ADMINISTRATIVE RECORD INDEX

for the

STAUFFER CHEM CO COLD CREEK PLANT OPERABLE UNIT 3 NPL Site

Vol. 1

3.0 REMEDIAL INVESTIGATION (RI)

3.1 Correspondence

0001-1. Letter from James McGuire, EPA Region IV, to Mariam Tehrani, Akzo Chemicals Inc. (May 4, 1990). Concerning transmittal of attached Statement of Work for Operable Unit 3.

0034-2. Letter from James McGuire, EPA Region IV, to Mariam Tehrani, Akzo Chemicals Inc. (September 12, 1991). Concerning September 6, 1991, meeting summary.

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 Stauffer Chemical Company Superfund sites, Operable Unit 3, Region IV, U.S. EPA, 345 Courtland Street, Atlanta, Georgia 30365.

2. Cross-Reference: "Stage I Findings; Supplemental Remedial Investigation/ Feasibility Study; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile County, Alabama," EA (May 1991). [Filed and cited as entry number 6 in 3.8 REMEDIAL INVESTIGATION (RI) - Interim Deliverables]

3. Cross-Reference: "Draft - Final; Stage II Findings and Recommendations for Stage III Field Activities; Supplemental Remedial Investigation/ Feasibility Study; Cold Creek Swamp Operable Unit; Cold Creek/ LeMoyne Superfund Sites; Mobile County, Alabama," EA (August 1991). [Filed and cited as entry number 7 in 3.8 REMEDIAL INVESTIGATION (RI) - Interim Deliverables]

3.2 Sampling and Analysis Data (cont'd.)

4. Cross-Reference: "Final Report Prepared for Cold Creek Swamp Stage 3; Volume I; Results Summary for Methyl Mercuric Chloride Analysis; 484405," IT Analytical Services (October 31, 1991). [Filed and cited as entry number 9 in 3.8 REMEDIAL INVESTIGATION (RI) - Interim Deliverables]

5. Cross-Reference: "Final Report Prepared for Cold Creek Swamp Stage 3; Volume II; Initial Calibration Chromatograms; Continuing Calibration Chromatograms; Methyl Mercuric Chloride Data; 484405," IT Analytical Services (October 31, 1991). [Filed and cited as entry number 10 in 3.8 REMEDIAL INVESTIGATION (RI) - Interim Deliverables]

3.4 Work Plans and Progress Reports

0049- 1. "Bioaccumulation Study Work Plan for Akzo Chemical Inc.; Axis, Alabama," BCM Converse Inc. (October 1988). Concerning work plan for study of bioaccumulation in Cold Creek Swamp.

0064- 2. Letter from James McGuire, EPA Region IV, to Mariam Tehrani, Akzo Chemicals Inc. (October 26, 1990). Concerning transmittal of attached compiled comments to the Remedial Investigation Work Plan.

0079- 3. Letter from James McGuire, EPA Region IV, to Mariam Tehrani, Akzo Chemicals Inc. (December 19, 1990). Concerning conditional approval and transmittal of attached compiled comments to the Remedial Investigation Work Plan.

0086- 4. "Final Quality Assurance Project Plan for Supplemental Remedial Investigation/Feasibility Study; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile County, Alabama," EA (January 16, 1991). Concerning final revision of document originally dated December 1990.

0235- 5. "Addendum to Quality Assurance Project Plan for Supplemental RI/FS; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites," EA (January 16, 1991). Concerning final revision of document originally dated December 1990.

VOL. 2 3.4 Work Plans and Progress Reports (cont'd.)

0400- 6. "Final Site Health and Safety Plan for Supplemental Remedial Investigation/Feasibility Study; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile County, Alabama," EA (January 16, 1991). Concerning final revision of document originally dated December 1990.

0485- 7. Letter from Mariam Tehrani, Akzo Chemicals Inc., to James McGuire, EPA Region IV (January 24, 1991). Concerning transmittal of attached responses to comments and revision pages for the Remedial Investigation Work Plans.

0518- 8. "Final Work Plan/Sampling and Analysis Plan for Supplemental Remedial Investigation/Feasibility Study; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile County, Alabama," EA (May 10, 1991). Concerning final revision of document originally dated December 1990.

0748- 9. Letter from James McGuire, EPA Region IV, to Mariam Tehrani, Akzo Chemicals Inc. (May 21, 1991). Concerning transmittal of attached compiled comments to the Cold Creek Swamp Stage II Work Plan.

0752- 10. Letter from James McGuire, EPA Region IV, to Mariam Tehrani, Akzo Chemicals Inc. (May 30, 1991). Concerning approval of the revised Cold Creek Swamp Stage II Work Plan.

