

TYBOUT'S CORNER LANDFILL
EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD)
ADDENDUM TO THE ADMINISTRATIVE RECORD FILE *
INDEX OF DOCUMENTS

1. Report: Tybout's Corner Landfill Remedial Design/Remedial Action Site Health and Safety Plan, prepared by DPL Consultants, 2/90. P. 000001-000054.
2. Report: Tybout's Corner Landfill Remedial Design/Remedial Action Field Sampling Plan, prepared by DPL Consultants, 2/90. P. 000055-000153.
3. Report: Quality Assurance Project Plan, prepared by DPL Consultants, 2/90. P. 000154-000644.
4. Letter to Mr. Peter Ludzia, U.S. EPA, from Mr. S.A. LaRocca, Tybouts Corner Landfill Site Trust Fund, re: Annual Monitoring Reports, 4/19/90. P. 000645-000652. The following are attached:
 - a) a letter regarding Annual Monitoring Report data;
 - b) a memorandum regarding site reconnaissance for establishing health and safety concerns;
 - c) a Daily Health and Safety Report Data Sheet;
 - d) an HNu Calibration Log;
 - e) an Explosimeter Field Calibration Data Sheet.
5. Memorandum to Mr. Thomas Voltaggio, U.S. EPA, from Mr. John J. Humphries, U.S. EPA, re: Proper design of a cap, 5/23/90. P. 000653-000654.
6. Letter to Mr. S. Andrew Sochanski, U.S. EPA, from Mr. John A. Dziubek, NUS Corporation, re: Transmittal of Trip Reports, 6/25/90. P. 000655-000670. The following are attached:
 - a) a Trip Report FOR May 29, 1990 to June 1, 1990,

* Administrative Record File available 1/4/90, updated with the Explanation of Significant Differences Addendum on 5/8/92, 5/15/92 and 8/2/00.

- b) a Chain of Custody Record;
 - c) a Sample Shipping Log;
 - d) a Standard Calculation Sheet;
 - e) a Trip Report for May 14, 1990 to May 18, 1990;
 - f) a Trip Report for April 30, 1990 to May 2, 1990;
 - g) a letter regarding a meeting report.
7. Memorandum to Mr. Peter Ludzia, U.S. EPA, from Mr. Daniel K. Donnelly, U.S. EPA, re: Transmittal of a Volatile Organics Analysis (VOA) Report, 7/12/90. P. 000671-000705. The following are attached:
- a) the VOA Report;
 - b) Appendix A: Glossary of Data Qualifier Codes;
 - c) Appendix B: Data Summary;
 - d) Appendix C: Support Documentation.
8. Map: Site Topography and Property Plan, prepared by DPL Consultants, 7/18/90. P. 000706-000706.
9. Letter to Mr. S. Andrew Sochanski, U.S. EPA, from Mr. S.A. LaRocca, Tybouts Corner Landfill Site Trust Fund, re: Transmittal of Remedial Design/Remedial Action (RD/RA) Field Evaluation Deliverables, 8/1/90. P. 000707-000708.
10. Report: Task Item II.B. Hydrogeologic Investigation Report for the Predesign Evaluation of the West Landfill, prepared by DPL Consultants, 8/12/90. P. 000709-000779.
11. Report: Task Item II.C. Subsurface Evaluation "Ward Clay" Borrow Source Prequalification, prepared by DPL Consultants, 8/2/90. P. 000780-000964.
12. Memorandum to Technical Support Section from Mr. S. Andrew Sochanski, U.S. EPA, re: Review of the RD/RA Work Plan documents and request for comments, 8/6/90. P. 000965-000965.

