

AUG 18 1982

Docket No. 70-687
License No. SNM-639
Amendment No. 8

Union Carbide Corporation
Medical Products Division
ATTN: Mr. Marcus H. Voth
Manager, Nuclear Operations
P. O. Box 324
Tuxedo, New York 10987

Gentlemen:

In accordance with your application dated July 20, 1982 and pursuant to Title 10, Code of Federal Regulations, Part 70, Items 8B and 9 of Special Nuclear Material License No. SNM-639 are hereby amended to read as follows:

"8B. Twenty-three (23) kilograms of U-235.

" 9. The special nuclear material is for use in accordance with the statements, representations and conditions specified in the licensee's applications dated April 28 and May 21, 1969; November 5, 1970; February 8, June 13, June 29, and August 13, 1973; May 28, 1974; February 11, 1978; June 2, and November 26, 1980; August 20, and November 16, 1981; and July 20, 1982."

All other conditions of this license shall remain the same.

This amendment authorizes an increase in the possession limits of U-235 in the form of irradiated targets and subsequent process and waste forms. It does not authorize any change in the limitation on the quantity of unirradiated uranium, enriched to 20% or more in the U-235 isotope, that may be possessed at any one time (less than 5000 grams), in accordance with the effective safeguards amendment to the license. Also, the amendment does not authorize any new activities with radioactive materials under the license, but will facilitate operations and storage of waste under provisions and conditions that we have previously approved.

8208270566 820818
PDR ADOCK 07000687
C PDR

OFFICE							
SURNAME							
DATE							

AUG 18 1982

For your information, a copy of our safety evaluation prepared in support of this amendment is enclosed.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by
Leland C. Rouse ✓

Leland C. Rouse, Chief
Advanced Fuel and Spent Fuel
Licensing Branch
Division of Fuel Cycle and
Material Safety

Enclosure: Safety Evaluation

~~Original Concurrence to be returned to~~
~~FBrown, SS-396, X74205~~ *OK*

Distribution: ✓

Docket 70-687 ✓

PDR

NMSS r/f

FCAF r/f

SHO

IE Reg I

JRoth, Reg I

ATClark

RECunningham

DRChapell

BERickson

GMcCorkle

BBrooks

ACabell

JBlaylock, IE

DWeiss

WTing

LCRouse

FBrown (LA)

OFFICE	FCAF <i>sds</i>	FCAF <i>LA</i>	SG				
SURNAME	WTing:sds	LCRouse	BE <i>he</i>				
DATE	8/17/82	8/18/82	8/18/82				