EPA Region IV. Review of the Sampling and Analysis Plan. (May 04, 1992)

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Administrative Record Index for the OLIN CORP. (MCINTOSH PLANT) NPL Site (Operable Unit #1)

3.0 REMEDIAL INVESTIGATION (RI)

3. 2 Sampling and Analysis Data

64. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration, to Cheryl Smith, EPA Region IV. Review of Revised Sampling and Analysis Plan. (May 04, 1992)

65. Memorandum from Lynn Wellman, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Revised Sampling and Analysis Plan. (May 05, 1992)

66. Letters from Cheryl Smith, EPA Region IV, to Waynon Johnson, National Oceanic and Atmospheric Administration, James Moore, Brian Hughes, Fred Harders, John Williford, and Justin Martindale, State of Alabama, Pete Douglas, US Department of the Interior . To confirm the June 10, 1993 technical meeting date. (June 04, 1992)

67. Letter from J.C. Brown, Olin Corporation, Cheryl Smith, EPA Region IV. Olin Corporation's response to EPA's comments on the revised Sampling and Analysis Plan. (June 22, 1992)

68. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Changes made to the Sampling and Analysis Plan submitted 6/25/92. (June 26, 1992)

69. Letter from Cheryl Smith, EPA Region IV, to James Lee, U.S. Department of the Interior. Request to review the Revised Sampling and Analysis Plan. (June 30, 1992)

70. Letter from Charlie Westerman and William Beal, Woodward-Clyde Consultants, to Pat Stamp, EPA Region IV - Environmental Services Division. Transmitting the CLP Data Packages related to the Domestic Wells. (July 02, 1992)

71. Letter from Larry Goldman, U.S. Department of the Interior, to Wesley Crumm, EPA Region IV. Overview of the Lower Tombigbee River/Mobile River drainage, relative to the four CERCLA sites found in the area. (July 08, 1992)

72. Letter from Fred Harders, Department of Conservation and Natural Resources, Cheryl Smith, EPA Region IV. Review of the Phase III Sampling and Analysis Plan. (July 10, 1992)

73. Memorandum from Pat Stamp, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Sampling and Analysis Plan. (July 10, 1992)

74. Letter from Rachel Cochran, PRC Environmental, to Cheryl Smith, EPA Region IV. Technical Review of the Revised Phase III Sampling Plan. (July 13, 1992)

75. Memorandum from Winston Smith, EPA Region IV, to Joseph Franzmathes, EPA Region IV. Response to 6/26/92 memorandum on the Revised Sampling and Analysis Plan for Phase III. (July 15, 1992)

76. Letter from Larry Goldman, U.S. Department of the Interior, to Cheryl Smith, EPA Region IV. Review of the Phase III Sampling and Analysis Plan. (July 16, 1992)

77. Memorandum from Julie Keller, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Phase III Sampling and Analysis Plan. (July 16, 1992)

78. A memorandum from Lael Butler, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Sampling and Analysis Plan. (July 17, 1992)

79. A memorandum from Roger Carlton, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comments on the Sampling and Analysis Plan. (July 17, 1992)

80. Letter from Joseph Downey, State of Alabama Department of environmental Management, to Cheryl Smith, EPA Region IV. Review of the Phase III Sampling and Analysis Plan. (July 17, 1992)

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Administrative Record Index for the OLIN CORP. (MCINTOSH PLANT) NPL Site (Operable Unit #1)

3.0 REMEDIAL INVESTIGATION (RI)

3. 2 Sampling and Analysis Data

81. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration, to Cheryl Smith, EPA Region IV. Review of the Phase III Sampling and Analysis Plan. (July 23, 1992)

82. Letter from William Beal and Dennis Reece, Woodward-Clyde Consultants, to J.C. Brown, Olin Corporation. Schedule of Phase III field activities. (August 04, 1992)

83. Letter from Rachel Cochran, PRC Environmental, Inc. to Cheryl Smith, EPA Region IV. Summary of Phase III Oversight Activities. (August 07, 1992)

84. Letter from William Beal and Dennis Reece, Woodward-Clyde Consultants, to Cheryl Smith, EPA Region IV. Macroinvertebrate Control Sample Location Phase III Sampling. (August 08, 1992)

85. Letter from William Beal and Dennis Reece, Woodward-Clyde Consultants, to Cheryl Smith, EPA Region IV with attached letter from Robert Baker, Layne Environmental, to William Beal, Woodward-Clyde Consultants. Regarding Phase III drilling. (August 09, 1992)

86. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Regarding agreement for Phases III Sampling. (August 10, 1992)

87. Letter from William Beal and Dennis Reece, Woodward-Clyde Consultants, to Cheryl Smith, EPA Region IV. Submittal of addendum to the Phase III Sampling and Analysis Plan for the macroinvertebrate sampling. (August 17, 1992)