0755- 11. Letter from Gregory Johnson and James Zarzycki, EA, to James McGuire, EPA Region IV (September 23, 1991). Concerning transmittal of revision pages for the Stage III Work Plan.

0779- 12. Letter from James McGuire, EPA Region IV, to Mariam Tehrani, Akzo Chemicals Inc. (October 4, 1991). Concerning compiled comments to the Cold Creek Swamp Stage III Work Plan.

0782- 13. Letter of Transmittal from Gregory Johnson, EA, to James McGuire, EPA Region IV (October 4, 1991). Concerning transmittal of revision pages for the Stage III Work Plan.

0810- 14. Letter from Gregory Johnson and James Zarzycki, EA, to James McGuire, EPA Region IV (October 4, 1991). Concerning responses to final review comments.

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

0819- 15. Letter from James McGuire, EPA Region IV, to Mariam Tehrani, Akzo Chemicals Inc. (October 7, 1991). Concerning approval of the revised Cold Creek Swamp Stage III Work Plan.

VOL. 3 3.8 Interim Deliverables

0828- 1. "Heavy Metal Levels in Cold Creek Swamp Biota," BCM Engineers Inc. (June 1989). Concerning study of bioaccumulation in Cold Creek Swamp.

0867- 2. Letter from Richard Halstead, Akzo Chemicals Inc., to Diane Scott, EPA Region IV (June 30, 1989). Concerning transmittal of "Heavy Metal Levels in Cold Creek Swamp Biota," BCM Engineers Inc.

0869- 3. Letter from Diane Scott, EPA Region IV, to James Hathcock, State of Alabama Department of Environmental Management (August 14, 1989). Concerning request for review of "Heavy Metal Levels in Cold Creek Swamp Biota," BCM Engineers Inc.

0871- 4. Letter from Larry Goldman, US Fish and Wildlife Service, to Don Schultz, EPA Region IV (May 3, 1990). Concerning comments to the Cold Creek Swamp Biota study.

0875- 5. Letter from James McGuire, EPA Region IV, to Mariam Tehrani, Akzo Chemicals Inc. (May 18, 1990). Concerning transmittal of comments from the US Fish and Wildlife Service to the Cold Creek Swamp Biota study.

0877- 6. "Stage I Findings; Supplemental Remedial Investigation/ Feasibility Study; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile County, Alabama," EA (May 1991).

0974- 7. "Draft - Final; Stage II Findings and Recommendations for Stage III Field Activities; Supplemental Remedial Investigation/ Feasibility Study; Cold Creek Swamp Operable Unit; Cold Creek/ LeMoyne Superfund Sites; Mobile County, Alabama," EA (August 1991).

1073- 8. Letter from James Zarzycki, EA, to James McGuire, EPA Region IV (August 9, 1991). Concerning transmittal of attached technical memorandum on environmental risk of thiocarbamates.

3.8 Interim Deliverables (cont'd.)

1113-9. "Final Report Prepared for Cold Creek Swamp Stage 3; Volume I; Results Summary for Methyl Mercuric Chloride Analysis; 484405," IT Analytical Services (October 31, 1991).

1145-10. "Final Report Prepared for Cold Creek Swamp Stage 3; Volume II; Initial Calibration Chromatograms; Continuing Calibration Chromatograms; Methyl Mercuric Chloride Data; 484405," IT Analytical Services (October 31, 1991).

VOL. 4 3.10 Remedial Investigation (RI) Reports

0001- 1. Letter from James Lee, US Department of the Interior, to Kenneth Lucas, EPA Region IV (March 27, 1992). Concerning comments to the Remedial Investigation report to be offered by US Fish and Wildlife Service.

0003- 2. Letter from Larry Goldman, US Fish and Wildlife Service, to Kenneth Lucas, EPA Region IV (April 20, 1992). Concerning comments to the draft Remedial Investigation Report.

0009- 3. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration (NOAA), to Ken Lucas, EPA Region IV (April 22, 1992). Concerning comments to the draft Remedial Investigation Report.

0013- 4. Letter from Joanne Benante, EPA Region IV, to James Zarzycki, EA (May 5, 1992). Concerning transmittal of attached comments to the draft Remedial Investigation Report and need for a Feasibility Study report.

0027 - 5. "Final Remedial Investigation Report; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile County, Alabama; Volume I; Remedial Investigation Report," EA (June 1992).

0406 - 6. "Final Remedial Investigation Report; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile County, Alabama; Volume II; Appendices to the Remedial Investigation Report," EA (June 1992).