13. Trip Report for July 31, 1990 to August 1, 1990 prepared by Rocco J. Giampaolo, 8/6/90. P. 000966-000971. Two Chain of Custody Records are attached.
14. Telephone conversation record of Mr. S. Andrew Sochanski, U.S. EPA, re: Air quality review for effluent disposal systems, 8/7/90. P. 000972-000972.
15. Letter to Mr. Andy Sochanski, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Transmittal of a field trip report and problems encountered with the field sampling contractor, 8/8/90. P. 000973-000979. The Trip Report for July 31, 1990 to August 1, 1990 and two Chain of Custody Records are attached.
16. Memorandum to Mr. Andy Sochanski, U.S. EPA, from Mr. Daniel K. Donnelly, U.S. EPA, re: Transmittal of the VOA report, 8/17/90. P. 000980-001010. The following are attached:
 - a) a memorandum regarding sampling;
 - b) Appendix A: Glossary of Data Qualifier Codes;
 - c) Appendix B: Data Summary;
 - d) Appendix C: Support Documentation;
 - e) a Chain of Custody Record.
17. Memorandum to Mr. S. Andrew Sochanski, U.S. EPA, from Ms. Lorraine Hanlon, U.S. EPA, re: Review of a Tybout's Corner Landfill report, 8/17/90. P. 001011-001011.
18. Telephone conversation record of Ms. Annette Lage, U.S. EPA, with Mr. David Beshirs, Orlando Laboratories, re: Chain of Custody Record for samples shipped to the laboratory, 8/20/90. P. 001012-001012.
19. Letter to Mr. David Beshirs, Orlando Laboratories, from Mr. Rocco J. Giampaolo, Gannett Fleming, Inc., re: Samples sent an information that was excluded from the second header column on a Chain of Custody Record, 8/20/90. P. 001013-001014. A Chain of Custody Record is attached.

20. Memorandum to Ms. Paula Retzler and Mr. Andy Sochanski, U.S. EPA, from Ms. Diane E. Wehner, U.S. EPA, re: Review and recommendations regarding of Task Item II.D, 8/24/90. P. 001015-001016. A memorandum regarding comments on the Statement of Work is attached.
21. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Review of Task Items II.B and II.C for technical and environmental qualities, 8/29/90. P. 001017-001020. Comments on Task Item II.C are attached.
22. Trip Report for August 17, 1990 prepared by Gannett Fleming, Inc., 8/29/90. P. 001021-001026. A transmittal letter, two Chain of Custody Records, and a letter regarding a Chain of Custody Record are attached.
23. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Review of Task Items II.B and II.C and comments to these reports, 8/29/90. P. 001027-001035. The following are attached:
 - a) Review Comments on Task Item II.B;
 - b) Attachment 1: Calculation of Refuse Volume in West Landfill;
 - c) Table 1: Volume Information;
 - d) a volume consumptions table;
 - e) a diagram of the volume of refuse;
 - f) a volume computations table;
 - g) a diagram of volume saturated refuse.
24. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Philip Rotstein, U.S. EPA, re: Comments on the Hydrogeologic Investigation Report and Subsurface Evaluation of Ward Clay, 9/10/90. P. 001036-001038.

25. Letter to Mr. John Hammond, Roy F. Weston, Inc., from Ms. Paula Retzler, U.S. EPA, re: Review of various reports for the site, 9/11/90. P. 001039-001077. The following are attached:

- a) EPA comments;
- b) Gannett Fleming, Inc. comments;
- c) an excerpt from Task Item II.B;
- d) review comments on Task Item II.B;
- e) Attachment 1: Calculation of Refuse Volume in West Landfill;
- f) Table 1: Volume Information;
- g) a volume consumptions table;
- h) a diagram of the volume of refuse;
- i) a volume computations table;
- j) a diagram of volume saturated refuse;
- k) an excerpt form Task Item II.C.

26. Memorandum to Mr. Andy Sochanski, U.S. EPA, from Mr. Orterio Villa, U.S. EPA, re: Transmittal of analytical reports, 9/14/90. P. 001078-001129. The following are attached:

- a) a memorandum regarding TOC analysis results, 9/15/90;
- b) a memorandum regarding NH₃N analysis results, 9/12/90;
- c) a memorandum regarding total dissolved solids analysis results, 9/7/90;
- d) a memorandum regarding TOC analysis results, 9/7/90;
- e) a memorandum regarding mercury analysis results, 9/7/90;