88. Letter from Marie Odom, Olin Corporation, Cheryl Smith, EPA Region IV. Relocation of the Mercury Solids Waste Pile. (August 31, 1992)

89. Memorandum from Lael Butler, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Closure Sampling Requirements. (September 02, 1992)

90. Letter from William Beal and Dennis Reece, Woodward-Clyde Consultants, to Cheryl Smith, EPA Region IV. Transmittal of a summary of the OU2 sediment analyses for the Phase I and Phase II sampling activities. (September 09, 1992)

91. Memorandum from John McConney, EPA Region IV, to Cheryl Smith, EPA Region IV. Evaluation of Split Sample Data from Olin Corporation/McIntosh Plant Site. (September 23, 1992)

92. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Findings during quality assurance review of Phase I and II samples, attached 8/3/92 memorandum from Woodward-Clyde Consultants. (October 09, 1992)

93. Letter from William Beal and Dennis Reece, Woodward-Clyde Consultants, to Wade Knight, EPA Region IV. Submittal of analytical data packages for the spike, blank, and split samples for Phase III. (November 25, 1992)

3. 4 Work Plans and Progress Reports

1. "Proposed Study Plan and Investigation - Olin Corporation - McIntosh, Alabama - Olin Basin," Olin Corporation. (DATE UNKNOWN)

2. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Outline of Response to EPA Comments 4/3/91. (April 25, 1991)

3. "A Work Plan - Remedial Investigation (RI)/Feasibility Study (FS) - McIntosh Plant Site - Olin Corporation - McIntosh, Alabama," Woodward-Clyde Consultants. (May 1991)

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Administrative Record Index for the OLIN CORP. (MCINTOSH PLANT) NPL Site (Operable Unit #1)

3.0 REMEDIAL INVESTIGATION (RI)

3. 4 Work Plans and Progress Reports

4. "Sample Analysis Plan - Field Sampling Plan Volume I of II - Remedial Investigation (RI)/Feasibility Study (FS) - McIntosh Plant Site - Olin Corporation - McIntosh, Alabama," Woodward Clyde Consultants. (May 1991)

5. "Sample Analysis Plan - Quality Assurance Project Plan Volume II of II - Remedial Investigation (RI)/Feasibility Study (FS) - McIntosh Plant Site - Olin Corporation - McIntosh, Alabama," Woodward-Clyde Consultants. (May 1991)

6. Health and Safety Plan - Remedial Investigation (RI)/Feasibility Study (FS) - McIntosh Plant Site - Olin Corporation - McIntosh, Alabama, Woodward-Clyde Consultants. (May 1991)

7. Letter from Cheryl Smith, EPA Region IV, to J.C.Brown, Olin Corporation. Approval of Work Plan and Sampling and Analysis Plan and concurs with the Health and Safety Plan. (July 17, 1991)

8. Letter from Cheryl Smith, EPA Region IV, to J.C. Brown, Olin Corporation. Response to 8/6/91 technical meeting. (August 09, 1991)

9. Memorandum from Roger Carlton, EPA Region IV, to Cheryl Smith, EPA Region IV. Field technical system audit of an oversight contractor during the week of 8/19/91. (August 27, 1991)

10. "Fish Sampling Analytical Techniques - Remedial Investigation (RI)/Feasibility Study (FS) - McIntosh Plant Site - Olin Corporation - McIntosh, Alabama," Woodward-Clyde Consultants. (September 1991)

11. "Revised Sampling and Analysis Plan - Macroinvertebrate Study and Fish Sampling - Remedial Investigation (RI)/Feasibility Study (FS) - McIntosh Plant Site - Olin Corporation - McIntosh, Alabama," Woodward-Clyde Consultants. (October 1991)

12. Letter from J.C. Brown, Olin Corporation, to Kenneth Lucas, EPA Region IV. Approval of schedule change for Domestic Well Sampling. (October 28, 1991)

13. Letter from Kenneth Lucas, EPA Region IV, to J.C.Brown, Olin Corporation. Approval of schedule change in Domestic well sampling. (November 13, 1991)

14. "Field Oversight Report, Olin Corporation, McIntosh, Alabama, Volume One," Dynamac Corporation. Transmitted by a letter from David Rusher, Dynamac Corporation, to Cheryl Smith, EPA Region IV. (June 14, 1993)

15. "Field Oversight Report, Olin Corporation, McIntosh, Alabama, Volume Two, Photographic Log," Dynamac Corporation. (June 14, 1993)

3. 7 Applicable or Relevant and Appropriate Requirements (ARARs)

1. Letter from Larinda Gronner, EPA Region IV, to Colleague. (DATE UNKNOWN) Concerning the transmittal of a summary table for the Toxic Substance Spreadsheet.

