

70-687

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MEMORANDUM FOR: Leland C. Rouse, Chief
Fuel Processing and Fabrication Branch
Division of Fuel Cycle and Material Safety

FROM: George W. McCorkle, Chief
Physical Security Licensing Branch
Division of Safeguards

SUBJECT: UNION CARBIDE AMENDMENT REQUEST

This is in response to your request for a review of the physical protection aspects of the Union Carbide request for amendment to SNM License 639 dated December 28, 1977. We have reviewed the information and have determined that there are no physical security prohibitions for increasing the limit of SSNM stored at any particular location.

Our determination on the second part of the Union Carbide request, namely that dealing with the total amount of SSNM possessed, is contained in our reply to the licensee dated September 21, 1978. A copy of the response is provided as an enclosure to this letter.

Original signed by G. W. McCorkle
George W. McCorkle, Chief
Physical Security Licensing Branch
Division of Safeguards

Enclosure:
As stated

OFFICE	SGPS	SGPS	SGPS			
SURNAME	MJMcGuinness	dp RRRentschler	GWMcCorkle			
DATE	10/02/78	10/3/78	10/17/78			

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SGPS:RRR
70-687

Union Carbide Corporation
Sterling Forest Research Center
ATTN: Mr. J. J. McGovern
P. O. Box 32
Tuxedo, New York 10987

Gentlemen:

Your application for amendment of License No. SNM-693 has been referred to us for a review of the applicability of requirements for physical protection as set forth in 10 CFR Part 73.

The requirements of 10 CFR 73.50 apply to your site whenever the total of uranium-235 (contained in uranium enriched to 20 percent or more in the U-235 isotope) in unirradiated fuel elements outside of the reactor core and in irradiated and unirradiated target material exceeds 5,000 grams.

The requirements of 10 CFR 73.60 also apply if the total quantity of uranium-235 (contained in uranium enriched to 20 percent or more in the U-235 isotope) not exempted under 10 CFR 73.6 exceeds 5,000 grams.

If you believe the requirements of these sections to be inappropriate to your circumstances, under 10 CFR 73.5 you may apply to the Commission for appropriate exemptions.

Sincerely,

Original signed by D. J. Kasun

George W. McCorkle, Chief
Physical Security Licensing Branch
Division of Safeguards

SEE PREVIOUS YELLOW FOR CONCURRENCES.

SGPS	SGPS	SGPS	ELD
RRRentschler/ldp	DJKasun	GMcCorkle	RLFonner
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