- f) a memorandum regarding NH₃N analysis results, 9/7/90;
 - g) a memorandum regarding metals analysis results, 8/29/90;
 - h) a memorandum regarding total dissolved solid analysis results, 9/7/90;
 - i) a memorandum regarding volatile gas chromatography/mass spectrometry analysis results, 9/12/90;
 - j) Appendix A: Glossary of Data Qualifier Codes;
 - k) Appendix B: Data and TIC Summary;
 - l) Appendix C: Supporting Documentation;
 - m) three Chain of Custody Records.
27. Trip Report for August 22 to 24, 1990, prepared by Gannett Fleming, Inc., 9/12/90. P. 001130-001136. A transmittal letter and three Chain of Custody Records are attached.
 28. Letter to Ms. Colleen Walling, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Transmittal of shipping logs, 9/14/90. P. 001137-001139. Two shipping logs are attached.
 29. Letter to Ms. Paula L. Retzler, U.S. EPA, from Mr. John W. Hammond, Tybouts Corner Landfill Site Trust Fund, re: Response to review comments submitted by EPA and EPA's oversight contractor on various reports, 9/28/90. P. 001140-001151. A letter regarding comments on the Hydrogeologic Report, a letter regarding comments on the Borrow Source Prequalification, and a letter regarding EPA comments on six month deliverables are attached.
 30. Memorandum to Ms. Lorraine Hanlon from Ms. Paula Retzler, U.S. EPA, re: Transmittal of responses to comments on six month deliverables, 10/1/90. P. 001152-001154. A letter regarding EPA comments on six month deliverables is attached.

31. Memorandum to Mr. Phillip Rotstein, U.S. EPA, from Ms. Paula Retzler, U.S. EPA, re: Transmittal of responses regarding the West Landfill Hydrogeologic Report, Borrow Source Prequalifications Report, and on six month deliverables, 10/1/90. P. 001155-001168. The following are attached:
- a) a facsimile transmittal sheet;
 - b) a transmittal memorandum;
 - c) a letter responding to comments received on the West Landfill Hydrogeologic Report;
 - d) a letter responding to the comments received on the Borrow Source Prequalification Report;
 - e) a letter regarding EPA comments on six month deliverables.
32. Telephone conversation record of Mr. John Hammond, Weston, Inc., with Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Potentially Responsible Party (PRP) comments on the Task Item II.B and II.C Reports, 10/5/90. P. 001169-001170. A transmittal sheet is attached.
33. Letter of Transmittal to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Transmittal of a VOA report, 10/9/90. P. 001171-001206. The following are attached:
- a) a memorandum regarding transmittal of the VOA Report;
 - b) the VOA Report;
 - c) Appendix A: Glossary of Data Qualifier Codes;
 - d) Appendix B: Data and TIC Summary;
 - e) Appendix C: Support Documentation.
34. Telephone conversation record of Ms. Annette Lage, U.S. EPA, with Mr. David Beshirs, Orlando Laboratories, re: An error on a Chain of Custody Record corrected by a later memorandum to file, 10/11/90. P. 001207-001207.

35. Trip Report for October 1 to 5, 1990 prepared by Gannett Fleming, Inc., 10/10/90. P. 001208-001216. The following are attached:
- a) a transmittal letter;
 - b) a sample interval chart;
 - c) three Chain of Custody Records;
 - d) a Borrow Source diagram.
36. Memorandum to Mr. John J. Humphries, U.S. EPA, from Ms. Paula Retzler, U.S. EPA, re: Transmittal of review comments, 10/15/90. P. 001217-001233. EPA comments, Gannett Fleming, Inc. comments, and PRP responses to comments are attached.
37. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Transmittal of assessments to the responses on Task Items II.B.1 and II.C, 10/16/90. P. 001234-001237. A facsimile transmittal sheet, a memorandum regarding construction of a test fill section, and a memorandum regarding placement moisture content are attached.
38. Telephone conversation record of Ms. Paula Retzler, U.S. EPA, from Mr. John Hammond, Roy F. Weston, Inc., re: Borings for clay quality, 10/19/90. P. 001238-001238.
39. Memorandum to Mr. John Hammond, Roy F. Weston, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Transmittal of Gannett Fleming's review of response to comments on the Ward Clay report, 10/19/90. P. 001239-001245. The following are attached:
- a) a facsimile transmittal sheet;
 - b) comments on the Task II.B.1 Report;
 - c) a memorandum regarding placement moisture content;
 - d) a memorandum regarding construction of a test fill section.

