

## **S1045 Drey, Kay, Hematite Addenda, 1945-2011**

### **232 Folders**

This collection is available at [The State Historical Society of Missouri](http://The State Historical Society of Missouri). If you would like more information, please contact us at [shsresearch@umsystem.edu](mailto:shsresearch@umsystem.edu).

#### PROVENANCE

Kay Drey donated this addendum on August 2, 2011.

#### HISTORY

Previous collections donated by Kay Drey include: S0241, S0842, S0826, S0840, SA1028, SA1030, and SA1031

#### SCOPE AND CONTENT

This collection documents hazards posed by nuclear waste dumping in the town of Hematite, in Jefferson County, Missouri. Hematite housed the oldest commercial uranium–fuel processing plant in the country, built by Mallinckrodt Chemical Works in 1956. It produced nuclear fuel rod assemblies for commercial power plants and at one time was approved to process plutonium. Owners of the property that succeeded Mallinckrodt included Gulf United Nuclear Corporation; Combustion Engineers, Inc.; Ace Brown Bowen (ABB); and Westinghouse/British Nuclear Fuel LTD.

The plant's property included forty earthen pits containing radioactively contaminated material. When constructed, no effort was made to prevent leaks from these pits, which contained paper, plastic and wood items as well as metal, possibly including a pick-up truck. A worker at the Hematite plant testified to the Nuclear Regulatory Commission in 1985 about his suspicions that leaks from these pits may have contaminated nearby Joachim Creek. The NRC found no evidence for the charge.

Westinghouse bought the plant in 2000 and closed it in the summer of 2001, consolidating operations in Columbia, SC. At the same time, chemical contaminants were found in the well water of residents' homes more than a half mile south of the plant. Additionally, contaminants surfaced in well water northeast of the facility. Although Westinghouse had charcoal filters installed on the contaminated property of Jerry and Claire Eaton, filed a lawsuit against Mallinckrodt on August 5, 2002 seeking payment for their contaminated property so that they could relocate.

As of July 7, 2011, the NRC had scheduled hearings on the decommissioning of the Hematite plant. In October 2011 the decommissioning project completed preparations to excavate low-level radioactive material and buried waste in from the forty pits. It also determined that as many as 25 additional pits may have been constructed prior to those already documented. According to a Westinghouse newsletter, the work was scheduled to begin during December 2011.

## COLLECTION OVERVIEW

The collection is divided into five series: 1. Early, 1945-1985, f. 1-31; 2. 1970s, f. 32-78; 3. Hematite, 1971-2006, f. 79-157; 4. Decommissioning, 1974-2007, f. 158-216; 5. Eaton Lawsuit, 2005-2008, f. 217-232.

## COPYRIGHT RESTRICTIONS

No known copyright restrictions.

## FOLDER LISTING

### BOX 1

SERIES 1 - Early, 1945-1985, f. 1-31

1. 1945-1946
2. 1956-1960
3. 1961-1969
4. 1965-1968
5. 1986-1987
6. 1969-1970
7. 1971-1973
8. 1974-1979
9. 1978
10. 1978
11. 1978
12. 1980-1981
13. 1980-1982
14. 1983-1985
15. A#3
16. Axelso Letters, 1975
17. Chemicals Used
18. Computer Search
19. DNR, 1977
20. European Reports, 1981
21. Extra B2
22. Extra B1
23. Joachim Creek
24. Maps, 1949-1970
25. NRC, 1980-1987
26. NRC, 1970
27. Plutonium
28. Plutonium FOIA, 1973-1987
29. Post-Dispatch, 1944-1977, 1985
30. Special Nuclear Material License 33
31. Tech 99

