

DOCKET NO. 70-58

File 4

THE MARTIN COMPANY

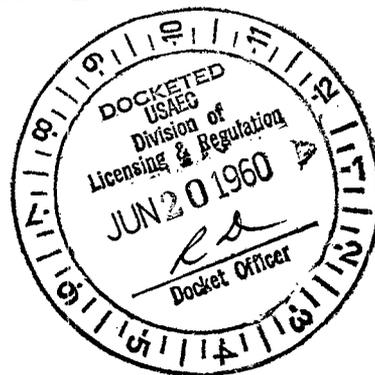
Baltimore 3, Maryland

June 17, 1960
Mail Number W-722

Refer to: LSN-1

Director
Division of Licensing & Regulation
U.S. Atomic Energy Commission
Washington 25, D.C.

Attention: Mr. J. C. Delaney
Chief, Nuclear Materials
Licensing Branch



Gentlemen:

Reference is made to our Special Nuclear Material License SNM-53 as amended. Under a recent amendment dated 4/5/60 The Martin Company was authorized to receive and use 0.16 Kg Pu-239 encapsulated as a Pu-Be neutron source. We request to further amend this license to receive and use a Plutonium-Alpha Source.

The requested Pu-Alpha Source will be used by our Health Physics Section for instrument calibration purpose. The use, restrictions and proposed health-safety precautions are attached to this request.

The Pu-Alpha Source is a Mound Laboratory Catalog Item No. IX-B (Mound Laboratory Catalog of Polonium and Plutonium Sources, November 1, 1959, pages 22, 23 and 24). The source will consist of no more than 0.7 milligrams (10^8 disintegrations per minute) deposited in the form of PuO_2 on stainless steel. The stainless steel plate is a circular disk, 1/8 inches thick by two (2) inches in diameter. The PuO_2 is deposited in a un-sealed well 0.02 inches deep by one (1) inch in diameter.

I certify that the statements made in this letter and enclosure are true, complete and correct to the best of my knowledge and belief and are made in good faith.

Very truly yours,

THE MARTIN COMPANY

J. V. Loppert
J. V. Loppert,
Licensing Officer
Nuclear Division

A/61

*copy
5/29/60*

WWW/JVL/plm
Enclosures

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Plutonium Handling - Unclad - Procedure

This unclad, Pu source will be used by members of the Health Physics Section to calibrate alpha counters. It will be handled with tongs and when not in use will be stored in a metal container and placed in a wooden source holder. When handling, care will be taken not to scratch the source surface.

Procedure:

1. Keep source in container when not in use.
2. Use tongs to handle source, never bare hands as it is unclad.
3. Do not scratch source surface.