2. Letter from John Poole, State of Alabama Department of Environmental Management, to W. J. Derocher, Olin Corporation. (June 24, 1987) Concerning the attached copy of the Final NPDES Modification Permit Number AL0001945.

3. Letter from John Poole, State of Alabama Department of Environmental Management, to V. M. Norwood, Olin Corporation. (July 08, 1988) Concerning the attached copy of the Final NPDES Modification Permit Number AL0001945.

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3.0 REMEDIAL INVESTIGATION (RI)

3. 8 Interim Deliverables

1. "Final Forward Planning Study Report - Olin Corporation (McIntosh Plant) Site - McIntosh, Alabama. (June 06, 1986)
2. "Investigation Report - Olin Corporation, McIntosh, Alabama - Olin Basin," Olin Chemical Corporation. (January 18, 1988) Concerning the investigation of potential releases of hazardous constituents to the Olin Basin.
3. Memorandum from Elmer Akin, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of Technical Memorandum on Hazardous Substance Indicator Parameters. (March 06, 1991)
4. Letter from Kenneth Lucas, EPA Region IV, to James Brown, Olin Corporation. Modification to the schedule to deliver the Source Evaluation Technical Memorandum. (October 31, 1991)
5. "Source Evaluation Technical Memorandum" for the Olin Corporation/McIntosh Plant Site. Prepared by Woodward-Clyde Consultants. (November 11, 1991) [Note: This document appears after the Memorandum from Ken Lucas dated Nov. 13, 1991 in the Administrative Record].
6. Memorandum from Kenneth Lucas, EPA Region IV, to Bernie Hayes, Bill Bokey, Joanne Benante, EPA Region IV. Request to review the Source Evaluation Technical Memorandum. (November 13, 1991) [Note: This Memorandum appears immediately before the "Source Evaluation Technical Memorandum" dated Nov. 11, 1991 in the Administrative Record].
7. "Hazardous Substance Indicator Parameter Technical Memorandum" for the Olin Corporation/McIntosh Plant Site. Prepared by Woodward-Clyde Consultants. (December 1991)
8. Memorandum from David Hill, EPA Region IV, to Kenneth Lucas, EPA Region IV. Review and comments on the Source Evaluation Technical Memorandum. (December 04, 1991)
9. Memorandum from Roger Carlton, EPA Region IV - Environmental Services Division, to Kenneth Lucas, EPA Region IV. Review of the Source Evaluation Technical Memorandum. (December 05, 1991)
10. Memorandum from Doug McCurry, EPA Region IV, to Kenneth Lucas, EPA Region IV. Review and comments on the Source Evaluation Technical Memorandum. (December 16, 1991)
11. Memorandum from Cheryl Smith, EPA Region IV, to Joanne Benante, Lynn Wellman, Elmer Akin and Bernie Hayes, EPA Region IV. Request to review the Hazardous Substance Indicator Parameter Technical Memorandum. (December 24, 1991)
12. Letter from Cheryl Smith, EPA Region IV, to J.C.Brown, Olin Corporation. Transmittal of EPA's comments on the Source Evaluation Technical Memorandum. (January 30, 1992)
13. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Response to EPA's comments conveyed in the 1/30/92 letter. (February 07, 1992)
14. Memorandum from Lynn Wellman, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comment on the Substance Indicator Parameter Technical Memorandum. (February 24, 1992)
15. Letter from David Rusher, Dynamac Corporation, to Cheryl Smith, EPA Region IV. PRC's Technical Review Comments on the Hazardous Substance Indicator Technical Memorandum. (March 05, 1992)
16. Letter from Cheryl Smith, EPA Region IV, to J.C. Brown, Olin Corporation. Hazardous Substance Indicator Parameter Technical Memorandum to be incorporated into the Baseline Risk Assessment. (March 30, 1992)

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3.0 REMEDIAL INVESTIGATION (RI)

3. 8 Interim Deliverables

17. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Response to EPA's comments on the Hazardous Substance Indicator Parameter Technical Memorandum. (April 01, 1992)

18. Letter from Cheryl Smith, EPA Region IV, to Jack Sulima, Dynamac Corporation. Review of the Preliminary Site Characterization Summary Report and the Sampling and Analysis Plan. (April 17, 1992)

19. A letter from Cheryl Smith, EPA Region IV, to Elmer Aiken, Lynn Wellman, EPA Region IV, Bernie Hayes, GWTSU, Van Shrieves, APTMD, Waynon Johnson, NOAA, Beverly Williams, RCRA, William Bokey and Wade Knight, ESD. Request to review the Preliminary Site Characterization Summary Report and the Sampling and Analysis Plan. (April 20, 1992)

20. A letter from Cheryl Smith, EPA Region IV, to Joseph Downey, State of Alabama Department of Environmental Management. Request to review the Preliminary Site Characterization Summary Report. (April 20, 1992)

