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**RESPONSE TO FREEDOM OF INFORMATION ACT (FOIA) REQUEST**

FOIA REQUEST NUMBER: **FOIA - 90-558**

RESPONSE TYPE:  FINAL  PARTIAL

DATE: **JUL - 8 1991**

DOCKET NUMBER(S) (if applicable):

REQUESTER: **Douglas F. Brennan**

**PART I. - AGENCY RECORDS RELEASED OR NOT LOCATED. (See checked boxes)**

- No agency records subject to the request have been located.
  - No additional agency records subject to the request have been located.
  - Requested records are available through another public distribution program. See Comments section.
  - Agency records subject to the request that are identified in Appendix(es) \_\_\_\_\_ are already available for public inspection and copying at the NRC Public Document Room, 2120 L Street, N.W., Washington, DC.
  - Agency records subject to the request that are identified in Appendix(es) **F & G** are being made available for public inspection and copying at the NRC Public Document Room, 2120 L Street, N.W., Washington, DC, in a folder under this FOIA number.
  - The nonproprietary version of the proposal(s) that you agreed to accept in a telephone conversation with a member of my staff is now being made available for public inspection and copying at the NRC Public Document Room, 2120 L Street, N.W., Washington, DC, in a folder under this FOIA number.
  - Agency records subject to the request that are identified in Appendix(es) \_\_\_\_\_ may be inspected and copied at the NRC Local Public Document Room identified in the Comments section.
  - Enclosed is information on how you may obtain access to and the charges for copying records located at the NRC Public Document Room, 2120 L Street, N.W., Washington, DC.
  - Agency records subject to the request are enclosed.
  - Records subject to the request have been referred to another Federal agency(ies) for review and direct response to you.
- Fees**
- You will be billed by the NRC for fees totaling \$ \_\_\_\_\_
  - You will receive a refund from the NRC in the amount of \$ \_\_\_\_\_
- In view of NRC's response to this request, no further action is being taken on appeal letter dated \_\_\_\_\_, No. \_\_\_\_\_

**PART II. A - INFORMATION WITHHELD FROM PUBLIC DISCLOSURE**

Certain information in the requested records is being withheld from public disclosure pursuant to the exemptions described in and for the reasons stated in Part II, B, C, and D. Any released portions of the documents for which only part of the record is being withheld are being made available for public inspection and copying in the NRC Public Document Room, 2120 L Street, N.W., Washington, DC in a folder under this FOIA number.

**COMMENTS**

The NRC is continuing to review records subject to your FOIA request. We will notify you upon completion of the review.

SIGNATURE, DIRECTOR, DIVISION OF FREEDOM OF INFORMATION AND PUBLICATIONS SERVICES

*John H. Denny*

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PDR FOIA  
BRENNAN90-558 PDR

APPENDIX F  
DOCUMENTS BEING PLACED IN THE PDR

NUMBER	DATE	DESCRIPTION
1.	10/04/67	Letter from Gray to Morris (4 pages)
2.	10/24/67	Letter from Gray to Morris (3 pages)
3.	11/09/67	Letter from Morris to Donkin (3 pages)
4.	11/09/67	Letter from Skovholt to Goddard (2 pages)
5.	11/16/67	Letter from Shovholt to Goddard (4 pages)
6.	11/06/68	Letter from Caldwell to AEC (1 page)
7.	10/13/71	Letter from Carlson to Keppler (5 pages)
8.	12/20/71	Memorandum from Dube to Files (28 pages)

