

Donald A. Hunsbaurer, Chief
Source & Special Nuclear Materials Br.

November 1, 1962

Charles D. Luke, Chief
Criticality Evaluation Br.

7100 BE #1483
10/27/65

UNITED NUCLEAR CORP. LETTER OF OCTOBER 24, 1962 RE: SHIPPING
CONTAINER FOR URANIUM COMPOUNDS AND SOLUTIONS - DOCKET 70-36

We have reviewed the subject application requesting approval of shipping procedures for uranium compounds and solutions of any enrichment.

Applicant proposes a 5.25 I.D. x .375" wall thickness pipe container to be braced inside a 65-gallon steel drum. The 5.25" I.D. container exceeds the maximum allowable inside diameter of 5 inches permitted for all enrichments. Inasmuch as the 5" diameter incorporates a safety factor of only 1.10, we recommend strict adherence to the 5" specification.

36.5" high

United Nuclear plans to ship solutions in this container. Mr. Christian Beck should review the structural integrity of this container keeping in mind its probable application as a solution container. We are skeptical of the bottom plate and top flanged cover, and believe that the thickness should be increased on the flange, cover and bottom.

Attachment:
Ltr fm UIC dtd 10/24/62 w/sketch

DLR:MS:CEB

CDLuke/vj

11/1/62

B-112