21. A letter from Cheryl Smith, EPA Region IV, to Mr. James Moore, Geological Survey of Alabama. Request to review the Preliminary Site Characterization Summary Report and the Sampling and Analysis Plan. (April 20, 1992)

22. Letter from Cheryl Smith, EPA Region IV, to Fred Harders, Alabama Department of Conservation and Natural Resources. Requesting review of the Preliminary Site Characterization Summary Report and the Sampling and Analysis Plan. (April 20, 1992)

23. Letter from Cheryl Smith, EPA Region IV, to James Lee, U.S. Department of the Interior. Request for review of the Preliminary Site Characterization Summary Report and the Sampling and Analysis Plan. (April 20, 1992)

24. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Response to EPA's comments on the Hazardous Substance Indicator Parameter Technical Memorandum. (April 24, 1992)

25. Memorandum from Julie Keller, Management Technology, Inc., to Elmer Akin, EPA Region IV. Review and comments on the Preliminary Site Characterization Summary Report. (April 30, 1992)

26. Memorandum from John McConney, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comments on the Preliminary Site characterization Summary Report. (May 01, 1992)

27. Letter from Fred Harders, Alabama Department of Conservation and Natural Resources, to Cheryl Smith, EPA Region IV. Review and comment s on the Preliminary Site characterization Summary Report. (May 06, 1992)

28. A memorandum from Roger Carlton, EPA Region IV - Environmental Services Division, to Cheryl Smith, EPA Region IV. Review and comments on the Preliminary Site Characterization Summary Report. (May 11, 1992)

29. Memorandum from David Hill, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comments on the Preliminary Site Characterization Summary Report. (May 11, 1992)

30. Letter from David Rusher, Dynamac Corporation, to Cheryl Smith, EPA Region IV. PRC's Technical Review of the Preliminary Site characterization Summary Report. (May 13, 1992)

31. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Transmittal of the attached Candidate Technologies Technical Memorandum. (May 14, 1992)

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3.0 REMEDIAL INVESTIGATION (RI)

3. 8 Interim Deliverables

32. A memorandum from Lynn Wellman, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comment on the Preliminary Site Characterization Summary Report. (May 29, 1992)

33. Memorandum from Cheryl Smith, EPA Region IV, to Mark Meckes, Dave Hill, Beverly Williams, John Risher, Bill Bokey, EPA Region IV. Request to review the Candidate Technologies Technical Memorandum. (May 29, 1992)

34. "Exposure Assessment Technical Memorandum", Remedial Investigation/Feasibility Study, Olin Chemicals, McIntosh Plant. (June 1992)

35. Memorandum from Roger Carlton, EPA Region IV - Environmental Services Division, to Cheryl Smith, EPA Region IV. Review and comments on the Candidate Technologies Technical Memorandum. (June 10, 1992)

36. Letter from Larry Goldman, U.S. Department of the Interior, to Cheryl Smith, EPA Region IV. Review and comments on the Preliminary Site characterization Summary Report. (June 22, 1992)

37. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration, to Cheryl Smith, EPA Region IV. Review and comments on the Preliminary Site Characterization Summary Report. (June 22, 1992)

38. Memorandum from Mark Meckes, Start Team, Regional Support Unit, to Cheryl Smith, EPA Region IV. Review of the Candidate Technologies Technical Memorandum. (June 23, 1992)

39. Letter from David Rusher, Dynamac Corporation, to Cheryl Smith, EPA Region IV. Transmittal of PRC's Technical Review Comments on the Exposure Assessment Technical Memorandum. (July 06, 1992)

40. Letter from Cheryl Smith, EPA Region IV, to J.C. Brown, Olin Corporation. Transmittal of EPA's comments on the Candidate Technologies Technical Memorandum. (July 14, 1992)

41. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Transmitting the "Environmental Evaluation Technical Memorandum," Woodward-Clyde Consultants for Olin Corportation. (July 15, 1992)

42. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Response to EPA's 7/14/92 letter comments on the Candidate Technologies Technical Memorandum. (July 27, 1992)

43. Letter from Rachel Cochran, PRC Environmental Management, Inc. to Cheryl Smith, EPA Region IV. Meeting summary report held on July 27, 1992. (August 05, 1992)

44. Letter from William Beal and Dennis Reece, Woodward-Clyde Consultants, to Cheryl Smith, EPA Region IV. Transmittal of an attached addendum to the May Health and Safety Plan. (August 07, 1992)

45. A letter from Larry Goldman, U.S. Department of the Interior, to Cheryl Smith, EPA Region IV. Review of the Environmental Evaluation Technical Memorandum. (August 11, 1992)