DOCUMENTS TO BE RELEASED

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
1. 05/04/56	Wolkowitz, Research Curtiss-Wright Corp.	AEC	Application for byproduct material license (3 pages)
2. 05/16/56	Wolkowitz, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (1 page)
3. 07/02/56	Roberts, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (2 pages)
4. 07/27/56	Roberts, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (1 pages)
5. 10/29/56	Smith, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (1 pages)
6. 12/31/56			Curtiss-Wright Corp Annual Report for 1956 (16 pages)
7. 01/23/56	Smith, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (3 pages)
8. 01/23/57	Smith, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (1 page)
9. 01/23/57	Roberts, Research Curtiss-Wright Corp	AEC	Isotopes Extension Reference: 1EB:29 (2 pages)
10. 02/22/57	Smith, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (2 pages)
11. 03/07/57	Roberts, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (2 pages)
12. 03/19/57	Sjoberg, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (2 pages)
13. 03/19/57	Roberts, Research Curtiss-Wright Corp	Miller, AEC	Reference to telephone call w/list of licensed material authorized (2 pages)
14. 03/25/57	Beam, Research Curtiss-Wright Corp	AEC	2 applications for byproduct material license (5 pages)
15. 04/05/57	Liller, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (2 pages)
16. 05/07/57	Roberts, Research Curtis-Wright Corp	Miller, AEC	Ltr. about issuing general license (2 pages)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
17. 05/09/57	Delaney, Materials Branch	Files	Curtiss-Wright Corp Application for SNM License (1 page)
18. 05/09/57	Johnson, Licensing	Hill, Research Curtiss-Wright	Ltr. w/special nuclear material license SNM-92 (9 pages)
19. 05/10/57			Phone call from Roberts, Curtiss-Wright
20. 05/13/57	Research, Curtiss-Wright Corp		Byproduct material license (5 pages)
21. 05/15/57	Hitch, Byproduct Licensing Branch	Roberts, Research Curtiss-Wright	Ltr. w/subject license No. 37-2416-1
22. 05/16/57	Smith, Research Curtiss-Wright Corp	AEC	Application for byproduct material license (1 page)
23. 05/20/57	Roberts, Research Curtiss-Wright Corp	Hitch, Byproduct Licensing Branch	Ltr. in response to 05/15/57 letter (11 pages)
24. 05/21/57	Roberts, Research Curtiss-Wright Corp	Johnson, Licensing Branch	Ltr. questioning if they can amend license or need a special license (1 page)
25. 10/25/57	Research, Curtiss-Wright Corp		Radioisotope shipping document (1 page)
26. 11/04/57	Hill, Research Curtiss-Wright Corp	AEC, Division of Civilian Application	Application for license for possession and use of Special Nuclear Materials (6 pages)
27. 12/09/57	Johnson, Licensing Branch	Strauser, Division of Classification	SNM Application - Curtiss-Wright Corp, Docket No. 70-106 (1 page)
28. 12/16/57	Nash, Classification Branch	Johnson, Licensing Branch	Review of Docket No. 70-106 (1 page)
29. 12/20/57	Delaney, AEC	Files	Curtiss-Wright Corp, Application for SNM License (1 page)
30. 12/20/57	Johnson, Licensing Branch	Hill, Research Curtiss-Wright	Reference to application for special nuclear material license executed 11/26/57 (1 page)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
31. 12/20/57	Johnson, Licensing Branch	Hill, Research Curtiss-Wright	Ltr. w/special nuclear material license SNM-156 (2 pages)
32. 01/08/58	Roberts, Research Curtiss-Wright	Roth, AEC	Ltr. stating issuance of Special Nuclear Material License SNM-156 (2 pages)
33. 01/28/58	Corley, Research Services Branch	Roberts, Research Curtiss-Wright	Request for information on uranium dioxide (3 pages)
34. 04/08/58	Corley, Research Services Branch	Smith, Research Curtiss-Wright	Uranium Isotopic Samples (3 pages)
35. 05/12/58	Hill, Research Curtiss-Wright	Price, AEC	Application for License for Possession and Use of Special Nuclear Material (10 pages)
36. 05/26/58	Roberts, Research Curtiss-Wright	Johnson, Licensing Branch	Ltr. questioning steps to have material allocated (1 page)
37. 06/05/58	McCallum, Jr.	Files	Curtiss-Wright Corp Application for Amendment to License SNM-156 Docket No. 70-106 (1 page)
38. 06/06/58	Delaney, Materials Branch	Mann, Division of Inspection	Applications-Special Nuclear Material License (2 pages)
39. 06/13/58	Delaney, Materials Branch	Hill, Research Curtiss-Wright	Ltr. w/Special Nuclear Material License No. SNM-156, as amended (3 pages)
40. 07/11/58	Johnson, Licensing Branch	Mattison, Sec. of Health	Ltr. in accordance with established procedure (3 pages)
41. 12/16/58	Curtiss-Wright Corp	AEC	Alarm System and Emergency Procedures Required by Code of Federal Regulation, Title 10, Chapter 1, Part 70, Section 70.24 (6 pages)
42. 01/13/59	Johnson, Licensing Branch	Beck, Hazards Evaluation Branch	Procedures & Equipment for Compliance w/Section 70.24 (1 page)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
43. 01/19/59	Beck, Hazards Evaluation Branch	Johnson, Licensing Branch	Compliance w/Amendment to Title 10, Part 70 (1 page)
44. 02/03/59	DeLaney, Materials Branch	Lake, Research Curtiss-Wright	Ltr. in response to 12/16/58 ltr. (1 page)
45. 05/31/59	AEC	Curtiss-Wright, Research Division	Certification of Status of Radioisotope program (1 page)
46. 01/07/60	Johnson, AEC	Curtiss-Wright, Research Division	Nuclear Material Draft (1 page)
47. 03/08/60	Lake, Research Curtiss-Wright	AEC, Division of Licensing and Regulations	Amendment of License for Possession and Use of Special Nuclear Material (2 pages)
48. 03/09/60	Fallon, Attorney Curtiss-Wright	AEC, Licensing & Regulations	Application for License for Possession and Use of Special Nuclear Material (3 pages)
49. 03/22/60	Johnson, Licensing Branch	Beck, Hazards Evaluation Branch	Curtiss-Wright Corp request dated 03/09/60 for an amendment to their special nuclear material license no. SNM-156-Docket No70-106 (1 page)
50. 04/22/60	Beck, Hazards Evaluation Branch	Johnson, Licensing Branch	Curtiss-Wright Corp (2 pages)
51. 05/12/60	Fallon, Attorney Curtiss-Wright	DeLaney, Materials Branch	Application for Amendment of License SNM-156 (4 pages)
52. 05/20/60	Johnson, Licensing Branch	Case, Hazards Evaluation Branch	Curtiss-Wright Corp Docket 70-106 (1 page)
53. 05/31/60	Case, Hazards Evaluation Branch	Johnson, Licensing Branch	Curtiss-Wright Corp (1 page)
54. 06/03/60	Dickey, Research Curtiss-Wright	AEC, Licensing and Regulations	Curtiss-Wright Corp in accordance w/phone call of 06/01/60 (3 pages)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
55. 06/09/60	Johnson, Licensing Branch	Beck, Hazards Evaluation Branch	Curtiss-Wright Corp request dated 06/03/60 for amendment to their license SNM-156-Docket 70-106 (1 page)
56. 06/21/60	Beck, Hazards Evaluation Branch	Johnson, Licensing Branch	Curtiss-Wright Corp (1 page)
57. 06/23/60	Lane, AEC	Files	Curtiss-Wright Corp Application dated 03/09/60, as supplemented May 12, and June 3, 1960, for amendment to license SNM-156-Docket 70-106 (1 page)
58. 06/27/60	Delaney, Materials Branch	Dickey, Research Curtiss-Wright	Ltr. w/special nuclear material license no. SNM-156, as amended (2 pages)
59. 07/19/60	Delaney, Materials Branch	Dickey, Research Curtiss-Wright	Ltr. w/corrected copy of license no. SNM-156, as amended 06/27/60 (2 pages)
60. 08/17/60	Lane, AEC	Files	Curtiss-Wright Corp Application dated 03/08/60 for amendment to their license SNM-156 Docket No. 70-106 (1 page)
61. 08/24/60	Delaney, Materials Branch	Dickey, Research Curtiss-Wright	Ltr. w/special nuclear material license SNM-156, as amended (2 pages)
62. 08/25/60	Delaney, Materials Branch	Dickey, Research Curtiss-Wright	Ltr. w/reference made to Special Nuclear Material License SNM-156 Docket 70-106 (1 page)
63. 08/25/60	Mason, Isotopes Branch	Beam Curtiss-Wright	Ltr. that refers to inspection conducted on April 25,26,27,1960 (1 page)
64. 09/26/60	Delaney, Materials Branch	Kirchner, Research Curtiss-Wright	1959 Annual Report (14 pages)
65. 10/20/60	Sanders, Research Curtiss-Wright	AEC, Licensing and Regulations	License No. SNM-156, Docket No. 70-106 (8 pages)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
66. 10/24/60	Wheelock, Research Curtiss-Wright	AEC, Licensing and Regulations	Ltr. w/sketches of shipping containers in connection w/application (4 pages)
67. 10/25/60	Curtiss-Wright	AEC	Application for Special Nuclear Material License (9 pages)
68. 10/31/60	Delaney, Materials Branch	Luke, Criticality Evaluation Branch	Curtiss-Wright Corp request dated 10/20/60-Docket 70-106 (1 page)
69. 11/03/60	Delaney, Materials Branch	Luke, Criticality Evaluation Branch	Curtiss-Wright Corp application dated 10/24/60 Docket 70-106 (1 page)
70. 11/08/60	Delaney, Materials Branch	Strauser, Division of Classification	Classification review of SNM application by Curtiss-Wright Corp-Docket 70-106 (1 page)
71. 11/16/60	McCreless, AEC	Files	Curtiss-Wright Corp request dated 10/25/60 for amendment to special nuclear material license no. SNM-156, as amended, docket no. 70-106 (1 page)
72. 11/17/60	AEC, Materials Branch	Kirkman, AEC NY Operations Off.	Classified Material Receipt (2 pages)
73. 11/23/60	AEC	Curtiss-Wright Corp.	Radiation Safety Check, Docket No. 70-106 (1 page)
74. 11/23/60	Delaney, Materials Branch	Hill, Research Curtiss-Wright	Ltr. w/special nuclear material license no. SNM-156, as amended (2 pages)
75. 12/16/60	Wheelock, Research Curtiss-Wright	Lane, Licensing and Regulations	License No. SNM-156, Docket No. 70-106 (3 pages)
76. 12/27/60	Delaney, Materials Branch	Luke, Criticality Evaluation Branch	Curtiss-Wright Corp research division application dated 12/16/60 Docket No. 70-106 (1 page)
77. 12/27/60	Delaney, Materials Branch	Wheelock, Research Curtiss-Wright	License No. SNM-156, Docket No. 70-106 (4 pages)



