

Docket File

70-687

JAN 13 1976

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Union Carbide Corporation
Sterling Forest Research Center
ATTN: Mr. James J. McGowan, Manager
Radiochemical Production
P. O. Box 324
Tuxedo, New York 10987

Gentlemen:

Enclosed is Special Nuclear Material License No. SNM-639 as renewed in its entirety. Please note the attached leak test condition for plutonium as sealed sources.

Materials and Plant Protection Amendment No. MPP-1 dated December 20, 1974, is not affected by this licensing action and remains in effect.

Sincerely,

Original signed by:
W. T. Crow
W. T. Crow, Acting Chief
Fuel Processing and Fabrication Branch
Division of Fuel Cycle and
Material Safety

- Enclosures:
1. SNM License No. SNM-639
2. License Condition for Leak Testing
Sealed Plutonium Sources

OFFICE >	MF:FPFB	MF:FPFB				
SURNAME >	WANixon	WTCrow <i>WFL</i>				
DATE >	1/12/76	1/13/76				

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		
1. Union Carbide Corporation		3. License number SNM-639 (as renewed)
2. Sterling Forest Research Center Tuxedo, New York 10987		4. Expiration date January 31, 1981
		5. Docket or Reference No. 70-687
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 233	A. Encapsulated Sources	A. Ten (10) grams
B. Uranium enriched in the U-235 isotope	B. Any Form	B. Twenty-six hundred (2600) grams of U-235
C. Plutonium	C. Encapsulated Sources	C. Two (2) milligrams Pu-238
		Ten (10) grams Pu-239
		Two (2) milligrams Pu-241
		One hundred sixty (160) grams Pu as Pu-Be neutron sources
D. Uranium 235	D. As contained in four (4) spent fuel elements	D. Seven hundred eighty-four (784) grams

W.F.C. 11/13/76

MATERIALS LICENSE

Supplementary Sheet

License Number SMM-639

Docket or
Reference No. 70-687

CONDITIONS

- 9. The special nuclear material is for use in accordance with the statements, representations, and conditions specified in the licensee's applications and letters dated April 28, 1969, May 21, 1969, November 5, 1970, February 8, 1973, June 13, 1973, June 29, 1973, August 13, 1973, May 28, 1974, and February 11, 1975.
- 10. Licensed material shall be used only at the licensee's address stated in Item 2 above.
- 11. This license does not authorize the insertion or removal of these materials into or from any nuclear reactor.
- 12. The licensee shall comply with the attached leak test condition for plutonium as sealed sources.
- 13. Pursuant to Paragraph 70.14(a) of Title 10, Code of Federal Regulations, Part 70, the licensee is hereby exempt from the requirements of Subparagraph 70.24(a)(1) with respect to special nuclear material held under this license and being used in hot cells as described in his letter dated June 29, 1973.

w.s.c.
1/13/76
WAM
1/13/76

For the U. S. Nuclear Regulatory Commission

by *w.s.c. (Crew)*

Date January 13, 1976

Division of Materials and Fuel Cycle
Facility Licensing
Washington, D. C. 20555