

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 |
|--------------------------|--------------------|----------------------------------|-----------------|-----------------------|
| 9057                     | 2                  | USA/9057/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 Energy & Environmental Systems application  
dated August 3, 1973.

3.(c) Docket No. 71-9057

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.: FPD-100

(2) Description

New, reconditioned or raw 55-gallon steel drum, free of observable defects, with minimum thickness 18-gage body sheet, 18-gage bottom head sheet and 18-gage removable head sheet with one or more corrugations in the cover near the periphery. The outer drum closure shall be accomplished by at least a 12-gage bolt-locking ring with drop-forged lugs, one of which is threaded to receive at least 5/8-inch diameter bolt and lock nut. Gross weight not to exceed 260 pounds.

(b) Contents

(1) Type and form of material

Solid uranium bearing materials. Uranium may be enriched to any degree in the U-235 isotope.

5. (b) Contents (continued)

(2) Maximum quantity of material per package

Total contents not to exceed 200 pounds, 350 grams  
U-235 and Type A quantities of radioactive materials.

(c) Fissile Class III

Maximum number of packages  
per shipment 50

6. Special nuclear material shall be contained in secondary plastic bottles or jars, metal cans or jars or heavy plastic bags securely tied closed within the steel drum. Metal secondary containers must be capable of venting to avoid rupture of the package in the event the package is exposed to the thermal test of Appendix B of 10 CFR Part 71.

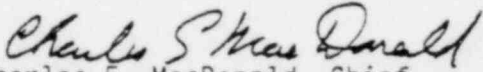
7. Fissile Class III shipments are restricted to shipments between the licensee's Sorrento Valley Fuel Manufacturing Facility and other on-site facilities.

8. Expiration date: October 31, 1985.

REFERENCE

Gulf Energy & Environmental Systems application dated August 3, 1973.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

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

Date: OCT 24 1980