

UNITED STATES GOVERNMENT

Memorandum

TO : Lyall E. Johnson, Chief
Licensing Branch

FROM : Clifford K. Beck, Chief
Hazards Evaluation Branch

SUBJECT: MARTIN COMPANY

DATE: JUN 21 1960

We have reviewed the Martin Company application dated April 18, 1960, requesting approval of procedures for shipping fuel elements.

Martin proposes to ship four aluminum clad elements (156 g U-235 each, 624 g total) per container. Each fuel element will be enclosed in corrugated cardboard, and the four elements will be packed in a 6" x 7" x 28" wood box which is supported in the center of a 55 gallon steel drum by means of plywood supports. Any one shipment (to either the University of California or the University of Washington) will comprise a maximum of six containers (24 elements, 3.74 kg U-235).

We recommend approval of the shipping containers, on the basis of acceptable mass per unit and spacing between individual units, which would protect against accidental criticality in case the array is wetted or flooded.

The actual shipping procedures are not described in the application. We request further information on the mode of shipment, including applicant's arrangements to insure that his material will not be brought into proximity enroute with other shipments of special nuclear material.

*Info on shipping given to Washell on 6/13/60 (office visit)
Martin will submit the additional info. JJB*

A/60