<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
78. 01/12/61	Luke, Criticality Evaluation Branch	Delaney, Materials Branch	Curtiss-Wright Corp 12/16/60-Docket 70-106 (1 page)
79. 01/18/61	Wheelock, Research Curtiss-Wright	Lane, Licensing and Regulations	Reference Docket 70-106 License SNM-156 transportation procedures (3 pages)
80. 01/18/61	Delaney, Materials Branch	Wheelock, Research Curtiss-Wright	Ltr. allocating use under license SNM-156 (2 pages)
81. 03/13/61	Lake, Research Curtiss-Wright	AEC, Licensing and Regulations	Application for amendment of License No. SNM-156 (4 pages)
82. 03/17/61	Lake, Research Curtiss-Wright	AEC, Licensing and Regulations	Application for amendment of License No. SNM-156 (3 pages)
83. 04/05/61	Delaney, Materials Branch	Luke, Criticality Evaluation Branch	Curtiss-Wright Corp dated March 13 & 17, 1961-Docket No. 70-106 (1 page)
84. 05/18/61	Luke, Criticality Evaluation Branch	Nussbaumer, Source & Special Nuclear Materials Branch	Curtiss-Wright Corp Docket 70-106 (1 page)
85. 05/25/61	Nussbaumer, Source & Special Nuclear Materials Branch	Lake, Research Curtiss-Wright	Ltr. w/special nuclear material license no. SNM-156, as amended (2 pages)
86. 03/12/62	Wheelock, Research Curtiss-Wright	AEC, Licensing and Regulations	Procedures for shipment of special nuclear material (13 pages)
87. 03/19/62	Nussbaumer, Source & Special Nuclear Materials Branch	Beck, Process Evaluation Branch	Curtiss-Wright Corp application of 03/12/62 for shipping procedure approval (1 page)
88. 03/19/62	Nussbaumer, Source & Special Nuclear Materials Branch	Luke, Criticality Evaluation Branch	Curtiss-Wright Corp application of 03/12/62 for shipping procedure approval (1 page)
89. 03/22/62	Beck, Process Evaluation Branch	Nussbaumer, Source & Special Nuclear Materials Branch	Curtiss-Wright Corp application of 03/12/62 for shipping procedure approval (1 page)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
90. 03/23/62	Luke, Criticality Evaluation Branch	Nussbaumer, Source & Special Nuclear Materials Branch	Curtiss-Wright Corp application of 03/12/62 Docket 70-106, Shipping procedures (2 pages)
91. 03/20/62	Nussbaumer, Source & Special Nuclear Materials Branch	Wheelock, Research Curtiss-Wright	Notice of license expiration (1 page)
92. 04/04/62	Nussbaumer, Source & Special Nuclear Materials Branch	Wheelock, Research Curtiss-Wright	Ltr. further amending license SNM-156 (1 page)
93. 04/13/62	Wheelock, Research Curtiss-Wright	Nussbaumer, Source & Special Nuclear Materials Branch	Expiration of License SNM-92 (2 pages)
94. 09/14/64	Layfield, Source & Special Nuclear Materials Branch	Wheelock, Research Curtiss-Wright	Ltr. requesting 3 copies of company's latest annual financial report (1 page)
95. 09/28/64	Sutherland, Security Officer Curtiss-Wright	Layfield, Source & Special Nuclear Materials Branch	Ltr. advising that SNM-92 is no longer in effect (2 pages)
96. 04/15/65	Nussbaumer, Source & Special Nuclear Materials Branch	Knesel, Classification Br.	Classification review of items re Curtiss-Wright Corp. Docket No. 70-106 (4 pages)
97. 06/01/65	Diggs, Mail & Records Supervisor	Sutherland, Security Officer Curtiss-Wright	Ltr. stating that classified portion of 10/25/60 application for special nuclear material license has been declassified (1 page)
98. 09/10/65			NUMEC Field Irradiator, Model M8 (11 pages)
99. 09/10/65	AEC	NUMEC	Application for byproduct material license (2 pages)
100. 09/10/65	Puechl, NUMEC	Cunningham, Isotopes Branch	Request for amendment to by-product license 37-4456-3 (H67) operation of a 17,000 Curie Cobalt-60 Irradiator at Grand Forks, ND (1 page)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
101. 09/16/65	Howell	Cunningham	Note re: Harem from NUMEC regarding their Cobalt 60 irradiator (9 pages)
102. 10/05/65	Puechl, NUMEC	Cunningham, Isotopes Branch	Addendum to request for amendment to by-product license 37-4456-3 (H67) (3 pages)
103. 10/14/65	Howell, Isotopes	NUMEC, Plutonium Lab	Ltr. referring to license 37-8467-3 (1 page)
104. 10/14/65	AEC	NUMEC	Byproduct Material License, license no. 37-8467-3 (J67) (2 pages)
105. 11/01/65	Caldwell, NUMEC	Howell, Isotopes Branch	TWX, ref license NBR 37-8467-3 "J67" (1 page)
106. 11/03/65	Caldwell, NUMEC	Howell, Isotopes Branch	Request for amendment to by-product license 37-8467-3 (J67) (6 pages)
107. 11/03/65	Nussbaumer, Source & Special Nuclear Materials Branch	Sutherland, Security Officer Curtiss-Wright	Notice of license expiration (1 page)
108. 11/08/65	AEC		Amendment No. 1 to license 37-8467-3 (J67) (1 page)
109. 12/01/65	Graham, Wright Aeronautical Div. Curtiss-Wright	Nussbaumer, Source & Special Nuclear Materials Branch	Expiration of License No. SNM-156 (3 pages)
110. 04/20/66	Puechl, NUMEC	Cunningham, Isotopes Branch	Request for amendment to by-product license 37-8467-3 (J67) (3 pages)
111. 05/06/66	Howell, Isotopes Branch	Puechl, NUMEC	Ltr. in regard to 4/20/66 ltr. (1 page)
112. 06/13/66	Puechl, NUMEC	Howell, Isotopes Branch	Ltr in reply to 5/6/66 ltr (14 pages)
113. 07/06/66	Puechl, NUMEC	Howell, Isotopes Branch	Ltr. providing add'l info to supplement 6/13/66 ltr. (2 pages)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
114. 07/22/66	AEC	NUMEC	Byproduct Material License, License No. 37-08467-03, amendment no. 2 (3 pages)
115. 12/20/66	AEC	NUMEC	Application for byproduct material license (7 pages)
116. 01/13/67	AEC	NUMEC	Byproduct Material License, License No. 37-08467-03, amendment no. 3 (1 page)
117. 02/06/67	Puechl, NUMEC	Cunningham, Isotopes Branch	TWX requesting modification to byproduct license 37-8467-3, J67 (1 page)
118. 02/13/67	AEC	NUMEC	Byproduct Material License, License No. 37-08467-03, amendment no. 4 (1 page)
119. 03/27/67	NUMEC	AEC	Ltr. in response to 3/25/68 phone call w/sketch 5 (3 Pages)
120. 04/14/67	McBride, Div of Materials Licensing	Shapiro, NUMEC	Ltr. stating AEC consents to transfer of licenses (1 page)
121. 04/25/67	Brown, National Lead Company	Aikens, AEC Irradiated Fuels Br	Ltr. trans. the on behalf of PSU, to cover shipment of spent MTS-type fuel (3 pages)
122. 04/26/67	Penn State University	AEC, Savannah River Plant	Safety summary report for shipping MTR-type irradiated nuclear elements for March (124 pages)
123. 05/02/67	Geisler, Penn State University	Aikens, AEC Irradiated Fuels Br	Ltr. advising that they have authorized Natl. Lead Co. to carry out the work (2 pages)
124. 05/08/67	Osborn, Penn State University	Aikens, AEC Irradiated Fuels Br	Telegram applying for a license to authorize shipments of irradiated fuels, pursuant to National Lead's 4/25/67 submittal (2 pages)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
125. 06/21/67	AEC, Savannah River Plant	Penn State University	Safety summary report for shipping MTR-type irradiated nuclear elements 6/21/67 (34 pages)
126. 06/27/67	Brown, National Lead Company	Aikens, AEC Irradiated Fuels Br	Ltr. trans. the following on behalf of PSU: shipment of slightly irradiated & practically fresh MTR-type fuel elements (4 pages)
127. 07/07/67	Osborn, PSU	Aikens, AEC Irradiated Fuels Br	Fax applying for a license to authorize shipment of irradiated fuels pursuant to Natl. Lead's 6/21/67 submittal (2 pages)
128. 07/12/67	McBride, AEC Div of Materials Licensing	Osborn, PSU	Ltr. stating license SNM-1006 is amended in response to 7/7/67 application (4 pages)
129. 07/12/67	Lindberg, AEC Irradiated Fuels Br	Aikens, AEC Irradiated Fuels Br	PSU, Docket No. 70-1054, SNM-1006, amendment for shipping Curtiss-Wright (7 pages)
130. 08/17/67	Caldwell, NUMEC	Brinkman, AEC	Application for by product license Quehanna nuclear facility (1 page)
131. 08/24/67	AEC	NUMEC	Byproduct Material License, License No. 37-04456-08 (3 pages)
132. 09/01/67	Churchill, Isotopes Branch	Palladino, Penn State University	Ltr. about AEC license authorizing NUMEC to use large quantities of Cobalt-60 (1 page)
133. 09/01/67	Churchill, Isotopes Branch	Palladino, PSU	Ltr. about AEC license authorizing NUMEC (1 page)
134. 10/05/67	Vizzini, PE Radiation Process Development	Davis, Div of Materials Licensing	Ltr. referencing licensing of NRI-300 Irradiators for Natick (2 pages)
135. 10/27/67	Caldwell, NUMEC	Cunningham, Isotopes Branch	Renewal of By-Product License 37-8467-3 (J67) and application (3 pages)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
136. 10/30/67	Caldwell, NUMEC	Churchill, Isotopes Branch	Amendment of By-Product License 37-04456-08 (9 pages)
137. 11/14/67	Smedley, NUMEC	Davis, Isotopes Branch	Ltr. w/resumes as per phone conversation (7 pages)
138. 11/14/67			Notes on conversation w/Lorenz concerning NUMEC Quehanna 37-4456-8 (2 pages)
139. 11/16/67	Ruchanan, Isotopes Branch	Smedley, NUMEC	Ltr. w/amendment no. 1 to license no. 37-04456-08 (2 pages)
140. 11/16/67	Buchanon, Isotopes Branch	Smedley, Nuclear Materials & Equip Corp	Ltr. about amendment 1 to license no. 37-04456-08 (1 page)
141. 11/17/67	Smedley, NUMEC	Davis, Isotopes Branch	Ltr. regarding changes in AEC License No. 37-08467-03 (3 pages)
142. 11/17/67	Smedley, NUMEC	Davis, Isotopes Branch	Ltr. about adding names to License 37-08467-03 w/Smedley resume (3 pages)
143. 11/30/67	Vizzini, Resident Project Engineer	Lindberg, Div of Materials Licensing	Ltr. w/sketch showing the proposed shipping arrangement for the NRI-300 Irradiators (2 pages)
144. 12/18/67	AEC	NUMEC	Byproduct Material License (3 pages)
145. 01/19/68	Potter, NUMEC	Buchanan, Isotopes Branch	Amendment of By-Product License 37-04456-08 (29 pages)
146. 02/22/68	Vizzini, PE NUMEC	AEC, Div of Materials Licensing	Ltr. requesting licensing authorization that will allow NUMEC to use the Model 300 Shipping Package w/attachments (24 pages)
147. 03/01/68	Potter, NUMEC	Davis, Isotopes Branch	Amendment of By-Product License 37-04456-08 (14 pages)