VOL. 5 0943 - 7. Letter from Joanne Benante, EPA Region IV, to James Zarzycki, EA (July 20, 1992). Concerning approval with caveat to the Remedial Investigation Report.

0948- 8. Memorandum from Joanne Benante, EPA Region IV, to File (December 10, 1992). Concerning Remedial Investigation Report Caveat.

3.11 Health Assessments

0953- 1. Memorandum from Brian Hughes, Alabama Department of Public Health, to Bert Eichold II, MD, Alabama Department of Public Health (May 7, 1992). Concerning notification of mercury contamination in Cold Creek Swamp fish uncovered during the Remedial Investigation carried out by EPA Region IV.

0956- 2. Memorandum from Joanne Benante, EPA Region IV, to Doug Mundrick, EPA Region IV (May 28, 1992). Concerning fish consumption advisory at Cold Creek Swamp.

3. Cross-Reference: Letter from Larry Goldman, US Fish and Wildlife Service, to Wesley Crum, EPA Region IV (July 8, 1992). Concerning involvement of the US Fish and Wildlife Service in Lower Tombigbee River/Mobile River drainage relative to four National Priorities List (NPL) sites located there. [Filed and cited as entry number 4 in 16.1 NATURAL RESOURCE TRUSTEE - Correspondence]

3.12 Endangerment Assessments

0964- 1. Documents relating to the Risk Assessment will be found in 3.10 Remedial Investigation - Remedial Investigation Reports (DATE UNKNOWN).

4.0 FEASIBILITY STUDY (FS)

4.1 Correspondence

1. Cross-Reference: Letter from Joanne Benante, EPA Region IV, to James Zarzycki, EA (May 5, 1992). Concerning transmittal of attached comments to the draft Remedial Investigation Report and need for a Feasibility Study report. [Filed and cited as entry number 4 in 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]

4.9 Feasibility Study (FS) Reports

0971- 1. Letter from Joe Downey, State of Alabama Department of Environmental Management, to Joanne Benante, EPA Region IV (October 7, 1992). Concerning comments to the draft Feasibility Study Report.

0976- 2. Letter from Fred Harders, Alabama Department of Conservation and Natural Resources, Game and Fish Division, to Joanne Benante, EPA Region IV (October 7, 1992). Concerning comments to the draft Feasibility Study Report.

4.9 Feasibility Study (FS) Reports (cont'd.)

0978- 3. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration (NOAA), to Joanne Benante, EPA Region IV (October 23, 1992). Concerning comments to the draft Feasibility Study Report.

0984- 4. Letter from Joanne Benante, EPA Region IV, to James Zarzycki, EA (October 28, 1992). Concerning compiled comments to the draft Feasibility Study Report.

0997- 5. Letter from James Lee, US Department of the Interior, to Joanne Benante, EPA Region IV (November 6, 1992). Concerning comments to the draft Feasibility Study Report.

1007- 6. "Revised; Feasibility Study Report; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile, Alabama," EA (December 1992). Includes revised pages dated January 29, 1993.

1241- 7. Letter from Joseph Downey, State of Alabama Department of Environmental Management, to Joanne Benante, EPA Region IV (January 5, 1993). Concerning comments to the revised Feasibility Study Report.

1244- 8. "Draft; Addendum; Feasibility Study; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile, Alabama," EA (March 1993).

1355- 9. "Addendum to Feasibility Study; Cold Creek Swamp Operable Unit; Cold Creek/LeMoyne Superfund Sites; Mobile, Alabama; Appendix A; Preliminary Net Environmental Benefits Analysis for Cold Creek Swamp," ENTRIX, Inc. (March 26, 1993). Concerning evaluation of ecological impacts associated with proposed remediation alternatives.

1400- 10. Letter from Fred Harders, Alabama Department of Conservation and Natural Resources, Game and Fish Division, to Joanne Benante, EPA Region IV (April 13, 1993). Concerning comments to the draft Addendum to the Feasibility Study Report.

1403- 11. Letter from Joseph Downey, State of Alabama Department of Environmental Management, to Joanne Benante, EPA Region IV (May 11, 1993). Concerning comments to the draft Addendum to the Feasibility Study Report.

1405- 12. Memorandum from Joanne Benante, EPA Region IV, to File (June 3, 1993). Concerning Feasibility Study Report Caveat.

4.9 Feasibility Study (FS) Reports (cont'd.)

1409- 13. Memorandum from Joanne Benante, EPA Region IV, to File (June 3, 1993). Concerning irrelevancy of Preliminary Net Environmental Benefit Analysis, dated March 26, 1993, submitted as part of the Feasibility Study Report Addendum, to the remedy selection.

