

UNITED STATES GOVERNMENT

Memorandum

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

DATE: June 17, 1963

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

SUBJECT: MARTIN COMPANY, DOCKET 70-58, APPLICATION DATED JUNE 7, 1963

SYMBOL: DLR:TGM

We have reviewed the subject application requesting use of approximately 50 in-process storage racks, each with a two box capacity. These boxes are to contain up to 1100 grams of U-235 per box in the form of UO_2 (93%). The UO_2 comprises 16.5 weight percent of the total UO_2 SS rolled cermet.

The applicant has demonstrated through interaction calculations that the in-process racks will be safe even if four racks are pushed together and if each box is filled with water. We agree and recommend your approval of the proposed procedures.

AL/113