46. Letter from David Rusher, Dynamac Corporation, to Cheryl Smith, EPA Region IV. Comments on the Environmental Evaluation Technical Memorandum. (August 11, 1992)

47. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration, to Cheryl Smith, EPA Region IV. Review and comments on the Environmental Evaluation Technical Memorandum. (August 18, 1992)

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3.0 REMEDIAL INVESTIGATION (RI)

3. 8 Interim Deliverables

48. Memorandum from Lynn Wellman, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comments on the Environmental Evaluation Technical Memorandum. (August 19, 1992)

49. "Remedial Technologies, Alternatives Screening Technical Memorandum," Woodward-Clyde Consultants for the Olin Corporation/McIntosh Plant Site. Transmitted by a letter from J. C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV, dated 10/06/92. (October 1992)

50. Memorandum from Mark Meckes, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comments on the Alternatives Screening Technical Memorandum. (November 23, 1992)

51. Memorandum from Nancy Bethune, EPA Region IV, Cheryl Smith, EPA Region IV. Review and comments on the Alternative Screening Technical Memorandum. (November 23, 1992)

52. Letter from Cheryl Smith, EPA Region IV, to J.C. Brown, Olin Corporation. Comments on the Environmental Evaluation Technical Memorandum. (November 30, 1992)

53. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Olin's response to EPA's comments on the Environmental Evaluation Technical Memorandum submitted 7/15/91. (December 14, 1992)

54. Letter from Cheryl Smith, EPA Region IV, to J.C. Brown, Olin Corporation. Comments on the Alternative Screening Technical Memorandum. (March 25, 1993)

55. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Transmittal of the attached "Transport Modeling and Potential Soil Action Levels" Report. (June 05, 1993)

56. Letter from David Rusher, Dynamac Corporation, to Ken Lucas, EPA Region IV. Transmitting the attached "Technical Review of Documents, Final Report, Potential Soil Action Levels for the Olin Corporation," PRC Environmental Management, Inc. for Dynamac Corporation. (August 27, 1993)

3.10 Remedial Investigation (RI) Reports

1. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Letter regarding Remedial Investigation/Feasibility Study Schedule. (July 17, 1992)

2. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Confirming conversation about Remedial Investigation schedule. (January 07, 1993)

3. Letter from Cheryl Smith, EPA Region IV, to Joseph Downey, EPA Region IV. Request for review and comments on the draft Remedial Investigation. (February 26, 1993)

4. Letter from Cheryl Smith, EPA Region IV, to Pete Douglas, US Fish and Wildlife Service. Request for review of the draft Remedial Investigation for Olin Corporation/McIntosh Plant Site. (February 26, 1993)

5. Letter from Cheryl Smith, EPA Region IV, to Bob Martin, Dynamac Corporation. Transmittal of draft Remedial Investigation for review by PRC Environmental, Inc. (March 04, 1993)

6. Letter from David Rusher, Dynamac Corporation, to Cheryl Smith, EPA Region IV. Transmitting the "Technical Review and Comments Report on the Draft Remedial Investigation," PRC Environmental Management, Inc. (March 16, 1993)

7. Memorandum from Mark Meckes, EPA Region IV, to Cheryl Smith, EPA Region IV. Technical Review of the draft Remedial Investigation. (March 24, 1993)

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3.0 REMEDIAL INVESTIGATION (RI)

3.10 Remedial Investigation (RI) Reports

8. Letter from Fred Harders, Alabama Department of Conservation and Natural Resources, to Cheryl Smith, EPA Region IV. Review of the draft Remedial Investigation. (March 25, 1993)

9. Memorandum from Julie Keller, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the draft Remedial Investigation including the Baseline Risk Assessment. (March 30, 1993)

10. Memorandum from Bruce Ferguson, EPA Region IV, to Cheryl Smith, EPA Region IV. Review and comments on the draft Remedial Investigation for Olin Corporation/McIntosh Plant Site. (April 07, 1993)

11. Letter from James Brown, Olin Chemicals, to Ken Lucas, EPA Region IV. Transmitting the "Remedial Investigation Report" for EPA's review and approval. (July 30, 1993)

12. Memorandum from Ken Lucas, EPA Region IV, to Elmer Akin, EPA Region IV. Transmittal of the Revised Remedial Investigation Report for the Olin McIntosh Site. (August 13, 1993)

13. Memorandum from Julie Keller, EPA Region IV, to Ken Lucas, EPA Region IV. Review of the Remedial Investigation and comments on the Risk and Human Health Aspects. (September 29, 1993)

14. Letter from Ken Lucas, EPA Region IV, to James Brown, Olin Chemicals. EPA Comments on the Remedial Investigation Report for the Olin McIntosh Plant Site. (December 06, 1993)

15. Letter from James Brown, Olin Chemicals, to Ken Lucas, EPA Region IV. Transmittal of the RI Revisions not included in the 7/30/93 document. (December 14, 1993)

