

Donald A. Nussbaumer, Chief  
Source & Special Nuclear Materials Branch, DML

April 28, 1965

Charles D. Luke, Chief  
Criticality Branch, DML

UNITED NUCLEAR CORPORATION, WOOD RIVER JUNCTION, RHODE ISLAND - NEW SCRAP  
RECOVERY OPERATIONS - DOCKET NO. 70-820, APRIL 22, 1965 TWX

SYMBOL: DML:RHO

UNC has submitted additional information to support their application dated March 31, 1965, for additional scrap recovery operations. Question No. 3 of our memo, Luke to Nussbaumer, dated April 21, 1965, has been satisfactorily answered. However, Question No. 1 has not been satisfactorily resolved and Question No. 2 was answered only in part.

In order to continue our review of the subject license amendment application, we recommend the following be sent to the applicant:

- "1. We do not believe the additional information which you submitted is sufficient to justify a 550 g U-235 mass limit in the unsafe geometry Retort (2-R-2), because your plans do not include an independent verification of the shipper's estimate of the U-235 content of the scrap material. In order to provide a safety factor for double batching, please confirm that no more than 350 g U-235 obtained from a single container will be charged to the Retort for each furnacing operation.
- "2. The additional information which you submitted did not include your plans for disposing of the solids collected from the Off-Gas Condensing Unit (2-F-4). Please describe these plans including subsequent processing, uranium and isotopic analyses and safeguards to prevent accumulation of residue batches in unsafe geometry."

OFFICE ▶	DML	DML				
SURNAME ▶	<i>RHO Odegarden</i> Odegarden:bar	<i>CDL</i> CDLuke				
DATE ▶	4/28/65	4/29/65				

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