

70-58

THE MARTIN COMPANY

File 4

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No op. to P. Sec. Ren.
Per Mr. [unclear] (RA)*

Baltimore 3, Maryland

Mail Number W-722

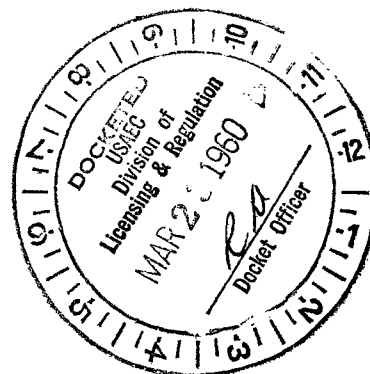
March 18, 1960

Refer to: NMC-107

Director
Division of Licensing and Regulation
United States Atomic Energy Commission
Washington 25, D. C.

Attention: Mr. Lyall Johnson
Chief, Licensing Branch

- Reference: (a) Amendment dated February 9, 1960 to License SNM-53
- (b) Criticality Precautions Manual, revised February 1, 1960



Gentlemen:

In order to assist you in reviewing our Amendment, Reference (a), we are submitting the following information which outlines differences in the Criticality Precautions Manual in your possession and the revised manual, Reference (b).

2.002.0 Approach to Problem

The procedure for making additions to the manual is clarified. Work description and allowable limits for each fuel element process and associated work areas will be prepared as Appendices to the basic manual.

2.003.0 Enforcement

Responsibility for enforcing criticality procedures now lies with the accountable person, i.e. Accountability Representative, Facility Supervisor or designee.

2.004.0 Means of Control

Paragraphs 2.004.2 and 2.004.3 are revised in the referenced manual.

A/48

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Refer to: NMC-107

2

March 18, 1960

2.005.0 Emergency Procedures

Health Physics emergency procedures have been removed from the referenced manual, however, Health Physics procedures outlined in the original manual are still applicable.

2.006.0 Procedures for Fuel Element Development and Manufacture

Description of Facilities - Current manufacturing and engineering shop arrangements and criticality areas are presented in Figures 1 and 2 in the referenced manual.

Allowable Limits for Work Areas - Additional material forms have been added to the Table of Allowable Limits for Work Areas as follows: Ib, IIc, IID, IIe, IIIf, IVb, VIc, VIIIc and XIb. Forms IX and X are redefined.

Storage Containers - Three additional types of storage containers have been added as follows: ERDL Foil Containers; PM-1 Fuel Element Containers; Inserts for ANPP Fuel Element Storage Containers.

Procedures for Special Work Areas - Work area descriptions as applicable to specific projects have been deleted. Descriptions of general procedures are given as follows in the referenced manual:

	<u>Paragraph</u>
Receipt and Storage	2.006.4
Issuing of Special Nuclear Material	2.006.5
Transfer of Nuclear Materials	2.006.6
Transport Lanes	2.006.7
Shipping	2.006.8
Procedures for Specific Work Areas	2.006.9

2.007.0 Procedures for Critical Experiment Facilities

Work area 105, Counting Room, was added.

2.008.0 References

Additional references given in the referenced manual include:

- TID-7016 - Nuclear Safety Guide
- TID-7019 - Guide to Shipment of U-235 Enriched Uranium Materials

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Refer to: NMC-107

3

March 18, 1960

**2.009.0 Procedures for Calculating Maximum Allowable Fissionable
Material Masses**

Appendix A in the original manual is now labeled paragraph 2.009.0.
There are no changes in this section.

If there are any further questions do not hesitate to contact
us.

Very truly yours,

THE MARTIN COMPANY



William W. Wachtl
Chairman

Nuclear Materials Control
Committee