16. Letter from James Brown, Olin Chemicals, to Ken Lucas, EPA Region IV. Transmittal of the revised section 6 of the Remedial Investigation Report. (December 21, 1993)

17. Memorandum from Julie Keller, EPA Region IV, to Ken Lucas, EPA Region IV. Review of the Revised Baseline Risk Assessment section of the Remedial Investigation. (January 28, 1994)

18. Letter from Ken Lucas, EPA Region IV, to James Brown, Olin Chemicals. Approval of the Remedial Investigation. (February 23, 1994)

3.11 Health Assessments

1. "Preliminary Health Assessment for Olin Corporation - McIntosh, Washington County, Alabama," Agency for Toxic Substances and Disease Registry. (January 19, 1989)

2. "Public Health Assessment for Olin Corporation/McIntosh Plant, McIntosh, Washington County, Alabama," Agency for Toxic Substances and Disease Registry (ATSDR). (March 03, 1994)

3. Letter from Carl Balir, EPA Region IV to Kenneth Lucas, EPA Region IV. (March 10, 1994) Concerning Public Health Assessment.

3.12 Endangerment Assessments

1. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Response to EPA's comments on Olin's 11/89 Risk Assessment. (March 10, 1991)

2. "Technical Review Comments on the Exposure Assessment Technical Memorandum" Prepared by PRC Environmental Management, Inc. on the Exposure Assessment Technical Memorandum by Woodward-Clyde Consultants. (June 1992)

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3.0 REMEDIAL INVESTIGATION (RI)

3.12 Endangerment Assessments

3. Memorandum from Julie Keller, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Exposure Assessment Technical Memorandum. (July 10, 1992)

4. Letter from Cheryl Smith, EPA Region IV, to J.C. Brown, Olin Corporation. Comments on the Exposure Assessment Technical Memorandum. (August 11, 1992)

5. Memorandum from Julie Keller, EPA Region IV, Cheryl Smith, EPA Region IV. Review of Olin's Responses to EPA's comments on the Exposure Assessment Technical Memorandum. (September 23, 1992)

6. Cross Reference: Letter from James Brown, Olin Chemicals, to Ken Lucas, EPA Region IV. Transmittal of the revised section 6 of the Remedial Investigation Report. (December 21, 1993) [Filed and cited in Entry Number 16 of 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]

7. Cross Reference: Memorandum from Julie Keller, EPA Region IV, to Ken Lucas, EPA Region IV. Review of the Revised Baseline Risk Assessment section of the Remedial Investigation. (January 28, 1994) [Filed and cited in Entry Number 17 of 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]

4.0 FEASIBILITY STUDY (FS)

4. 4 Work Plans and Progress Reports

1. Cross Reference: "A Work Plan - Remedial Investigation (RI)/Feasibility Study (FS) - McIntosh Plant Site - Olin Corporation - McIntosh, Alabama," Woodward-Clyde Consultants. (May 1991) [Filed and cited in Entry Number 3 of 3. 4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports]

4. 8 Interim Deliverables

1. Memorandum from David Hill, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Remedial Action Objectives Technical Memorandum. (May 20, 1992)

2. Memorandum from Elmer Akins, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Remedial Action Objectives Technical Memorandum. (June 10, 1992)

3. Memorandum from Julie Keller, Management Technology, to Elmer Akin, EPA Region IV. Review of the Revised Remedial Action Objectives Technical Memorandum for the Olin Corporation/McIntosh Plant Site. (June 11, 1992)

4. Letter from Cheryl Smith, EPA Region IV, to J.C. Brown, Olin Corporation. Comments on the EPA's review of the Remedial Action Objectives Technical Memorandum. (June 15, 1992)

5. Letter from Joseph Downey, State of Alabama Department of Environmental Management, to Cheryl Smith, EPA Region IV. Review of the Remedial Action Objectives Technical Memorandum. (July 01, 1992)

6. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Response to EPA's comments on the Remedial Action Objectives Technical Memorandum. (July 08, 1992)

7. Letter from J. C. Brown, Olin Chemicals, to Cheryl Smith, EPA Region IV. Transmittal of the Remedial technologies, Alternative Screening Technical Memorandum. (October 06, 1992)

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4.0 FEASIBILITY STUDY (FS)

4. 8 Interim Deliverables

8. Remedial Technologies, Alternatives Screening Technical Memorandum, Remedial Investigation (RI)/Feasibility Study (FS), McIntosh Plant Site, Olin Corporation, McIntosh, Alabama. (October 06, 1992)

