

## MATERIALS LICENSE

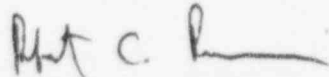
Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		SNM-1097	
1. Nuclear Energy Production		3. License number Amendment 53	
2. P. O. Box 780 Wilmington, North Carolina 28402		4. Expiration date June 30, 1989	
		5. Docket or Reference No 70-1113	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	
A. Uranium enriched to <6% U-235	A. Uranium compounds	A. 50,000 kgs U-235	
B. Uranium enriched in U-235	B. Any	B. 0.35 kg U-235	
C. Uranium enriched from 6% to <10% U-235	C. Uranium compounds	C. 500 kg U-235	
D. Uranium enriched from 10% to <15% U-235	D. Uranium compounds	D. 9.649 kg U-235	
E. Uranium-233	E. Uranium compounds	E. 50 mg U-233	
F. Plutonium	F. Sealed neutron sources	F. 20 g Pu	
G. Plutonium	G. Analytical samples	G. 0.002 g Pu	
H. Plutonium	H. In nuclear fuel rods	H. <10E-6 g Pu/g U-235	
9. Authorized place of use: The licensee's existing facilities at Wilmington, North Carolina.			
10. This license shall be deemed to contain two sections: Safety Conditions and Safeguards Conditions. Both sections are part of the license and the licensee is subject to compliance with all listed conditions in each section.			

FOR THE NUCLEAR REGULATORY COMMISSION

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PDR ADOCK 07001113  
C PDR

Date: 23 SEP 1996

By:   
Robert C. Pierson  
Division of Fuel Cycle Safety  
and Safeguards, NMSS  
Washington, DC 20555

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

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## SAFETY CONDITIONS

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- S-1 Authorized use: For use in accordance with statements, representations, and conditions of Part I of the application dated October 23, 1987; and supplements dated March 21, and May 16, 1988; February 16, and December 20, 1989; December 3, 1990; January 9, October 10, and October 22, 1991; February 14, April 16, May 6, May 12, September 24, and October 13, 1992; March 18, September 7, and December 10, 1993; February 4, and July 21, 1994; April 14, 1995; January 16, and February 27, and September 4, 1996; and letters dated December 3, 1984, and February 6, 1985.
- S-2 The licensee is hereby granted exemptions and special authorizations in Sections 1.8.1 through 1.8.16, Part I, of the application.
- S-3 The licensee shall maintain and execute the response measures in the Radiological Contingency and Emergency Plan, Revision 0, dated December 2, 1994, and revisions dated February 1, and February 14, 1995; and July 31, 1996; or as further revised by the licensee consistent with 10 CFR 70.32(i).

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SAFEGUARDS CONDITIONS

## SAFEGUARDS CONDITIONS

SECTION 1.0 -- MATERIAL CONTROL AND ACCOUNTING

- SG-1.1 The licensee shall follow Sections 1.0 through 9.0 of its Fundamental Nuclear Material Control Plan dated December 16, 1987, which has been partially revised as indicated by Revision 31 of page 1 (dated July 26, 1996 and titled "Revision by Page") of said Plan. This Plan may be further revised in accordance with, and pursuant to, the provisions of either 10 CFR 70.32(c) or 70.34.
- SG-1.2 Notwithstanding the requirements of Sections 6.1 and 7.1 of the Plan identified in Condition SG-1.1, the licensee may (1) utilize a computer system independent of its Manufacturing Information and Control System (MICS) to track the SNM contained in fuel bundles and loose fuel rods received from the Wurgassen plant in Germany; and (2) have up to 90 days for completing shipper-receiver differences determinations and evaluations associated with the initial shipment of fuel assemblies from the Wurgassen plant, and up to six calendar months for subsequent shipments of loose rods. Receipt measurements and item controls associated with these fuel assemblies and rods shall be in accordance with the commitments contained in the licensee's letter (from Dr. R. J. Reda to Mr. R. C. Pierson) dated January 24, 1996.
- SG-1.3 Notwithstanding the requirement within Section 5.1 of the Plan identified in Condition SG-1.1 to conduct a physical inventory each year between July 1st and September 1st, the licensee may initiate the 1996 annual physical inventory on or before September 9, 1996. In order to satisfy regulatory intent to conduct inventories at an average interval of 12 months, the licensee's 1997 annual physical inventory date shall be no later than August 6, 1997.

SECTION 2.0 -- PHYSICAL PROTECTION FOR SNM OF LOW STRATEGIC SIGNIFICANCE

- SG-2.1 The licensee shall follow its security plan titled, "General Electric Company, Nuclear Fuel and Components Manufacturing, Wilmington, North Carolina, Physical Security Plan," dated October 26, 1981 through Revision 2 dated June 6, 1986, and as further revised under the provisions of 10 CFR 70.32(e).

SECTION 3.0 -- INTERNATIONAL SAFEGUARDS

- SG-3.1 The licensee shall follow all sub-codes within Codes 1 through 8 of the 19-page Transitional Facility Attachment No. 11A, dated January 24, 1996, to the US/IAEA Safeguards Agreement.

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- SG-3.2 Notwithstanding the requirements of 10 CFR 75.11(d) to submit facility data on forms supplied by the Commission (including IAEA DIQs), the licensee may submit the required data on internally-generated forms that follow the IAEA's DIQ format.
- SG-3.3 Notwithstanding 10 CFR 70.54(a) and 74.15, the licensee may include the IAEA MBA Code for Import/Export transactions on the DOE/NRC Form 740M in lieu of the instructions to insert it parenthetically after the RIS in Block 1 and 2 of the DOE/NRC Form 741.
- SG-3.4 Notwithstanding 10 CFR 70.54(a) and 74.15, the licensee may include the IAEA Country Code for Import/Export transactions on the DOE/NRC Form 740M in lieu of the instructions to insert it in Block 20A and C of the DOE/NRC Form 741.
- SG-3.5 Notwithstanding the requirements of 10 CFR 75.35(a) to submit Material Balance Reports on DOE/NRC Form 742, Physical Inventory Listings on DOE/NRC Form 742C and Concise Notes on DOE/NRC Form 740, the licensee may use computer generated facsimiles for the report forms specified in 10 CFR 75.35(a). The facsimiles must as nearly as possible approximate the referenced DOE/NRC Forms in format and contain the information specified in NUREG/BR-0007 unless otherwise excepted by license condition.
- SG-3.6 The licensee may disregard, for IAEA reporting purposes, the printed instructions contained in NUREG/BR-0007 relating to block 6H and 6M of DOE/NRC Form 742-C, "Physical Inventory Listing (PIL)." The licensee may use Code "J" in block 6H of the PIL regardless of nuclear material ownership and may use Code "M" in block 6M of the PIL regardless of the basis of the measurement source data.