

UNITED STATES GOVERNMENT

# Memorandum

*Caution*  
*Please discuss with me*  
*JD*

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

DATE: September 20, 1965

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

*JD*

SUBJECT: MARTIN CO. DOCKET NO. 70-58, APPLICATION DATED SEPTEMBER 2, 1965

DML:CB:TGM

The subject application supplements the renewal application of January 28, 1965.

The information, in the form of revised pages, is intended to resolve, with the exception of items numbered 10, 13, 15 and 16, the questions of your letter of July 13, 1965.

We have no objection to the information as presented, however, we note that the application has not considered the information requested in item 17b of your letter of July 13, 1965, with respect to the handling and storage of contaminated air filters.

In addition, we are concerned with evaporator concentration of liquid radioactive waste as described on the revised page V-B-11. This concern is based upon the unknown degree of U-235 concentration and the possibility of unsafe accumulation of U-235 within the evaporator system. We, therefore, request that Martin Co. provide sufficient information concerning the evaporator, and its operation and controls so that we may confirm the nuclear safety of its operation. If unsafe concentration of more than a subcritical quantity of U-235 is to be handled within the evaporator, we require information concerning steam jackets, steam condensate catch systems, overflow systems and a summary of your evaluation of possible neutron interaction between the various parts of the evaporator and with other neighboring equipment.



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