

DOCKET NO. 70-58

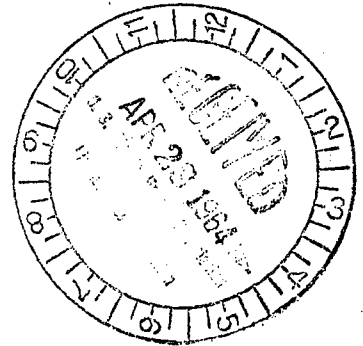
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NUCLEAR  
DIVISION  
Baltimore,  
Maryland  
21203

## MARTIN COMPANY

In reply refer to:  
ACC-281

April 24, 1964



Division of Materials Licensing  
U. S. Atomic Energy Commission  
Washington, D. C.

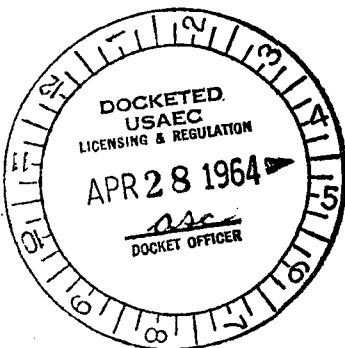
Attention: Mr. Donald A. Russbaumer, Chief,  
Source and Special Nuclear Materials Branch

Subject: Proposed Amendment No. 21 to Special Nuclear  
Material License No. 53.

Gentlemen:

Thank you very much for your prompt attention to our April 1, 1964 application for proposed amendment no. 21 to Special Nuclear Material License Number 53. Mr. Lauterbach's efforts are especially appreciated. In reply to your April 20, 1964 letter we are supplying the additional information in the order of your request.

1. The U-235 loading for the MM-1A Core and spares will approximate 160 kgs U-235. We request authorization for possession of a maximum of 200 kgs U-235 to permit possession of excess pellets which may be required for replacement of rejected material.
2. Receipt of an incoming shipment of special nuclear material is the responsibility of Martin Nuclear Materials Management. After appropriate survey by Health Physics to ascertain any contamination or radiation levels, bulk receipts of special nuclear material are stored within the boundaries of a storage bay as indicated on the enclosed drawing of the nuclear storage area. The storage area is under the jurisdiction of Martin Nuclear Materials Management which verifies uranium quantities and controls spacing requirements. This



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ACKNOWLEDGED

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MARTIN  
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procedure will be in effect for the MM-1A program and material will be stored in a planar array, if possible, but in no case in an array more reactive than as received.

3. Inspection of containers and their condition is performed in connection with receipt of special nuclear material described in point number 2. Containers whose integrity appears questionable are isolated and appropriate health physics action is taken. Nuclear safety analysis is performed if deemed necessary.
4. Cleaning operations indicated in the process flow are of completed fuel tubes and no direct contact of fuel with the cleaning media is anticipated. Identity and accountability of tubes will be maintained by immersion of the tubes into the cleaning media by utilization of a wire type basket.

Very truly yours,



C. W. Keller  
Nuclear Accountability  
& Licensing Representative

C.W./mc

Page 13 redacted for the following reason:

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