40. Letter to Mr. David Beshirs, Orlando Laboratories, from Mr. Rocco J. Giampaolo, Gannett Fleming Inc., re: Sampling identification, 10/19/90. P. 001246-001250. Two Data Summary Forms for Inorganics and an Inorganic Traffic Report are attached.
41. Letter to Mr. John Hammond, Roy F. Weston, Inc., from Ms. Paula Retzler, U.S. EPA, re: Six month pre-design deliverables, 10/22/90. P. 001251-001256. The following are attached:
 - a) Task II.B.1 report comments;
 - b) Task II.C report comments;
 - c) a memorandum regarding moisture content;
 - d) a memorandum regarding test fill section construction.
42. Letter to Mr. John Hammond, Roy F. Weston, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Sample specification, 10/24/90. P. 001257-001263. Information concerning the Army Creek Landfill cap design is attached.
43. Letter to Mrs. Paula L. Retzler, U.S. EPA, from Mr. John W. Hammond, Tybouts Corner Landfill Site Trust Fund, re: Transmittal of ground water monitoring data summary, 11/9/90. P. 001264-001264.
44. Memorandum to Mr. Chen-yu Yen, Gannett Fleming, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Transmittal of the pre-design ground water monitoring data summary, 11/16/90. P. 001265-001265.
45. Memorandum to Mr. Dilip Hansalia, Delaware Department of Natural Resources and Environmental Control (DNREC), from Ms. Paula L. Retzler, U.S. EPA, re: Transmittal of pre-design ground water monitoring data summary, 11/16/90. P. 001266-001266.
46. Letter to Ms. Janet Robertson, U.S. EPA, from Mr. Rocco Giampaolo, Gannett Fleming, Inc., re: Errors of sample preservation for TOC and Ammonia samples, 12/10/90. P. 001267-001269. A Chain of Custody Record is attached.

47. Facsimile transmittal notice to Ms. Deborah Buniski, Clean Technologies, from Ms. Paula Retzler, U.S. EPA, 12/11/90. P. 001270-001272. A map and an excerpt from a report regarding geophysical information are attached.
48. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc. re: Ground water split samples, 12/12/90. P. 001273-001331. The following are attached:
- a) a memorandum regarding split sampling;
 - b) Table 1: Groundwater Quality Target Compound List Analysis;
 - c) Table 2: Groundwater Quality Target Analyte List Analysis;
 - d) Table 3: Groundwater Quality Indicator Parameters Analysis;
 - e) Attachment 1: Selected Pages of Data Summary from DPL Report Title "Groundwater Monitoring Data Summary;"
 - f) Attachment 2: Data Summary for A Samples.
49. Letter to Mr. John Hammond, Roy F. Weston, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Ground water monitoring data summary report, 1/16/91. P. 001332-001390. The following are attached:
- a) a memorandum regarding split sampling;
 - b) Table 1: Groundwater Quality Target Compound List Analysis;
 - c) Table 2: Groundwater Quality Target Analyte List Analysis;

- d) Table 3: Groundwater Quality Indicator Parameters Analysis;
 - e) Attachment 1: Selected Pages of Data Summary from DPL Report Title "Groundwater Monitoring Data Summary;"
 - f) Attachment 2: Data Summary for A Samples.
50. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Joseph L. Slayton, U.S. EPA, re: Transmittal of analytical reports, 1/31/91. P. 001391-001398. The following are attached:
- a) a memorandum regarding total Suspended Solids and Total Volatile Suspend Solids results;
 - b) a memorandum regarding NH₃N determinations;
 - c) a memorandum regarding Total Organic Carbon and BOD₅ determinations;
 - d) a memorandum regarding Total Dissolved Solids determinations;
 - e) two Chain of Custody Records.
51. Trip Report for January 23, 1991 prepared by Gannett Fleming, Inc., 1/28/91. P. 001399-001400. A transmittal letter is attached.
52. Facsimile transmittal memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Transmittal of a memorandum regarding an evaluation of Ward Clay, 2/8/91. P. 001401-001405. The memorandum is attached.
53. Memorandum to Mr. Chen-yu Yen, Gannett Fleming, Inc., from Mr. David B. Wilson, Gannett Fleming, Inc., re: Evaluation of Ward Clay, 2/8/91. P. 001406-001409.
54. Memorandum to Mr. Chen Yen [sic], Gannett Fleming, Inc., from Mr. David B. Wilson, Gannett Fleming, Inc., re: Ward Clay samples, 2/22/91. P. 001410-001411.
55. Trip Report for February 19, 1991 prepared by Gannett Fleming, Inc., 2/20/91. P. 001412-001414. A transmittal letter is attached.