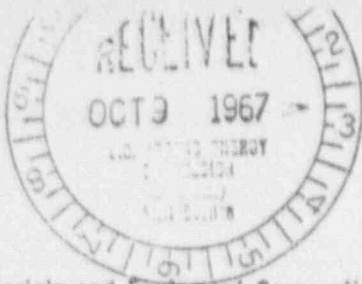
<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
148. 03/11/68	Davis, Isotopes Branch	Files	Analysis of NUMEC's 150,000 Curie Cobalt 60 Pool Irradiator (3 pages)
149. 03/13/68	Vizzini, PE NUMEC	AEC, Isotopes Br	Ltr. in response to 3/12/68 phone call w/copies of sketches I and IV of attachment A of evaluation package (4 pages)
150. 03/15/68	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 2 (2 pages)
151. 06/27/68	Caldwell, NUMEC	Buchanan, Isotopes Branch	Amendment of By-Product License 37-04456-08 (33 pages)
152. 08/14/68	Potter, NUMEC	Buchanan, Isotopes Branch	Amendment of By-Product License 37-04456-08, change increases quantity of Co-60 (3 pages)
153. 08/22/68	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 3 (2 pages)
154. 08/22/68	Caldwell, NUMEC	Buchanan, Isotopes Branch	TWX requesting immediate approval of Dr. A. Witt as a licensed user for by-product license 37-04456-08 (1 page)
155. 08/23/68	NUMEC	AEC	Application for Byproduct Material License (4 pages)
156. 08/26/68	Breuer, NUMEC	AEC, Div of Material Licensing	Change of Radiation Protection Officer (4 pages)
157. 08/30/68	Davis, Isotopes Branch	Breuer, NUMEC	Ltr. in response to 8/26/68 request (1 page)
158. 08/30/68	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 4 (1 page)
159. 08/30/68	Davis, Isotopes Branch	Breuer, NUMEC	Ltr. in response to 8/26/68 ltr. and application (1 page)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
160. 11/05/68	Potter, NUMEC	Davis, Isotopes Branch	Amendment of By-Product License 37-04456-08 Reference Application Dated 1/27/68, signed by Caldwell (5 pages)
161. 11/26/68	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 5 (2 pages)
162. 01/03/69	Hendler, CO	Davis, DML	Memo route slip, NUMEC Apollo, Pa., License no. 37-4456-8 (2 pages)
163. 01/13/69	NUMEC	AEC	Application for Byproduct Material License (4 pages)
164. 01/13/69	Caldwell, NUMEC	Cunningham, Isotopes Branch	37-04456-08, Chap. 4 amendments, personnel qualifications & plant safety committee operations (12 pages)
165. 01/13/69	Caldwell, NUMEC	Cunningham, Isotopes Branch	TWX, Amendment to 37-04456-08 to add individual users (1 page)
166. 01/13/69	Caldwell, NUMEC	Cunningham, Isotopes Branch	37-04456-08, Chap. 4 Amendments, Personnel qualifications & plant safety committee operations (13 pages)
167. 01/14/69			Notes from phone call to Epstein, Region I (2 pages)
168. 01/15/69			Notes from call to R.W. Caldwell, RE: TWX rec'd 1/13/69 (1 page)
169. 01/31/69	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 6 (2 pages)
170. 01/31/69	NUMEC	Davis, Isotopes Branch	TWX, Byproduct License no. 37-04456-08 (1 page)
171. 01/31/69	Davis, Isotopes Branch	Caldwell, NUMEC	Ltr. about amendment no.6 to license 37-04456-08 (1 page)



