

**RESPONSE TO FREEDOM OF
INFORMATION ACT (FOIA) / PRIVACY
ACT (PA) REQUEST**

2004-0234

2

RESPONSE TYPE ☐ FINAL ☒ PARTIAL

REQUESTER

Matthew S. Hammel

DATE

AUG 11 2005

PART I. - INFORMATION RELEASED

- ☐ No additional agency records subject to the request have been located.
- ☐ Requested records are available through another public distribution program. See Comments section.
- ☐ APPENDICES ☐ Agency records subject to the request that are identified in the listed appendices are already available for public inspection and copying at the NRC Public Document Room.
- ☒ APPENDICES **B,C, D,E**** Agency records subject to the request that are identified in the listed appendices are being made available for public inspection and copying at the NRC Public Document Room.
- ☐ 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, NW, Washington, DC.
- ☐ APPENDICES ☐ Agency records subject to the request are enclosed.
- ☐ Records subject to the request that contain information originated by or of interest to another Federal agency have been referred to that agency (see comments section) for a disclosure determination and direct response to you.
- ☒ We are continuing to process your request.
- ☒ See Comments.

PART I.A - FEES

AMOUNT *

\$

- ☐ You will be billed by NRC for the amount listed. ☐ None. Minimum fee threshold not met.
- ☐ You will receive a refund for the amount listed. ☐ Fees waived.

* See comments
for details**PART I.B - INFORMATION NOT LOCATED OR WITHHELD FROM DISCLOSURE**

- ☐ No agency records subject to the request have been located.
- ☐ Certain information in the requested records is being withheld from disclosure pursuant to the exemptions described in and for the reasons stated in Part II.
- ☐ This determination may be appealed within 30 days by writing to the FOIA/PA Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001. Clearly state on the envelope and in the letter that it is a "FOIA/PA Appeal."

PART I.C COMMENTS (Use attached Comments continuation page if required)

The incoming FOIA/PA request is located in ADAMS at ML041314167.

**** Continuation of Appendices listing records being made available for public inspection and copying at the NRC Public Document Room under this response: F, G, and H**

SIGNATURE - FREEDOM OF INFORMATION ACT AND PRIVACY ACT OFFICER

Russell A. Nichols

APPENDIX B
RECORDS BEING RELEASED IN ENTIRETY
 (* Indicates Copyrighted Document)

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 1. | 02/11/57 | Memorandum from C. K. Beck, to L. Johnson, (AEC), re: SNM License for Mallinckrodt Chemical Works (1 pg) |
| 2. | 02/04/58 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Special Nuclear Materials License No. SNM-33 request for modification to include blending facility (8 pgs) |
| 3. | 02/20/58 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Special Nuclear Materials License No. SNM-33 request for approval of a new production facility to produce uranium oxides for assays up to greater than 90% U ²³⁵ content (3 pgs) |
| 4. | 02/20/58 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Special Nuclear Materials License No. SNM-33 request for modification with regard to the section of the plant licensed to handle up to 5% enriched uranium dioxide (2 pgs) |
| 5. | 02/20/58 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Special Nuclear Materials License No. SNM-33 request for expansion of license to include a UO ₂ pelleting facility (3 pgs) |
| 6. | 02/25/58 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Special Nuclear Materials License No. SNM-33 request expansion of license to include the preparation of UO ₂ F ₂ and UO ₂ (NO ₃) ₂ (2 pgs) |
| 7. | 03/03/58 | Note re: Modifications described in three letters approved by concurrence on letter from Licensing Branch to Mallinckrodt (1 pg) |
| 8. | 03/06/58 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), re: Modifications to Mallinckrodt License No. SNM-33 (Project No. 70) (1 pg) |
| 9. | 03/14/58 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Special Nuclear Materials License No. SNM-33 requesting additional information on applications for amendment (3 pgs) |
| 10. | 04/15/58 | Memorandum from R. F. Barker, to C. K. Beck, (NRC), re: Mallinckrodt 's request for Bureau of Explosives' approval for less than carload shipments of bird cages containing UO ₂ (1 pg) |

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APPENDIX B - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 11. | 04/17/58 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works Application for Amendment of SNM-33 (1 pg) |
| 12. | 07/07/58 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Shipping Containers (1 pg) |
| 13. | 08/21/58 | Memorandum from C. K. Beck, to E. R. Fleury, (AEC), Mallinckrodt Chemical Works Request for Uniform Shipping Containers (2 pgs) |
| 14. | 12/10/58 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Special Nuclear Materials License No. SNM-33 and erection of new building at Hematite, MO, special nuclear material processing plant (4 pgs) |
| 15. | 12/16/58 | Draft of Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works (2 pgs) |
| 16. | 12/16/58 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works re: approval of two shipping containers (1 pg) |
| 17. | 12/29/58 | Handwritten notes, Mallinckrodt Telegram Leaders - L. Johnson 12/29/58 (1 pg) |
| 18. | 12/30/58 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works re: review of Mallinckrodt request for temporary permission to ship 4.2% enriched uranium dioxide from St. Louis to Lynchburg, Va (1 pg) |
| 19. | 12/30/58 | Handwritten notes, Mallinckrodt Chem. Wks. Leaders - L. Johnson 12/30/58 (1 pg) |
| 20. | 01/07/59 | Letter from L. Johnson, AEC, to W. M. Leaders, Mallinckrodt Chemical Works requiring justification prior to authorization of attached TWX transmittal for one-time only transfer of material (2 pgs) |
| 21. | Undated | Handwritten Draft of Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works (3 pgs) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 22. | Undated | Typed Draft of Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works (1 pg) |
| 23. | 01/26/59 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works re: review of 12/10/58 request for amendment to permit pelleting operations on uranium enriched to 5% U-235 in a new facility at Hematite, Missouri (1 pg) |
| 24. | 01/29/59 | Typed Draft of Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works (1 pg) |
| 25. | 01/30/59 | Handwritten note, Mallinckrodt 01/30/59 Answers memo of 1/26 re: pellet plant (1 pg) |
| 26. | 02/05/59 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Special Nuclear Materials License No. SNM-33 - Shipping Containers (4 pgs) |
| 27. | 02/05/59 | Handwritten note, Mallinckrodt 02/05/59 Proposal 5 gallon drum in "55 shorty" (3 pgs) |
| 28. | 02/05/59 | Diagram "with Mallinckrodt 2/5 Application" (1 pg) |
| 29. | 02/05/59 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works re: review of 12/30/58 request modifying application of 10/13 and 11/14 (1 pg) |
| 30. | 02/09/59 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Special Nuclear Materials License No. SNM-33 - Shipping Containers for Fuel Elements (4 pgs) |
| 31. | 02/11/59 | Letter from W. M. Leaders, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: request to arrange a meeting for February 26, at Germantown, to discuss in detail applications for shipping containers (1 pg) |
| 32. | 02/11/59 | Handwritten note, Mallinckrodt TWX 2/11/59 (1 pg) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 33. | 02/25/59 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works re: review of 01/30/59 application supplying answers to all but one of the questions raised in 01/26/59 memorandum (1 pg) |
| 34. | 04/27/59 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works re: review of 02/05/59 application requesting approval of two shipping containers for uranium dioxide (2 pgs) |
| 35. | 04/27/59 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works re: review of 02/09/59 application requesting approval of shipping procedure for fuel pins for Allis-Chalmers (1 pg) |
| 36. | 05/11/59 | Letter from G. W. Tompkin, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Direct Conversion of UF ₆ to UF ₄ (3 pgs) |
| 37. | 05/25/59 | Letter from G. W. Tompkin, Mallinckrodt Chemical Works, to L. Johnson, NRC, re: Direct Conversion of UF ₆ to UF ₄ (2 pgs) |
| 38. | 05/25/59 | Memorandum from C. D. Luke, to Files, through C. K. Beck, (AEC), re: telephone conversation with G. W. Tompkin re: shipping containers for uranium oxide (1 pg) |
| 39. | 06/02/59 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Nuclear Corporation Request of May 11, 1959, as Supplemented May 25, 1959, for Amendment to Their Special Material License - Docket No. 70-36 (1 pg) |
| 40. | 06/22/59 | Memorandum from E. G. Case, to L. E. Johnson, (AEC), Mallinckrodt Nuclear Corporation review of May 11 and May 25, 1959 letters requesting amendment to License SNM-33 (1 pg) |
| 41. | 06/23/59 | Memorandum from E. G. Case, to L. E. Johnson, (AEC), Mallinckrodt Nuclear Corporation review of June 5, 1959 letter describing plans for proposed alarm system and emergency evacuation procedure (1 pg) |
| 42. | 07/24/59 | Letter from F. Keitlin, Mallinckrodt Nuclear Corporation, to L. Johnson, NRC, re: response to request for further information on the nuclear alarm system at Hematite (5 pgs) |

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APPENDIX B - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 43. | 10/12/59 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Nuclear Corporation letter dated July 24, 1959, submitting additional information on the alarm system and emergency procedure (1 pg) |
| 44. | 11/20/59 | Draft Memorandum from C. K. Beck, to L. E. Johnson, (AEC), review of November 13 telegram from Mallinckrodt, requesting an additional 90-day extension of temporary approval of shipping procedures for low enriched oxide (1 pg) |
| 45. | 11/25/59 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), review of November 13 telegram from Mallinckrodt, requesting an additional 90-day extension of temporary approval of shipping procedures for low enriched oxide (3 pgs) |
| 46. | 02/10/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to C. D. Luke, NRC, re: telephone conversation of January 27, 1960 on Shipping Regulations (2 pgs) |
| 47. | 02/17/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: Special Nuclear Material License No. SNM-33 (8 pgs) |
| 48. | 02/27/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to C. D. Luke, NRC, re: Shipping Regulations (3 pgs) |
| 49. | 03/02/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: Special Nuclear Material License No. SNM-33 (11 pgs) |
| 50. | 03/02/60 | Handwritten, 3/2 Ref. Drwgs 6448 and 6574 (1 pg) |
| 51. | 03/03/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: Extension of Special Nuclear Material License No. SNM-33 to include 55-Gallon "Shorty" 5-Gallon Pail Shipping Container (5 pgs) |
| 52. | 03/16/60 | Letter from C. D. Luke, NRC, to L. J. Swallow, Mallinckrodt Nuclear Corporation, re: telephone conversation of January 27, 1960 and letter of February 10, 1960 (2 pgs) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 53. | 04/11/60 | Memorandum from E. Katine, to H. V. Werner, (AEC), re: Mallinckrodt Direct UF ₆ to UF ₄ Process and Metal Production for all U-235 Enrichments (30 pgs) |
| 54. | 04/14/60 | Letter from E. H. Dencker, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: request for extension of special nuclear material license No. SNM-33 (5 pgs) |
| 55. | 04/16/60 | Letter from E. H. Dencker, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: extension of special nuclear material license No. SNM-33 to include a new storage facility (3 pgs) |
| 56. | 04/16/60 | Handwritten, Request for approval of new storage facility at Hematite for material enriched to 5% (3 pgs) |
| 57. | 04/26/60 | Handwritten, Mallinckrodt Visit, 4/26/60 (1 pg) |
| 58. | 05/05/60 | Trip Report, from E. Katine and J. E. McLaughlin, to L. R. Solon, (AEC), Visit to Mallinckrodt Nuclear Corporation on April 26, 1960 (3 pgs) |
| 59. | 05/13/60 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), review of Mallinckrodt application dated April 14, 1960, requesting approval of a uranium recovery process (1 pg) |
| 60. | 05/18/60 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), review of Mallinckrodt application dated March 3, 1960, requesting approval of shipping procedures for uranium compounds having a maximum enrichment of 10% (1 pg) |
| 61. | 05/18/60 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), review of Mallinckrodt application dated March 2, 1960, requesting approval of shipping procedures (1 pg) |
| 62. | 05/23/60 | Memorandum from C. D. Luke, AEC, to J. E. McLaughlin, NYOO, re: discussion of the Muffle box cooling process at the Hematite plant (2 pgs) |
| 63. | 05/24/60 | Memorandum from E. G. Case, to L. E. Johnson, (AEC), Mallinckrodt Nuclear Corporation review of April 16, 1960 application requesting |

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RECORDS BEING RELEASED IN ENTIRETY

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|------------|-------------|--|
| | | approval of a proposed new storage facility and procedures for storing uranium materials enriched to 5% in U-235 (2 pgs) |
| 64. | 07/08/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: Extension of SNM-33 to include a birdcage for the shipment of UF ₆ in 8" diameter cylinders (3 pgs) |
| 65. | 07/08/60 | * The Wall Street Journal, Mallinckrodt Chemical Say's '60 Net to Top '59, Company Expects Sales, Earnings to Rise 10% to 15%, Bigger Boost in Profit than Sales (1 pg) Copyrighted |
| 66. | 07/25/60 | Handwritten, Mallinckrodt's 7/8/60 proposed birdcage for 8" UF ₆ cylinders (4 pgs) |
| 67. | 08/16/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: Extension of SNM-33 to Include a Bird Cage for Eight Inch Diameter UF ₆ cylinders (5 pgs) |
| 68. | 08/25/60 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Nuclear Corporation, July 8, 1960, re: request review of proposed methods for shipping eight-inch UF ₆ cylinders (1 pg) |
| 69. | 10/06/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: SNM-33 Extension: Contaminated Trash Incinerator (4 pgs) |
| 70. | 11/09/60 | Memorandum from C. K. Beck, to L. E. Johnson, (AEC), Mallinckrodt Chemical Works - October 6, 1960 - Docket 70-36 re: October 19, 1960 memorandum which forwarded request to operate an incinerator for uranium-containing wastes (1 pg) |
| 71. | 11/17/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: Extension of SNM-33 to Include a 20" Bird Cage and Shipping Container (2 pgs) |
| 72. | 11/23/60 | Memorandum from C. D. Luke, to J. C. Delaney, (AEC), re: Mallinckrodt Chemical Works application dated November 17, 1960 requesting approval of shipping procedures for uranium metal and compounds (1 pg) |

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APPENDIX B - continued
RECORDS BEING RELEASED IN ENTIRETY

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|-------------------|--------------------|---|
| 73. | 12/05/60 | * C&EN Industry & Business, Mallinckrodt Revamps Corporate Structure, Medicinal, industrial, nuclear, and operations get divisional status; goal is greater flexibility (1 pg) Copyrighted |
| 74. | 12/14/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: SNM-33, request for amendment to license to permit processing up to 6% enriched uranium in "limited safe" batch quantities (1 pg) |
| 75. | 12/15/60 | Letter from L. J. Swallow, Mallinckrodt Nuclear Corporation, to J. C. Delaney, NRC, re: SNM-33, request for amendment to license to permit LTL, LCL, Railway Express, or air shipments of uranium compounds of any enrichment in the export bird cage shown on drawing 3226-5 (2 pgs) |
| 76. | 01/04/61 | Memorandum from C. D. Luke, to J. C. Delaney, (AEC), re: Mallinckrodt Nuclear Division, re: review of application dated December 14, 1960 requesting amendment of license to permit processing up to 6% enriched uranium (1 pg) |
| 77. | 01/05/61 | Memorandum from C. D. Luke, to J. C. Delaney, (AEC), re: Mallinckrodt Nuclear Division, re: review of application dated December 15, 1960 requesting approval of revised shipping procedures (1 pg) |
| 78. | 03/31/61 | Letter from R. L. Kirk, AEC, to L. J. Swallow, Mallinckrodt Chemical Works, re: denial of application dated December 15, 1960 for amendment to License SNM-33 to authorize the use of an 11 gauge steel inner container for birdcage type shipments (1 pg) |
| 79. | 08/02/61 | Note from P. Hogroian, AEC, to Files, re: cross reference, report of visits to M&C Nuclear Inc and United Nuclear Corp (1 pg) |
| 80. | 10/17/61 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Enriched Uranium Shipment, Docket 70-36 with attachment on shipping container specifications (3 pgs) |
| 81. | 01/04/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear (Hematite), Docket 70-36, November 17, 1961 - review of |

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APPENDIX B - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| | | proposed shipping container for low enriched uranium compounds of up to 3% enrichment (2 pgs) |
| 82. | 01/16/62 | Memorandum from C. Beck, to D. A. Nussbaumer, (AEC), re: United Nuclear (Hematite), Docket 70-36, November 17, 1961 - review of proposed shipping container for structural integrity (4 pgs) |
| 83. | 01/30/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation (Mallinckrodt), Application for renewal December 13, 1961 -- Docket 70-36 (1 pg) |
| 84. | 01/31/62 | Letter from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: amendment to license SNM-33 to authorize the use of a proposed container for the shipment of low enriched uranium compounds enriched up to 3% U-235 by LTL, LCL, or Railway Express (3 pgs) |
| 85. | 02/06/62 | Handwritten notes, shipping container specs (3 pgs) |
| 86. | 02/08/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear (Mallinckrodt), February 6, 1962 - Docket 70-36, re: shipment of UO ₂ for Japan (1 pg) |
| 87. | 02/12/62 | Notice from J. C. Delaney, AEC, to L. J. Swallow, United Nuclear Corporation, re: authorization under license SNM-33 to ship by exclusive use of vehicle to San Francisco low enriched uranium compounds (1 pg) |
| 88. | 02/27/62 | Handwritten notes, United Nuclear - Mallinckrodt (1 pg) |
| 89. | 03/07/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear - Mallinckrodt -- Docket 70-36, re: approval denied regarding shipping procedures for low enriched oxides (1 pg) |
| 90. | 03/07/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear - Mallinckrodt -- Docket 70-36, re: applications dated December 28, 1961 and January 5, 1962, approval denied regarding shipping procedures for UO ₂ pellets with enrichments up to 5% U-235 (3 pgs) |
| 91. | 03/07/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear - Mallinckrodt -- Docket 70-36, re: Renewal of License (1 pg) |

