DOCKET NO. 70-36 (2)
-820

UNC UNITED NUCLEAR CORPORATION
COMMERCIAL PRODUCTS DIVISION / ROUTE 21A, HEMATITE, MISSOURI 63047

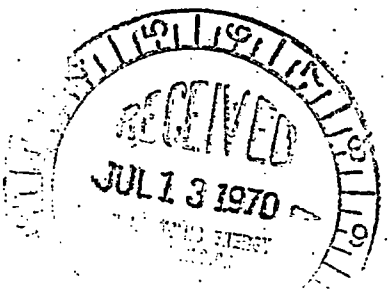
File Cy.

Regulatory

In Reply Refer To: NIS:DGD-70-175

TELEPHONE 314-937-4691
314-296-5640
TWX 910-760-1760

July 9, 1970



Mr. Donald A Nussbaumer, Chief
Source and Special Nuclear Materials Branch
Division of Material Licensing
4915 St. Elmo Place
Bethesda, Maryland 20014

Subject: Shipping Container Model 1352 - Supplemental Information

References: (1) 12/19/69 Application for Amendment of Special Nuclear Materials Licenses SNM-33 and SNM-777; NIS:LJS-69-722.
(2) 1/14/70 Supplement to Application for Amendment of Special Nuclear Materials Licenses SNM-33 and SNM-777; NIS:LJS-70-651
(3) 2/3/70 Letter from Mr. D. A. Nussbaumer requesting additional information.
(4) 6/26/70 Supplement to Application for Amendment of Special Nuclear Materials Licenses SNM-33 and SNM-777; NIS:DGD-70-168.

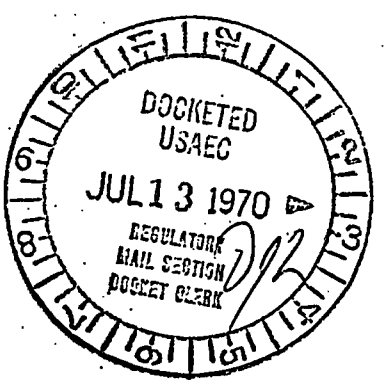
Gentlemen:

In response to the information requested by reference (3) and conversations with Mr. C. McDonald of your office, a change has been made in the inner container closure of the proposed model UNC 1352 shipping container. The container was subjected to a 30 foot drop test and then immersion tested to verify the continued integrity of the inner container flanged closure.

Following are the specifics and results of these tests:

1. Inner Container Closure
   8-1/2" bolts around flange. Reference UNC Drawing 66008-402 (Rev. 2).

2. Drop Testing
   The complete container was drop tested, striking the corner of the top chime. Weight of contents of inner container during drop testing was 20 kg (44 pounds).



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ACKNOWLEDGED

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3. Immersion Testing
   This test showed that the flanged closure and gasketing did not allow in-leakage of water to the inner container.

A copy of UNC Drawing 66008-402 (Rev. 2) may be found attached. This drawing replaces the container drawing supplied with reference (1). The only change in the revised drawing is the increase from 4-3/8-16 bolts to 8-1/2-13 bolts for inner container closure.

Since the above information duplicates in total all the information contained in my letter of 6/26/70, in the interest of simplicity, please delete reference (4) from consideration.

With this supplemental information, please continue your review of the application presented by reference (1). For your guidance, DOT authorization for the UNC-1351 was extended to permit further testing of the UNC-1352. In order to obtain their approval of the dNC-1352 before expiration of the 1351 on September 1, 1970, your expeditious consideration of this information is respectfully solicited.

Very truly yours,

David G. Darr

D. G. Darr, Acting Manager
Nuclear & Industrial Safety

kf

CC: 8 copies AEC
    1 copy DOT