

JAN 7 1966

DML:KEL
70-58

Martin Marietta Corporation
The Martin Company
Baltimore Division
Baltimore, Maryland 21203

Attention: Mr. C. W. Keller
Nuclear Accountability and
Licensing Representative

Gentlemen:

Enclosed is Special Nuclear Material License No. SNM-53, as renewed.

The authorized place of use of special nuclear material includes all facilities of the Martin Company which are a part of the Baltimore Division. As discussed in the telephone conversation on January 6, 1966, between your Mr. C. W. Keller and K. E. Lauterbach of this Branch, we understand that you did not intend to request authorization for any other locations for using licensed material.

From this discussion, we also understand that the film badges worn by personnel contain criticality foils which could be used to determine persons who may have received a high radiation exposure as a result of a nuclear incident.

Very truly yours,

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

Enclosure:
SNM-53, as renewed

A/210

OFFICE ▶	DML	DML:IFB	DML:CB	DML		
SURNAME ▶	<i>R.L.L.</i> KELauterbach:esc	CBeck	CLuke	<i>D.A.</i> DANussbaumer		
DATE ▶	1/6/66	<i>See attached</i>	<i>See attached</i>	<i>1/6/66</i>		

SPECIAL NUCLEAR
MATERIAL LICENSE

License Number SNM-53,
as renewed

Supplementary Sheet

- 13. Pursuant to 10 CFR 71, the licensee is authorized to ship uranium enriched in the U-235 isotope as metal, insoluble compounds, mixtures or alloys in accordance with the procedures referenced in Item 8, above, except that shipment of solutions and material which would produce an internal pressure on the inner container of greater than 150 psig at temperatures up to 800°C is not authorized.
- 14. With regard to the storage of fuel elements in the Critical Test Building as described in the procedures referenced in Item 8, above, the licensee is exempt from compliance with Section 70.24, 10 CFR 70, insofar as this section applies to activities authorized under this license.

K.S.L. 12/22/65
CB 12/22/65
J.M. 12/29/65
JN 1/6/66

COPY

For the U. S. Atomic Energy Commission

Date JAN 7 1966

by Donald A. Nussbaumer
Division of Materials Licensing
Washington, D. C. 20545

LICENSE CONDITIONS FOR
LEAK TESTING PLUTONIUM-BERYLLIUM
NEUTRON SOURCES

- A. Each Pu-Be neutron source shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, the sealed source shall not be put into use until tested.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of removable alpha contamination on the test sample. The test sample shall be taken from the neutron source or from appropriate accessible surfaces of the device in which the sealed source is permanently or semipermanently mounted or stored. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcuries or more of removable alpha contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated or to be returned to the manufacturer. A report shall be filed within five (5) days of the test with the Director, Division of State and Licensee Relations, U. S. Atomic Energy Commission, Washington, D.C. 20545, describing the equipment involved, the test results and the corrective action taken. A copy of such report shall be sent the Director of the nearest AEC Regional Compliance Office, listed in Appendix D of Title 10, Code of Federal Regulations, Part 20.

LICENSE CONDITIONS FOR COMMINGLING CONTROL OF SHIPMENTS OF
SPECIAL NUCLEAR MATERIALS IN QUANTITIES GREATER THAN THOSE
SPECIFIED IN APPENDIX A, 10 CFR 71

The licensee shall exercise commingling control by one of the following methods:

1. Exclusive use of the vehicle; or
2. Under escort by a courier assigned responsibility to assure that the shipment will not be commingled with other special nuclear material. The courier shall assure that the shipment is separated by at least 20 feet from other special nuclear material at points of loading, transshipment, storage and carriage; or
3. The licensee obtains a written certificate from the carrier which specifies that the special nuclear material will be transported in the same vehicle with no intermediate unloading or transshipment until final delivery to the consignee and that no cargo containing other special nuclear material will be transported in the same vehicle. The certificate shall specify also the name of the carrier, the consignee, the location of the consignee's facility at the destination, the mode of transport and the general route to be followed; or
4. Any other method specifically approved for each type shipment in advance by license amendment.