

**U. S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE**

Amendment No. 09

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.

<p align="center">Licensee</p> <p>1. General Electric Company Re-entry and Environmental Systems Division</p> <p>2. 3199 Chestnut Street Philadelphia, Pennsylvania 19101</p>	<p>In accordance with application dated March 29, 1978,</p> <p>3. License number 303-831 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date June 30, 1983</p> <hr/> <p>5. Docket or Reference No. 040-37344</p>
--	---

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. 5 kilograms
B. Uranium	B. Prefabricated depleted uranium metal alloy components	B. 450 kilograms
C. Uranium	C. Any powder form (natural or depleted)	C. 220 kilograms
D. Uranium	D. Any powder form (natural or depleted)	D. 5 kilograms
E. Thorium	E. Natural Thorium in powder form	E. 5 kilograms
F. Thorium	F. Thoriated Tungsten Alloy	F. 20 kilograms
G. Thorium	G. Thorium acetylacetonate in powder form	G. 5 kilograms

9. Authorized use

A. through G. For use in aerospace research and development and fabrication of equipment for Department of Defense or other research and development activities.

D-144

MATERIALS LICENSE

Supplementary Sheet

License Number SUB-831

CONDITIONS

Docket or Reference No. 040-07344

Amendment No. 09

(continued)

10. Licensed material shall be used only at:

- a. 3198 Chestnut Street, Philadelphia, Pennsylvania
- b. D and Luzerne Streets, Philadelphia, Pennsylvania
- c. 401 E. Hunting Park Avenue, Philadelphia, Pennsylvania
- d. STC Building 100, Goddard Boulevard, King of Prussia, Pennsylvania
- e. CC&F Building 9, 751 Fifth Avenue, King of Prussia, Pennsylvania
- f. Building A, 751 Vandenberg Avenue, King of Prussia, Pennsylvania
- g. Morgantown Test Facility, Elverson, Pennsylvania

Except that: Mass simulator tests utilizing prefabricated depleted uranium metal alloy components and the testing and handling incident to launch of re-entry vehicles containing prefabricated depleted uranium components 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 licensee's Ionizing Radiation Advisory Group, C. B. Chilton, Chairperson, J. R. McFadden, Secretary, and J. R. Ficke, M.D., member.

13. The licensee shall not use licensed material in or on human beings or in field applications where activity is released except as provided otherwise by specific condition of this license.

14. Licensed material shall not be used in or on human beings or in products distributed to the public.

15. 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; letters dated April 3, 1974, May 30, 1974, August 6, 1976, June 14, 1977, and July 26, 1977, signed by J. R. McFadden; and licensee's application dated March 29, 1978.

Date JUN 9 1978

[Handwritten signature]
FC 186

For the U. S. Nuclear Regulatory Commission
Original Signed by
FREDRICK C. COMBS
by Radioisotopes Licensing Branch

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