

UNITED STATES (RNN) T

Memorandum

Rec'd 1/14/64

Lowenthal

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

DATE: December 11, 1963

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

SUBJECT: THE MARTIN COMPANY, MEETING TO DISCUSS MARCH 28, 1963 RENEWAL APPLICATION, DOCKET NO. 70-58

SYMBOL: DLR:FKD

On December 5, we met with Mr. Charles Keller of Martin Company to discuss the March 28, 1963 renewal application. Our review of this application dated July 19, 1963, concluded that insufficient information had been supplied, and specified the required additional information. We suggest that the points raised in our July 19 memorandum be confirmed in writing to the applicant, with the following additions to our July 19 memorandum:

Add on to paragraph 1 - "We suggest presentation of the limits by categories, e.g., enrichment (0-5, 5-10, 10-20, 85-93), physical form of material (oxide, pellets, metal), etc., in order to permit authorization of a wide range of operating parameters."

Add on to paragraph 3 - ". . ., taking into consideration the reactivity of materials being treated, when immersed in solutions containing U-235."

Insert in paragraph 7 after procedures ". . . and nuclear safety analyses . . .".

At the close of the meeting, we offered our assistance to Martin's new nuclear safety man, Charles Osmir, as regards presentation of calculative techniques derived in conjunction with Martin's experimental background with super-heat type elements.

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