

**U. S. NUCLEAR REGULATORY COMMISSION
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 1, Parts 30, 31, 32, 33, 34, 35, 36, 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); and to import such byproduct and source material. 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		In accordance with applications dated June 14, 1977 and July 26, 1977	
1.	General Electric Company Re-entry and Environmental Systems Division	3. License number 500-431 is amended in its entirety to read as follows:	
2.	3198 Chestnut Street Philadelphia, Pennsylvania 19101	4. Expiration date	May 31, 1978
		5. Docket or Reference No.	040-57344
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	A. Any Powder Form (Natural or Depleted)	A. 225 kilograms	
B. Thorium	B. Thoriated Tungsten Alloy	B. 910 kilograms ✓	
C. Uranium	C. Pre-fabricated Depleted Uranium Metal Alloy Components	C. 456 kilograms ✓	
D. Thorium	D. Natural Thorium Powder	D. 5 kilograms ✓	

9. Authorized use

- A. and B. Research and development and fabrication of equipment for transfer to Department of Defense.**
- C. For use in mass simulator tests for Department of Defense.**
- D. Fabrication of castings for distribution to research and development activities.**

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Supplementary Sheet

License Number SUB-831

Docket or
Reference No. 040-07344

Amendment No. 08

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at:

- A. 3198 Chestnut Street, Philadelphia, Pennsylvania.
- B. D and Luzerne Streets, Philadelphia, Pennsylvania.
- C. Morgan Town Test Facility, Elverson, Pennsylvania.
- D. STC Building 100, Goddard Boulevard, King of Prussia, Pennsylvania.
- E. CC & F Building 9, Fifth Avenue, King of Prussia, Pennsylvania.

Except that: Mass simulator tests utilizing prefabricated depleted uranium metal alloy components and the testing of and handling of re-entry vehicles incident to launch may also be performed at Vandenberg Air Force Base, California and Cape Canaveral Air Station, Florida.

11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."

12. Licensed material shall be used by, or under the supervision of, individuals designated by the licensee's Ionizing Radiation Advisory Group, Mr. C. B. Chilton, Chairman.

13. This license does not authorize the launch of licensed material.

14. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in applications dated March 9, 1973 and June 10, 1975; letters dated May 18, 1970 and May 7, 1973; and letters dated April 3, 1974, May 30, 1974, August 6, 1976, June 14, 1977, and July 26, 1977, signed by J. R. McFadden.

For the U. S. Nuclear Regulatory Commission
Original Signed By
EARL G. WRIGHT

by Radioisotopes Licensing Branch

Division of Fuel Cycle and
Material Safety
Washington, D.C. 20555

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OCT 25 1977

Date