4. 9 Feasibility Study (FS) Reports

1. Letter from J.C. Brown, Olin Corporation, to Cheryl Smith, EPA Region IV. Regarding submittal of draft Feasibility Study. (May 05, 1993)
2. Letter from Cheryl Smith, EPA Region IV, to Joseph Downey, Alabama Department of Environmental Management and James Moore, Geological Survey of Alabama. Request to review the draft Feasibility Study. (May 07, 1993)
3. Letter from William A. Beal and Dennis Reece, Woodward-Clyde Consultants, to Waynon Johnson, EPA Region IV. (May 13, 1993) Transmitting a copy of the Draft Feasibility Study Report.
4. Letter from Cheryl Smith, EPA Region IV, to J.C. Brown, Olin Corporation. Request for submission of soil action levels to be used in review of the the Feasibility Study. (May 17, 1993)
5. Letter from David Rusher, Dynamac Corporation, to Cheryl Smith, EPA Region IV. Submittal of the Technical Review and Comments Report prepared by PRC Environmental, Inc. on the draft Feasibility Study. (June 03, 1993)
6. Technical Review Memorandum from Lael Butler, EPA Region IV, to Cheryl Smith, EPA Region IV. Review of the Draft Feasibility Study Report for Olin McIntosh Plant Site. (June 04, 1993)
7. Memorandum from Mark Meckes, EPA Region IV, to Cheryl Smith, EPA Region IV. Technical Review of the Draft Feasibility Study Report for the Olin McIntosh Plant Site. (June 11, 1993)
8. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration (NOAA), to Cheryl Smith, EPA Region IV. Review of the Draft Feasibility Study Report for the Olin McIntosh Site. (June 16, 1993)
9. Letter from James Brown, Olin Chemicals, to Ken Lucas, EPA Region IV. Response to EPA's disapproval of the Draft Feasibility Study Report and the Final Report of the Potential Soil Action Levels for the Olin McIntosh Plant Site. (September 21, 1993)
10. Letter from James Brown, Olin Chemicals, to Ken Lucas, EPA Region IV. Agreements reached at the September 28,1993 Meeting which addressed the Dispute Resolution Process, Draft Feasibility Study Report, Final Report on the Potential Soil Clean Up Levels for the Olin McIntosh Site. (September 30, 1993)
11. Letter from James Brown, Olin Chemicals, to Ken Lucas, EPA Region IV. Transmittal of the Feasibility Study Report for review and approval. (October 21, 1993)
12. Letter from J. C. Brown, Olin Chemicals, to Ken Lucas, EPA Region IV. Revised Section 6 of the Remedial Investigation Report. (December 21, 1993)
13. Letter from Ken Lucas, EPA Region IV, to James Brown, Olin Chemicals. EPA comments on the Feasibility Study Report and the Revised Risk Assessment for the Olin McIntosh Site. (February 01, 1994)
14. Letter from Ken Lucas, EPA Region IV, to James Brown, Olin Chemicals. Additional comments on the Feasibility Study Report for the Olin Chemical Company, McIntosh, Alabama site. (February 17, 1994)

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4.0 FEASIBILITY STUDY (FS)

4. 9 Feasibility Study (FS) Reports

15. Letter from James Brown, Olin Chemicals, to Ken Lucas, EPA Region IV. Transmittal of the Addendum to the Feasibility Study Report. (February 21, 1994)

4.10 Proposed Plans for Selected Remedial Action

1. "Superfund Proposed Plan Fact Sheet, Olin Corp. (McIntosh Plant) Site, (Operable Unit One), McIntosh, Alabama". (February 28, 1994)
2. Letter from J.C. Brown, Olin Corporation to Kenneth Lucas, EPA Region IV. (March 30, 1994) Concerning Comments on OU-1 Proposed Plan for Remedial Action.

5.0 RECORD OF DECISION (ROD)

5. 9 Record of Decision (ROD)

1. Letter from Kenneth Lucas, EPA Region IV to Justin Martindale, State of Alabama Department of Environmental Management. (April 01, 1994) Concerning Draft Record of Decision.
2. Letter from James Warr, State of Alabama Department of Environmental Management to John Hankinson, EPA Region IV. (May 03, 1994) Relating Concerns Pertaining to Record of Decision (ROD).
3. Letter from Kenneth Lucas, EPA Region IV to Justin Martindale, State of Alabama Department of Environmental Management. (May 12, 1994) Concerning Discrepancy in Draft Record of Decision (ROD).
4. Letter From James Bryant, State of Alabama Department of Environmental Management to Arthur Collins, EPA Region IV. (May 16, 1994) Concerning Recommendations Regarding Draft Record of Decision (ROD).
5. Letter from James Warr, State of Alabama Department of Environmental Management to Joseph Franzmathes, EPA Region IV. (May 27, 1994) Concerning State of Alabama Department of Environmental Management's Desire to Keep Remedial Action Under RCRA Supervision.
6. Letter From Arthur Collins, EPA Region IV to James Bryant, State of Alabama Department of Environmental Management. (May 31, 1994) Relating EPA's Response to ADEM's Recommendations Regarding Draft Record of Decision (ROD).
7. Letter From John Hankinson, EPA Region IV to James Warr, State of Alabama Department of Environmental Management. (December 12, 1994) Relating EPA's Response to ADEM's Desire to Have Site Managed by RCRA.
8. "Record of Decision, Summary of Remedial Alternative Selection, Olin Corp. (McIntosh Plant) Site, Operable Unit One, McIntosh, McIntosh County, Alabama," EPA Region IV. (December 16, 1994)