56. Transmittal memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Transmittal of information on clay properties, 2/25/91. P. 001415-001417. A memorandum regarding clay properties is attached.
57. Letter to Mr. John Hammond, Roy F. Weston, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Comments on the use of Ward Clay, 3/13/91. P. 001418-001424. A facsimile transmittal sheet is attached.
58. Trip Report for October 1 to 5, 1990 prepared by Gannett Fleming, Inc., 3/8/91. P. 001425-001429. A transmittal letter and the Chain of Custody Records are attached.
59. Letter of transmittal to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Transmittal of information on Ward Clay and sampling, 3/19/91. P. 001430-001437. Two memorandums regarding Ward Clay and a copy of Mr. Chen-yu Yen's Certified Hazardous Materials Manager certificate are attached.
60. Memorandum to Ms. Paula Retzler, U.S. EPA, re: TDS report for sampling, 4/17/91. P. 001438-001443. The following are attached.
- a) a memorandum regarding TDS determinations;
 - b) a memorandum regarding a report being supplied to make Central Regional Laboratory information easier to understand;
 - c) sampling results;
 - d) a Chain of Custody Record.
61. Letter to Mr. John Hammond, Roy F. Weston, Inc, from Ms. Paula L. Retzler, U.S. EPA, re: Mini-test to evaluate Ward Clay, 5/8/91. P. 001444-001445.
62. Report: RD/RA Statement of Work Plan Task Item III.A. 1.c; Identification of Permits and Site Access Requirements, prepared by DPL Consultants, 5/29/91. P. 001446-001467.

63. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. John W. Hammond, Tybouts Corner Landfill Site Trust Fund, re: Annual Monitoring Report, 5/31/91. P. 001468-001469.
64. Report: Draft RD/RA Statement of Work Plan Task Item III A.1.a, Subsurface Drain Design Testing, Data Submittal, Volume I, prepared by DPL Consultants 6/91. P. 001470-001778.
65. Report: Draft RD/RA Statement of Work Plan Task Item III A.1.a, Subsurface Drain Design Testing, Data Submittal, Volume 2, prepared by DPL Consultants, 6/91. P. 001779-001797.
66. Report: Remedial Design/Remedial Action Groundwater Monitoring Data Summary (Volume 1 of 2), prepared by DPL Consultants, 6/4/91. P. 001798-001932.
67. Report: Remedial Design/Remedial Action Groundwater Monitoring Data Summary (Volume 2 of 2), prepared by DPL Consultants, 6/9/91. P. 001933-002387.
68. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. John W. Hammond, Tybouts Corner Landfill Site Trust Fund, re: Transmittal of the Permits and Access Requirements Report, 6/6/91. P. 002388-002388.
69. Report: RD/RA Statement of Work Plan, Task Item III. B.5, Main Landfill Grading and Cap Design Alternatives Conceptual Evaluation, prepared by DPL Consultants, 6/10/91. P. 002389-002433. A transmittal letter is attached.
70. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. John W. Hammond, Tybouts Corner Landfill Site Trust Fund, re: Transmittal of the Predesign Ground Water Quality Report, 6/10/91. P. 002434-002441. The following are attached:
- a) a letter regarding transmittal of two letters from DPL Consultants;
 - b) a letter regarding work conducted in January;

- c) a letter regarding the Quality Assurance Review of Analytical Data for Well T4-214;
 - d) a letter regarding well information;
 - e) a memo regarding monitoring data summary.
- 71. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. John W. Hammond, Tybouts Corner Landfill Site Trust Fund, re: Transmittal of the Subsurface Drain Design Testing Report, 6/11/91. P. 002442-002442.
 - 72. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. John W. Hammond, Tybouts Corner Landfill Site Trust Fund, re: Transmittal of the Main Landfill Grading and Cap Design Report, 6/13/91. P. 002443-002443.
 - 73. Memorandum to Mr. Dave Kargbo and Ms. Mary Beck, U.S. EPA, from Ms. Paula Retzler, U.S. EPA, re: Transmittal of three reports to be reviewed and notice of a July meeting, 6/26/91. P. 002444-002444.
 - 74. Memorandum to Ms. Diane Whener [sic], U.S. EPA, from Ms. Paula Retzler, U.S. EPA, re: Transmittal of the Permit and Site Access Requirements for review, 6/26/91. P. 002445-002445.
 - 75. Letter to Mr. Chen-yu Yen, Gannett Fleming, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Provision of documents for review, 1/26/91. P. 002446-002447.
 - 76. Report: RD/RA Statement of Work Plan, Design Report on Alternative Groundwater Controls for Tybouts Corner Landfill, prepared by DPL Consultants, 7/91/. P. 002448-002490.
 - 77. Letter to Mr. Dilip Hansalia, DNREC, from Ms. Paula L. Retzler, U.S. EPA, re: Transmittal of three reports to be reviewed and notice of a July meeting, 7/9/91. P. 002491-002492.
 - 78. Letter of transmittal to Ms. Paula Retzler, U.S. EPA, from Ms. Deirdre S. Smith, DPL Consultants, re: Transmittal of Task Item II.B.5, 7/10/91. P. 002493-002493.

79. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Review of various three pre-design reports, 7/26/91. P. 002494-002501. A memorandum regarding review comments on Task Item III. B.5, a memorandum regarding review comments on Task Item III.A.1.c, and a memorandum regarding review comments on the Predesign Groundwater Quality Report are attached.
80. Report: Phase I Archeological Survey, prepared by Cultural Heritage Research Services, Inc., 8/91. P. 002502-002556.
81. Memorandum to Ms. Paula Retzler, U.S. EPA, from Mr. Dave Kargbo, U.S. EPA, re: Review of documents relating to the RD/RA, 8/5/91. P. 002557-002559.
82. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Transmittal of the draft meeting record, 8/5/91. P. 002560-002571. The following are attached:
- a) the meeting record;
 - b) Attachment 1: Sign-in Roster;
 - c) Attachment 2: Outline for Presentation on Alternative Remedial Designs;
 - d) Attachment 3: Main Landfill Cap information.
83. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Review of information submitted by PRP's, 8/8/91. P. 002572-002581. The following are attached:
- a) a memorandum regarding supplemental review comments on two reports;
 - b) a memorandum regarding supplemental review comments on two reports;
 - c) a memorandum regarding preliminary review comments on the Design Report on Alternative Groundwater Controls for Tybout's Corner Landfill;
 - d) a graph of boring elevations.

84. Memorandum to Ms. Paula Retzler, U.S. EPA, from Ms. Mary F. Beck, U.S. EPA, re: Cap design, 8/14/91. P. 002582-002584.

85. Letter to Mr. John Hammond, Roy F. Weston, Inc, from Ms. Paula L. Retzler, U.S. EPA, re: Review of three pre-design documents, 8/14/91. P. 002585-002610. The following are attached:

- a) a memorandum regarding cap design;
- b) a memorandum regarding comments on several documents;
- c) a memorandum regarding proper design of an EPA Cap;
- d) a letter regarding review of PRP submittals;
- e) a memorandum regarding review comments on Task Item III.B.5;
- f) a memorandum regarding review comments on Task Item III.A.1.C;
- g) a memorandum regarding review of the Predesign Groundwater Quality Report;
- h) a letter regarding review of PRP Submittals;
- i) a memorandum regarding supplemental review comments on various reports;
- j) a memorandum regarding supplemental review comments on various reports;
- k) A memorandum regarding review comments on the Design Report on Alternative Groundwater Controls for Tybout's Corner Landfill.

86. Letter to Ms. Faye Stocum, Delaware Bureau of Archaeology and Historic Preservation, from Ms. Paula L. Retzler, U.S. EPA, re: Request for a cultural resource survey to be conducted to find potential historical sites near Tybout's Corner Landfill, 8/20/91. P. 002611-002614. A letter regarding the review of a request for federal funding and a letter regarding review of the revised budget for the site are attached.
87. Letter to Mr. Joseph Giannell, Lawler, Matusky & Skelly Engineers, from Mr. Mark C. Mummert, Gannett Fleming, Inc., re: Ground water modeling, 8/21/91. P. 002615-002621. A memorandum regarding comments on a ground water design report, and a boring elevation diagram are attached.
88. Letter to Ms. Paula L. Retzler, U.S. EPA, from Mr. Dilip Hansalia, DNREC, re: Confirmation of the submittal of DNREC's comments on various reports, 8/21/91. P. 002622-002631. The following are attached:
- a) a memorandum regarding the review of a cap design document;
 - b) a memorandum regarding an RD/RA Appropriate and Relevant or Applicable Requirements (ARARs) review;
 - c) a memorandum regarding Task Item III.A.1.c;
 - c) a memorandum regarding the review of the Archeological Survey.

