

NOV 08 1976

Distribution:  
Docket 70-687

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SHO  
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FCPF  
IE HQ (2)  
JCatania  
BBrooks  
ACabell  
EMcAlpine  
BAItman  
LCRouse  
JCDelaney

FCPF:JCD  
70-687  
SNM-639, Amendment No. 1

Union Carbide Corporation  
ATTN: Mr. James J. McGovern, Manager  
Radiochemical Production  
P. O. Box 234  
Tuxedo, New York 10987

Gentlemen:

Pursuant to Title 10, Code of Federal Regulations, Part 70, Items 8B, 8C, 7D, 8D and 9 of Materials License No. SNM-639 are hereby amended, and Item 14 is hereby added to read as follows:

- 8B. Forty-two hundred (4200) grams of U-235.
- 8C. Two (2) milligrams Pu-238;  
Ten (10) grams Pu-239;  
Two (2) milligrams Pu-238; and  
Eighty (80) grams Pu as Pu-Be neutron sources.
- 7D. As contained in two (2) spent fuel elements.
- 8D. Four hundred (400) grams.
- 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, February 11, 1975, and August 12, 1976.

OFFICE >						
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- 14. As a further condition of this license, the licensee shall post all storage and use locations with criticality safety signs which indicate the maximum quantity of special nuclear material that is authorized at each location and the actual amount that is present at each location.

All other conditions of this license shall remain the same.

Condition 14, above, was discussed with and agreed to by Mr. James J. McGovern of your organization. We also called to Mr. McGovern's attention the discrepancies in the possession limits given on page three of the August 12, 1976 letter, and those given in the license.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed by  
Leland C. Rouse

L. C. Rouse, Chief  
Fuel Processing & Fabrication Branch  
Division of Fuel Cycle and  
Material Safety

OFFICE	FCPF	FCPF				
SURNAME	J. Delaney:mjb	L. Rouse				
DATE	11/4/76	11/8/76				