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APPENDIX B - continued
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| 92. | 03/20/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Shipping Container Application dated February 27, 1962 (Docket 70-36), re: comments following review of application (2 pgs) |
| 93. | 04/20/62 | Notice from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: authorization under license SNM-33 to ship low enriched uranium compounds enriched up to 3% U-235 (1 pg) |
| 94. | 04/20/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation TWX requesting approval for shipment uranium metal (1 pg) |
| 95. | 05/17/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation Letter Dated May 10, 1962 re: Fuel Rod Shipping Container - Docket 70-36 (1 pg) |
| 96. | 06/08/62 | Notice from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: authorization to ship LTL UO ₂ fuel rods under license SNM-33 (1 pg) |
| 97. | 06/15/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation's Application for Amendment to License SNM-33 to Include Dry UO ₂ (5% Maximum Enrichment) Pellet Vacuum Degassing and Tube Loading - May 14, 1962 - Docket 70-36 (2 pgs) |
| 98. | 06/22/62 | Handwritten notes, 105 stacks (1 pg) |
| 99. | 06/25/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear's (Mallinckrodt) Application for Amendment to License SNM-33, Requesting One-Time-Only Permit to Process 93% Enriched and 6.1% Enriched UO ₂ Into Pellets - June 7, 1962 - Docket 70-36 (1 pg) |
| 100. | 06/00/62 | Notice from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: authorization for UO ₂ Pellet Vacuum Degassing and Loading Station Operations (1 pg) |

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APPENDIX B - continued
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|------------|-------------|---|
| 101. | 08/03/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear (Mallinckrodt) June 7 and July 16, 1962, Docket 70-36, re: review of requested information in connection with the pelletizing of small quantities of 93% and 6.1% enriched UO ₂ (1 pg) |
| 102. | 08/06/62 | Notice from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: authorization of activities described in application dated June 7, 1962 with exceptions (1 pg) |
| 103. | 08/14/62 | Memorandum from C. D. Luke, AEC, to CEB Files, re: telephone conversation with L. Swallow and request to use previously approved container (2 pgs) |
| 104. | 09/06/62 | Memorandum from S. R. Sapirie, to K. J. Bloch, (AEC), re: Responsibility for Health and Safety in Mixed Facilities (1 pg) attach.: 09/05/62 Letter from S. R. Sapirie, AEC, to C. D. Harrington, United Nuclear Corporation, re: Preliminary Health Protection Review - United Nuclear Corporation (3 pgs) |
| 105. | 09/20/62 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: SNM-33 - Storage of Uranium Compounds (3 pgs) |
| 106. | 10/08/62 | Letter from Director, Division of Licensing and Regulation, AEC, to C. D. Harrington, United Nuclear Corporation, re: inspection conducted on September 6 and 7, 1962 of activities under SNM-33 (5 pgs) |
| 107. | 10/19/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear (Mallinckrodt) - Extension of SNM-33 to Include Additional Plant Capacity for Conversion of Low Enrichment (6% UF ₆ to ADU - Application Dated 2/26/62 - Docket 70-36 (1 pg) |
| 108. | 10/26/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear (Mallinckrodt) License SNM-33, Shipping Container for 20% Enriched UF ₄ (Application Dated 8/16/62) and for 20% Enriched U ₃ O ₈ (Application Dated 10/15/62), Docket 70-36 (1 pg) attach.: Handwritten calculations (4 pgs) |

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APPENDIX B - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 109. | 10/31/62 | Memorandum from C. D. Luke, to L. Dubinski, Attn: R. Chitwood, (AEC), re: Compliance Inspection: United Nuclear, Chemical Division, Docket 70-36 (2 pgs) |
| 110. | 11/01/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation letter dated July 23, 1962 - Docket 70-36 (1 pg) attach.: Handwritten calculations (2 pgs) |
| 111. | 11/01/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation Request of September 20, 1962 to Amend License SNM-33 - Docket 70-36 (1 pg) |
| 112. | 11/01/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation letter dated October 24, 1962 re: Shipping Container for Uranium Compounds and Solutions - Docket 70-36 (1 pg) |
| 113. | 11/00/62 | Graph, Permissible Values - full water reflector, any enrichment or moderation (1 pg) |
| 114. | 11/14/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear (Chemical Division), Docket 70-36 (1 pg) attach.: Handwritten graph and calculations - Safe Values (2 pgs) |
| 115. | 11/27/62 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear (Chemical Division), Docket 70-36, TWX November 14, 1962 (1 pg) |
| 116. | 11/29/62 | Notice from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: authorization to increase in batch size for pellet vacuum degassing of up to 3.25% enriched UO ₂ (1 pg) |
| 117. | 12/07/62 | Letter from Director, Division of Licensing and Regulation, AEC, to C. D. Harrington, United Nuclear Corporation, re: response to letter dated November 7, 1962 of steps taken to correct deficiencies (1 pg) |
| 118. | 12/12/62 | Memorandum from C. D. Luke, to B.J. Rock, (AEC), re: United Nuclear, Chemical Division, Docket 70-36, incorrect building designations on correspondence (1 pg) |

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APPENDIX B - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 119. | 02/15/63 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation - SNM-33 Extension to Permit Manufacture of Uranium Dioxide Pellets Having Enrichments Greater Than Five Percent - Docket 70-36 (1 pg) attach.: Handwritten calculations (1 pg) |
| 120. | 05/06/63 | Letter from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: amendment to license SNM-33 to authorize the use of the shipping container shown on Drawings SK 251-1-5 and SK 8 transmitted in October 24, 1962 letter (1 pg) |
| 121. | 06/17/63 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Hematite License Amendment - Docket 70-36, dated June 7, 1963 (2 pgs) attach.: Handwritten calculations (4 pgs) |
| 122. | 06/21/63 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear, Docket 70-36, re: unsafe practices employed by United Nuclear using the graph of Figure 13, from a Los Alamos report, LAMS 2415 (1 pg) |
| 123. | 06/25/63 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation - Manufacture of Uranium Dioxide Pellets Having Enrichments Greater Than Five Percent - Docket 70-36 - January 25 and June 17, 1963 (1 pg) |
| 124. | 06/27/63 | Memorandum from D. A. Nussbaumer, to C. D. Luke, (AEC), re: United Nuclear Corporation - Correspondence dated June 17, 1963 - Docket No. 70-36 - adequacy of reply (1 pg) |
| 125. | 07/01/63 | Letter from J. G. Terrill, Jr., Department of Health, Education and Welfare (DHEW), to R. Lowenstein, AEC, forwarding draft of notes made at 05/22/63 meeting with RI State Dept of Health and H. K. Ferguson Co., and a draft report entitled "Environmental Hazards Associated with Fuel Fabrication Facilities" (13 pgs) |
| 126. | 07/02/63 | Memorandum from T. G. McCreless, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation - Docket 70-36, January 25, and June 7, 17, |

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APPENDIX B - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| | | & 27, 1963 - review of additional information contained in TWX dated 06/27/63 (1 pg) |
| 127. | 07/05/63 | Memorandum from T. G. McCreless, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation - Docket 70-36, January 25, and June 7, 17, & 27, 1963 - review of additional information contained in TWX dated July 3, 1963 (1 pg) |
| 128. | 07/08/63 | Notice from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: authorization manufacture of uranium dioxide pellets having U ²³⁵ enrichments greater than 5% (1 pg) |
| 129. | 07/15/63 | Various pages from General Information and Procedures Applicable to Handling of Special Nuclear Material (12 pgs) |
| 130. | 07/24/63 | Memorandum from D. A. Nussbaumer, to C. D. Luke, (AEC), re: United Nuclear Corporation, Chemicals Division, Hematite, Missouri, Consolidated Application dated July 15, 1963 for Renewal of Special Nuclear Material License No. SNM-33, Docket 70-36 (1 pg) |
| | | attach.: 07/15/63 Letter from J. A. Lindberg, United Nuclear Corporation, to E. R. Price, AEC, response to request for additional information (2 pgs) |
| 131. | 07/31/63 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Hematite, Missouri - Commingling of Off-Site SNM Shipments - Docket 70-36, July 15, 1963 (1 pg) |
| 132. | 10/22/63 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division, Review of Application for Renewal, Docket No. 70-36, July 15, 1963 (7 pgs) |
| 133. | 11/27/63 | Letter from C. W. Kuhlman, UNC, to E. R. Price, AEC, Application for source and special nuclear material licenses for UNC's scrap plant facilities at Wood River Junction, Rhode Island (2 pgs) |
| 134. | 11/27/63 | Mail Control Form transmitting letter from UNC, to E. R. Price, AEC (1 pg) |

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RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 135. | 12/03/63 | Letter from L. J. Swallow, UNC, to E. R. Price, AEC, Application for source and special nuclear material licenses for UNC's scrap plant facilities at Wood River Junction, Rhode Island (1 pg) |
| 136. | 12/03/63 | Mail Control Form transmitting letter from UNC, to E. R. Price, AEC (1 pg) |
| 137. | 12/13/63 | Letter from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: request for information per enclosure in order to continue review of renewal application (8 pgs) |
| 138. | 01/06/64 | Letter from L. J. Swallow, UNC, to E. R. Price, AEC, Application for source and special nuclear material licenses for UNC's scrap plant facilities at Wood River Junction, Rhode Island (2 pgs) |
| 139. | 01/06/64 | Mail Control Form transmitting letter from UNC, to E. R. Price, AEC (1 pg) |
| 140. | 01/09/64 | Letter from R. W. Shearer, UNC, to E. R. Price, AEC, request for immediate and temporary license approval for storage only of pickle liquor at Wood River Junction site (1 pg) |
| 141. | 01/09/64 | Mail Control Form transmitting letter from UNC, to E. R. Price, AEC (1 pg) |
| 142. | 01/09/64 | Special Nuclear Material License authorizing storage only in accordance with procedures specified in 11/27/63 application and letter supplements dated 01/06/64 and 01/09/64 (1 pg) |
| 143. | 01/16/64 | Letter from W. R. Devor, H. K. Ferguson Company, to C. D. Luke, AEC, per telephone request, submitting drawings for AEC use (1 pg) |
| 144. | 01/16/64 | Mail Control Form from W. R. Devor, H. K. Ferguson Company, to C. D. Luke, AEC (1 pg) |
| 145. | 01/22/64 | Letter from R. L. Layfield, AEC to United Nuclear Corp., re UNC's application date 11/27/63 (5 pgs) |

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RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 146. | 01/28/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division - Manufacture 6.5 KG Uranium Biscuits - Docket No. 70-36, December 4, 1963 (1 pg) |
| 147. | 01/30/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division, Amendment to Manufacture and Store 6.5 KG Uranium Billets - Docket No. 70-36 - January 28, 1964 (1 pg) |
| | attach.: | 01/28/64 TWX Larger Uranium Metal Biscuits (2) Telephone Conversation of 1/27/64 (2 pgs) |
| 148. | 01/31/64 | Letter from L. J. Swallow, UNC, to E. R. Price, AEC, re: Application for source and special nuclear material licenses for UNC's scrap plant facilities at Wood River Junction, Rhode Island (24 pgs) |
| 149. | 01/31/64 | Mail Control Form transmitting letter from L. J. Swallow, UNC, to E. R. Price, AEC (1 pg) |
| 150. | 02/04/64 | Letter from L. J. Swallow, UNC, to E. R. Price, AEC, re: Application for source and special nuclear material licenses for UNC's scrap plant facilities at Wood River Junction, Rhode Island (11 pgs) |
| 151. | 02/04/64 | Mail Control Form transmitting letter from L. J. Swallow, UNC, to E. R. Price, AEC (1 pg) |
| 152. | 02/06/64 | Mail Control Form transmitting letter from UNC to E. Price, AEC, re supplemental financial info than that given in UNC's 1963 Annual Report (1 pg) |
| 153. | 02/06/64 | Letter from R. W. Shearer, UNC, to E. R. Price, AEC, Application for source and special nuclear material licenses for UNC's scrap plant facilities at Wood River Junction, Rhode Island (5 pgs) |
| 154. | 02/13/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: UNC's application for scrap recovery plant dated 01/31/64 (5 pgs) |
| 155. | 02/18/64 | Letter from L. J. Swallow, UNC, to E. R. Price (R. Layfield), AEC, re: Application for source and special nuclear material licenses for UNC's scrap plant facilities at Wood River Junction, Rhode Island (1 pg) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 156. | 02/18/64 | Mail Control Form transmitting letter from L. J. Swallow, UNC, to E. R. Price (R. Layfield), AEC (1 pg) |
| 157. | 02/19/64 | Handwritten letter from L. J. Swallow, UNC, to E. R. Price (R. Layfield), AEC, re: Application for source and special nuclear material licenses for UNC's scrap plant facilities at Wood River Junction, Rhode Island (13 pgs) |
| 158. | 02/19/64 | Letter from L. J. Swallow, UNC, to E. R. Price (R. Layfield), AEC, re: Application for source and special nuclear material licenses for UNC's scrap plant facilities at Wood River Junction, Rhode Island (5 pgs) |
| 159. | 02/19/64 | Mail Control Form transmitting letter from L. J. Swallow, UNC, to E. R. Price (R. Layfield), AEC (1 pg) |
| 160. | 02/21/64 | Letter from R. W. Shearer, UNC, to R. L. Price, AEC, re: discussion of February 19, 1964 and submitting various revised pages from General Information and Procedures Manual (7 pgs) |
| 161. | 02/21/64 | Mail Control Form transmitting letter from R. W. Shearer, UNC, to R. L. Price, AEC (1 pg) |
| 162. | 02/24/64 | Letter from L. J. Swallow, United Nuclear Corporation, to E. Price, AEC, re: SNM-33 Amendment to Include Shipping Container BE-1351 (diagrams of Container BE-1351 attached) (6 pgs) |
| 163. | 02/24/64 | Handwritten calculations of shipping container (1 pg) |
| 164. | 02/26/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: UNC's application for scrap recovery plant dated 11/27/63 and 01/31/64 (2 pgs) |
| 165. | 02/27/64 | Collect communication from United Nuclear to D. A. Nussbaumer, AEC, confirming telecon on February 26, 1964 requiring information concerning application for SNM license at Rhode Island (2 pgs) |
| 166. | 03/03/64 | Mail Control Form transmitting letter from L. J. Swallow, UNC, to E. R. Price (R. Layfield), AEC (1 pg) |

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| 167. | 03/04/64 | Memorandum from D. A. Nussbaumer, to C. D. Luke, (AEC), re: United Nuclear Corporation, SNM-33 Amendment to Include Shipping Container BE-1351, February 28, 1964, Docket 70-36 (1 pg) attach.: Letter from L. J. Swallow, United Nuclear Corporation, to E. Price, AEC, re: additional copies of photographs of the drop test performed on subject container (5 pgs) |
| 168. | 03/05/64 | Letter from E. R. Price, AEC, to C. W. Kuhlman, UNC, re: SNM License SNM-777 which incorporates procedures for receipt and storage of pickle liquors as authorized by SNM-763 (4 pgs) |
| 169. | 03/05/64 | Memorandum from D. A. Nussbaumer, to E. R. Price, (AEC), re: request for withholding pursuant to 10 CFR 2.790(b) (2 pgs) |
| 170. | 03/05/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: UNC's proposal to operate a fully enriched uranium scrap recovery processing plant at Wood River Junction, Rhode Island (2 pgs) |
| 171. | 03/09/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division, Amendment to Produce and Ship 6.5% UO ₂ Pellets - Docket No. 70-36, December 19, 1963 (1 pg) attach.: 03/06/64 handwritten calculations (1 pg) |
| 172. | 03/09/64 | Memorandum from R. B. Chitwood, to J. M. Allen, to R. B. Chitwood, (AEC), re: Part 70 Inspection, United Nuclear Corporation, Hematite, Missouri - License No. SNM-33 - Docket No. 70-36 (2 pgs) attach.: 02/18-19/64 Copy of inspection report (7 pgs) |
| 173. | 03/17/64 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: SNM-33 - Amendment to Permit Blending Fully Enriched UO ₂ with Natural T _H O ₂ in the Pellet Plant (1 pg) |
| 174. | 03/19/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division, Shipping Containers and Procedures - Docket No. 70-36, July 15 and December 19, 1963, and February 24, 1964 (2 pgs) |

