

U.S. NUCLEAR REGULATORY COMMISSION
CERTIFICATE OF COMPLIANCE
For Radioactive Materials Packages

| 1.(a) Certificate Number | 1.(b) Revision No. | 1.(c) Package Identification No. | 1.(d) Pages No. | 1.(e) Total No. Pages |
|--------------------------|--------------------|----------------------------------|-----------------|-----------------------|
| 6347 | 2 | USA/6347/AF | 1 | 2 |

2. PREAMBLE

- 2.(a) This certificate is issued to satisfy Sections 173.393a, 173.394, 173.395, and 173.396 of the Department of Transportation Hazardous Materials Regulations (49 CFR 170-189 and 14 CFR 103) and Sections 146-19-10a and 146-19-100 of the Department of Transportation Dangerous Cargoes Regulations (46 CFR 146-149), as amended.
- 2.(b) The packaging and contents described in item 5 below, meets the safety standards set forth in Subpart C of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Materials for Transport and Transportation of Radioactive Material Under Certain Conditions."
- 2.(c) This certificate does not relieve the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be transported.

3. This certificate is issued on the basis of a safety analysis report of the package design or application-

3.(a) Prepared by (Name and address):

General Atomic Company
P.O. Box 81608
San Diego, CA 92136

3.(b) Title and identification of report or application:

Gulf Oil Corporation application dated
December 30, 1969, as supplemented.

3.(c) Docket No. 71-6347

4. CONDITIONS

This certificate is conditional upon the fulfilling of the requirements of Subpart D of 10 CFR 71, as applicable, and the conditions specified in item 5 below.

5. Description of Packaging and Authorized Contents, Model Number, Fissile Class, Other Conditions, and References:

(a) Packaging

(1) Model No.: FSV-3

(2) Description

Inner container is a 18.5" ID x 34" high, 18-gage steel drum. Inner container is centered and supported in a 22.5" ID x 38.25" high, 16-gage steel drum. Void spaces between the inner and outer container and within the inner container are filled with vermiculite. Total weight, including contents, is 500 pounds.

(3) Drawing

The packaging is constructed in accordance with General Atomic, Inc., Drawing No. FFE-613, Issue B.

8102100777

POOR ORIGINAL

5. (b) Contents

(1) Type and form of material

Fuel element consisting of a graphite body, hexagonal in transverse cross-section approximately 14.2" across the flats and 31.2" high. Disposed in columns within the fuel element body there is a maximum 1.41 kg U-235 plus U-238 and Th-232. The U-235: U-238: Th-232 shall be about 1:0.07:8.3. The atomic ratio of carbon to the U-235 is in the range of 1800 to 1.

(2) Maximum quantity of material per package

One fuel element containing not more than 1.41 kg U-235 and weighing not more than 320 pounds.

(c) Fissile Class II and III

(i) Minimum transport index to be shown on label for Class II 1.3

(2) Maximum number of packages per shipment as Class III 100

6. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12(b).

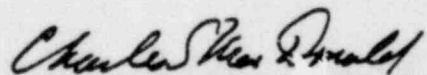
7. Expiration date: December 31, 1981.

REFERENCES

Gulf Oil Corporation application dated December 30, 1969.

Supplements dated: May 18, July 31, August 3, and September 18, 1970; and March 24, 1972.

FOR THE U. S. NUCLEAR REGULATORY COMMISSION


Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and
Material Safety

Date: FEB 03 1981