



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON 25, D.C.

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DML:RL

70-36

SNM-33, Amendment No. 1

JUN 7 1955

United Nuclear Corporation
Chemicals Division
Route 21A
Hematite, Missouri

Attention: Mr. L. J. Swallow
Quality Control Manager

Gentlemen:

This refers to your application dated May 21, 1955, concerning your license SNM-33 as renewed April 21, 1955. Based on this application, Amendment No. 1 of License No. SNM-33 has been issued and is attached. The changes made are described below.

Condition 7 of the license has been amended to increase the maximum possession limit of special nuclear material at any one time from 2,000 kilograms to 10,000 kilograms as you requested.

Your interpretation of Condition 11 is not correct. Condition 11 applies to all scrap or reject materials. Based on the supplemental information contained in your May 21, 1955 application, Condition 11 has been amended so that it does not apply to oxide powders or pellets generated by and in the continuous possession of United Nuclear Corporation at the Hematite facility. The condition does apply to all other scrap and reject material, since we believe that verification of the uranium content and U-235 enrichment of such material should be a part of the nuclear safety program where nuclear safety depends on proper establishment of safe wet batch mass limits.

We have noted your comment on Condition 12. It is our understanding that special nuclear material will not be stored on the floor until you have provided the racks, fixtures or other barriers which will assure that the necessary spacing is maintained between containers, as required by Condition 12. It is not necessary that you submit your plans for compliance with this condition. This matter will be reviewed during the inspection of your licensed activities by the Commission's Division of Compliance.

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In regard to Condition 14, we believe that the license requirement regarding erection of physical barriers to prevent unauthorized access to outside storage areas is a reasonable and necessary precaution in view of the types of special nuclear material and methods of storage proposed in your license application. However, based on the alternate storage provisions and controls specified in your May 21, 1965 application which provide: (a) permanent support fixtures for each storage unit to assure separation between containers, (b) transfer of only one (1) container at a time into or out of the storage areas, and (c) specific administrative controls over access to such areas; Condition 14 has been deleted. Your interpretation of Condition 15 is correct.

In order to maintain this application in its consolidated form, please submit a revised page 4 of 4, Section 500, Paragraph 502.4 incorporating the administrative procedures described in your application dated May 21, 1965. If there are any questions regarding this license amendment, please communicate with us.

Very truly yours,

Donald A. Huesbaurer, Chief
Source & Special Nuclear Materials Branch
Division of Materials Licensing

Enclosure:
As stated

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JUN 7 1965

UNITED NUCLEAR CORPORATION
CHEMICALS DIVISION
ROUTE 21 A
HEMATITE, MISSOURI

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SNM-33, Amendment No. 1

Pursuant to 10 CFR 70, Conditions 7, 9 and 11 of Special Nuclear Material License No. SNM-33 dated April 21, 1965, are hereby amended to read as follows and Condition 14 is hereby deleted.

"7. Ten thousand (10,000) kilograms.

"8. For use in accordance with the procedures described in the licensee's application dated July 15, 1963 as it pertains to the Emergency Plan, and applications dated January 22, January 25, and May 21, 1963.

"11. Prior to processing scrap or reject enriched uranium-bearing materials in the Green Room, the licensee shall, in establishing a safe wet mass limit: (a) Produce a relatively homogeneous mixture of the material to be processed; (b) Obtain appropriate samples of the mixture; and (c) Determine the uranium content and U-235 enrichment. This requirement does not apply to oxide powders or pellets which have been generated by and in continuous possession of the licensee at the UNC Hematite Facility and where identification of these materials, including enrichment and total uranium content have been maintained."

All other conditions of this license shall remain the same.

FOR THE U. S. ATOMIC ENERGY COMMISSION

Donald A. Hissbauer, Chief
Source & Special Nuclear Materials Branch
Division of Materials Licensing