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April 24, 1970

NIS:LJS-70/729

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U.S. ATOMIC ENERGY COMMISSION

Mr. Donald A. Nussbaumer, Chief
Source & Special Nuclear Materials Branch
Division of Material Licensing
U. S. Atomic Energy Commission
4915 St. Elmo Place
Bethesda, Maryland 20014

Subject: Shipping Container Model UNC 2901

Reference: 1. Application for License, April 10, 1970 NIS:LJS-70/715
2. Special Nuclear Material Licenses:
SNM-33, Docket 70-36
SNM-777, Docket 70-820

Regulatory File Cy.

Gentlemen:

Enclosed herewith is the complete detailed report NED-550, "Criticality Safety Analysis of UNC Type 2901 Shipping Container for UO_2 Pellets (2749-402)". Please attach it to our application (Reference 1) in place of the TWX summary of this report.

Please note that in final preparation of the report the calculated number of containers in the array differs from that listed in the TWX. Please make following pen and ink corrections on page 3 of 3 of Subsection 703 submitted with Reference 1:

a) Normal transporation - change Fissile Class II from "660 containers" to "642 containers". Fissile Class III from "1320 containers" to "1284 containers".

b) Accident conditions - change Fissile Class II and Class III from "208 containers" to "204 containers".

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ACKNOWLEDGED

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It is requested that report NED-550 be withheld from Public Documentation and treated as proprietary to United Nuclear Corporation. The disclosure of this information within the public domain would permit its use by competitors without the investment funds as required by United Nuclear Corporation to develop this information. This report has been submitted as support information and does not materially affect the safety evaluation. The information which is disclosed to the public does enable an interested person to assure himself of the safety of the operation.

Respectfully yours,

L. J. Swallow, Manager
Nuclear & Industrial Safety

jb
Enc. — SEE 70-36 FOR ENCL.

AEC (7)