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RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
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| 175. | 03/20/64 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: Request for new allocations for Hematite, Missouri, facility (1 pg) |
| 176. | 03/23/64 | Letter from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: request for information concerning renewal of SNM-33 and amendment of SNM-33 (1 pg) |
| 177. | 03/31/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division, Amendment to Blend U(93.5)O ₂ with T _H O ₂ - Docket No. 70-36, March 17, 1964 (2 pgs) |
| 178. | 03/31/64 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: Amendment to Permit Blending of Fully Enriched U(93.5)O ₂ with Natural T _H O ₂ in the Pellet Plant (2 pgs) |
| | attach.: | 03/21/64 Schematic of Centerless Grinder Water Circulation System (1 pg) |
| 179. | 04/06/64 | Telegram from L. J. Swallow, UNC, to D. A. Nussbaumer, AEC, requesting amendment to SNM-777 to include procedures approved by SNM-63 (1 pg) |
| 180. | 04/06/64 | Mail Control Form transmitting telegram from L. J. Swallow, UNC, to D. A. Nussbaumer, AEC (1 pg) |
| 181. | 04/08/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: Shipping Container for Scrap (1 pg) |
| | attach.: | 03/26/64 suggested reply re: approvment of Shipping Container (1 pg) |
| | attach.: | 03/23/64 TWX Incoming, L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: Shipping Container (1 pg) |
| 182. | 04/09/64 | Collect communication from R. L. Layfield, AEC, to L. J. Swallow, UNC, re: amendment to SNM-777, Item 8 (2 pgs) |
| 183. | 04/10/64 | TWX Incoming, L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: Amendment for Blending U(93.5)O ₂ and T _H O ₂ in Pellet Plant (1 pg) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 184. | 04/15/64 | Letter from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: Amendment to SNM-33 to authorize fabrication of uranium oxide pellets of any U-235 enrichment (1 pg) |
| 185. | 04/23/64 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: Renewal of SNM-33 (2 pgs) attach.: additional information requested in letter dated December 13, 1963 (7 pgs) |
| 186. | 04/23/64 | Various pages from General Information and Procedures Applicable to Handling of Special Nuclear Material (5 pgs) |
| 187. | 04/23/64 | Figure I, Organizational Chart of United Nuclear Corporation, Chemicals Division (1 pg) |
| 188. | 04/23/64 | Figure 19, Recovery Hood 240-2-26 (1 pg) |
| 189. | 05/08/64 | Handwritten calculations re: shipping containers (1 pg) |
| 190. | 05/11/64 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: SNM-33 Amendment for LTL Shipments between United Nuclear Corporation Plants at Hematite, Missouri and New Haven, Connecticut (2 pgs) attach.: 05/11/64 Shipping Route and Transfer Points for Shipments of Uranium Metal and Uranium Compounds (1 pg) attach.: 05/11/64 Certificate for Non-Commingling of Source or Special Nuclear Material (1 pg) |
| 191. | 05/20/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division, Certificate for Non-Commingling of Special Nuclear Material Involving Transshipment - Docket No. 70-36, May 15, 1964 (1 pg) attach.: 05/15/64 Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: SNM-33 Amendment for LTL Shipments between United Nuclear Corporation Plants at Hematite, Missouri and New Haven, Connecticut (1 pg) attach.: 05/15/64 Amended 05/11/64 Certificate for Non-Commingling of Special Nuclear Material (1 pg) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
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| 192. | 05/21/64 | Note from R. H. Odegaurden, to Files, (AEC), re: United Nuclear Corporation, Chemicals Division, U(93.5)O ₂ - ZrO ₂ Blending - Docket No. 70-36, May 20, 1964 (1 pg) |
| 193. | 05/25/64 | Notice from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: authorization to ship special nuclear material from facility at Hematite, Missouri, to New Haven, Connecticut (1 pg) |
| 194. | 05/26/64 | Letter from D. A. Nussbaumer, AEC, to L. J. Swallow, United Nuclear Corporation, re: consolidated application for renewal of SNM-33 dated July 15, 1963, as supplemented December 19, 1963, and February 24, 1964 (4 pgs) |
| 195. | 05/26/64 | TWX from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC, requesting extension of Licenses SNM-33, SNM-368 and SNM-777 to permit shipment of uranium-bearing solutions under conditions in TWX (2 pgs) |
| 196. | 05/26/64 | Mail Control Form transmitting TWX from UNC to D. A. Nussbaumer, AEC (1 pg) |
| 197. | 05/27/64 | TWX from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC, Correcting Line 4 of Item 6 of TWX dated 05/26/64 re: shipment of uranium-bearing solutions under conditions in TWX (1 pg) |
| 198. | 05/27/64 | Mail Control Form transmitting TWX from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC (1 pg) |
| 199. | 06/01/64 | Memorandum from R. L. Stevenson, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation - Shipping Dilute Solutions - Docket Nos. 70-36, 70-371, and 70-820, Telegrams dated May 26 & 27, 1964 (4 pgs) |
| 200. | 06/02/64 | TWX from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC, Adding text to Item 2 of TWX dated 05/26/64 (1 pg) |
| 201. | 06/02/64 | Mail Control Form transmitting TWX from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC (1 pg) |

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RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 202. | 06/03/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation - Shipping Dilute Solutions - Docket No. 70-36, 70-371, and 70-820, June 2, 1964 TWX (2 pgs) |
| 203. | 06/03/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: UNC - Shipping Dilute Solutions - Docket Nos. 70-36, 70-371, and 70-820, June 2, 1964 TWX (1 pg) |
| 204. | 06/08/64 | Collect communication from D. A. Nussbaumer, AEC, to H. S. Kalish, UNC, amending SNM-33, SNM-368, and SNM-777 to authorize shipment of uranium-bearing solutions per application dated 05/26/64 (1 pg) |
| 205. | 06/08/64 | Letter from D. A. Nussbaumer, AEC, to H. S. Kalish, UNC, authorizing under licenses SNM-33, SNM-368, and SNM-777, the shipment of uranium-bearing solutions per application dated 05/26/64 (1 pg) |
| 206. | 06/10/64 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: SNM-33 Amendment for LTL Shipments between United Nuclear Corporation Plants at Hematite, Missouri and Numec Corporation at Apollo, Pennsylvania (2 pgs) |
| | attach.: | 06/10/64 Shipping Route and Transfer Points for Shipments of Special Nuclear Material (1 pg) |
| | attach.: | undated Certificate for Non-Commingling of Source or Special Nuclear Material (1 pg) |
| 207. | 06/17/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division, Certificate for Non-Commingling of Special Nuclear Material Involving Transshipment - Docket No. 70-36, June 10, 1964 (1 pg) |
| 208. | 06/18/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division, Renewal Application, Docket No. 70-36, April 23, 1964 (3 pgs) |
| 209. | 06/20/64 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: SNM-33 Amendment for Processing and Shipping Fully Enriched UO ₂ -ZrO ₂ Pellets (1 pg) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
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| 210. | 06/25/64 | TWX from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC, requesting permission to make shipments of product from Charlestown, RI Fuels Recovery Plant (1 pg) |
| 211. | 06/25/64 | Mail Control Form transmitting TWX from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC (1 pg) |
| 212. | 06/26/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation - Processing Fully Enriched UO ₂ -ZrO ₂ Pellets - Docket No. 70-36, June 20, 1964 (2 pgs) |
| 213. | 06/30/64 | TWX from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC, clarification of wire dated 06/25/64 re: alternate shipping container (2 pgs) |
| 214. | 06/30/64 | Mail Control Form transmitting TWX from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC (1 pg) |
| 215. | 07/01/64 | TWX from UNC, to D. A. Nussbaumer, AEC, request to make corrections to wire dated 06/30/64 (1 pg) |
| 216. | 07/01/64 | Mail Control Form transmitting TWX from UNC, to D. A. Nussbaumer, AEC (1 pg) |
| 217. | 07/02/64 | Collect communication from D. A. Nussbaumer, AEC, to H. S. Kalish, UNC, amending SNM-777 to authorize shipment in accordance with procedures described in application (1 pg) |
| 218. | 07/02/64 | Memorandum from R. L. Stevenson, to D. A. Nussbaumer, (AEC), re: UNC, Charlestown, RI - alternate shipping container telegrams dated 06/25 & 6/30, and 7/1/64 (1 pg) |
| 219. | 07/07/64 | Collect communication from D. A. Nussbaumer, AEC, to H. S. Kalish, UNC, amending SNM-777 to authorize shipment in accordance with procedures described in application with condition of quality control (1 pg) |
| 220. | 07/07/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Chemicals Division, Renewal Application, Docket No. 70-36, April 23, 1964 (1 pg) |

[Response #2]

APPENDIX B - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------------|--|
| 221. | 07/09/64 | Letter from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC, re: Amendment 4 to SNM-777, Shipment of Uranium-Zirconium Alloy Scrap and attached container specifications (6 pgs) |
| 222. | 07/09/64 | Mail Control Form transmitting letter from H. S. Kalish, UNC, to D. A. Nussbaumer, AEC (1 pg) |
| 223. | 07/14/64 | Memorandum from R. L. Stevenson, to R. L. Layfield, (AEC), re: UNC request for license amendment for shipment of Uranium-Zirconium Alloy Scrap (1 pg) |
| 224. | Undated | United Nuclear Corporation, Hematite, Missouri, Docket No.70-33, Scrap Recovery Operations (3 pgs) |
| 225. | 07/15/64 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: SNM-33 Amendment to Include "Item" Plant (1 pg) |
| | attach.: 07/15/64 | page from General Information and Procedures Applicable to Handling of Special Nuclear Material (1 pg) |
| 226. | 07/17/64 | Letter from L. J. Swallow, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: SNM-33 Amendment to Increase Storage of Building 235 (1 pg) |
| | attach.: 07/17/64 | page from General Information and Procedures Applicable to Handling of Special Nuclear Material (1 pg) |
| | attach.: 07/17/64 | Figure 26, Building 235, Location of Storage Shelves and Figure 27, Arrangement of Storage (2 pgs) |
| 227. | 07/17/64 | Letter from R. L. Layfield, AEC, to H. S. Kalish, UNC, amending SNM-777 to authorize shipment of uranium-zirconium alloy scrap (1 pg) |
| 228. | 07/23/64 | Memorandum from D. A. Nussbaumer, to C. D. Luke, (AEC), re: United Nuclear Corporation's Application dated July 15, 1964, for Amendment to License SNM-33 to Include "Item" Plant, Docket 70-36 with handwritten note by R. L. Layfield (1 pg) |
| 229. | 0725/64 | Letter from H. L. Price, AEC, to J. T. Conway, Joint Committee on Atomic Energy (JCAE), confirming telecon concerning criticality accident of 07/24/64 at Wood river Junction, Rhode Island (2 pgs) |

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APPENDIX B - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 230. | 07/26/64 | Memo route slip from H. L. Price, to D. A. Nussbaumer and R. L. Layfield, (AEC), forwarding letter to JCAE, with handwritten note (1 pg) |
| 231. | 07/28/64 | Telegram from J. A. Lindberg, UNC, to R. W. Kirkman, AEC, notification of accidental nuclear criticality incident at Fuels Recovery Plant in Wood River Junction, RI (1 pg) |
| 232. | 07/29/64 | Memorandum from H. W. Crocker, to R. B. Chitwood, (AEC), re: Final Oak Ridge Operations Office Health and Safety Inspection of United Nuclear Corporation Plant at Hematite, Missouri, July 23, 1964 with handwritten notations (2 pgs) |
| 233. | 07/29/64 | Handwritten calculations, Monitor Alarm Calculations (1 pg) |
| 234. | 07/29/64 | Telegram from American Embassy Bonn, Germany to Department of State, requesting details of the nuclear accident at Charleston, RI (1 pg) |
| 235. | 07/29/64 | Telegram from R. C. Johnson, UNC, to R. W. Kirkman, AEC, supplement to previous wire reporting accidental nuclear criticality incident at Fuels Recovery Plant in Wood River Junction, RI (2 pgs) |
| 236. | 07/30/64 | Memorandum from C. D. Luke, to D. A. Nussbaumer, (AEC), re: United Nuclear Corporation, Hematite, Missouri - Increased Storage Capacity of Building 235 - Docket No. 70-36, July 17, 1964 (1 pg) |
| 237. | 07/30/64 | Letter from G. Taylor, American Federation of Labor and Congress of Industrial Organizations (AFLCIO), to R. Lowenstein, AEC, request for copy of any reports and findings on the fatal radiation incident (1 pg) |
| 238. | 07/30/64 | Mail Control Form transmitting letter dated 07/30/64 from G. Taylor, AFLCIO, to R. Lowenstein, AEC (1 pg) |
| 239. | 07/30/64 | Letter from J. A. Lindberg, UNC, to H. L. Price, AEC, notification that operations of a production nature at the plant have ceased (1 pg) |
| 240. | 07/30/64 | Mail Control Form transmitting letter from J. A. Lindberg, UNC, to H. L. Price, AEC (1 pg) |

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APPENDIX B - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 241. | Undated | Cover Sheet of Bulletin CSS-2, Continuous Solids-Solids Blender by the Patterson-Kelly Co., with Handwritten notations, (1 pg) |
| 242. | Undated | Diagram with handwritten notations (1 pg) |
| 243. | 07/31/64 | Handwritten calculations, amendment "Item" Plant (1 pg) |
| 244. | 07/31/64 | Memorandum from E. Keith, to various addresses, (AEC), note of thanks for assistance with public information (1 pg) |

APPENDIX C
RECORDS BEING RELEASED IN ENTIRETY
 (* Indicates Copyrighted Document)

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 1. | 08/03/64 | Note from L. Dubinski, to The Files, (AEC), UNC Operator Training (1 pg) |
| 2. | 08/05/64 | Note from L. E. Johnson, to Files, (AEC), re: Telephone conversation 08/03/64 with D. Shearer, U. S. Public Health Service (1 pg) |
| 3. | 08/06/64 | Letter from H. L. Price, AEC, to H. C. Paxton, Los Alamos Scientific Laboratory, forwarding copy of letter to Mr. Kouts setting up technical review committee (1 pg) |
| 4. | 08/06/64 | Letter from H. L. Price, AEC, to H. J. Kouts, Brookhaven National Laboratory, establishing technical review committee (4 pg) |
| 5. | 08/06/64 | Letter from L. J. Swallow, UNC, to D. A. Nussbaumer, AEC, request for amendment to SNM-777 to include a revision to the storage array, revised sketch of the array and calculations attached (4 pgs) |
| 6. | 08/06/64 | Mail Control Form transmitting letter from L. J. Swallow, UNC, to D. A. Nussbaumer, AEC (1 pg) |
| 7. | 08/07/64 | Letter from H. L. Price, AEC, to J. T. Conway, JCAE, response to inquiry confirming the appointment of a technical review committee (2 pgs) |
| 8. | 08/07/64 | Letter from H. L. Price, AEC, to J. T. Conway, JCAE, forwarding reports from UNC on incident at Wood River Junction, Rhode Island (5 pgs) |
| 9. | 08/07/64 | Memorandum from C. K. Beck, to M. B. Biles, (AEC), Inquiry re: United Nuclear Accident at Rhode Island (1 pg) |
| 10. | 08/07/64 | Memorandum from J. L. Sullivan, to Staff, (AEC), support to be provided to the Technical Review Committee (1 pg) |
| 11. | 08/07/64 | Memorandum from H. L. Price, to Chairman Seaborg, Commissioners Bunting, Palfrey, Ramey, and Tape, (AEC), submitting reports received from UNC on the incident at Wood River Junction, RI (1 pg) |
| 12. | 08/11/64 | Letter from L. D. Low, AEC, to H. J. Kouts, Brookhaven National Laboratory (BNL), list of written materials furnished to members of the Technical Review Committee as of August 11, 1964 (4 pgs) |

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APPENDIX C - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 13. | 08/13/64 | Memo route slip from L. D. Low, to L. E. Johnson, (AEC), with letter from L. D. Low, AEC, to H. J. Kouts, BNL providing copies of signed statements from listed individuals (3 pgs) |
| 14. | 08/13/64 | Letter from various public individuals, to AEC, re: safety of water in the Woodville and Pawcatuck Rivers (1 pg) |
| 15. | 08/14/64 | Letter from R. Lowenstein, AEC, to G. Taylor, AFLCIO, acknowledging receipt of letter dated July 30, 1964 (1 pg) |
| 16. | 08/14/64 | Letter from L. D. Low, AEC, to H. J. Kouts, BNL, re: confirmation of report furnished to BNL re: criticality incident (1 pg) |
| 17. | 08/18/64 | Letter from J. A. Lindberg, UNC, to H. L. Price, AEC, re: need to perform certain operations of a non-production nature at the Fuels Recovery Plant (4 pgs) |
| 18. | 08/21/64 | Letter from H. L. Price, AEC, to J. T. Conway, JCAE, forwarding statement of preliminary information concerning incident at Wood River Junction, Rhode Island (7 pgs) |
| 19. | 08/21/64 | Memo Route Slip from C. S. Shoup, to L. Dubinski, (AEC), re: phone conversation regarding letter signed by 6 residents (1 pg) |
| 20. | 08/24/64 | Memo Route Slip from UNC, to H. L. Price, AEC, re: report entitled "Nuclear Incident At UNC, Wood River Junction, Rhode Island, July 24, 1964" dated 08/21/64 (1 pg) |
| 21. | 08/24/64 | Letter from J. A. Lindberg, UNC, to H. L. Price, AEC, submitting report on nuclear criticality incident at Wood River Junction, Rhode Island (1 pg) |
| 22. | 08/24/64 | Memorandum from L. Dubinski, to R. W. Kirkman, (AEC), re: Letter Concerning Possible Pollution of River Water From Wood River Junction Plant of UNC, RI (1 pg) |
| 23. | 08/24/64 | Letter from H. L. Price, AEC, to J. T. Conway, JCAE, submitting copy of letter dated August 18, 1964 from J. A. Lindberg, UNC (1 pg) |