1411- 14. Memorandum from Joanne Benante, EPA Region IV, to File (June 8, 1993). Designates documents that fulfill or will fulfill requirements for 40 CFR Part 6, Appendix A, entitled Statement of Procedures on Floodplain Management and Wetland Protection.

VOL. 6 4.10 Proposed Plans for Selected Remedial Action

1420- 1. "United States Environmental Protection Agency; Superfund Proposed Plan Fact Sheet; Stauffer Chemical Superfund Sites; Cold Creek Swamp; Mobile County, Alabama," EPA Region IV (June 1993).

1440- 2. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration (NOAA), to Joanne Benante, EPA Region IV (June 4, 1993). Commenting on the Proposed Plan.

1447- 3. Letter from James Lee, US Department of the Interior, to Joanne Benante, EPA Region IV (June 4, 1993). Commenting on the Proposed Plan.

1450- 4. Comments from attendees of the public meeting held June 29, 1993 and received between June 29 and August 16, 1993, commenting on the Proposed Plan (June 29, 1993).

1459- 5. Letter from John Grogan, Alabama Power, to Betty Winter, EPA Region IV (July 8, 1993). Concerning discussion of request to extend the public comment period.

1461- 6. Letter from James Lee, US Department of the Interior, to Joanne Benante, EPA Region IV (July 30, 1993). Transmitting attached comments of US Fish and Wildlife Service to the Proposed Plan.

1466- 7. Letter from Willard Bowers, Alabama Power, to Betty Winter, EPA Region IV (August 4, 1993). Concerning discussion of request to extend the public comment period.

1468- 8. Letter from Willard Bowers, Alabama Power, to Joanne Benante, EPA Region IV (August 12, 1993). Commenting on the Proposed Plan.

4.10 Proposed Plans for Selected Remedial Action (cont'd.)

1478- 9. Letter from JH Zarzycki, EA for Akzo and Zeneca, to Joanne Benante, EPA Region IV (August 12, 1993). Commenting on the Proposed Plan.

5.0 RECORD OF DECISION (ROD)

5.9 Record of Decision (ROD)

1527- 1. Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration (NOAA), to Joanne Benante, EPA Region IV (July 26, 1993). Commenting on the Record of Decision (ROD).

1532- 2. "Record of Decision; Summary of Remedial Alternative Selection; Stauffer Chemical (LeMoyne Plant) Superfund Site; Stauffer Chemical (Cold Creek) Superfund Site; Operable Unit #3-Cold Creek Swamp; Mobile County, Alabama," EPA Region IV (September 17, 1993).

13.0 COMMUNITY RELATIONS

13.7 News Clippings and Press Releases

1754- 1. "EPA Open House -- February 6, 1991; The United States Environmental Protection Agency Announces Continuation of Studies at the Stauffer Chemical Superfund Sites; Mobile County, Alabama," Mobile Press Register (January 31, 1991).

1756- 2. "EPA Public Meeting/Comment Period," EPA Region IV (June 11, 1993). Announcing a public comment period on the Proposed Plan to run from June 15 through July 14, 1993; published June 15 and June 24, 1993.

1758- 3. "EPA Extends Public Comment Period on Proposed Superfund Cleanup," EPA Region IV (July 12, 1993). Announcing the extension of the public comment period to August 13, 1993; published July 16 and July 19, 1993.

13.8 Public Meetings

1761- 1. "Public Meeting To Discuss the Proposed Plan for the Stauffer Sites," EPA Region IV (June 29, 1993).

13.9 Fact Sheets

1868- 1. "Superfund Remedial Investigation/Feasibility Study Fact Sheet; Stauffer Chemical Superfund Sites; Cold Creek Swamp; Mobile County, Alabama," EPA Region IV (January 1991).

13.10 Technical Assistance Grants

1878- 1. Letter from Don Tolbert, LeMoyne Community Advisory Panel, to Betty Winter, EPA Region IV (July 23, 1993). Request to delay a remedy decision until a Technical Assistance Grant (TAG) is obtained.

1880- 2. Letter from Joanne Benante, EPA Region IV, to Don Tolbert, LeMoyne Community Advisory Panel (July 28, 1993). Response to request to delay a remedy decision until a Technical Assistance Grant (TAG) is obtained.

1883- 3. Letter from Don Tolbert, LeMoyne Community Advisory Panel, to Betty Winter, EPA Region IV (August 3, 1993). Request to delay a remedy decision until a Technical Assistance Grant (TAG) is obtained.