<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
172. 02/06/69	Caldwell, NUMEC	Cunningham, Isotopes Branch	1/14/69 application to permit Ir-192 encapsulation (1 page)
173. 03/10/69	NUMEC	AEC	Application for byproduct material license (3 pages)
174. 04/02/69	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 7 (1 page)
175. 04/11/69		AEC	Field Irradiator Model M-8 Project No. 19062 (6 pages)
176. 04/14/69		AEC	Steady State Temp Estimates for NMI M-8, Job No. 19062-0-000 (8 pages)
177. 04/16/69	Ebert, NUMEC	Chitwood, Div of Material Licensing	Ltr. requesting special permission to permit shipment of 40,000 curies of Cobalt 60 contained in NUMEC Field irradiator (2 pages)
178. 04/21/69	Chitwood, Div of Material Licensing	Shapiro, NUMEC	Ltr. w/amendment no. 6 to License no. 37-08467-03 (8 pages)
179. 05/29/69	Caldwell, NUMEC	Davis, Isotopes Branch	TWX, Byproduct License 37-04456-08, wish to add names to approved users list (1 page)
180. 06/06/69	NUMEC	AEC	Application for Byproduct Material License (3 pages)
181. 06/17/69		AEC	Notes on call rec'd from Reitler concerning NUMEC 37-4456-8 (1 page)
182. 06/18/69	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 8 (1 page)
183. 06/30/69	NUMEC	AEC	Application for Byproduct Material License (7 pages)
184. 08/13/69	Reitler, NUMEC	Davis, Isotopes Branch	Addition of Licensed User to Byproduct License 37-04456-08 (3 pages)