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APPENDIX C - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 24. | 08/25/64 | Memorandum from C. D. Luke, to Files, (AEC), re: UNC Incident - Meeting of August 24, 1964 (2 pgs) |
| 25. | 08/25/64 | Letter from H. L. Price, AEC, to J. A. Lindberg, UNC, authorizing the receipt of material as specified in August 18, 1964 letter (2 pgs) |
| 26. | 08/26/64 | Letter from E. Earl, Institute for Nuclear Serology Inc., to The Honorable Stewart Udall, Secretary of the Interior, forwarding copy of request for information sent to U. S. Geological Survey and U. S. Department of Interior (2 pgs) |
| 27. | 08/26/64 | Letter from H. L. Price, AEC, to J. T. Conway, JCAE, submitting copy of UNC's report on the nuclear criticality accident on July 24, 1964 (1 pg) |
| 28. | 08/27/64 | Comments on the letter from J. A. Lindberg, UNC, to H. L. Price, AEC, dated August 18, 1964 (2 pgs) |
| 29. | 08/28/64 | Letter from J. A. Lindberg, UNC, to H. L. Price, AEC, submitting internal procedure for inventory of the SNM balance at Wood River Junction plant for comment (7 pgs) |
| 30. | 08/28/64 | Mail Control Form transmitting letter from J. A. Lindberg, UNC, to H. L. Price, AEC (1 pg) |
| 31. | 08/28/64 | Memorandum from L. Dubinski, to R. W. Kirkman, (AEC), re: UNC letter dated August 18, 1964 to H. L. Price (1 pg) |
| 32. | 09/02/64 | Letter from D. A. Nussbaumer, AEC, to L. J. Swallow, UNC, amending SNM-777 to add "August 6, 1964" (1 pg) |
| 33. | 09/03/64 | Letter from G. W. LaPier, Sylvania Electric Products Inc., to H. L. Price, AEC, requesting a copy of the preliminary report issued August 24 on the criticality accident (1 pg) |
| 34. | 09/11/64 | Letter from J. L. Sullivan, AEC, to G. W. LaPier, Sylvania Electric Products Inc., providing requested copy of criticality accident report issued August 24, 1964 (2 pgs) |

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APPENDIX C - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 35. | 09/14/64 | Letter from R. C. Johnson, UNC, to H. L. Price, AEC, submitting revised Inventory Procedure for Fuels Recovery Plant for approval (14 pgs) |
| 36. | 09/14/64 | Mail Control Form transmitting letter from R. C. Johnson, UNC, to H. L. Price, AEC (2 pgs) |
| 37. | 09/14/64 | Letter from H. J. Duncan, Department of the Interior, to E. Earl, Institute for Nuclear Serology Inc., referring inquiry to AEC (1 pg) |
| 38. | 09/14/64 | Mail Control Form transmitting letter from H. J. Duncan, Department of the Interior, to E. Earl, Institute for Nuclear Serology Inc., (1 pg) |
| 39. | 09/15/64 | Letter from R. C. Johnson, UNC, to D. A. Nussbaumer, AEC, submitting general revision to Fuels Recovery Plant license application SNM-777 to incorporate necessary changes discovered in post-accident review of operations (4 pgs) |
| 40. | 09/15/64 | Mail Control Form transmitting letter from R. C. Johnson, UNC, to D. A. Nussbaumer, AEC (1 pg) |
| 41. | 09/16/64 | Letter from L. E. Johnson, AEC, to E. Earl, Institute for Nuclear Serology Inc., re: copy of UNC's Thirty-Day Report (2 pgs) |
| 42. | 09/17/64 | Note from D. A. Nussbaumer, to Dr. M. Mann, (AEC), providing extra copy of UNC's application for license amendment (1 pg) |
| 43. | 09/21/64 | Memorandum from R. H. Odegaarden, to D. A. Nussbaumer, (AEC), re: visit to UNC, Wood River Junction, RI, September 2, 1964 (3 pg) |
| 44. | 09/23/64 | Letter from L. D. Low, AEC, to H. J. Kouts, BNL, providing copy of report entitled "Radiochemical Analysis of the United Nuclear Incident at Wood River Junction, Rhode Island" (14 pgs) |
| 45. | 09/25/64 | Letter from J. A. Lindberg, UNC, to H. L. Price, AEC, confirming scheduled meeting between UNC and AEC on 10/01/64 (1 pg) |
| 46. | 09/29/64 | Memorandum from L. Dubinski, to L. E. Johnson, (AEC), providing copy of trip report to UNC's Scrap Reprocessing Facility on 09/22/64 (8 pgs) |

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APPENDIX C - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 47. | 09/30/64 | Mail Control Form transmitting letter from J. A. Lindberg, UNC, to H. L. Price, AEC (1 pg) |
| 48. | 10/06/64 | Memorandum from L. D. Low, to E. R. Price, (AEC), Compliance Investigative Reports on Incident at Wood River Junction, Rhode Island - United Nuclear Corporation Plant (2 pgs) |
| 49. | 10/07/64 | Letter from L. D. Low, to H. J. Kouts, Chairman, Technical Review Committee, (AEC), confirmation of transmittal of reports dated September 18, 1964, October 2, 1964, and September 30, 1964 (1 pg) |
| 50. | 10/08/64 | Letter from L. D. Low, to H. J. Kouts, (AEC), transmitting copy of report dated September 29, 1964 and supplement dated October 1, 1964 (1 pg) |
| 51. | 10/08/64 | Note from R. W. Kirkman, AEC, to File, United Nuclear Corporation, Scrap Recovery Facility, Wood River Junction, Rhode Island, License No. SNM-777, Type "A" Case - Criticality Incident- Meeting with Management, September 29, 1964 (3 pgs) |
| 52. | 10/12/64 | Letter from D. A. Nussbaumer, AEC, to J. Lindberg, United Nuclear Corporation, request for information as requested in attachment (1 pg) attach.: list of identified information needed (2 pgs) |
| 53. | 10/12/64 | Letter from H. L. Price, AEC, to J. Lindberg, United Nuclear Corporation, reply requested of items as listed in enclosure (1 pg) attach.: 10/12/64 Letter from E. R. Price, AEC, to J. Lindberg, United Nuclear Corporation, non-compliance of certain activities in regard to AEC SNM License No. SNM-777 (5 pgs) |
| 54. | 10/14/64 | Letter from L. D. Low, to H. J. Kouts, Chairman, Technical Review Committee, (AEC), transmittal of correspondence dated October 8, 1964, October 12, 1964, and October 12, 1964 (1 pg) |
| 55. | 10/16/64 | Memorandum from W. G. Browne, AEC, to R. W. Kirkman, AEC, re: Inventory Activities at United Nuclear's Scrap Recovery Facilities, Wood River Junction, Rhode Island (3 pgs) attach.: 1 thru 6 (18 pgs) |

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APPENDIX C - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 56. | 10/16/64 | Letter from H. L. Price, to H. J. Kouts, Chairman, Technical Review Committee, (AEC), offer to furnish copies of material (1 pg) |
| 57. | 10/19/64 | Memorandum from W. G. Browne, AEC, to R. W. Kirkman, AEC, discussion of actions that were in effect prior to July 24, 1964 (3 pgs) |
| 58. | 10/19/64 | Letter from D. F. Cronin, United Nuclear Corporation, to R. W. Kirkman, AEC, results of data collected March 20 through May 20, 1964 (1 pg) |
| 59. | 10/19/64 | Letter from W. L. Allison, United Nuclear Corporation, to H. L. Price, AEC, re: Letter from H. L. Price to J. Lindberg, dated 10/12/64; Letter from E. R. Price to J. Lindberg, dated 10/12/64; and Letter from D. A. Nussbaumer to J. Lindberg dated, 10/12/64 (9 pgs) |
| 60. | 10/21/64 | Letter from H. L. Price, AEC, to J. T. Conway, Joint Committee on Atomic Energy, Congress of the United States, copies of three letters sent to United Nuclear Corporation (3 pgs) |
| 61. | 10/22/64 | Memorandum from H. L. Price, AEC, to Chairman Seaborg, Commissioners Palfrey, Ramey, Tape, and Bunting, instances of noncompliance with Commission regulations by United Nuclear Corporation's operations at Wood River Junction, Rhode Island (2 pgs) |
| 62. | 10/27/64 | Letter from H. L. Price, AEC, to J. T. Conway, JCAE, copy of response from United Nuclear Corporation, to E. R. Price re: investigation of conditions (1 pg) |
| 63. | 10/30/64 | Letter from H. L. Price, AEC, to W. L. Allison, United Nuclear Corporation, non receipt of license applications (1 pg) |
| 64. | 10/30/64 | Note from L. Dubinski, to L. D. Low, (AEC), re: Medical Aspects of Incident Involving Robert D. Peabody (2 pgs) |
| 65. | 10/31/64 | Letter from D. F. Cronin, United Nuclear Corporation, to L. Johnson, and D. A. Nussbaumer, (AEC), notice of authorization to proceed with addendum to experimental program pending AEC concurrence (3 pgs) |
| 66. | 11/02/64 | Memorandum from L. D. Low, to H. L. Price, (AEC), re: Access to Compliance Information and Reports - Dr. E. L. Saenger, (1 pg) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 67. | undated | Letter from H. Kouts, Chairman, Technical Review Committee, to H. L. Price, (AEC), transmittal of the final report of the Technical Review Committee (1 pg) attach.: 11/06/64 Final Report of the Technical Review Committee (34 pgs) |
| 68. | 11/10/64 | Memorandum from H. L. Price, to Chairman Seaborg, Commissioners Palfrey, Ramey, Tape, and Bunting, (AEC), re: United Nuclear Corporation - Wood River Junction, Rhode Island (1 pg) |
| 69. | 11/12/64 | Memorandum from H. L. Price, AEC, to J. T. Conway, JCAE, submittal of report of the Technical Review Committee (1 pg) |
| 70. | 11/23/64 | Special Nuclear Material License SNM-777, as amended (7 pgs) |
| 71. | 11/25/64 | Letter from L. Johnson, AEC, to D. F. Cronin, United Nuclear Corporation, re: SNM-777, as amended (1 pg) |
| 72. | 12/09/64 | Letter from M. M. Shapiro, United Nuclear Corporation, to M. M. Mann, AEC, update regarding the incident at Wood River Junction (8 pgs) |
| 73. | 12/14/64 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request for review and comments of attached sketch and nuclear safety calculations (3 pgs) |
| 74. | 12/15/64 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request for authorization to store enriched uranium scrap (1 pg) |
| 75. | 12/15/64 | TWX from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request for authorization to store enriched uranium scrap (2 pgs) |
| 76. | 12/16/64 | Letter from R. L. Layfield, AEC, to D. F. Cronin, United Nuclear Corporation, SNM Amendment No. 1 |
| 77. | 12/16/64 | Note from R. W. Kirkman and L. Dubinski, (AEC), re: Inspection Report for the December 14, 1964 visit to the Fuels Recovery Facility at Wood River Junction, Rhode Island (6 pgs) |

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APPENDIX C - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 78. | 12/17/64 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, transmittal of proposed Amendment 5 to SNM-777 (9 pgs) |
| 79. | 12/29/64 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), re: license amendment application to permit reworking of residues, small scale pilot plant and other operations (1 pg) |
| 80. | 12/30/64 | Note from L. Dubinski and E. R. Price, (AEC), re: submittal of inspection report for the December 14, 1964 visit (1 pg) |
| 81. | 12/31/64 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, clarification of items on sketch attached to proposed amendment (2 pgs) |
| 82. | 01/08/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM-777 Amendment No. 2 (1 pg) |
| 83. | 01/12/65 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), re: license amendment to permit storage of five one-gallon and two one-liter containers on the west wall (1 pg) |
| 84. | 01/15/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM-777 Amendment No. 3 (1 pg) |
| 85. | 01/19/65 | TWX from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request for authorization to install a Frantz Ferro Magnetic Separator and Hood 1-L-3 A, B, or C (1 pg) |
| 86. | 01/19/65 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, confirming TWX of 01/19/65 requesting amendment to SNM-777 (1 pg) |
| 87. | 01/22/65 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), re: license amendment to authorize the use of a safe geometry magnetic separator in Hood 1-L-3 A, B, or C (1 pg) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 88. | 01/26/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM-777 Amendment No. 4 (1 pg) |
| 89. | 02/22/65 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request for amendment to use an area south of Fuels Recovery Plant as a storage area for uranium or uranium-bearing material in solid form (1 pg) |
| 90. | 03/01/65 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), re: license amendment to permit outdoor storage (1 pg) |
| 91. | 03/02/65 | TWX from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, response re: request for verification of information (1 pg) |
| 92. | 03/05/65 | TWX from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, re: NLS-108, 02/22/65, Amendment 5 SNM-777 and TWX, 03/02/65, additional information (1 pg) |
| 93. | 03/08/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM Amendment No. 5 |
| 94. | 03/11/65 | TWX from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request for amendment to SNM-777 (1 pg) |
| 95. | 03/12/65 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request for amendment to incorporate changes on attached drawings (8 pgs) |
| 96. | 03/19/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM-777 Amendment No. 6 (1 pg) |
| 97. | 03/31/65 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, submittal of proposed revision to SNM-777 (23 pgs) |
| 98. | 04/02/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM-777 Amendment No. 7 (1 pg) |

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APPENDIX C - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 99. | 04/02/65 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request to incorporate attached General Section and sketches by amending SNM-777 (5 pgs) |
| 100. | 04/02/65 | TWX from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, cooling of off-gases (1 pg) |
| 101. | 04/08/65 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), re: license amendment to permit use of a safe geometry vacuum cleaner system to collect dry uranium bearing materials (1 pg) |
| 102. | 04/09/65 | TWX from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request to review and approve section 300 paragraph 304.6 (1 pg) |
| 103. | 04/16/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM-777 Amendment No. 7 (1 pg) |
| 104. | 04/21/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, confirmation telecom of 04/20/65 (5 pg) |
| 105. | 04/21/65 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), re: license amendment to operate a Destructive Distillation Unit and a dissolver for uranium compounds containing chlorine (2 pg) |
| 106. | 04/22/65 | TWX from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, clarification of items (1 pg) |
| 107. | 04/23/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM-777 Amendment No. 8 (1 pg) |
| 108. | 04/28/65 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), request for more information to resolve Question 1 and Question 2 (1 pg) |
| 109. | 05/13/65 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), insufficient plans to insure nuclear safety of the unsafe geometry Retort 2-R-2 (1 pg) |

[Response #2]

APPENDIX C - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 110. | 05/28/65 | Letter from A. W. Hegwood, Maryland Casualty Company, to R. Lowenstein, AEC, request for meeting to discuss July 24, 1964 Incident at Wood River Junction, Rhode Island (1 pg) |
| 111. | 06/01/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM-777 Amendment No. 10 (2 pgs) |
| 112. | 06/03/65 | Note from D. A. Nussbaumer, AEC, to Files, re: Compliance Division Monthly Report for April 1965 (1 pg) |
| 113. | 07/09/65 | Memorandum from L. Dubinski, to E. R. Price, (AEC), Investigation Report on Wood River Junction, Rhode Island Incident of July 24, 1964 - United Nuclear Corporation, License No. SNM-777 (1 pg) |
| 114. | 07/30/65 | Letter from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request to amend SNM-777 to establish storage area of 5-inch pipes in a horizontal plane on 16" centers (1 pg) |
| 115. | 08/13/65 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), recommendation to approve shipment and storage in five-inch schedule 40 pipes (1 pg) |
| 116. | 09/22/65 | Note from C. D. Luke and D. A. Nussbaumer, (AEC), recommendation to approve shipment and storage of five-inch schedule 40 pipes (1 pg) |
| 117. | 09/28/65 | Letter from D. A. Nussbaumer, AEC, to D. F. Cronin, United Nuclear Corporation, SNM-777 Amendment No. 11 (1 pg) |
| 118. | 10/13/65 | TWX from D. F. Cronin, United Nuclear Corporation, to D. A. Nussbaumer, AEC, request to extend approval of B of E permit no. 1483 shipping container (1 pg) |