1885- 4. Letter from Arthur Collins, EPA Region IV, to Don Tolbert, LeMoyne Community Advisory Panel (August 11, 1993). Response to request to delay a remedy decision until a Technical Assistance Grant (TAG) is obtained.

1889- 5. Letter from Don Tolbert, LeMoyne Community Advisory Panel, to Betty Winter, EPA Region IV (August 12, 1993). Request to delay a remedy decision until a Technical Assistance Grant (TAG) is obtained.

16.0 NATURAL RESOURCE TRUSTEE

16.1 Correspondence

1. Cross-Reference: Letter from James Lee, US Department of the Interior, to Kenneth Lucas, EPA Region IV (March 27, 1992). Concerning comments to the Remedial Investigation report to be offered by US Fish and Wildlife Service. [Filed and cited as entry number 1 in 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]

2. Cross-Reference: Letter from Larry Goldman, US Fish and Wildlife Service, to Kenneth Lucas, EPA Region IV (April 20, 1992). Concerning comments to the draft Remedial Investigation Report. [Filed and cited as entry number 2 in 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]

16.0 NATURAL RESOURCE TRUSTEE

16.1 Correspondence (cont'd.)

3. Cross-Reference: Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration (NOAA), to Ken Lucas, EPA Region IV (April 22, 1992). Concerning comments to the draft Remedial Investigation Report. [Filed and cited as entry number 3 in 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]

1899-4. Letter from Larry Goldman, US Fish and Wildlife Service, to Wesley Crum, EPA Region IV (July 8, 1992). Concerning involvement of the US Fish and Wildlife Service in Lower Tombigbee River/Mobile River drainage relative to four National Priorities List (NPL) sites located there.

5. Cross-Reference: Letter from Fred Harders, Alabama Department of Conservation and Natural Resources, Game and Fish Division, to Joanne Benante, EPA Region IV (October 7, 1992). Concerning comments to the draft Feasibility Study Report. [Filed and cited as entry number 2 in 4.9 FEASIBILITY STUDY (FS) - Feasibility Study (FS) Reports]

6. Cross-Reference: Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration (NOAA), to Joanne Benante, EPA Region IV (October 23, 1992). Concerning comments to the draft Feasibility Study Report. [Filed and cited as entry number 3 in 4.9 FEASIBILITY STUDY (FS) - Feasibility Study (FS) Reports]

7. Cross-Reference: Letter from James Lee, US Department of the Interior, to Joanne Benante, EPA Region IV (November 6, 1992). Concerning comments to the draft Feasibility Study Report. [Filed and cited as entry number 5 in 4.9 FEASIBILITY STUDY (FS) - Feasibility Study (FS) Reports]

8. Cross-Reference: Letter from Fred Harders, Alabama Department of Conservation and Natural Resources, Game and Fish Division, to Joanne Benante, EPA Region IV (April 13, 1993). Concerning comments to the draft Addendum to the Feasibility Study Report. [Filed and cited as entry number 10 in 4.9 FEASIBILITY STUDY (FS) - Feasibility Study (FS) Reports]

16.0 NATURAL RESOURCE TRUSTEE

16.1 Correspondence (cont'd.)

9. Cross-Reference: Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration (NOAA), to Joanne Benante, EPA Region IV (June 4, 1993). Commenting on the Proposed Plan. [Filed and cited as entry number 2 in 4.10 FEASIBILITY STUDY (FS) - Proposed Plans for Selected Remedial Action]

10. Cross-Reference: Letter from James Lee, US Department of the Interior, to Joanne Benante, EPA Region IV (June 4, 1993). Commenting on the Proposed Plan. [Filed and cited as entry number 3 in 4.10 FEASIBILITY STUDY (FS) - Proposed Plans for Selected Remedial Action]

11. Cross-Reference: Memorandum from Waynon Johnson, National Oceanic and Atmospheric Administration (NOAA), to Joanne Benante, EPA Region IV (July 26, 1993). Commenting on the Record of Decision (ROD). [Filed and cited as entry number 1 in 5.9 RECORD OF DECISION (ROD) - Record of Decision (ROD)]

12. Cross-Reference: Letter from James Lee, US Department of the Interior, to Joanne Benante, EPA Region IV (July 30, 1993). Transmitting attached comments of US Fish and Wildlife Service to the Proposed Plan. [Filed and cited as entry number 6 in 4.10 FEASIBILITY STUDY (FS) - Proposed Plans for Selected Remedial Action]

16.5 Technical Issue Papers

1920-1. Letter from Robert Pavia, National Oceanic and Atmospheric Administration (NOAA), to Matthew Robbins, EPA Region IV (August 29, 1990). Concerning transmittal of attached Preliminary Natural Resource Survey.