

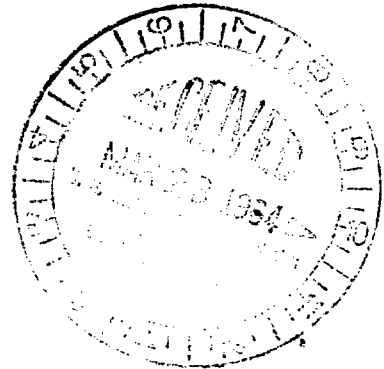
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S & EXTRA

**UNITED NUCLEAR
CORPORATION
CHEMICALS DIVISION**

MARCH 17, 1964

ROUTE 21-A
HEMATITE, MISSOURI

MR. DONALD NUSSBAUMER
U. S. ATOMIC ENERGY COMMISSION
DIVISION OF LICENSING AND REGULATION
ST. ELMO AND NORFOLK STREETS
BETHESDA, MARYLAND



SUBJECT: SNM-33 AMENDMENT TO PERMIT BLENDING FULLY
ENRICHED UO_2 WITH NATURAL ThO_2 IN THE PELLET PLANT.

GENTLEMEN:

WE ARE PREPARING TO MANUFACTURE UO_2-ThO_2 PELLETS FOR THE ELK RIVER REACTOR. THE REQUIREMENTS OF THE JOB INCLUDE BLENDING 93% ENRICHED UO_2 WITH NATURAL ThO_2 TO OBTAIN AN ENRICHMENT OF 4.4%.

THE PROCEDURE FOR THIS IS OUTLINED IN THE ATTACHED PAGES WHICH WILL CONSTITUTE SECTION 401.4 SPECIAL BLENDING AND PRESS FEED PREPARATION OF "GENERAL INFORMATION AND PROCEDURES APPLICABLE TO THE HANDLING OF SPECIAL NUCLEAR MATERIAL", DATED JULY 15, 1963.

YOUR REVIEW AND APPROVAL OF THIS PROCEDURE IS RESPECTFULLY REQUESTED. IN ORDER TO MEET COMMITMENTS TO OUR CUSTOMER, THE LICENSE AMENDMENT IS REQUIRED NO LATER THAN APRIL 13, 1964.

PLEASE LET US KNOW IMMEDIATELY SHOULD YOU REQUIRE ADDITIONAL INFORMATION IN ORDER TO GRANT SUCH LICENSE AMENDMENT.

RESPECTFULLY YOURS,

L. J. SWALLOW,
OPERATIONS CONTROL MANAGER

LJS:JB
AEC: 6

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