

UNITED STATES GOVERNMENT

Memorandum

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

DATE:

AUG 4 1961

FROM : Charles D. Luke, Chief
Criticality Evaluation Branch

CDL

SUBJECT: MARTIN CO. APPLICATION DATED JULY 20, 1961, FOR AMENDMENT
OF SNM-53 (70-58)

Please refer to your memorandum of July 31, 1961, regarding the subject application.

The Martin Company requests amendment of their special nuclear materials license to permit processing of highly enriched uranium oxide powder to a spherical form. They propose to employ mass control, based on optimum moderation (300g UO₂ limit), for all operations excepting their drying ovens where limited moderation is assumed (600g limit). The total operation will be limited to less than 4000g of UO₂ material in process at one time. These procedures are satisfactory for prevention of nuclear criticality.

A/87