

UNITED STATES GOVERNMENT

# Memorandum

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

DATE: APR 2 1962

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

SUBJECT: MARTIN MARIETTA CORPORATION APPLICATION DATED MARCH 22, 1962 -  
DOCKET NO. 70-58

We have reviewed the subject application requesting approval of a process change in connection with the manufacture of spherical uranium dioxide powder.

We agree with applicant that the revised process will be safe from accidental criticality if carried out in accordance with the plans set forth in the application. No more than 370 grams of  $UO_2$  to be collected in the wet system and no more than 600 grams of uranium dioxide will accumulate in the absolute air filter system.

We recommend approval of the application.

Attachment:  
Application dtd 3/22/62

*A/96*