

UNITED STATES GOVERNMENT

Memorandum

TO : Donald A. Nussbaumer, Chief
Source & Special Nuclear Materials Branch, DLR

DATE: August 9, 1963

FROM : Charles D. Luke, Chief
Criticality Evaluation Branch, DLR *CDL*

SUBJECT: MARTIN COMPANY, DOCKET NO. 70-58, LETTER DATED JULY 30, 1963

SYMBOL: DLR:TGM

We have reviewed the subject letter and attachment thereto and have determined that the letter from REA Express is not adequate evidence of compliance with the provisions of subparagraph 71.66(a)(3).

We would, however, re-evaluate the proposed LCL shipment provided that Martin Company obtain and submit for our review a written certificate from REA Express describing the general route to be followed and specifying that:

"The Martin Company shipment will not be placed in any vehicle containing other special nuclear material, or flammable or explosive cargo, nor at any time during loading, transshipment or delivery closer than 20 feet from such material."

The written certificate from REA Express should include the administrative procedures to insure that the requirements are communicated to and understood by the personnel involved on all carriers and at all terminals, and that there will be a person on every carrier and at every terminal responsible for assuring that the shipment is controlled in accordance with the above certificate.

Martin Company proposes that each shipment comprise a maximum of six packages, each 22.5 inches diameter x 90 inches long and containing 14 fuel elements. We have determined that the six packages would be safe in any arrangement under accident conditions (10% reduction in any edge-to-edge spacing of the inner containers).

We believe the solid angle calculations of Martin Company are in error because of the improper equation on p. B 3. Consequently, we request that Martin Company recompute the maximum number of damaged containers in an array. We will be pleased to assist the applicant in this determination.

*This info relayed
to C. Keller on
8/12/63
RRR*

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