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APPENDIX D
RECORDS BEING RELEASED IN ENTIRETY
 (* Indicates Copyrighted Document)

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 1. | 07/19/68 | Letter from L.J. Swallow, United Nuclear Corp. (UNC), to D. Nussbaumer, AEC, re SNM-777, Extension of Expiration Date (1 pg) |
| 2. | 07/21/68 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Source Materials License for Commercial Products Division, New Haven & Rhode Island Facilities (1 pg) |
| 3. | 08/06/68 | Letter from D. A. Nussbaumer, AEC, to United Nuclear Corp. authorizes amendment to License No. SNM-777 (1 pg) |
| 4. | 08/12/68 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., transmits amendment nos. 71-20 (SNM-33), 71-18 (SNM-368) and 71-15 (SNM-777). (7 pgs) |
| 5. | 09/11/68 | Letter from D.F. Cronin, United Nuclear Corp., to D.A. Nussbaumaer, AEC, re Modification of Amendments 71-20, 71-18, 71-15 for SNM-33, SNM-368, and SNM-777 respectively (2 pgs) |
| 6. | 09/30/68 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., transmits amendment nos. 71-21 (SNM-33), 71-21 (SNM-368), and 71-16 (SNM-777) (7 pgs) |
| 7. | 10/09/68 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp, Amendment No. 46 (SNM-777) amended to incorporate Figure 201-I as revised 08/19/68 (1 pg) |
| 8. | 10/14/68 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., Amendment No. 81 (SNM-368) authorizes revision of Section 600, "Emergency Control Plan" as submitted in 08/06/68 application (1 pg) |
| 9. | 10/26/68 | Letter from L. J. Swallow, United Nuclear Corp., to D. Nussbaumer, AEC, re Fabrication of Uranium-Aluminum Ceramic Cores-SNM-777, Section 6A (2 pgs) |
| 10. | 10/31/68 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Renewal of Special Nuclear Materials License SNM-777 (2 pgs) |
| 11. | 10/31/68 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Renewal of Special Nuclear Materials License SNM-777 (2 pgs) |

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APPENDIX D - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 12. | 10/31/68 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Renewal of Source Materials License for Commercial Products Division Facilities at New Haven, Connecticut and Wood River Junction, Rhode Island (1 pg) |
| 13. | 11/22/68 | Letter from J.A. McBride, AEC, to United Nuclear Corp., Amendment No. 47 (SNM-777) authorizes withholding of drawing B-304236 from 10/08/68 SNM-777 license application (1 pg) |
| 14. | 01/31/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp. Amendment No. 49 (SNM-777) authorizes receipt and storage of fuel assemblies and rods described in 01/23/99 application (5 pgs) |
| 15. | 02/24/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., Amendment No. 50 (SNM-777) extends expiration date to June 30, 1969 (1 pg) |
| 16. | 02/24/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., Amendment No. 51 (SNM-777) authorizes receipt and use of Dresden fuel elements (1 pg) |
| 17. | 04/25/69 | Letter from R.P. Wischow, AEC, to United Nuclear Corp., re proposed safeguards amendments to SNM-33 and SNM-777 (7 pgs) |
| 18. | 05/13/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re applications (NIS-CP-LJS-82 and NIS:LJS-69-219) dated October 31, 1968, and April 7, 1969 re renewal of License No. SNM-777 (2 pgs) |
| 19. | 05/16/69 | Letter from R.I. Hanfling, United Nuclear Corp., to R.G. Page, AEC, re Safeguards Amendments to Licenses SNM-33 and SNM-777 (2 pgs) |
| 20. | 05/23/69 | Letter from R.P. Wischow, AEC, to United Nuclear Corp., re safeguards amendments issued to SNM-33 and SNM-777 (7 pgs) |
| 21. | 06/25/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Amendment No. 52 to license no. SNM-777 (1 pg) |

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APPENDIX D - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 22. | 07/09/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Amendment No. 71-24 (SNM-33) and Amendment No. 71-18 (SNM-777) (3 pgs) |
| 23. | 07/29/60 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Renewal of Special Nuclear Materials License SNM-777 (57 pgs) |
| 24. | 10/28/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Notice of License Expiration SNM-33 & SNM-777 (1 pg) |
| 25. | 10/28/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re status of renewal licenses for SNM-36 and SNM-777 (1 pg) |
| 26. | 10/31/69 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Special Nuclear Materials License SNM-777, dated November 25, 1964, as Amended, requests amendment to include specific equipment (2 pgs) |
| 27. | 11/20/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Amendment No. 53 (SNM-777) (1 pg) |
| 28. | 11/20/69 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, requests extension of licenses SNM-33, SNM-777, & SMB-293 until March 30, 1970 |
| 29. | 12/01/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Amendment No. 53 (SNM-33), Amendment No. 55 (SNM-777), Amendment No. 6 (SMB-293) extension of licenses until 03/30/70 (1 pg) |
| 30. | 12/01/69 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Amendment No. 54, SNM-777 (1 pg) |
| 31. | 12/19/69 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Shipping Container Model UNC-1352 (2 pgs) |
| 32. | 01/14/70 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Shipping Container Model UNC 1484 (11 pgs) |

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APPENDIX D - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 33. | 01/14/70 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Shipping Container Model UNC 1352 (2 pgs) |
| 34. | 02/04/70 | Letter from R.P. Wischow, AEC, to United Nuclear Corp., re proposed modification to Safeguards Amendment, SG-1 to License SNM-777 (2 pgs) |
| 35. | 02/25/70 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re their request to amend SNM-33 and SNM-777 to authorize delivery of special nuclear material to a carrier for transport in the Model UNC-1484 package (2 pgs) |
| 36. | 03/02/70 | Intermediate Action Form for United Nuclear Corp. correspondence dated 02/27/70 (1 pg) |
| 37. | 04/24/70 | Letter from R. G. Page, AEC, to United Nuclear Corp., re condition 3.1 substitution and new condition 7.3 to license SNM-777 (3 pgs) |
| 38. | 04/24/70 | Letter from L.J. Swallow, United Nuclear Corp., to D.A. Nussbaumer, AEC, re Shipping Container Model UNC 2901 (2 pgs) |
| 39. | 05/22/70 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., transmits an amendment to Title 10, Chapter 1, Code of Federal Regulations, Part 71 (1 pg) |
| 40. | 05/28/70 | UNC Inter-Office Memo from R.E. Kropp to D.G. Darr, Subj: Criticality Safety Analysis of shipping Container Model UNC-2800 with Four Dresden (BWR) Fuel Assemblies per Container (9 pgs) |
| 41. | 06/10/70 | Letter from R. G. Page AEC, to United Nuclear Corp., re amendment to SNM-33 of Safeguards Amendment No. SG-3 (7 pgs) |
| 42. | 06/20/70 | Letter from David G. Darr, United Nuclear Corp., to D.A. Nussbaumer, AEC, Subj: SNM-777, Shipping Container UNC 2800 (5 pgs) |
| 43. | 07/09/70 | Letter from David G. Darr, United Nuclear Corp., to D.A. Nussbaumer, AEC, Subj: Shipping Container Model 1352 - Supplemental Information (2 pgs) |

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APPENDIX D - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 44. | 08/13/70 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re amendment no. 71-21, SNM-777 (5 pgs) |
| 45. | 09/30/70 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Amendment Nos. 62 (SNM-33), 57 (SNM-777), and 8 (SMB-293) (1 pg) |
| 46. | 01/25/71 | Letter from Peter Loysen, UNC, to AEC, request for 6-month license extension beyond 01/31/71 for SNM-33 and SNM-777 (1 pg) |
| 47. | 01/29/71 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Amendment Nos. 63 (SNM-33), 58 (SNM-777), and 9 (SMB-293) (1 pg) |
| 48. | 05/06/71 | Letter from C.D.W. Thornton, AEC, to United Nuclear Corp., re License Condition 3.1 of the Safeguards license amendment requiring determination of U-235 content (2 pgs) |
| 49. | 05/27/71 | UNC Inter-Office Memo from E. Fass to R. Kropp, Subj: Criticality Safety Analysis of Shipping Container Model UNC-2800 with One Yankee Rowe (PWR) Fuel Assembly per Container (9 pgs) |
| 50. | 06/10/71 | Letter from Peter Loysen, UNC, to AEC, Subj: Shipping Container Model UNC-2800 (6 pgs) |
| 51. | 06/11/71 | Letter from Peter Loysen, UNC, to AEC, Subj: Additional Information - Processing Yankee Reload Fuel SNM-777, Docket 70-820 (11 pgs) |
| 52. | 07/01/71 | Letter from D. F. Shaw, UNC, to R. E. Cunningham, AEC, requests transfer and amendment of licenses SNM-33, SNM-777, SNM-871, SNB-293, and 24,12988-01 to Gulf United Nuclear Fuels Corporation (GUNFC) (1 pg) |
| 53. | 07/01/71 | Letter from A. R. Fritsch, Gulf United Nuclear Fuels Corp., to R. E. Cunningham, AEC, stating Gulf Nuclear's desire to accept the transfer of licenses and amendments for SNM-33, SNM-777, SNM-871, SNB-293, and 24,12988-01 (1 pg) |
| 54. | 07/13/71 | Letter from R.E. Cunningham, AEC, to Gulf United Nuclear Fuels Corp. transmits outline for description of waste management program submittal (3 pgs) |

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APPENDIX D - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 55. | 07/16/71 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Amendment No. 59, SNM-777 (2 pgs) |
| 56. | 07/27/71 | Letter from J. A. Lindberg, United Nuclear Corp., to D. Smith, AEC, transmitting resubmittal of Safeguards Amendment #3 for License SNM-777 (7 pgs) |
| 57. | 07/30/71 | Letter from D.A. Nussbaumer, AEC, to United Nuclear Corp., re Amendment No. 60, SNM-777 (1 pg) |
| 58. | 09/07/71 | Letter from C.D.W. Thornton, AEC, to United Nuclear Corp., transmits Safeguards Amendment SG-3 to special nuclear material license SNM-777 (7 pgs) |
| 59. | 11/12/71 | Letter from W. G. Ruff, United Nuclear Corp., to AEC, requests amendment to SNM-777 to revise and more accurately specify quantities of special nuclear and source materials to be possessed and used (1 pg) |
| 60. | 11/16/71 | AEC Materials Data Input sheet for United Nuclear Corp. correspondence dated 11/12/71 (1 pg) |
| 61. | 08/15/74 | License No. 24-16206-01 issued to Combustion Engineering, Inc., Route 21-A, Hematite, Missouri (2 pgs) |
| 62. | 10/03/74 | Letter from J. G. Keppler, AEC to Combustion Engineering, Inc. re 9/4-5/74 inspection of AEC Special Nuclear Materials License No. SNM-33 and Byproduct License No. 24-16206-01 11 pgs) |
| 63. | 08/27/79 | Letter from P. R. Guinn, AEC, to Combustion Engineering, Inc., re license renewal application for license no. 24-16206-01 (1 pg) |
| 64. | 10/26/79 | Review of license amendment application dated August 22, 1979, and supplement transmitted by letter dated October 3, 1979, concerning incinerator operation and administrative change PC No. 78075A, Subtask 01 (3 pgs) |

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APPENDIX D - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|--|
| 65. | 03/11/80 | Letter to W. Crow from Kenneth Corbin, Dept. Of Army, completing the hydrologic and hydraulic analysis (1 pg) |
| 66. | 04/18/80 | Letter to W. Crow from Kenneth Corbin, Dept. Of Armu. Copy of Joachim Creek report (17 pgs) |
| 67. | 03/18/81 | License no. 24-16206-01 amendment no. 1 (3 pgs) |
| 68. | 10/22/81 | Letter from L. W. Shatterly, NRC, to Combustion Engineering, re License No. 24-16206-01 inspection of 10/08/81 (18 pgs) |
| 69. | 01/20/82 | Memo from B. Mallett, RIII, to C. J. Paperiello, Subj: Status of Region III Licensees Receiving Order to Establish Contingency Plans or Reduce Possession Limits (2 pgs) |
| 70. | 04/16/82 | Letter from E.Y. Shum, NMSS, to Combustion Engineering, Inc., request for additional information for license application (2 pgs) |
| 71. | 07/15/82 | Memo from R. F. Burnett, NMSS, to J. G. Keppler, RIII, Subj: Headquarter's Personnel Site Visit to Region III, Combustion Engineering, Inc. (1 pg) |
| 72. | 12/17/82 | Memo from C. C. Peck to L. R. Greger (NRC), subj: Trip Report - Combustion Engineering (1 pg) |
| 73. | 03/25/83 | Letter from G. Jackson, NRC, to Combustion Engineering, Inc., re payment of license amendment fee (1 pg) |
| 74. | 05/03/83 | Letter from G. Jackson, NRC, to Combustion Engineering, Inc., regarding non-payment of license amendment fee (1 pg) |
| 75. | 05/06/83 | Letter from H. E. Eskridge, C-E Power Systems, Combustion Engineering, Inc., transmitting amendment fee for license SNM-33 and 24-16206-01 (1 pg) |
| 76. | 05/12/83 | Correspondence between Office of Administration & Office of Nuclear Material Safety and Safeguards, NRC, re termination of license no. 24-16206-01 (1 pg) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 77. | 06/29/83 | Materials License Supplementary Sheet, License No. 24-16206-01 Amendment No. 2 (1 pg) |
| 78. | 11/19/85 | Letter to Jack Hind from H. Eskridge forwarding report (6 pgs) |
| 79. | 10/19/89 | Letter to Combustion Engineering from A. Bert Davis, Regional Administrator, Subj: August/September 1989 augmented inspection re an August 28, 1989 incident (74 pgs) |
| 80. | 04/06/92 | Letter to J. Hickey, Subj. Hematite Emergency Plan (110 pgs) |

APPENDIX E
RECORDS BEING RELEASED IN ENTIRETY
 (* Indicates Copyrighted Document)

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|----------------------------|-------------|---|
| License No. SXNM-79 | | |
| 1. | 11/12/69 | Letter from E. B. White, United Nuclear Corp., to AEC, re application request to export special nuclear material to Japan, with handwritten notations (2 pgs) |
| 2. | 11/14/69 | Letter from J. Saltzman, AEC, to D. Nussbaumer, AEC, transmits export application from United Nuclear Corp. for review of packaging and shipping procedures (1 pg) |
| 3. | 11/17/69 | Correspondence from J. D. Saltzman, AEC, to V. Hudgins, AEC, re export request from United Nuclear to export to Japan with 1/12/70 handwritten notation (1 pg) |
| 4. | 11/17/69 | Correspondence from J. D. Saltzman, AEC, to V. Hudgins, AEC, re export request from United Nuclear to export to Japan with 3/16/70 approval signature (1 pg) |
| 5. | 11/20/69 | Correspondence from D. Nussbaumer, AEC, to J. D. Saltzman, AEC, re results of review of packaging procedure (1 pg) |
| 6. | 12/16/69 | Letter from T. Tetsuya, Sumitomo Electric Industries, Ltd., to E. Price, AEC, provides statement of end use for export license to be filed by Sumitomo Shoji America, Inc. (2 pgs) |
| 7. | 01/13/70 | Letter Letter from T. Tetsuya, Sumitomo Electric Industries, Ltd., to E. Price, AEC, provides amendment to statement of end use for export license to be filed by United Nuclear Corp. (1 pg) |
| 8. | 02/09/70 | Letter from E. B. White, United Nuclear Corp., to AEC, re provides additional information re request for export license to ship to Sumitomo Electric Industries (1 pg) |
| 9. | 03/26/70 | Correspondence from E. R. Price, AEC to H. Price, AEC, re transmits United Nuclear Corp. license to export special nuclear material to Japan (2 pgs) |
| 10. | 04/07/70 | Export License XSNM-79 (2 pgs) |
| 11. | 04/07/70 | Export License XSNM-79 with handwritten notations (2 pgs) |

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APPENDIX E - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-----------------------------|--------------------|---|
| License No. XSNM-357 | | |
| 12. | 10/11/72 | Letter from S. Katsurada, Nuclear Fuel Industries, Ltd., to A. S. Friedman, AEC, statement of end use in support of export application by Gulf United Nuclear Fuels Corp., to export to Japan Atomic Energy Research Institute (1 pg) |
| 13. | 10/11/72 | Letter from S. Katsurada, Nuclear Fuel Industries, Ltd., to A. S. Friedman, AEC, statement of end use in support of export application by Gulf United Nuclear Fuels Corp., to export to Kyoto University Reactor (1 pg) |
| 14. | 10/25/72 | Letter from R. C. Miller, Gulf United Nuclear Fuels Corp., to AEC, transmits application to export to Nuclear Fuel Industries, Japan (2 pgs) |
| 15. | 11/06/72 | Correspondence from J. Vaden, AEC, to V. Hudgins, AEC, transmits for review application from Gulf United Nuclear Fuel Corp. to export to Japan, with 12/4/72 approval signature (1 pg) |
| 16. | 12/11/72 | Letter from S. H. Smiley, AEC, to E. J. Bauser, Joint Committee on Atomic Energy, Congress of the United States, informing of AEC license to Gulf United Nuclear Fuel Corp. for the export of uranium to Japan (1 pg) |
| 17. | 12/12/72 | Export License No. XSNM-357 (1 pg) |
| 18. | 12/12/72 | Export License No. XSNM-357 with supplementary sheet (2 pgs) |
| License No. XSNM-381 | | |
| 19. | 12/28/72 | Letter from R. L. Cohen, Eldorado Nuclear Limited, to A. S. Friedman, AEC, re export license to be filed by Gulf United Nuclear Fuels Corp. (1 pg) |
| 20. | 01/09/73 | Letter from R. C. Miller, Gulf United to AEC, transmits application to export enriched uranium metal (2 pgs) |
| 21. | 01/12/73 | Letter from J. Vaden, AEC to V. Hudgins, AEC, re application from Gulf United Nuclear Fuel Corp. to export special nuclear material (1 pg) |

