

DML:RDS

JAN 11 1967

70-58

SNM-53, Amendment No. 71-1

Martin Company
Baltimore, Maryland 21203

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

Your reference: ACC-516
CWK:845

Gentlemen:

Enclosed is Amendment No. 71-1 to Special Nuclear Material License No. SNM-53, authorizing the delivery of special nuclear material to a carrier for transport in the package designated as the Martin All Purpose container. Please note that this amendment does not authorize the transport of special nuclear material. Such transport is normally under the jurisdiction of the Interstate Commerce Commission. Inquiries regarding their requirements should be directed to the ICC.

In order to meet the requirement of Part 71 that a Fissile Class II package will not permit the entry of a four inch cube, Condition 6 states that special nuclear material shall be excluded, by means of non-compressible packing material, from that portion of the pipe which protrudes from the drum.

Your package analysis did not include an evaluation of the possible effects of the Hypothetical Accident Conditions Thermal Test on the contents of the package. Therefore, the contents of the package are limited to solids which will withstand the temperature of the Thermal test without pressure generating decomposition.

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Martin Company

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The limited exemption granted by Section 71.12, 10 CFR 71, as a result of filing your application within three months of the effective date of Part 71, expires upon issuance of this superseding license.

Very truly yours,

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

Enclosure:
SNM-53, Amendment No. 71-1

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UNITED STATES
ATOMIC ENERGY COMMISSION

LICENSE AMENDMENT
for
DELIVERY OF SPECIAL NUCLEAR MATERIAL
to a
CARRIER FOR TRANSPORT

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 70, and Part 71, the following amendment to the special nuclear material license identified below is hereby issued authorizing the licensee to deliver special nuclear material to a carrier for transport, and is subject to the conditions specified in that license and to the conditions specified below.

Licensee	
1. Name: Martin Company	3. License No. <u>SNM-53</u>
2. Address: Baltimore, Maryland 21203	Amendment No. <u>71-1</u>
	4. Docket No. <u>70-58</u>

CONDITIONS

5. (a) Packaging

(1) Model number

Martin All Purpose container

(2) Description

Four-inch I. D. Schedule 40 steel pipe, 38 to 42 inches long with 1/8 inch thick welded end plate and top screw cap, centered and welded in a 55 gallon steel tight head drum of minimum thickness of 18 gage. Container may be further reinforced in accordance with Figure 1, of licensee's application dated November 1, 1966.

(b) Contents

(1) Type and form of material

Solid forms of material containing uranium enriched in the U-235 isotope to any enrichment, provided the material will withstand a temperature of 800°C without pressure generating decomposition.

(2) Maximum quantity of material per package

5000 grams U-235 contained in a maximum load of 75 pounds.

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LICENSEE: Martin Company

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LICENSE NO: SNM-53

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(c) Fissile Class II

- (1) Minimum number of radiation units to be shown on labels for Class II 1.8 radiation units
- (2) Maximum number of packages per shipment for Class III N. A.

6. That portion of the 4-inch pipe which protrudes from the drum shall be filled with non-compressible packing so that special nuclear material is excluded.

REFERENCES

Application dated November 11, 1966, requesting approval to deliver special nuclear material to a carrier in the above container.

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FOR THE ATOMIC ENERGY COMMISSION

Date of Amendment JAN 11 1967

Donald A. Nussbaumer
 Division of Materials Licensing