

UNITED STATES
ATOMIC ENERGY COMMISSION
JUL 29 1968

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	3. License No. SNM- <u>928</u>
1. Name: Kerr-McGee Corporation	Amendment No. <u>71-10</u>
2. Address: Kerr-McGee Building Oklahoma City, Oklahoma 73102	4. Docket No. <u>70-925</u>

CONDITIONS

5. (a) Packaging

(1) Model number BE-586

(2) Description (See Page 2)

(b) Contents

(1) Type and form of material Uranium oxide, enriched to a maximum 5 w/o in the U-235 isotope, as high density pellets or dry bulk powder.

(2) Maximum quantity of material per package Three hundred (300) pounds uranium oxide, with a gross weight limit of 600 pounds for the containment vessel and its contents.

(c) Fissile Class

II and III

(1) Minimum number of radiation units to be shown on label for Class II 8.0 radiation units

(2) Maximum number of packages per shipment for Class III 11 packages

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5. (a)(2) Containment vessel consists of a 10-inch diameter Schedule 40 steel pipe, 56-inches long, with welded bottom plate, and bolted flange closure with leaktight gasket. Containment vessel is centered and supported in a steel angle cage, 36" x 36" x 62", covered with 16-gage sheet steel. Container constructed in accordance with Kerr-McGee Drawings NPD-241 and NPD-1-303, and subject to the following modification: When used for high density UO₂ pellets and the U-235 enrichment exceeds 3 w/o, the containment vessel shall be modified by inserting a 55-inch length of 8-inch diameter Schedule 20 steel pipe into the 10-inch diameter pipe.

REFERENCES

Application dated November 16, 1966, requesting approval to deliver special nuclear material to a carrier for transport in the above container.

Supplements dated July 21, 1967, January 31, and June 24, 1968.

*SNM
7-25-68
DW
7/29/68*

FOR THE ATOMIC ENERGY COMMISSION

Date of Amendment

JUL 29 1968

Donald A. Nussbaumer
Division of Materials Licensing

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