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APPENDIX E - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-----------------------------|-------------|--|
| 22. | 02/21/73 | Letter from S. H. Smiley, AEC, to E. J. Bauser, Joint Committee on Atomic Energy, Congress of the United States, informing of AEC license to Gulf United Nuclear Fuel Corp. for the export of uranium to Canada (1 pg) |
| 23. | 02/26/73 | Export License XSNM-381 (2 pgs) |
| License No. XSNM-400 | | |
| 24. | 12/00/72 | Letter from D. Kawahara, Nuclear Fuel Industries, Ltd., to A. S. Friedman, AEC, re Statement of end use (1 pg) |
| 25. | 01/16/73 | Letter from R. C. Miller, Gulf United Nuclear Fuels Corp., to AEC, transmits application for export license and end use statement (2 pgs) |
| 26. | 01/19/73 | Letter from J. Vaden, AEC, to V. Hudgins, AEC, re Gulf United Nuclear Fuels Corp. application for export of special nuclear material (1 pg) |
| 27. | 04/09/73 | Letter from S. H. Smiley, AEC, to E. J. Bauser, Joint Committee on Atomic Energy, Congress of the United States informing of AEC license to Gulf United Nuclear Fuels Corp. to export uranium (1 pg) |
| 28. | 04/26/73 | Export License XSNM-400 (2 pgs) |
| License No. XSNM-427 | | |
| 29. | 06/06/74 | Letter from R. C. Miller, Gulf Nuclear Fuels Co., to AEC transmitting Application for License to Export Byproduct, source, or Special Nuclear Material (2 pgs) |
| 30. | 06/13/74 | Letter from J. D. Vaden, AEC, to V. Hudgins, AEC, re Gulf Nuclear Fuels application for export of special nuclear material (1 pg) |
| 31. | 07/17/73 | Letter from S. H. Smiley, AEC, to E. J. Bauser, Joint Committee on Atomic Energy, Congress of the United States informing of AEC license to Gulf United Nuclear Fuels Corp. to export uranium (1 pg) |
| 32. | 07/31/73 | Export License No. XSNM-427 (3 pgs) |

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APPENDIX E - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-----------------------------|--------------------|--|
| License No. XSNM-430 | | |
| 33. | 05/22/73 | Letter from R. L. Cohen, to A. S. Friedman, AEC, re export license to be filed by Gulf United Nuclear Fuels Corp. (1 pg) |
| 34. | 06/07/73 | Letter from R. C. Miller, Gulf United Nuclear Fuels Corp., to AEC, transmits application to export enriched uranium metal (2 pgs) |
| 35. | 06/12/73 | Letter from J. D. Vaden, AEC, to V. Hudgins, AEC, re Gulf Nuclear Fuels application for export of special nuclear material (1 pg) |
| 36. | 07/25/73 | Letter from S. H. Smiley, AEC, to E. J. Bauser, Joint Committee on Atomic Energy, Congress of the United States informing of AEC license to Gulf United Nuclear Fuels Corp. to export uranium (1 pg) |
| 37. | 07/26/73 | Letter from E. J. Bauser, Joint Committee on Atomic Energy, to L. M. Muntzing, AEC, request for additional information (1 pg) |
| 38. | 08/14/73 | Export License XSNM-430 (1 pg) |
| 39. | 08/14/73 | Export License XSNM-430 (2 pgs) |
| 40. | 08/28/73 | AEC Region III Files: Verification of Gulf United Nuclear Fuels Corp. Export Shipment (2 pgs) |
| 41. | 09/07/73 | AEC Region III Files: Inspection of Gulf United Nuclear Fuels Export Shipment at Port of Export (4 pgs) |
| License No. XSNM-447 | | |
| 42. | Undated | Letter from T. Shibata, Research Reactor Institute of Kyoto Univ., to A. S. Friedman, AEC, supporting export license to be filed by Gulf United Nuclear Fuels Corp. (1 pg) |
| 43. | 09/10/73 | Application for License to Export Byproduct, Source or Special Nuclear Material from Gulf United Nuclear Fuels Corp. to Kyoto Univ., Japan (1 pg) |

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APPENDIX E - continued
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|--------------------------------|-------------|--|
| 44. | 11/01/73 | Letter from S. H. Smiley, AEC, to E. J. Bauser, Joint Committee on Atomic Energy, Congress of the United States informing of AEC intent license Gulf United Nuclear Fuels Corp. to export uranium (1 pg) |
| 45. | 11/05/73 | Export License No. XSNM-447 (1 pg) |
| License No. XSNM-527 | | |
| 46. | 01/31/74 | Letter from J. W. Carr, Atomic Energy of Canada Limited, to R. C. Miller, Gulf United Nuclear Fuels Corp., re return of enriched uranium to Eldorado Nuclear Limited, Port Hope, Ontario (1 pg) |
| 47. | 02/07/74 | Letter from R. C. Miller, Gulf Nuclear Fuels Co., to AEC transmitting Application for License to Export Byproduct, source, or Special Nuclear Material (2 pgs) |
| 48. | 02/11/74 | Letter from Robert C. Miller, Gulf Nuclear Fuels, to AEC re Application for license to export dated 2/8/74 (2 pgs) |
| 49. | 02/13/74 | Letter from J. D. Vaden, AEC, to V. Hudgins, AEC, re Gulf Nuclear Fuels application for export of special nuclear material (1 pg) |
| 50. | 03/13/74 | Export License No. XSNM-527, Gulf Nuclear Fuels Co. To Atomic Energy of Canada, Ltd., 1255 grams of uranium 235 (2 pgs) |
| General Correspondence: | | |
| 51. | 05/01/73 | Letter from H. Hirai, Japan Atomic Energy Research Institute, to A. S. Friedman, AEC, re Statement of End Use export license for 1.824 kilograms uranium metal by Gulf United Nuclear Fuels Corp. to Japan Material Testing Reactor of Japan Atomic Energy Research Institute (1 pg) |
| 52. | 05/11/73 | Letter from Y. Watanabe, Mitsubishi Atomic Power Industries, Inc., to A. S. Friedman, AEC, re Statement of End Use export license for 2.000 kilograms uranium metal by Gulf United Nuclear Fuels Corp. to Japan Atomic Energy Research Institute (1 pg) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 53. | 05/11/73 | Letter from S. Katsurada, Nuclear Fuel Industries, Ltd., Japan, to A. S. Friedman, AEC, re Statement of End Use export license for 7.400 kilograms uranium metal by Gulf United Nuclear Fuels Corp. to Kyoto University Reactor (1 pg) |
| 54. | 07/05/73 | Letter from H. Hirai, Japan Atomic Energy Research Institute, to A. S. Friedman, AEC, re Statement of End Use export license for 14.900 kilograms uranium metal by Gulf United Nuclear Fuels Corp. to Japan Atomic Energy Research Institute (1 pg) |
| 55. | Undated | Letter from H. Hirai, Japan Atomic Energy Research Institute, to A. S. Friedman, AEC, re Statement of End Use export license for 14.300 kilograms uranium metal by Gulf United Nuclear Fuels Corp. to Japan Atomic Energy Research Institute (1 pg) |
| 56. | 07/09/73 | Application for License to Export, by Gulf United Nuclear Fuels Corp., to Nuclear Fuel Industries, Ltd., Japan, 14.3 Kgs of uranium metal (1 pg) |
| 57. | 07/13/73 | Letter from R. C. Miller, Gulf United Nuclear Fuels Corp., to AEC, transmits application to export 14.3 Kgs uranium metal for Nuclear Fuel Industries, Ltd. (1 pg) |
| 58. | 07/16/73 | Letter from R. C. Miller, Gulf United Nuclear Fuels Corp., to AEC, transmits application to export 15.7 Kgs of uranium metal (2 pgs) |
| 59. | 07/26/73 | Letter from R. C. Miller, Gulf United Nuclear Fuels Corp., to AEC, transmits application to export 15.0 Kgs of uranium metal to Mitsubishi Atomic Power Industries, Inc. (2 pgs) |
| 60. | 09/10/73 | Letter from R. C. Miller, Gulf United Nuclear Fuels Corp., to AEC, transmits application to export about 30 Kgs of uranium metal to Japan (2 pgs) |
| 61. | 09/13/73 | Correspondence from J. D. Vaden, AEC, to V. Hudgins, AEC, request for review of application to export 30.35 Kgs uranium metal by Gulf United Nuclear Fuels Corp. to Japan with 10/30/73 approval (1 pg) |

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|------------|-------------|---|
| 62. | 10/15/73 | Correspondence from J. D. Vaden, AEC, to V. Hudgins, AEC, request for review of application to export 14.3 Kgs uranium metal by Gulf United Nuclear Fuels Corp. to Japan with 11/05/73 approval (1 pg) |
| 63. | 11/14/73 | Note to the Files by R. N. Moore re Telephone call from Hasegawa, Sumitomo Corp, to Moore and Cooper (3 pgs) |
| 64. | 11/19/73 | Letter from S. H. Smiley, AEC, to E. J. Bauser, Joint Committee on Atomic Energy, Congress of the United States, informing of AEC intent to issue export license to Gulf United Nuclear Fuels Corp. to export 34.8 kilograms of uranium to Japan (1 pg) |
| 65. | 11/20/73 | Export License XSNM-448 (22 pgs) |
| 66. | 11/21/73 | Note from J. D. Vaden, AEC, to N. Moore, AEC, re More memo of 11/14/73 (2 pgs) |

**APPENDIX F
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| <u>NO.</u> | <u>DATE</u> | <u>ACCESSION NUMBER</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|------------------------------------|--|
| 1. | 10/03/86 | 8610310172 | Letter from H. E. Eskridge, ABB Combustion Engineering Nuclear Fuel, to W. D. Shafer, NRC, Responds to NRC 860903 letter re: noncompliance noted in Inspection Report 70-0036/86-02; Corrective actions: personnel instructed to wear hand protection when handling contaminated equipment (1 pg) |
| 2. | 09/25/89 | 9007050007 | Letter from P. R. Cotten, Oak Ridge Associated Universities, to G. France, NRC, Forwards survey procedures and results of soil sample analysis downstream of limestone Piles A & C at C-E in Hematite, MO (7 pgs) |
| 3. | 12/13/89 | 8912200111 | Letter from G. L. Sjoblom, NRC, to J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Requests that high priority be put on groundwater monitoring program for Hematite facility waste burial site & ponds to demonstrate that migration of radioactive materials from burial trenches & other areas not occurring (2 pgs) |
| 4. | 05/31/90 | 9006110403 | Memorandum from D. J. Sreniawski, to G. Bidinger, (NRC), Recommends that licensee be allowed to fill floor area of Bldg 253 at facility, per licensee 900514 request, based on listed evaluations, including that facility will not be released for unrestricted use. (2 pgs) |
| 5. | 05/14/90 | 9006110405 | Letter from J. A. Rode, ABB Combustion Engineering Nuclear Fuel, to D. J. Sreniawski, NRC, Requests recommendation be made to NRC headquarters that approval be granted to excavate soil floor of Bldg 253 at facility & resume construction, revised map showing current activity levels enclosed (2 pgs) |

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| <u>NO.</u> | <u>DATE</u> | <u>ACCESSION NUMBER</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|-----------------------------|---|
| 6. | 06/25/90 | 9007050006 | Letter from J. D. Berger, Oak Ridge Associated Universities, to G. France, NRC, Forwards results of measurements & sampling performed on 900531 in construction area at C-E site in Hematite, MO; reduction in level of residual U contamination noted. (5 pgs) |
| 7. | 07/02/90 | 9007050004 | Letter from C. J. Haughney, NRC, to J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Responds to 900514 letter to D. Sreniawski & authorizes backfill of area of Bldg 253 construction site; Limestone from Piles A & C may be used as fill material. Plan for groundwater & schedule for implementation should be submitted. (2 pgs) |
| 8. | 01/29/91 | 9102040257 | Letter from C. J. Haughney, NRC, to J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Forwards Amendment 18 to License SNM-33 for C-E, Inc (1 pg) attach.: 01/28/91 9102040257 Amendment 18 to License SNM-33 for C-E, Inc., authorizing use of Building 253 and revising Condition 9 to include 900316 & 0904 dates (5 pgs) attach.: 01/29/91 9102040267 Safety evaluation report, Amendment application dated 03/16/90 & supplement 09/04/90, re authorization to use Building 253, License SNM-33 (3 pgs) |
| 9. | 10/17/91 | 9110220124 | Letter from G. H. Bidinger, NRC, J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Concludes that 910905 request for schedular exemptions that allow submittals of emergency plan by end of 1991 acceptable & decommissioning funding plan by 950101 unacceptable (1 pg) |

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|-------------------|--------------------|------------------------------------|--|
| 10. | 02/13/92 | 9202200315 | Memorandum from M. Tokar, to L. Bykoski, (NRC), Requests technical assistance for review of decommissioning funding assurance information per 10CFR70.25(f) submitted by listed licensees (1 pg) |
| 11. | 02/26/92 | 9202280334 | Letter from M. Tokar, NRC, to J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Informs that 920212 schedular exemption request that would permit submittal of decommissioning funding plan on or about 921231 acceptable (1 pg) |
| 12. | 04/21/92 | 9204230275 | Letter from J. W. Hickey, NRC, to M. D. Kosmider, ABB Combustion Engineering Nuclear Fuel (formerly Allied-Signal, Inc.), et al, Notifies of Fuel Cycle Licensee Workshop in mid-September in Washington, DC area to discuss various NRC programs and policies (4 pgs) |
| 13. | 01/05/93 | 9301060225 | Letter from J. W. Hickey, NRC, to J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Forwards Amendment 22 to License SNM-33, SER & categorical exclusion (2 pgs) |
| | | attach.: | 01/05/93 9301060237 Amendment 22 to License SNM-33, authorizing testing of new fuel rod & bundle assembly processes with pellets & rods containing U source material (5 pgs) |
| | | attach.: | 01/05/93 9301060240 SER supporting 921030 & 1124 applications for amendment to License SNM-33 (2 pgs) |
| | | attach.: | 01/05/93 9301060242 Memorandum from J. W. Hickey, NRC, to Combustion Engineering Inc., Hematite, Missouri, Advises that neither EA nor EIS warranted for proposed Amendment 22 to License SNM-33 (1 pg) |

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|------------|-------------|-----------------------------|---|
| 14. | 03/26/93 | 9303310001 | Letter from E. G. Adensam, NRC, to J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Forwards Amendment 23 to License SNM-33 and SER (2 pgs) |
| | | | attach.: 03/26/93 9303310002 Amendment 23 to License SNM-33, authorizing introduction of SNM in Buildings 256 & 230 to load Kardex storage unit w/fuel pellets (5 pgs) |
| | | | attach.: 03/26/93 9303310003 SER supporting 930111 & 0219 applications for amendment to License SNM-33 (4 pgs) |
| 15. | 04/08/93 | 9304130391 | Letter from M. Tokar, NRC, to J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Approves request date of 930531 re: submission of Decommissioning Funding Plan for facility (1 pg) |
| 16. | 05/12/93 | 9305170038 | Letter from C. W. Emeigh, NRC, to J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Forwards Amendment 24 to License SNM-33 and SER (2 pgs) |
| | | | attach.: 05/12/93 9305170042 Amendment 24 to License SNM-33, authorizing use of U enriched to 5 weight percent in U-235 isotope for fuel production operations (5 pgs) |
| | | | attach.: 05/12/93 9305170047 SER recommending approval of Amendment 24 to License SNM-33 (9 pgs) |
| 17. | 06/11/93 | 9306170200 | Memorandum from C. W. Emeigh, to J. Austin, (NRC), Submits technical assistance request to review C-E decommissioning funding plan dated 930528 (2 pgs) |
| 18. | 11/10/93 | 9311150298 | Letter from S. Soong, NRC, to J. A. Rode, ABB Combustion Engineering Nuclear Fuel, Forwards |