### BOX 2

SERIES 2 - 1970s, f.32-78

32. Abnormal Occurrence, 1975
33. Accidents (Possible), 1975
34. Bolef, Dan, 1978-1979
35. Burlison, Bill (Congressman), 1971
36. Environmental Impact Appraisal (new), 1977
37. Environmental Impact Appraisal (old), 1977
38. Environmental Impact Appraisal, 1978
39. Evaporation Pond, 1978-1980
40. Fuel Fabrication Process
41. Green, Lew, 1978-1979
42. Hematite, 1978-1979
43. Jefferson City, 1978
44. Jefferson City, 1977
45. Joachim Creek, Clearwater Commission, 1978
46. Joachim Creek Flood Insurance Study, 1978-1979
47. KKD Notes and Letters
48. KKD-NRC (old), 9/6/78
49. KKD-NRC, 10/13/78
50. KKD-NRC, 12/7/78
51. KKD-NRC, 3/1/79
52. KKD-NRC, 11/79-12/79
53. KKD-NRC, 3/15/79-4/5/79
54. KKD-NRC, 6/1/78
55. Lindholm, Bob, 1978
56. Media
57. Media – Jefferson County, 1978
58. Missouri Clean Water Commission, , 1978
59. Missouri Department of Natural Resources, 1978
60. Missouri Department of Natural Resources, 1980-1982
61. NPDES Permit, 1978
62. NRC, 1975-1985
63. NRC Inspection Report, 197601990
64. NRC/Keppler to NRC, 11/24/78
65. NRC/Keppler-KKD, 12/28/78
66. NRC/Keppler/KKD, 7/19/78
67. NRC/Keppler/KKD, 2/28/79-3/22/79
68. NRC Regulatory Guide, 1974-1986
69. Perry, Gavin, 1978
70. Public Hearing Notice
71. Public Hearing Testimony, 1978
72. Public Hearing Testimony, Topics/People
73. Radiation and Health Foods
74. States' Rights, 1973
75. Teasdale, Governor Joseph
76. Technetium, 1979
77. Tornados, 1981

## 78. Transportation of Radioactive Materials

### BOX 3

#### SERIES 3 - Hematite, 1971-2006

79. ABB-ASC, 2002
80. Accident, 1990
81. Accident, 1989
82. Accidents, Japan and Paducah, 1999
83. Accidents, NRC Reports, 1989
84. Aerosol Studies, 1992
85. Appeal/Licensing, 1989
86. Atomic Safety and Licensing Board, 1989
87. British Nuclear Fuel, 1990-2000
88. Burial Ground, 1983
89. Burial Waste (old), 1983
90. Chemical Releases, 1989
91. Citizens, Karen Siski, 1989
92. Citizens, Marsha Dodson, 1989, 2000
94. Coalition of the Environment, 1989-1995
95. Combustion Engineering, 1986
96. Combustion Engineering, 1995
97. Combustion Engineering, 1989
98. Combustion Engineering, Inc., Hematite Nuclear Fuel Manufacturing Facility; Supplement to Request for Licensing Amendment, 8/18/88
99. Combustion Engineering, Building Soil Survey, 1988
100. Combustion Engineering, 1988-1989
101. Combustion Engineering, Legal, 1989
102. Computers, Y2K, 1999
103. Connecticut Plant, Media
104. Connecticut Plant, NRC, 1987
105. Critical, 2000
106. Eagleton, Senator Thomas, 1971-1975
107. Earthquakes, 1979

### BOX 4

108. Energy Department, 1977
109. Energy Department, 2000
110. Environmental Impact Appraisal, 1981
111. Epidemiology, 1979
112. Evaluation Phase, 1986
113. Evaporation, 1989
114. Evaporation, 1989
115. Evaporation of Pond, 1985
116. Evaporation of Pond, 1985
117. Facts, 2000

118. Fact Sheet, KKD, 11/12/02
119. General Accounting Office, 1989
120. Gulf United Nuclear Fuel, 1973
121. Hearing File from NRC, 1989
122. History, 2006
123. Holthaw, Chris, 1990
124. Informational Material, Jefferson County, 8/24/89
125. Jefferson City, 1981-1987
126. Jefferson County Citizen, 1989
127. Jefferson County, 2000
128. Jefferson County, Lynn Sproul, 1982
129. KKD Notes, 1968-2000
130. KKD Notes, 1984-1986
131. KKD/NRC, 3/7/80
132. KKD/NRC, 9/12/80
133. KKD/NRC, 1983
134. Labor Union, 1984
135. License Renewal Application, 1982
136. License Renewal Application, 1983
137. Media, 1939
138. Media, Post-Dispatch, Rose, Lou, 1989
139. Media, 1996
140. Missouri, Department of Natural Resources, 1996
141. Missouri Department of Natural Resources, 2000
142. New, 1984
143. New, 1992-1996
144. New, 1997-1999
145. New, KKD Letters, 2002
146. New, 2000
147. New, 2001
148. NRC, 1986
149. NRC, 1980
150. Nuclear Fuel Service, 2000
151. Nuclear Regulatory Commission, 1989
152. Nuclear Regulatory Commission, 2000
153. Politicians, Nixon, Jay, 1989-1990
154. Radiological Survey
155. Security, 1991-2000
156. Spent Limestone, 1989
157. Whistleblowers, 1994

