

UNITED STATES GOVERNMENT

Memorandum

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

DATE: August 26, 1964

FROM : Charles D. Luke, Chief
Criticality Branch, ML

SUBJECT: THE MARTIN COMPANY, DOCKET NO. 70-58, ADDITIONAL INFORMATION DATED
AUGUST 19, 1964

SYMBOL: ML:TGM

We have reviewed the subject information which supplements their application of August 4, 1964, for fabrication of U(<5%)O₂ pellets into fuel elements.

Although seven storage units were omitted from the solid angle calculations performed to justify the in-process fuel tube storage area, these units were of such distance or position so as not to materially change the results that Martin obtained. We have no objection to the described storage.

In view of the small quantity of scrap to be generated in the assembly operations and the always safe mass limitation of 350 grams U-235 for scrap in any batch, we have no objection to the procedures for handling scrap.

Based on the fact that fuel tubes are stainless steel clad tubes are leak tested prior to cleaning, HF prohibited from cleaning tanks and procedures require solution analysis if operator detects any conditions in which loss of integrity is suspected, we conclude that cleaning operations are safe from uranium build up.

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