

UNITED STATES GOVERNMENT

Memorandum

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

DATE: June 22, 1964

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

SUBJECT: MARTIN COMPANY, DOCKET NO. 70-58

During the visit of Messrs. R. L. Layfield and R. H. Odegaarden to NFS, Erwin, Tennessee, last Thursday and Friday, NFS commented upon a shipment of filters recently received from Martin. Their comments included:

1. A question concerning the ability of the shoring to withstand the one-hour fire test. This shoring was required to assure spacing and a planar array of packages on the vehicle.
2. The eight large filters contained a total of 5 kg U-235 corresponding to an average of something over 600 grams in each filter. We approved the nuclear safety of the shipment based on a maximum U-235 content of 300 grams per filter. Of course, if the U-235 were not uniformly distributed among the eight large filters, one or more of the filters would each have contained more than 600 g U-235.

We suggest a discussion of this problem in order to determine what further action on our part is required.

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