

UNITED STATES GOVERNMENT

Memorandum

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

DATE: November 23, 1962

FROM : Charles D. Luke, Chief
Criticality Evaluation Br.

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SUBJECT: MARTIN-MARIETTA CO. AUGUST 17, 1962 APPLICATION REQUESTING
AMENDMENT TO SNM-53 - FRESH PM-3A SHIPPING PROCEDURES - DOCKET 70-58

Ref: DLR:FKD

The applicant requests authorization to ship and receive two central core fuel bundles of the PM-3A Reactor.

The shipping container consists of a 3 1/2" Schedule 40 stainless steel pipe, 38" in length, centered in a 55-gallon, 18" gauge steel drum. Shipment of one fresh bundle of PM-3A fuel elements (93.2 w/o U-235 in UO₂ stainless steel cermet) will be transferred by exclusive use truck from Andrews Air Force Base to the Martin Company. After reworking, this bundle will be returned to Andrews Air Force Base and the second central fuel bundle will be shipped in an identical manner, round trip.

In view of the fact that the total U-235 per shipment will not exceed 602 grams U-235 in solid form, we are in agreement with the applicant that the shipment does not present a nuclear safety hazard. You may want Mr. Christian Beck to look over the design of this fuel bundle container, but we see no reason for requiring that this particular single shipping container meet the 30' drop test specifications.

Attachment:
Ltr dtd 8/29/62

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