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|------------|-------------|-----------------------------|---|
| | | | request for additional information re: 930528 decommissioning funding plan (3 pgs) |
| 19. | 04/13/94 | 9404190065 | Letter from J. Yardumian, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Acknowledges receipt of 940328 response to notice of violation from Inspection report 70- 0036/94-201 (1 pg) |
| 20. | 04/22/94 | 9404260384 | Letter from S. Soong, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Forwards request for additional information re: licensee decommissioning funding plan (3 pgs) |
| 21. | 06/08/94 | 9406100206 | Memorandum from R. Pierson, to J. Austin, (NRC), Requests technical assistance in reviewing C-E 940523 response to questions on decommissioning funding plan (2 pg) |
| 22. | 06/27/94 | 9406300104 | Letter from R. C. Pierson, NRC to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Informs that NRC reviewed decommissioning funding plan documents provided by letters dated 930528, 931210 & 940523 and identified no deficiencies (1 pg) |
| 23. | 09/06/94 | 9409120059 | Memorandum from R. Pierson, to J. Austin, (NRC), Requests technical assistance in reviewing C-E 940729, Schedule A of standby trust agreement (1 pg) |
| 24. | 11/03/94 | 9411070183 | Letter from R. C. Pierson, NRC to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Informs that Schedule A of Standby Trust Agreement re: Hematite decommissioning fund plan has been review and no deficiencies were identified (1 pg) |

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|-------------------|--------------------|------------------------------------|---|
| 25. | 11/23/94 | 9411250245 | Memorandum from R. Pierson, to J. Austin, (NRC), Requests technical assistance in reviewing C-E Hematite Evaporation Ponds decommissioning plan transmitted by C-E 941026 letter (1 pg) |
| 26. | 12/08/94 | 9412130150 | Letter from R. C. Pierson, NRC to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Forwards Amendment 1 to License SNM-33 for C-E (2 pgs) |
| | | | attach.: 12/07/94 9412130163 Amendment 1 to License SNM-33, incorporating into license revised Schedule A for standby trust agreement associated with Hematite decommissioning funding plan (4 pgs) |
| | | | attach.: 12/08/94 9412130172 Safety evaluation supporting Amendment 1 to License SNM-33 (1 pg) |
| 27. | 02/08/95 | 9502100322 | Letter from S. Soong, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Informs that additional information is needed before final action can be taken on request for approval of decommissioning plan (1 pg) |
| 28. | 04/08/95 | 9504190068 | Letter from J. W. McCormick-Barger, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Forwards Inspection Report 70-0036/95-01 on 950227-0301 (2 pgs) |
| | | | attach.: 04/08/95 9504190070 Inspection Report 70-0036/95-01 on 950227-0301, Major areas inspected: Fuel Cycle EP Program - No violations noted (3 pgs) |
| 29. | 06/10/96 | 9606110326 | Letter from M. Tokar, NRC, to R. Kucera, State of Missouri, Responds to 960516 letter requesting |

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|------------|-------------|-----------------------------|--|
| | | | NRC documents for use in determining when and in what amounts HEU may have been processed at Hematite plant (3 pg) |
| | | | attach.: 05/16/96 9606110339 Letter from Kucera, R, State of Missouri, to R. Bangart, NRC, Requests assistance re: U fuel fabrication plant near Hematite, MO. Letter from Mallinckrodt Nuclear Corp. and AEC providing evidence of federal government approval to use 93% enriched U at Hematite plant attached (3 pgs) |
| 30. | 06/21/96 | 9606270086 | Letter from R. C. Pierson, NRC to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Amends License SNM-33 to incorporate document of validation of current criticality calculational methodology used for analyzing complex systems and to incorporate revised license pages 7-1 and 8-1 to correct date of ref letter (2 pgs) |
| | | | attach.: 06/21/96 9606270088 Amendment 13 to License SNM-33 for Combustion Engineering Inc (5 pgs) |
| | | | attach.: 06/21/96 9606270089 SER recommending Amendment 13 to License SNM-33 (2 pgs) |
| 31. | 07/19/96 | 9607250310 | Letter from E. Q. TenEyck, NRC, to B. J. Kaiser, ABB Combustion Engineering Nuclear Fuel, Forwards inspection report 70-0036/96-202 & notice of violation (36 pgs) |
| 32. | 07/26/96 | 9607300367 | Letter from P. Ting, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Informs that 960716 response has been evaluated and appears to meet basic requirements of 10CFR2.201.C/As will be examined during future inspection (1 pg) |

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|------------|-------------|-----------------------------|---|
| 33. | 11/06/96 | 9611140268 | Memorandum from R. C. Pierson, to M. F. Weber, (NRC), Requests technical assistance in reviewing C-E 960913 letter re: postponement of decommissioning of 10CFR20.304 burial until end of plant life (3 pgs) |
| 34. | 11/18/96 | 9611220065 | Letter from M. F. Weber, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Forwards Amendment 15 to License SNM-33 and safety evaluation report (2 pgs) |
| | | | attach.: 11/18/96 9611220069 Amendment 15 to SNM-33 authorizing increase of possession limit for enriched U (5 pgs) |
| | | | attach.: 11/18/96 9611220072 SER approving increase of possession limit for enriched U (2 pgs) |
| 35. | 11/19/96 | 9611210259 | Letter from M. F. Weber, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Acknowledges receipt of letter dated 961112, transmitting revised schedule and scope for conducting Integrated Safety Assessment (ISA) for plant systems (2 pgs) |
| 36. | 11/25/96 | 9612040261 | Letter from M. F. Weber, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, denies request for postponement of decommissioning of 20.304 disposal area (8 pgs) |
| 37. | 02/06/97 | 9702130140 | Letter from M. F. Weber, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Forwards Amendment 16 to License SNM-33 allowing receipt of U hexafluoride cylinders under work order GES 3102 without providing for independent witness sampling of cylinders (9 pgs) |

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|-------------------|--------------------|------------------------------------|---|
| 38. | 05/16/97 | 9705210150 | Memorandum from S. Chotoo, S. Soong, to M. F. Weber, (NRC), Summary of 970424 meeting w/C-E Inc. at NRC headquarters re: C-E work plan to provide justification for delaying of decommissioning of radwaste burial site at Hematite facility (4 pgs) |
| 39. | 09/25/97 | 9710060010 | Letter from M. F. Weber, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Informs that licensee has not submitted decommissioning plan nor justification of delaying decommissioning as described in 960913 letter (3 pgs) |
| 40. | 09/29/97 | 9710060407 | Letter from M. F. Weber, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Informs that NRC reviewed licensee submittals and agrees that sources of Tc-99 appears to be former ring storage area. Safety Condition S-2 of license will be removed at time of next license amendment (5 pgs) |
| 41. | 11/21/97 | 9711280253 | Letter from S. Soong, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Forwards request for additional information identified in enclosure to letter, requesting amend to materials license SNM-33 to update Hematite evaporation ponds decommissioning plan (2 pgs) |
| 42. | 11/21/97 | 9711280301 | Letter from M. F. Weber, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Informs that NRC reviewed licensee submittal and determined that requested alternate schedule for decommissioning and submittal of decommissioning plan is necessary to effective conduct of operations (2 pgs) |

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|------------|-------------|-----------------------------|---|
| 43. | 02/12/98 | 9802240339 | Letter from M. F. Weber, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Forwards Amendment 19 to License SNM-33 incorporating revised Fundamental Nuclear Material Control Plan; Safeguards License Condition SG-1.1; and SER enclosure which includes categorical exclusion (9 pgs) |
| 44. | 02/26/98 | 9803110177 | Letter from M. F. Weber, NRC, to R. W. Sharkey, ABB Combustion Engineering Nuclear Fuel, Forwards Amendment 20 to License SNM-33 (2 pgs) |
| | | | attach.: 02/26/98 9803110179 Amendment 20 to License SNM-33 authorizing release of hydrofluoric acid w/o continuing NRC license controls (4 pgs) |
| | | | attach.: 02/26/98 9803110184 SER supporting Amendment 20 to SNM-33 (8 pgs) |

**APPENDIX G
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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 1. | 01/22/1964 | Ltr from R. Layfield of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding application dated November 27, 1963 (5 pages) |
| 2. | 02/27/1964 | Ltr from R. Layfield of U.S. Atomic Energy Commission to W. Shearer of United Nuclear Corporation, regarding Application for SNM License (2 pages) |
| 3. | 04/09/1964 | Ltr from R. Layfield of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment to License SNM-777 (1 page) |
| 4. | 06/08/1964 | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to H. Kalish of United Nuclear Corporation, regarding Amendment No. 2 of License SNM-777 (1 page) |
| 5. | 04/21/1965 | U. S. Atomic Energy Commission Special Nuclear Material License, License No. SNM-33 (6 pages) |
| 6. | 05/21/1965 | Letter to NRC from J. Swallow, United Nuclear Corp., re 4/21/65 Renewed SNM-33 license (3 pgs) |
| 7. | 06/07/1965 | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding application dated May 21, 1965 (6 pages) |
| 8. | 06/16/1965 | Ltr from M. J. McAlduff of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding supplemental information (7 pages) |
| 9. | 08/18/1965 | TWX Incoming from D. Cronin of United Nuclear Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding Plant Modification (1 page) |
| 10. | 08/19/1965 | Ltr from D. Cronin of United Nuclear Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding insertion in license SNM-33 (3 pages) |

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|-------------------|--------------------|----------------------|---|
| 11. | 08/24/1965 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to D. Cronin of United Nuclear Corporation, regarding REK:NLS:196 (5 pages) |
| 12. | 09/25/1965 | | Ltr from D. Cronin of United Nuclear Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding DML:RLL 70-371, REK:NLS-196, NLS-305 (2 pages) |
| 13. | 11/24/1965 | | Ltr from D. Cronin of United Nuclear Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding Approved Shipping Containers (7 pages) |
| 14. | 12/14/1965 | | Memo from C. Luke of U.S. Atomic Energy Commission to D. Nussbaumer of U.S. Atomic Energy Commission, regarding United Nuclear Corporation (UNC), Hematite, no: New Haven, Connecticut; Wood River Jct., R.I. - Certification of Non-commingling (1 page) |
| 15. | 01/06/1966 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to D. Cronin of United Nuclear Corporation, regarding Amendment 16 of License SNM-777 (1 page) |
| 16. | 05/20/1966 | | Ltr from D. Cronin of United Nuclear Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding Shipping Containers (15 pages) |
| 17. | 06/13/1966 | | Memo from C. Luke of U.S. Atomic Energy Commission to D. Nussbaumer of U.S. Atomic Energy Commission, regarding United Nuclear Corporation (UNC), revision of Emergency Control Plans, docket 70-36 and 70-371, May 23, 1966 (1 page) |
| 18. | 10/17/1966 | | Ltr from D. Cronin of United Nuclear Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding Shipment of Low Level Waste Scrap and Other Residues (1 page) |
| 19. | 01/05/1967 | | Ltr from D. Cronin of United Nuclear Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding Boat Calciner and Associated Equipment (10 pages) |

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| <u>NO.</u> | <u>DATE</u> | <u>NUMBER</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---------------|---|
| 20. | 02/21/1967 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to J. Scoffin of United Nuclear Corporation, regarding allocation for License SNM-33 for Uranium 93% enr. (2 pages) |
| 21. | 09/21/1967 | | Memo from C. Luke of U.S. Atomic Energy Commission to D. Nussbaumer of U.S. Atomic Energy Commission, regarding United Nuclear Corporation (UNC) - Emergency Control Plan (Section 600) - Docket Nos. 70-36, 371, 820, September (3 pages) |
| 22. | 01/04/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to D. Cronin of United Nuclear Corporation, regarding Amendments No. 71-7 through 71-12 of License SNM-33, Amendments Nos. 71-8 through 71-13 of License SNM-368 and Amendments Nos. 71-7 through 71-12 of License SNM-777 (43 pages) |
| 23. | 05/24/1968 | | Ltr from R. Wischow of U.S. Atomic Energy Commission to F. Stengel of United Nuclear Corporation, regarding AEC safeguards inspection (2 pages) |
| 24. | 06/10/1968 | | Ltr from B. Youngblood of U.S. Atomic Energy Commission to Files, regarding United Nuclear Corporation - Laundry and Stack Effluents at Hematite (SNM-33) and Wood River Junction (SNM-777) (3 pages) |
| 25. | 07/11/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 42 to License SNM-33 (2 pages) |
| 26. | 07/15/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 43 to License SNM-33 (3 pages) |
| 27. | 07/24/1968 | | Ltr from R. Wischow of U.S. Atomic Energy Commission to F. Stengel of United Nuclear Corporation, regarding corrective action (1 page) |

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RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>NUMBER</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---------------|--|
| 28. | 07/31/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 44 to License SNM-33 (2 pages) |
| 29. | 08/06/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 44 of License SNM-777 (1 page) |
| 30. | 09/12/1968 | | Ltr from J. McBride of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 45 to License SNM-33 (1 page) |
| 31. | 10/09/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to F. Stengel of United Nuclear Corporation, regarding Amendment No. 46 of License SNM-777 (2 pages) |
| 32. | 11/02/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 48 of License SNM-777 (1 page) |
| 33. | 11/22/1968 | | Ltr from H. McBride of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 47 of License SNM-777 (1 page) |
| 34. | 11/27/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 46 of License SNM-33 (2 pages) |
| 35. | 12/13/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to D. Cronin of United Nuclear Corporation, regarding Amendment 71-2 of Licenses 70-36, -371, -820, SNM-33, -368, -777 (7 pages) |
| 36. | 12/15/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 47 of License SNM-33 (3 pages) |

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| <u>NO.</u> | <u>DATE</u> | <u>NUMBER</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---------------|---|
| 37. | 01/28/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 48 of License SNM-33 (2 pages) |
| 38. | 01/31/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 40 of License SNM-33 (2 pages) |
| 39. | 02/24/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 50 of License SNM-777 (1 page) |
| 40. | 02/24/1968 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 51 of License SNM-777 (1 page) |
| 41. | 03/21/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 50 of License SNM-33 (3 pages) |
| 42. | 04/01/1969 | | Ltr from J. McBride of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Reports NDEO-1501 and NDEO-1771 (1 page) |
| 43. | 04/25/1969 | | Ltr from R. Wischow of U.S. Atomic Energy Commission to United Nuclear Corporation, regarding safeguard amendments (7 pages) |
| 44. | 05/13/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding renewal of SNM-777 (2 pages) |
| 45. | 05/16/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 51 of License SNM-33 (5 pages) |
| 46. | 06/13/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding renewal of SNM-33 (3 pages) |

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| <u>NO.</u> | <u>DATE</u> | <u>NUMBER</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---------------|---|
| 47. | 06/25/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of L. Swallow of United Nuclear Corporation, regarding Amendment No. 52 of SNM-777 (1 page) |
| 48. | 07/09/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No 71-18 of License SNM-777 (3 pages) |
| 49. | 10/13/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding organizational changes (1 page) |
| 50. | 10/28/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding renewal of Licenses Nos. SNM-36 and SNM-777 (1 page) |
| 51. | 11/20/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 53 of License SNM-777 (1 page) |
| 52. | 12/01/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 53 to License SNM-33 (2 pages) |
| 53. | 12/01/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 54 of License SNM-777 (1 page) |
| 54. | 12/01/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 55 of License SNM-777 (1 page) |
| 55. | 12/03/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 54 to License SNM-33 (1 page) |

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|------------|-------------|---------------|---|
| 56. | 12/29/1969 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 55 to License SNM-33 (1 page) |
| 57. | 02/17/1970 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 71-20 of License SNM-777 (3 pages) |
| 58. | 02/25/1970 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding amendment to Special Nuclear Material Licenses Nos. SNM-53 and SNM-777 (2 pages) |
| 59. | 03/13/1970 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment 56 to License SNM-33 (3 pages) |
| 60. | 03/24/1970 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 57 to License SNM-33 (1 page) |
| 61. | 03/24/1970 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to L. Swallow of United Nuclear Corporation, regarding Amendment No. 56 of License SNM-777 (1 page) |
| 62. | 05/05/1970 | | Ltr from D. Darr of United Nuclear Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding SNM-33, Docket 70-36; Request for Temporary Approval of High Enrichment Incineration (2 pages) |
| 63. | 06/06/1970 | | Memo from R. Stevenson of U.S. Atomic Energy Commission to Files, regarding United Nuclear Corporation (UNC) Hematite, Missouri, Application for UO ₂ Pellet container Model UNC-2901, Dockets 70-33 and 70-820, April 10 and 24, 1970 (2 pages) |
| 64. | 05/21/1970 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to D. Darr of United Nuclear Corporation, regarding Amendment No. 58 of License SNM-33 (2 pages) |

