

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 |
|--------------------------|--------------------|----------------------------------|-----------------|-----------------------|
| 6294 | 4 | USA/6294/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—

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| 3.(a) Prepared by (Name and address): Combustion Engineering, Inc. Route 21-A Hematite, MO 63047 | 3.(b) Title and identification of report or application: Combustion Engineering, Inc. application dated June 20, 1980. |
| 3.(c) Docket No. 71-6294 | |

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.: UNC-2901

(2) Description

A maximum 10.80-inch square by 30-inch long inner container constructed of minimum 14-gage steel, with bolted and gasketed top flange closure and sealed welded bottom sheet. Inner container is centered and supported in a 22.5-inch ID by 34-inch high 18-gage steel drum with 16-gage head and DOT Specification 17H closure by asbestos sheet, plywood, hardboard, and insulating material. Gross weight of package - 660 pounds.

(3) Drawings

The packaging is constructed in accordance with Combustion Engineering, Inc. Drawing No. D-5007-8086, Revision 3.

(b) Contents

(1) Type and form of material

Uranium dioxide as powder or sintered pellets. Uranium may be enriched to a maximum 4.1 w/o in the U-235 isotope. The maximum H/U atomic ratio, considering all sources of hydrogenous material within the inner container for powder or within the boundary of the pellet array for pellet packages, shall not exceed 4.5.

5. (b) Contents

(2) Maximum quantity of material per package

- (i) 427 pounds containing not more than 4.79 kgs U-235 as sintered pellets enriched to a maximum 3.75 w/o in the U-235 isotope, or 3.93 kgs U-235 as sintered pellets enriched to a maximum 4.1 w/o in the U-235 isotope. Pellets shall be packaged in accordance with Combustion Engineering, Inc. Drawing No. D-5008-8192, Rev. 5.
- (ii) 230 pounds containing not more than 3.60 kgs U-235 as powder or sintered pellets packaged in accordance with United Nuclear Corporation Drawing No. A-5007-2011.

(c) Fissile Class

II and III

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

2.0

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

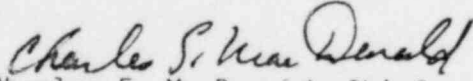
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- 6. Prior to each shipment the insert (containment vessel) gasket shall be inspected. This gasket shall be replaced if inspection shows any defects or every twelve (12) months, whichever occurs first.
- 7. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12(b).
- 8. Expiration date: July 31, 1985.

REFERENCE

Combustion Engineering, Inc., application dated June 20, 1980.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION


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

Date: JUL 15 1980