<u>DATE</u>	<u>ORIGINATOR</u>	<u>TO</u>	<u>DESCRIPTION</u>
185. 08/26/69	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 9 (1 page)
186. 10/27/69	NUMEC	AEC	Application for Byproduct Material License (3 pages)
187. 11/20/69	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 10 (4 pages)
188. 03/06/70	Shapiro, NUMEC	Cunningham, Isotopes Branch	Re: 1/15/69 application for transfer of byproduct materials license 37-04456-08 from NUMEC to Atlantic Richfield Company (4 pages)
189. 03/25/70	AEC	NUMEC	Byproduct Material License, License no. 37-04456-08, amendment no. 11 (1 page)
190. 05/05/70	Henderson, AEC	License File 37-12307-02	Atlantic Richfield's Exemption from License Application Fee (1 page)
191. 06/04/70	Price & Shaw, AEC	McKim, Atlantic Richfield Company	TWX informing of resignation of Shapiro as NUMEC Pres., McKim assuming duties (1 page)
192. 04/07/71	Reitler, NUMEC	Malaro, Isotopes Branch	TWX referring to a telecon concerning transfer of responsibilities from by-product license no. 37-08467-03 (1 page)
193. 04/26/71	AEC	NUMEC	Byproduct Material License, License No. 37-08467-03, amendment no. 7 (3 pages)
194. 00/00/00		AEC	Irradiator Cask End Plate Analysis (4 pages)