#### BOX 5

SERIES 4 - Decommission, 1974-2007, f. 158-216

158. Decommissioning, 1974
159. Decommissioning, 2002
160. Decommissioning, 2000-2003

161. Decommissioning, 2010
162. Decommissioning, 2009
163. Decommissioning, Accidents, Sabotage, 2000
164. Decommissioning, Burial Waste, 2003
165. Decommissioning, Citizens, 2003
166. Decommissioning, Eaton, Clarissa, 2004
167. Decommissioning, Eaton, Clarissa, 2003
168. Decommissioning, Eaton, Clarissa, 2002
169. Decommissioning, EE/CA, 2003
170. Decommissioning, Fact Sheet, 2002
171. Decommissioning, Groundwater, 1996-2003
172. Decommissioning, Groundwater, 2004
173. Decommissioning, KKD Notes, 2000
174. Decommissioning-KKD, 2002
175. Decommissioning, Lawyers, 1998-2003
176. Decommissioning, McKeel, Dan, 2007
177. Decommissioning, Public Health, 2002
178. Decommissioning, Maps
179. Decommissioning, Media, 2001
180. Decommissioning, Media, 2002
181. Decommissioning, Media, 2002
182. Decommissioning, Mo. DNR, 2009
183. Decommissioning, MoDNR from Clarissa, 2005
184. Decommissioning, MoDNR, 2002
185. Decommissioning, MoDNR, Moore, Bill, 2004
186. Decommissioning, MoDNR Rad Waste, Sample, 1996
187. Decommissioning, MoDNR, 2003
188. Decommissioning, MoDNR, State Inspection, 9/28/00
189. Decommissioning, NRC, 2002
190. Decommissioning, NRC, 2009
191. Decommissioning, NRC Inspection Report, 7/23/09
192. Decommissioning, Scientists, Garrin, D., 2002
193. Decommissioning, Scientists, Saboka, Lee, 2007
194. Decommissioning, Rad, 2004
195. Decommissioning, Rad, 1999
196. Decommissioning, Rad-To99, Westinghouse, 2000-2002
197. Decommissioning, Scrap Metal Fuel Rods, 203
198. Decommissioning, Toxic Chem, TCE, 2006-2007
199. Decommissioning, Westinghouse EECA, 2003
200. Decommissioning, Westinghouse EECA, 3/28/03
201. Decommissioning, Westinghouse Licensing Amendment, 2004
202. Decommissioning, Westinghouse Remedial Investigation, 1/07
203. Decommissioning, Westinghouse, Public Meeting, 2009
204. Decommissioning, Westinghouse, Public Hearing, 7/10/08
205. Decommissioning, Westinghouse, Public Hearing, 2003-2004
206. Decommissioning, Westinghouse, Public Meeting, 5/17/03
207. Decommissioning, Westinghouse, Public Meeting, 2002-2003
208. Decommissioning, Westinghouse, Record of Decision, 9/18/09

210. Decommissioning, Westinghouse, 2002-2005
211. Decommissioning, Westinghouse, ABB-BNF, 2005
212. Decommissioning, Westinghouse Gulf Nuclear Fuel, 1973-1974
213. Decommissioning, Westinghouse, Toshiba, Kazakhstan, 2007
214. Decommissioning, Citizens, Eaton, Clarissa and Jerry, 2007
215. Decommissioning, Citizens, Eaton, Clarissa and Jerry, 2007
216. Decommissioning, Eaton, Clarissa, 2007

SERIES 5 - Eaton Lawsuit, 2005-2008, f.217-232

217. Eaton Lawsuit, 2005
218. Eaton Lawsuit, 2006
219. Eaton Lawsuit, Mo. Attorney General, 2008
220. Eaton Lawsuit, Circuit Court Appellate Brief, 7/26/05
221. Eaton Lawsuit, Clarissa, 2007
222. Eaton Lawsuit, Clarissa, 2007
223. Eaton Lawsuit, Correspondence, 2005
224. Eaton Lawsuit, Circuit Court Settlement Agreement and Release, 2005
225. Eaton Lawsuit, Court of Appeals, 5/22/05
226. Eaton Lawsuit, Court of Appeals Brief, 7/6/05
227. Eaton Lawsuit, US District Court, 7/05
228. Eaton Lawsuit, Deposition and Interrogatories, First Set, 8/5/05
229. Eaton Lawsuit, Hamburg, Steve, 2007
230. Eaton Lawsuit, Husch and Eggenberger, 2005
231. Eaton Lawsuit, Media, 2007
232. Eaton Lawsuit, Supreme Court, 5/15/07