

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.

A/1113