# NUMEC

Nuclear Materials and Equipment Corporation

Apollo, Pennsylvania 15613

Telephone GROver 2-8411

Cable NUMEC

October 4, 1967

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Dr. Peter A. Morris  
Director, Division of Reactor Licensing  
Atomic Energy Commission  
Washington, D.C. 20545

Regulatory Suppl File Cy.

Ref: Utilization Facility License No. R-72

Dear Dr. Morris:

We hereby request that the above-captioned license to possess, but not to operate, a nuclear research reactor facility be transferred from The Pennsylvania State University to Nuclear Materials and Equipment Corporation (NUMEC).

As you know, all fuel elements have been removed from the reactor pool. It is not intended to place any fuel elements in the reactor pool in the foreseeable future. In any event, no fuel elements will be inserted in the reactor pool by NUMEC without specific prior approval of the Commission.

For a description of the facility, our radiation safety program and administrative procedures, reference is made to our application for By-product Material License 37-04456-08 (granted August 24, 1967).

NUMEC is a Delaware corporation with principal place of business in Apollo, Pa. It is a wholly owned subsidiary of Atlantic Richfield Company. Neither NUMEC nor Atlantic Richfield Company is controlled or dominated by an alien, a foreign corporation, or foreign government.

NUMEC's directors are:

Mr. R. D. Bent, Senior Vice President, Atlantic Richfield Company, 260 South Broad Street, Philadelphia, Pennsylvania 19101

Mr. R. W. Reed, Financial Vice President, Atlantic Richfield Company, same address.

Mr. H. B. Weaver, Vice President and General Counsel, Atlantic Richfield Company, same address.

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ACKNOWLEDGED



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Dr. Peter A. Morris

- 2 -

October 4, 1967

Dr. L. M. Richards, President, Atlantic Richfield Hanford Company, P. O. Box 769, Richland, Washington 99352

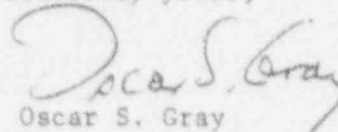
Dr. Zalman M. Shapiro, President, Nuclear Materials and Equipment Corporation, Apollo, Pa.

As to our financial responsibility, reference is made to the letter of Mr. T. F. Bradshaw, President of Atlantic Richfield Company, to the General Manager of the Commission dated April 11, 1967, copy attached, in which Mr. Bradshaw confirms that in our relations with the Government "... NUMEC will be backed by the full financial resources of Atlantic Richfield Company", and to related information as to our financial responsibility which has been previously made available to Mr. Abbadesse's office.

Price Anderson indemnification is also hereby requested; any required information related thereto will be furnished at the appropriate time.

We are informed that this requested transfer is agreeable to The Pennsylvania State University; we and they would appreciate the Commission's assistance in effecting this transfer as soon as possible.