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| <u>NO.</u> | <u>DATE</u> | <u>NUMBER</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---------------|--|
| 65. | 06/08/1970 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to D. Darr of United Nuclear Corporation, regarding Amendment No. 59 to License SNM-33 (7 pages) |
| 66. | 07/09/1970 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to D. Darr of United Nuclear Corporation, regarding Amendment No. 60 to License SNM-33 (2 pages) |
| 67. | 07/31/1970 | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to D. Darr of United Nuclear Corporation, regarding Amendment No. 61 to License SNM-33 (3 pages) |
| 68. | 10/29/1971 | | Ltr from P. Loysen of Gulf United Nuclear Fuels Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding amendment for License SNM-33 (1 page) |
| 69. | 01/07/1972 | | Ltr from R. Loysen of Gulf United Nuclear Fuels Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding Fabrication of High Enrichment Pellets and Rods (4 pages) |
| 70. | 03/30/1972 | | Ltr from P. Loysen of Gulf United Nuclear Fuels Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding Revision of Green Room Nuclear Safety Basis (48 pages) |
| 71. | 05/03/1972 | | Ltr from P. Loysen of Gulf United Nuclear Fuels Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding Waste Management Program, AEC License No. SNM-33, Docket 70-36 (40 pages) |
| 72. | 05/09/1972 | | Ltr from P. Loysen of Gulf United Nuclear Fuels Corporation to D. Nussbaumer of U.S. Atomic Energy Commission, regarding Renewal of AEC License No. SNM-33, Docket 70-36 (6 pages) |
| 73. | 12/05/1972 | | Ltr from H. Crocker of U.S. Atomic Energy Commission to J. O'Reilly of U.S. Atomic Energy Commission, regarding Management Meeting with Gulf-United Nuclear Fuels Corporation (3 pages) |

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| <u>NO.</u> | <u>DATE</u> | <u>NUMBER</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---------------|--|
| 74. | 04/09/1973 | | Ltr from D. Knuth of U.S. Atomic Energy Commission to P. Loysen of Gulf United Nuclear Fuels Corporation, regarding RO:MPPB 70-36 (9 pages) |
| 75. | 05/21/1973 | | Ltr from R. Page of U.S. Atomic Energy Commission to H. Kropp of Gulf United Nuclear Fuels Corporation, regarding exemptions (2 pages) |
| 76. | 06/07/1973 | | U.S. Atomic Energy Commission Special Nuclear Material Import License SNM-1361 (1 page) |
| 77. | 09/28/1973 | | Ltr from L. Rouse of U.S. Atomic Energy Commission to R. Kropp of Gulf United Nuclear Fuels Corporation, regarding Amendment No. 82 of License SNM-33 (2 pages) |
| 78. | 10/15/1973 | | Ltr from R. Kropp of Gulf United Nuclear Fuels Corporation to J. O'Leary of U.S. Atomic Energy Commission, regarding Request for Modification of Order or Hearing (2 pages) |
| 79. | 01/15/1974 | | Ltr from P. Loysen of Gulf Nuclear Fuels Company to W. Martin of U.S. Atomic Energy Commission, regarding response to letters of December 20, 1973 and January 3, 1974 (2 pages) |
| 80. | 03/04/1974 | | Ltr from H. Lichtenberger of Combustion Division, Combustion Engineering, Inc. to L. Rouse of U.S. Atomic Energy Commission, regarding issuance of SNM license to operate the Hematite Facility (9 pages) |
| 81. | 03/27/1974 | | Ltr from H. Lichtenberger of Combustion Division, Combustion Engineering, Inc. to L. Rouse of U.S. Atomic Energy Commission, regarding transfer of License SNM-33 from Gulf United Nuclear Corporation to Combustion Engineering (2 pages) |
| 82. | 04/02/1974 | | Ltr from L. Rouse of U.S. Atomic Energy Commission to P. Loysen of Gulf United Nuclear Fuels Corporation, regarding Amendment No 84 of License SNM-33 |

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| <u>NO.</u> | <u>DATE</u> | <u>NUMBER</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---------------|--|
| 83. | Undated | | Ltr from D. Nussbaumer of U.S. Atomic Energy Commission to D. Cronin of United Nuclear Corporation, regarding Amendment No. 71-4 of License 70-371 (8 pages) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|---|
| 1. | 03/11/77 | Letter to Mr. H. Eskridge from Charles MacDonald, Certificate of Compliance No. 6294 (5 pgs) |
| 2. | 04/28/77 | Letter to Mr. H. Eskridge from Charles MacDonald, Termination approval. (1 pg) |
| 3. | 06/03/77 | Letter to L. Rouse, from H. Eskridge, supplemental environmental information relating to operation of the wet scrap recovery process (12 pgs) |
| 4. | 08/18/78 | Letter to Mr. H. Eskridge from James Partlow, advise of implementation revised reporting requirements. (1 pg) |
| 5. | 02/13/79 | Letter to Mr. W. Crow from H. Eskridge, Rev 1 to C-E Hematite Emergency Plan. (22 pgs) |
| 6. | 06/04/79 | Letter to Mr. Lichtenberger from W. Crow adding condition 22 (3 pgs) |
| 7. | 08/24/79 | Letter to W. Crow from H. Eskridge providing additional revised pages to the C-E Hematite Emergency Plan. (18 pgs) |
| 8. | 09/26/79 | Letter to W. Crow from H. Eskridge providing additional revised pages to the C-E Hematite Emergency Plan (6 pgs) |
| 9. | 10/26/79 | Letter to Mr. Lichtenberger from W. Crow Amendment No. 4 authorizing operations of incinerator (2 pgs) |
| 10. | 02/29/80 | Letter to R. Denise from A. Scherer, Subj: Fuel Cladding Deformation Models for LOCA Analyses (4 pgs) |
| 11. | 02/05/80 | Letter to W Crow from H. Eskridge letter of agreement (3 pgs) |
| 12. | 03/05/81 | Letter to Dr. Shum from H. Eskridge, two copies of consultant's report on Lake Virginia Dam (33 pgs) |
| 13. | 10/08/81 | Letter to Mr Page from H. Eskridge forwarding eight copies of Drawing D-5008-2023 (6 pgs) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 14. | 10/28/81 | Review of Amendment application dated June 19, 1981, and supplement dated October 8, 1981, concerning storage of dry UO2 Powder, 70-36A03S (2 pgs) |
| 15. | 04/21/82 | Letter to H. Eskridge from R. Page, completed review of radiological contingency plan (5 pgs) |
| 16. | 04/23/82 | Letter to Mr. Crow from H. Lichtenberger enclosing 1980 Annual Report and Form 10-K (3 pgs) |
| 17. | 06/03/82 | Letter to Dr Shum from H. Eskridge additional environmental information (6 pgs) |
| 18. | 06/09/82 | Letter to Mr Lichtenberger from R. Page, Amendment No. 8 (5 pgs) |
| 19. | 07/20/82 | Letter to Dr. Shum from H. Eskridge discussion on airborne emissions (1 pg) |
| 20. | 07/21/82 | Letter to Mr. W. Crow from H. Eskridge discussion on withdrawing the "proprietary" designation (5 pgs) |
| 21. | 09/03/82 | Letter to R. Page from H. Eskridge revised pages to Radiological Contingency Plan (21 pgs) |
| 22. | 12/16/82 | Letter to W. Crow from Leroy Booth copies of Draft Report on Radiological Survey of Combustion Engineering Burial Site (3 pgs) |
| 23. | 12/29/82 | Letter to H. Eskridge from W. Crow need additional information for application. (7 pgs) |
| 24. | 02/24/83 | Letter to W. Crow from F. Fisher, Subj: AMENDMENT TO LICENSE NO. SNM-33, DOCKET NO. 70-36, COMBUSTION ENGINEERING INC., HEMATITE FACILITY (1 pg) |
| 25. | 03/04/83 | Letter to Mr Lichtenberger from R. Page, Amendment No. 9 (2 pgs) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 26. | 08/29/83 | Letter to US NRC from H. Eskridge, Subj: Effluent Monitoring Report January - June 1983 (2 pgs) |
| 27. | 12/30/83 | Letter to Mr. Eskridge from R. Page renewed Materials License No. SNM-33. (1 pg) |
| 28. | 12/30/83 | Materials License SNM-33 (3 pgs) |
| 29. | 12/30/83 | Safety Evaluation Report License No. SNM-33 (36 pgs) |
| 30. | 02/21/84 | Letter to NRC from H.E. Eskridge, Combustion Engineering, Subj: Effluent Monitoring Report for July - Dec 1983 (2 pgs) |
| 31. | 03/08/84 | Letter to H. Eskridge, CE, from R. Page, NMSS, Amendment No. 1 (6 pg) |
| 32. | 05/31/84 | Letter to Mr. Page from H. Eskridge proposed plan for decommissioning the evaporation ponds. (6 pgs) |
| 33. | 06/08/84 | Letter to Mr. Eskridge from R. Page Amendment No. 2 (6 pgs) |
| 34. | 10/03/84 | Letter to Mr. Eskridge from R. Page Amendment No. 3 (4 pgs) |
| 35. | 02/21/85 | Letter to US NRC from H. Eskridge Effluent Monitoring Report July - December 1984 (4 pgs) |
| 36. | 03/06/85 | Personnel Exposure and Monitoring Report Calendar Year 1984 from H. Eskridge (2 pgs) |
| 37. | 08/13/85 | Effluent Monitoring Report January - June 1985 (2 pgs) |
| 38. | 08/19/85 | Letter to Mr Eskridge from Charles MacDonald Certificate of Compliance No. 6294, Revision No. 9 (6 pgs) |
| 39. | 01/20/86 | Letter to Mr. Crow from H. Eskridge increasing possession limit. (1 pgs) |
| 40. | 01/22/86 | Letter to US NRC from H. Eskridge, Subj: Personnel Exposure and Monitoring Report Calendar Year 1985 (2 pgs) |

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| 41. | 01/27/86 | Letter to NRC from H. E. Eskridge, CE, transmitting new Fundamental Nuclear Material Control Plan (1 pg) |
| 42. | 01/30/86 | Effluent Monitoring Report July - December 1985 (2 pgs) |
| 43. | 04/17/86 | CATEGORICAL EXCLUSION FOR AMENDMENT REQUEST DATED JANUARY 20, 1986 (1 pg) |
| 44. | 04/17/86 | SAFETY EVALUATION REPORT, APPLICATION DATED JANUARY 20, 1986, RE INCREASED POSSESSION LIMIT FOR SOURCE MATERIAL (2 pg) |
| 45. | 04/17/86 | Letter to Mr. Eskridge from W. Crow, Amendment No. 5 (1 pg) |
| 46. | 12/05/86 | Letter to NRC re request to take next physical inventory during June - July 1987 period (1 pg) |
| 47. | 02/12/87 | Letter to W. Crow from H. Eskridge Report on the current status of the evaporation pond decommissioning project (11 pgs) |
| 48. | 03/30/87 | Letter to George Bidinger from H. E. Eskridge, Subj: hydrocarbon controls (2 pgs) |
| 49. | 06/29/87 | Letter to Stanley Kirsliis from H. E. Eskridge, Subj: Exemption request from 10CFR70.51(f) (2 pgs) |
| 50. | 08/19/87 | Letter to Combustion Engineering from Robert Bernero, Subj: Order Modifying License, Effective Immediately (5 pgs) |
| 51. | 08/20/87 | Letter to US NRC from H. Eskridge, Subj: Effluent Monitoring Report January - June 1987 (2 pgs) |
| 52. | 10/14/87 | Letter to Charles MacDonald from H. E. Eskridge, Subj: Shipping package amendment request (6 pgs) |
| 53. | 02/02/88 | Management Change (3 pgs) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 54. | 02/09/88 | Letter to Combustion Engineering from George Bidinger, Subj: Safety Evaluation Report, Letter Dated December 26, 1987, Re Revised Radiological Contingency Plan, Dated July 1987 (6 pgs) |
| 55. | 02/09/88 | Letter to Combustion Engineering from Leland C. Rouse, Subj: SNM-33, Amendment No. 7 (2 pgs) |
| 56. | 02/09/88 | Materials License SNM-33, Amendment No. 7, Combustion Engineering (4 pgs) |
| 57. | 02/16/88 | Letter to NRC from H. E. Eskridge, Subj: Effluent Monitoring Report - July Through December, 1987 (2 pgs) |
| 58. | 02/23/88 | Letter to NRC from H.E. Eskridge, Combustion Engineering, Subj: Personnel Exposure and Monitoring Report, Calendar Year 1987 (2 pgs) |
| 59. | 03/29/88 | Letter to Richard Cunningham from A. E. Scherer, Subj: Clarification of Combustion Engineering Management Changes (9 pgs) |
| 60. | 04/08/88 | Letter to A. E. Scherer from George Bidinger, Subj: Draft meeting agenda (3 pgs) |
| 61. | 04/29/88 | Letter to George Bidinger from James Rode, Subj: Revised application for amendment for SNM-33 (40 pgs) |
| 62. | 06/06/88 | Letter to George Bidinger from James Rode, Subj: Revised application for amendment for SNM-33 (6 pgs) |
| 63. | 06/16/88 | Letter to Combustion Engineering from Leland Rouse, Subj: Categorical Exclusion for Amendment of License SNM-33 to Increase the U-235 Enrichment Limit to 5.0 Percent (1 pg) |
| 64. | 08/10/88 | Letter to Combustion Engineering from Charles McDonald, Subj: Certificate of Compliance for shipping package (7 pgs) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|-------------------|--------------------|--|
| 65. | 10/14/88 | Letter to P. L. McGill from Leland Rouse, Subj: License amendment application dated 10/11/1988 (9 pgs) |
| 66. | 10/31/88 | Letter to P. L. McGill from Leland Rouse, Subj: Amendment to SNM-33 (45 pgs) |
| 67. | 11/07/88 | Letter to P. L. McGill from Leland Rouse, Subj: Amendment application dated 10/10/88 (8 pgs) |
| 68. | 11/23/88 | Letter to William McDonald from A. E. Scherer, Subj: Fee Payment for FNMCP Amendment Request (5 pgs) |
| 69. | 01/09/89 | Letter to H. E. Eskridge from Scott L. Davis, Subj: DOE Radiological Assistance Availability for Combustion Engineering Facility (2 pgs) |
| 70. | 01/18/89 | Letter to Charles MacDonald from A. E. Scherer, Subj: Certification of Compliance No. 6294 Amendment Request (53 pgs) |
| 71. | 05/10/89 | Materials License SNM-33, Amendment No. 12, Combustion Engineering (5 pgs) |
| 72. | 07/28/89 | Materials License SNM-33, Amendment No. 12, Combustion Engineering (5 pgs) |
| 73. | 11/15/89 | Materials License SNM-33, Amendment No. 14, Combustion Engineering (4 pgs) |
| 74. | 11/24/89 | Materials License SNM-33, Amendment No. 15, Combustion Engineering (5 pgs) |
| 75. | 12/20/89 | Materials License SNM-33, Amendment No. 16, Combustion Engineering (4 pgs) |
| 76. | 01/29/91 | Material License, Combustion Engineering, Inc., License number SNM-33 Amendment No. 18 (5 pgs) |

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| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
|------------|-------------|---|
| 77. | 03/06/91 | Letter to James Rode from Theodore Sherr, Subj: US NRC Inspection Report No. 70-36/91-201 (3 pgs) |
| 78. | 02/10/92 | Summary of 01/30/02 Meeting with Combustion Engineering (CE) re Consolidation of Nuclear Fuel Manufacturing Operation and Integrated Licensing Plan (3 pgs) |
| 79. | 03/30/92 | Letter to J. Rode, from J. Hickey (2 pg) |
| 80. | 05/20/92 | Letter to R. Bernero, Subj. Update of ABB Combustion Engineering Nuclear Power Signature Authorities (13 pgs) |
| 81. | 11/20/92 | Material License, Combustion Engineering, Inc., License number SNM-33 Amendment No. 21 (5 pgs) |
| 82. | 01/11/93 | Letter to J. Hickey Subj. Request for limited authorization to introduce special nuclear material in building 230 and 265-1 (46 pgs) |
| 83. | 04/13/93 | Telefax to G. France from J. Rode (12 pgs) |
| 84. | 11/19/93 | Letter to R. Chappell Subj Wedded uranium oxide in UNC-2901 pellet/powder shipping container, certificate of compliance No. 6294 (6 pgs) |
| 85. | 11/22/93 | Memorandum for R. Pierson from M. Klasky Subj. Site visit to Combustion Engineering, Hematite, Missouri (2 pgs) |
| 86. | 12/07/93 | Letter to J. Rode Subj Emergency Plan (16 pgs) |
| 87. | 12/10/93 | Letter to M. Tokar Subj Hematite licensee renewal update-chapter 13, environmental information (30 pgs) |
| 88. | 04/20/94 | Letter to R. Sharkey from S. Soong, Subj. Organizational Changes (2 pgs) |

APPENDIX H - continued
RECORDS BEING RELEASED IN ENTIRETY

| <u>NO.</u> | <u>DATE</u> | <u>DESCRIPTION/(PAGE COUNT)</u> |
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| 89. | 09/30/94 | Memo from L. Bykoski to S. Soong (NMSS), Subj: Combustion Engineering Inc. - Hematite site-revised Schedule A of the Standby Trust Agreement (2 pgs) |
| 90. | 01/27/95 | Memo from J. Glenn to R. Pierson (NMSS), Subj: Technical Assistance Request - Combustion Engineering (CE), Hematite Evaporation Ponds (2 pgs) |