10.0 ENFORCEMENT

10.11 EPA Administrative Orders

1. Administrative Order by Consent for Remedial Investigation Feasibility Study, In the Matter of Olin Chemicals McIntosh Plant, Olin Corporation, Stamford, Connecticut, Respondent, EPA Docket No.:90-13-C. (May 07, 1990)

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11.0 POTENTIALLY RESPONSIBLE PARTIES (PRP)

11. 9 PRP-Specific Correspondence

1. Letter from Kathy Urbach, EPA Region IV, to Arthur Rheingold, Olin Corporation. Confirming telephone conversation regarding RI/FS diskette. (May 28, 1993)
2. Letter from William Beal and Dennis Reece, Woodward-Clyde Consultants, to Cheryl Smith, EPA Region IV. Transmittal of diskette containing the draft Remedial Investigation and draft Feasibility Study. (June 07, 1993)

13.0 COMMUNITY RELATIONS

13. 6 Community Relations Plans

1. "Community Relations Plan - Olin Corporation Superfund Site - McIntosh, Washington County, Alabama," EPA Region IV. (April 1991)

13. 7 News Clippings and Press Releases

1. "Environmental News - Agreement Reached to Study Contamination at Olin Corporation/McIntosh Plant Superfund Site in McIntosh, Alabama," EPA Region IV. (May 10, 1990)
2. "ADEM expanding river fish testing", Mobile Press Register. (December 1991)
3. "ADEM encouraged by Fish Tissue Sampling", Staff Reporter for ADEM Environmental Update, Issue No. 15. (January 1992)

13. 9 Fact Sheets

1. Cross Reference: "Superfund Proposed Plan Fact Sheet, Olin Corp. (McIntosh Plant) Site, (Operable Unit One), McIntosh, Alabama". (February 28, 1994) [Filed and cited in Entry Number 1 of 4.10 FEASIBILITY STUDY (FS) - Proposed Plans for Selected Remedial Action]

13.10 Technical Assistance Grants

1. "EPA Announces Receipt of Five Letters of Intent for Technical Assistance Grant (TAG) Applications," EPA Region IV. (May 10, 1991)

16.0 NATURAL RESOURCE TRUSTEE

16. 1 Correspondence

1. Memorandum from Ernest Douglas, U.S. Fish and Wildlife Service, to Larry Goldman, U.S. Fish and Wildlife Service. (May 22, 1990) Concerning the transmittal of the attached results of mercury analyses of fish and sediment samples collected from the Tombigbee River near the Olin Corporation/McIntosh Plant Site.

16. 5 Technical Issue Papers

1. "Preliminary Natural Resource Survey - Olin Corporation - McIntosh, Alabama," U.S. Fish and Wildlife Service. (November 1986)

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17.0 SITE MANAGEMENT RECORDS

17. 7 Reference Documents

1. A letter from J C Brown, Olin Chemicals, to Alan Farmer and Ken Lucas, EPA Region IV. Transmittal of the the Clean Closure Equivalency Demonstration for the Olin Corporation/McIntosh Plant Site. (September 30, 1993)
2. Clean Closure Equivalency Demonstrations, McIntosh Plant Site, Olin Corporation, Mcintosh, Alabama. Prepared for Olin Corporation, Charlestown, Tennessee. Prepared by Woodward-Clyde Consultants. (September 30, 1993)
3. A memorandum from Lael Butler, EPA Region IV, to Ken Lucas, EPA Region IV. Concerning the Clean Closure Equivalency Demonstration. (December 21, 1993)
4. Letter from Joseph Franzmathes, EPA Region IV, to James Brown, Olin Chemicals. Review of the Clean Closure Equivalency Demonstration. (December 21, 1993)

20.0 RESOURCE CONSERVATION & RECOVERY ACT (RCRA) RECORDS

20. 4 RCRA Facility Inspection Reports

1. Letter from J. C. Brown, Olin Chemicals to James Kutzman, EPA Region IV. Comments on final RCRA Facility Assessment Report. (December 01, 1991)
2. A letter from Alan Farmer, Waste Management Division, to James Brown, Olin Chemical Corporation. Request for comments on the RCRA Facilities Assessment Report. (February 04, 1992)