

JUL 8 1963

USAEC, GERMANTOWN, MARYLAND  
DONALD A. NUSSBAUMER, CHIEF  
SOURCE AND SPECIAL NUCLEAR MATERIALS BRANCH  
DIVISION OF LICENSING AND REGULATION

UNITED NUCLEAR CORPORATION  
3600 NORTH SECOND STREET  
ST. LOUIS 7, MISSOURI  
ATTENTION: MR. L. J. SWALLOW  
CHEMICALS DIVISION

LICENSE SNM-33 IS HEREBY AMENDED TO AUTHORIZE (1) MANUFACTURE OF URANIUM  
DIOXIDE PELLETS HAVING  $U^{235}$  ENRICHMENTS GREATER THAN FIVE PERCENT IN ACCORDANCE  
WITH APPLICATION DATED JANUARY 25, 1963, AND SUPPLEMENTS DATED JUNE 17 AND 27,  
AND JULY 3, 1963; AND (2) THE USE OF HEAVY WATER ( $D_2O$ ) IN THE PELLET PLANT IN  
ACCORDANCE WITH APPLICATION DATED JUNE 7, 1963, AND SUPPLEMENTS DATED  
JUNE 27 AND JULY 3, 1963. ALL OTHER CONDITIONS OF SNM-33 REMAIN THE SAME.  
THE ENRICHMENT ALLOWANCE FACTOR PERMITTED BY FIGURE 21, TID-7016, REV 1 MAY BE  
USED WITH FIGURE 1 (FULL REFLECTOR) AT ANY MODERATION. HOWEVER, THE CURVES  
OF FIGURE 21 FOR VOLUME, CYLINDER AND SLAB SHOULD BE USED ONLY WITH TABLE 1,  
TID-7016, REV 1. REFERENCE LR:DAN 70-36

*yes!*  
*RHS July 10, 1963*

*B-128*