

MAY 17 1989

Docket No. 70-687
License No. SNM-639
Amendment No. 4

Cintichem, Inc.
ATTN: Mr. William G. Ruzicka
Manager, Nuclear Operations
P.O. Box 816
Tuxedo, New York 10987

Gentlemen:

Pursuant to Title 10, Code of Federal Regulations, Part 70, Special Nuclear Material License No. SNM-639 is hereby amended to authorize an increase in the possession limits of U-235 in the form of irradiated targets and subsequent process and waste forms, and amended to authorize a longer storage period for recovered uranium shipping containers in the "gamma pit" in accordance with the statements, representations, and conditions specified in your application, dated April 18, 1989, and subsequent correspondence dated April 28, 1989. Accordingly, Items 8.B and 9 of Special Nuclear Material License No. SNM-639 are hereby amended to read:

8.B fifty (50) kilograms of contained U-235

9 Authorized Use

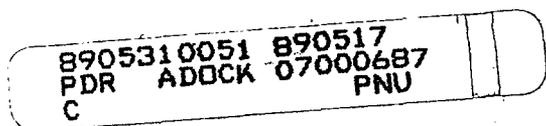
For use in accordance with statements, representations and conditions contained in Part I of the revised application (Consolidated Application) submitted on June 6, 1984 and as amended on July 16, 1984; September 6, 1984; August 20, 1985; November 12, 1987; and April 18, 1989; except as modified by the conditions of this license. The effective pages of Part I of the application are identified in Appendix A of this license.

Part I, Section 6.3.3, of the revised application (Consolidated Application) is hereby amended to read:

6.3.3 Waste Form Material Storage in the gamma facility shall be limited to a period of 3 years per batch.

All other conditions of this license shall remain the same.

This amendment does not authorize any change in the limitation of the quantity of unirradiated uranium, enriched to 20 percent or more U-235 isotope, that may be possessed at the site at any one time (less than 5000 grams). Furthermore, 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 have been previously approved.



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Enclosed are revised pages 1 and 2 of Special Nuclear Material License No. SNM-639 and revised pages I.1-1 and I.6-1 of Appendix A of the Consolidated Application. Copies of our Safety Evaluation and determination of eligibility for categorical exclusion from the requirements of an environmental assessment or environmental impact statement, in accordance with the provisions of 10 CFR Part 51, supporting the issuance of this amendment, are also enclosed.

FOR THE NUCLEAR REGULATORY COMMISSION

Leland C. Rouse, Chief
Fuel Cycle Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

Enclosures:

- 1. Revised license pages 1 and 2,
and revised page I.1-1 and I.6-1
and Appendix A revised
- 2. Safety Evaluation
- 3. Categorical Exclusion

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