89. Letter to Mr. John Hammond, Roy F. Weston, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Comments made by DNREC on various reports, 8/26/91. P. 002632-002642. The following are attached:
- a) a memorandum regarding the review of a cap design document;
 - b) a memorandum regarding an RD/RA ARAR review;
 - c) a memorandum regarding Task Item III.A.1.c;
 - c) a memorandum regarding the review of the Archeological Survey.
90. Report: Gannett Fleming Final Comments on "Design Report on Alternative Groundwater Controls for Tybouts Corner Landfill," prepared by Gannett Fleming, Inc., 9/6/91. P. 002643-002650.
91. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Review of PRP's predesign submittals, 9/6/91. P. 002651-002657. A memorandum regarding RD/RA oversight review comments and a diagram of refuse and water distribution are attached.
92. Letter to Ms. Paula L. Retzler, U.S. EPA, from Ms. Faye L. Stocum, Delaware Division of Historical and Cultural Affairs, re: The site activities having no affect on historical archeological sites in the vicinity, 9/10/91. P. 002658-002662.
93. Diagram, Table 2: Clay and Drainage Alternatives, prepared by DPL Consultants, 9/19/91. P. 002663-002665. A diagram of Conceptual Grading Plans and a Proposed Gas Vent Concept Sketch are attached.
94. Report: Draft Tybouts Corner Landfill Preconstruction "Design" Test Strip for the Ward Clay Borrow Material; Contract Specifications, prepared by DPL Consultants, 9/23/91. P. 002666-002682. A transmittal letter is attached.
95. Memorandum to Ms. Mary Beck and Mr. Dave Kargbo, U.S. EPA, from Ms. Paula L. Retzler, U.S. EPA, re: Transmittal of two documents for review, 9/25/91. P. 002683-002683.

96. Letter to Dr. Chen-yu Yen, Gannett Fleming, Inc., from Ms. Paula Retzler, U.S. EPA, re: PRP response to comments concerning the completion of 50% of the RD, 10/1/91. P. 002684-002687. The response is attached.
97. Trip Report for October 1 to 5, 1990 prepared by Gannett Fleming, Inc., 10/9/91. P. 002688-002690. A cover letter is attached.
98. Letter to Ms. Faye Stocum, Delaware Bureau of Archeology and Historical Preservation, from Mr. John W. Hammond, Tybouts Corner Landfill Site Trust Fund, re: Transmittal of the Archeological Survey Final Report, 11/12/91. P. 002691-002691.
99. Letter to Dr. Chen-yu Yen, Gannett Fleming, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Review of the Alternative Groundwater Controls for Tybout's Corner Landfill Revised Report, 1/10/92. P. 002692-002692.
100. Letter to Mr. Dilip Hansalia, DNREC, from Ms. Paula L. Retzler, U.S. EPA, re: Review of the Alternative Groundwater Controls for Tybout's Corner Landfill Revised Report, 1/10/92. P. 002693-002693.
101. Memorandum to Mr. Dave Kargbo, U.S. EPA, from Ms. Paula Retzler, U.S. EPA, re: Review of the Alternative Groundwater Controls for Tybout's Corner Landfill Revised Report, 1/10/92. P. 002694-002694.
102. Letter to Mr. John W. Hammond, Tybouts Corner Landfill Site Trust Fund, from Ms. Faye L. Stocum, Delaware Division of Historical and Cultural Affairs, re: Completion of a review of the Phase I Archeological Survey, 1/17/92. P. 002695-002695.
103. Report: Oversight of Remedial Design, Tybouts Corner Landfill Alternative Groundwater Controls, prepared by Gannett Fleming, Inc., 2/21/92. P. 002696-002780. A cover letter is attached.
104. Letter to Mr. Dilip Hansalia, DNREC, from Ms. Paula L. Retzler, U.S. EPA, re: Responses to comments on the revised design report on alternative ground water controls, 3/31/92. P. 002781-002784. A letter regarding comments and suggestions on the revised design report and a site design are attached.

