

NOV 9 - 1966

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70-90  
611-53, Section No. 2

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Martin Company  
Martin-Markette Corporation  
Baltimore, Maryland 21203

Attention: Mr. G. V. Koller  
Nuclear Accountability and  
Licensing Representative

Enclosure:

As requested in your application dated September 25, 1966 as supplemented October 1, and October 14, 1966, Item 3 of Special Nuclear Material License No. 611-53, as renewed, dated January 7, 1966, to hereby amend to read as follows:

3. For use in accordance with the procedure described in the licensee's application dated January 29, 1966, and supplements dated September 2, September 15, December 1 and December 1, 1966, January 21, September 16, October 3 and October 24, 1966.

All other conditions of this license shall remain the same.

We do not agree with your October 24, 1966 application for the allowable number of steel containers as read from Figure 52 of 101-7016, Sec. 1. However, your application of the lattice density criteria is conservative, e.g., in our analysis for the steel containers we converted the storage unit volume to an equivalent lattice volume for the "maximum unit." This volume corresponds to the allowable number of "maximum units" as determined from Figure 52 of 101-7016, Sec. 1. When converting from the number of "maximum units" to the number of your storage units, the allowable number of steel storage containers becomes 52. Using the same method on the aluminum birchings, the allowable number of birchings becomes 193. Therefore, it is acceptable to use these higher numbers of containers for purposes of storage.

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Hartin Company

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In connection with our review of your application dated October 16, 1966, requesting an amendment to your license to authorize the relocation of Nuclear Storage Area B, it is noted that the primary assembly area under your emergency evacuation plan is adjacent to the proposed Nuclear Storage Area B. In this regard, Subparagraph 70.24(a)(2), of 10 CFR 70, requires among other things that a licensee maintain comprehensive emergency procedures to assure that all personnel withdraw to an area of safety upon sounding of the evacuation alarm. In view of the proximity of the emergency assembly area to a possible source of criticality, please review this matter in terms of the requirements of 70.24(a)(2) and inform us of the results.

FOR THE NUCLEAR ENERGY COMMISSION

Donald A. Baumbauer, Chief  
 Source & Special Nuclear Materials Branch  
 Division of Materials Licensing

OFFICE ▶	DML	DML	DML		
SURNAME ▶	CEMacDonald: jf	CDLuke	DANussbaumer		
DATE ▶	11/8/66	attached	11/9/66		

UNITED STATES  
ATOMIC ENERGY COMMISSION

SPECIAL NUCLEAR MATERIAL LICENSE

**COPY**

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 70, "Special Nuclear Material Regulations," a license is hereby issued authorizing the licensee to receive and possess the special nuclear material designated below; to use such special nuclear material for the purpose(s) and at the place(s) designated below; and to transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 70.32(a) of said regulations, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee Martin Marietta Corporation 1. Name The Martin Company Baltimore Division 2. Address Baltimore, Maryland		3. License No. SNM-53, as renewed
		4. Expiration Date December 31, 1968
		5. Docket No. 70-58
6. Special Nuclear Material Uranium enriched in the isotope U-235 and plutonium.	7. Maximum quantity of special nuclear material which licensee may possess at any one time under this license  One thousand (1000) kilograms U-235 and 171 grams of plutonium.	
8. Authorized use For use in accordance with the procedures described in the licensee's application for renewal dated January 28, 1965, and supplements dated September 2, September 30, December 1 and December 3, 1965.		
9. Quantity of special nuclear material allocated to licensee pursuant to Section 70.31(b) of said part  . . . . .		

CONDITIONS

- 10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
- 11. The licensee shall comply with the attached leak test conditions for the plutonium-beryllium neutron source.
- 12. The licensee shall comply with the attached conditions for commingling control of shipments of special nuclear material.