Sincerely yours,



Oscar S. Gray  
Vice President

db

Enclosure

April 11, 1967

Mr. R. E. Hollingsworth  
General Manager  
Atomic Energy Commission  
Washington, D. C. 20545

Dear Mr. Hollingsworth:

I am pleased to confirm to you that, in accordance with the Agreement and Plan of Reorganization which we have previously disclosed to the Commission, Atlantic Richfield Company will acquire the assets of Nuclear Materials and Equipment Corporation, hereafter referred to as "NUMEC," subject to its shareholders' approval at a meeting to be held on April 14, 1967. A new subsidiary corporation has been formed under the same name as the present company, and this wholly-owned subsidiary, hereafter referred to as "New NUMEC," will carry on the business and assume all the obligations of NUMEC to the Atomic Energy Commission.

We look forward with enthusiasm to the opportunity of service to the Commission and the public which this acquisition presents, and greatly appreciate the courtesy of the Commission in meeting with us on April 3, 1967, in Washington to discuss our plans.

As we stated at that time, Atlantic Richfield will be fully responsible to the Commission for any obligations of



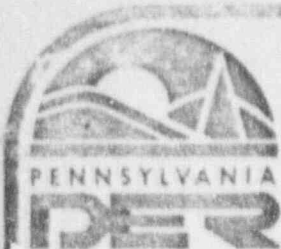
Mr. R. E. Hollingsworth  
Page 2  
April 11, 1967

New NUMEC to the Commission, or to Commission contractors for the benefit of the Commission. I hope that this unequivocal statement will assure the Commission as to New NUMEC's financial responsibility with respect to Commission business. In its relations with the Government New NUMEC will be backed by the full financial resources of Atlantic Richfield, and we will not assert against the Government any limitation of responsibility predicated on the separate corporate identity of New NUMEC.

To acquaint the Commission more fully with New NUMEC's varied capabilities for contributing toward your program, we would like to renew NUMEC's previous invitations to you and the Commissioners to visit its plants at Apollo and Parks Township, Pa., and see for yourselves the technical facilities which have been built up over the past ten years, to which Dr. Seaborg so graciously alluded at our meeting. Dr. Shapiro will be delighted to make the necessary arrangements if you would let him know whenever such a visit may be convenient.

Sincerely,

/s/ T. F. Bradshaw



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Office of Chief Counsel  
Bureau of Hazardous Sites  
and Superfund Enforcement  
City Towers Building, Suite 410  
301 Chestnut Street  
Harrisburg, PA 17101-2702  
(717) 787-9368

November 23, 1990

CERTIFIED MAIL # P 328 749 540

Director  
Division of Freedom of Information  
and Publication Services  
Office of Administration  
United States Nuclear Regulatory Commission  
Washington, DC 20555

FREEDOM OF INFORMATION  
ACT REQUEST

FOIA-90-558  
Rec'd 12-12-90

Re: Freedom of Information Act Request

Dear Sir/Madam:

I hereby request, pursuant to the Freedom of Information Act, certain documents related to the Quehanna Nuclear Reactor Facility, a/k/a the Quehanna Nuclear Research Reactor Facility, a/k/a the Curtiss-Wright Nuclear Research Laboratory, a/k/a the Quehanna Radioisotopes Pilot Plant, and a/k/a the Quehanna Radiation Process Center, located near Karthaus, Pennsylvania:

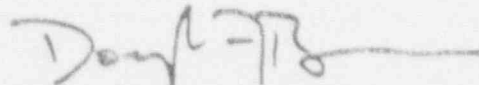
1. License Number "R-36", issued to Curtiss-Wright, probably in 1958, and amendments (including June, 1959, and October, 1960).
2. License Number "R-72", probably issued in December, 1960, to Penn State University, and amendments (including July, 1961; December, 1962; November, 1967; and January, 1969).
3. By-Product Materials License Number 19-1398-29, issued to either Penn State University or Martin-Marietta Corporation, and any amendments.
4. License Number "R-72", issued to Martin-Marietta Corporation, probably in 1960, and any amendments.
5. By-Product Materials or Other License Number 19-1398-29 (F64), issued to Martin-Marietta Corporation, probably in June, 1962, including any amendments/renewals (including September, 1963, and September, 1964). Please also provide copies the contract documents related to the work performed pursuant to License Number 19-1398-29 and amendments.

~~9-20-2027B~~  
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6. License Number "R-72", issued to Nuclear Materials and Equipment Corporation ("NUMEC"), probably in November, 1967, including amendments (including January, 1969; March, 1969; and December, 1971).
7. By-Product Materials License Number 37-04456-08, probably issued to NUMEC, including amendments.
8. License Number "R-72", issued to Atlantic Richfield Company, probably in December, 1971, including amendments.
9. By-Product Materials License Number 37-12307-02, probably issued to ARCO and any amendments/revisions/renewals.
10. Any other licenses, permits, or other authorizations for any person or entity to store, process, or otherwise utilize nuclear materials at the Quehanna facility since 1959.
11. Any termination letters, orders, or other written correspondence to any of the licensees indicating the licensee's responsibility, or lack thereof, regarding cleanup and/or monitoring of contamination at the Quehanna facility, including such correspondence at the close of any licensee's active operations at the Quehanna facility.

Please send the requested documents to the address shown above, or if it would be more convenient, please indicate to me a location and time for me to review the documents. Thank you for your attention to this matter, and if you have any questions, please contact me.

Sincerely,



Douglas F. Brennan  
Assistant Counsel

DFB/dem

cc: Terry Fabian  
Maggie Reilly