105. Report: Final Design Report on Alternative Groundwater Controls for Tybouts Corner Landfill, prepared by DPL Consultants, 4/92. P. 002785-002858.
106. Facsimile transmittal sheet to Ms. Paula Retzler, U.S. EPA, from Mr. Dave Shellman, Gannett Fleming, Inc., re: Plot for the predicted ground water elevations at one foot contours for the slurry trench designs, 4/6/92. P. 002859-002860. The plot is attached.
107. Letter to Mr. Alex J. Gonzalez, DNREC, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Additional information on the Explanation of Significant Differences (ESD), 4/9/92. P. 002861-002862.
108. Letter to Ms. Paula Retzler, U.S. EPA, from Mr. Chen-yu Yen, Gannett Fleming, Inc., re: Review of DPL Consultants' Final Design Report on Alternative Ground Water Controls, 4/29/92. P. 002863-002864.
109. Letter to Mr. John Hammond, Roy F. Weston, Inc., from Ms. Paula L. Retzler, U.S. EPA, re: Approval of the Final Design Report, 4/30/92. P. 002865-002866.
110. U.S. EPA Sample Shipping Log for All Samples Sent Through the Contract Laboratory Program, (undated). P. 002867-002867.
111. Letter of Transmittal to Mr. Alejandro Gonzales, DNREC, from Mr. David Shellman, Gannett Fleming, Inc., re: Transmittal of the modflow output data, 5/7/92. P. 002868-002933. The data is attached.
112. Memorandum to Mr. Edwin B. Erickson, U.S. EPA, from Mr. Thomas Voltaggio, U.S. EPA, re: Transmittal of the ESD and identification of significant changes, 5/8/92. P. 002934-002935.
113. Letter to Mr. Peter Schaul, U.S. EPA, from Mr. Phillip Retallick, DNREC, re: Review of and concurrence by the State of Delaware with the ESD, 5/8/92. P. 002936-002936.
114. Explanation of Significant Differences for the Tybout's Corner Landfill Site, New Castle County, Delaware, prepared by U.S. EPA, 5/14/92. P. 002937-002976.

115. Report: Workplan for Landfill Gas Migration Assessment, Tybouts Corner Landfill Site, New Castle County, Delaware, prepared by Conestoga-Rovers & Associates, 9/97. P. 002977-003111.
116. Report: Landfill Gas Migration Assessment, Tybouts Corner Landfill Site, New Castle County, Delaware, prepared by Conestoga-Rovers & Associates, 1/98. P. 003112-003397.
117. Report: Landfill Gas Migration Assessment Phase 2, Tybouts Corner Landfill Site, New Castle County, Delaware, prepared by Conestoga-Rovers & Associates, 1/26/99. P. 003398-003553.
118. Letter to Mr. S.A. LaRocca, Tybouts Corner Steering Committee, from Ms. Kate Lose, U.S. EPA, re: Transmittal of EPA's review comments on the Landfill Gas Migration Assessment Technical Memorandum, 9/10/99. P. 003554-003560. The following are attached:
- a) A July 19, 1999, memorandum to Ms. Kate Lose, U.S. EPA, from Ms. Patricia Flores, U.S. EPA, responding to comments on the Landfill Gas Migration Assessment Phase 2 report for the Tybouts Corner Landfill;
 - b) A July 28, 1999, letter to Ms. Kate Lose, U.S. EPA, from Mr. David Smyth, Gannet Fleming, Inc., commenting on remedial action issues at the Tybouts Corner Landfill;
 - c) An August 5, 1999, memorandum to Ms. Kate Lose, U.S. EPA, from Mr. David Kargbo, U.S. EPA, commenting on the PRP responses to EPA's comments on the Landfill Gas Migration Assessment Phase 2 report.
119. Letter to Ms. Kate Lose, U.S. EPA, from Mr. S.A. LaRocca, Tybouts Corner Landfill Site Trust Fund, re: transmission of trust fund responses to EPA's comments on the Landfill Assessment Phase 2 report, 10/7/99. P. 003561-003565.

120. Technical Memorandum to Mr. S.A. LaRocca, Tybouts Corner Management Steering Committee, from Mr. Guy Treadwell and Mr. Rick Mosher, Conestoga-Rovers & Associates, re: Transmittal of additional information on the active gas collection system proposed for the Tybouts Corner Landfill, 11/26/99. P. 003566-003575. A November 30, 1999, transmittal letter to Ms. Kate Lose, U.S. EPA, from Mr. S.A. LaRocca, Tybouts Corner Management Landfill Site Trust Fund, is attached
121. Explanation of Significant Differences No. 2, Tybouts Corner Landfill Superfund Site, New Castle County, Delaware, 7/26/00. P. 003576-003587. A July 26, 2000, transmittal memorandum to Mr. Abraham Ferdas, U.S. EPA, from Mr. Peter Schaul, U.S. EPA, and a May 31, 2000, letter to Mr. Abraham Ferdas, U.S. EPA, from Ms. Denise Ferguson-Southard, DNREC, regarding DNREC's approval of the ESD, are attached.