

AUG 5 1971

DML:GEM

70-925

SNM-928, Amendment No. 71-17

Kerr-McGee Corporation
ATTN: Mr. G. E. Wuller
Kerr-McGee Building
Oklahoma City, Oklahoma 73102

Gentlemen:

Enclosed is Amendment No. 71-17 to Special Nuclear Material License No. SNM-928 authorizing the delivery of special nuclear material to a carrier for transport in the Model KM-4 package.

Please note that this amendment does not authorize the transport of special nuclear material. Such transport is normally subject to regulation by the Department of Transportation (DOT). Questions regarding their requirements should be directed to DOT.

Sincerely,

Original Signed by
Leland C. Rouse

for
Donald A. Nussbaumer, Chief
Fuel Fabrication and
Transportation Branch
Division of Materials Licensing

Enclosure:
As stated

cc: Mr. Alfred W. Grella
Department of Transportation

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SURNAME ▶	MacDonald/vjh	JCDeLaney	RLStevenson	DANussbaumer		
DATE ▶	8/3/71	8/4/71	8/4/71	8/5/71		

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UNITED STATES
ATOMIC ENERGY COMMISSION

AUG 5 1971

LICENSE AMENDMENT
for
DELIVERY OF RADIOACTIVE MATERIAL
to a
CARRIER FOR TRANSPORT

Pursuant to the Atomic Energy Act of 1954 and Title 10, Chapter 1, Code of Federal Regulations, Part 30, "Rules of General Applicability to Licensing of Byproduct Material", Part 70, "Special Nuclear Material", as appropriate, and Part 71, "Packaging of Radioactive Material for Transport", the following amendment to the license identified below is hereby issued, authorizing the licensee to deliver radioactive 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: Kerr-McGee Corporation	3. License No. <u>SNM-928</u>
2. Address: Kerr-McGee Building Oklahoma City, Oklahoma 73102	Amendment No. <u>71-17</u>
	Docket No. <u>70-925</u>

CONDITIONS

4. (a) Packaging

(1) Model number

KM-4

(2) Description

A fuel element shipping container. The inner container is 7 13/16" X 6 3/4" X 51" long 12-gage steel vessel with a 1/4" thick steel bottom and 1/2" thick steel flange gasketed top closure. The inner container is centered and supported in a 22 1/2" ID X 62" high 16-gage steel drum by steel rods, vermiculite and wood supports. Container is constructed in accordance with HGS Technical Associates, Inc. Drawings Nos. DSD-444-D Rev. B, DSD-445-D, DSD-447-D Rev. B, DSD-446-C, DSD-448-B, DSD-450-D, and DSD-457-B.

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LICENSEE: Kerr-McGee Corporation

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LICENSE NO: SNM-928

AMENDMENT NO: 71-17

(b) (Contents)

- (1) Type and form of material

Uranium dioxide as clad MH-1A Type II fuel element of the following specifications:

Pellet diameter (Nom)	0.454"
Rod diameter (Nom)	0.506"
Fuel length (Nom)	36"
Rods/element (Max)	104
Cross section (Nom)	6.2" square
U-235/element (Max)	5.95 kgs
U-235 enrichment (Max)	7.2 w/o

- (2) Maximum quantity of material per package

One (1) MH-1A Type II fuel element containing not more than 5.95 kgs U-235.

(c) Fissile Class

II

- (1) Minimum transport index to be shown on label for Class II

0.1

5. No moderator shall be interspersed with the fissile material.
6. The package authorized by this amendment is hereby approved for use under the general license provisions of Paragraph 71.7(b) of 10 CFR Part 71.

REFERENCES

Licensee's application dated April 15, 1971, requesting approval to deliver special nuclear material to a carrier for transport in the KM-4 package.

Supplement dated July 27, 1971.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
Leland C. Rouse

Date of Amendment AUG 5 1971

for
Donald A. Nussbaumer
Division of Materials Licensing

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