

CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIALS PACKAGES

U.S. NUCLEAR REGULATORY COMMISSION

1. a. CERTIFICATE NUMBER 9022	b. REVISION NUMBER 9	c. PACKAGE IDENTIFICATION NUMBER USA/9022/AF	d. PAGE NUMBER 1	e. TOTAL NUMBER PAGES 3
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2. PREAMBLE

- a. This certificate is issued to certify that the packaging and contents described in Item 5 below, meets the applicable safety standards set forth in Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Materials for Transport and Transportation of Radioactive Material Under Certain Conditions."
- b. 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

a. PREPARED BY (Name and Address).

b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION.

Combustion Engineering Co., Inc.
1000 Prospect Hill Road
Windsor, CT 06095

Combustion Engineering, Inc. application
dated January 11, 1980, as supplemented.

71-9022

c. DOCKET NUMBER

4. CONDITIONS

This certificate is conditional upon fulfilling the requirements of 10 CFR Part 71, as applicable, and the conditions specified below.

5.

(a) Packaging

(1) Model No.: CE-250-2

(2) Description

The packaging consists of a 16-gauge steel containment vessel, 11-5/8 inches ID by 57-1/4 inches long with a bolted and gasketed top flange closure and steel welded bottom plate. The containment vessel is centered and supported in a 22-1/2-inch ID by 68-3/8-inch long, 16-gauge steel drum by twelve (12), 1/4-inch diameter spring steel rods welded to the containment vessel at the top flange and the bottom of the vessel. The void space between the containment vessel and outer container is filled with vermiculite.

Closure of the containment vessel is maintained by a gasket (either silicone rubber or asbestos and rubber) and six (6), 1/2-inch hex head bolts and nuts. The outer container closure is made with a 12-gauge bolt locking ring with drop forged lugs, one of which is threaded, having a 5/8-inch diameter bolt and lock nut.

The gross weight of the packaging and contents is approximately 575 pounds.

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(3) Drawing

The packaging is constructed in accordance with Combustion Engineering Company, Inc. Drawing No. NFM-E-Z2175, Revision 00.

(b) Contents

(1) Type and form of material

Dry uranium oxide pellets and powder 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 containment vessel shall not exceed 2.26.

(2) Maximum quantity of material per package

The total contents not to exceed 300 pounds, with the U-235 content not to exceed 4.5 kilograms. The contents shall be contained within sealed steel containers with a maximum cross sectional area of 73.2 square inches.

(c) Fissile Class

II

Minimum transport index to be shown on label

0.6

6. The containment vessel closure gasket (Item No. 12, Drawing No. NFM-E-Z2175, Rev. 00) must be made of silicone rubber, or an Anchor Packing Company gasket "Target" or "425."
7. Spacers and product containers shall be used to provide a snug axial fit of the product containers within the containment vessel.
8. Attachment of handle (Item 18, Drawing No. NFM-EZ2175) to outer lid is not authorized.
9. Alternate closure system shown in Figure 1 of Exxon Nuclear Company, Inc. letter dated August 14, 1980 is authorized.
10. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12.
11. Expiration date: September 30, 1985.

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REFERENCES

Combustion Engineering, Inc. application dated January 11, 1980.

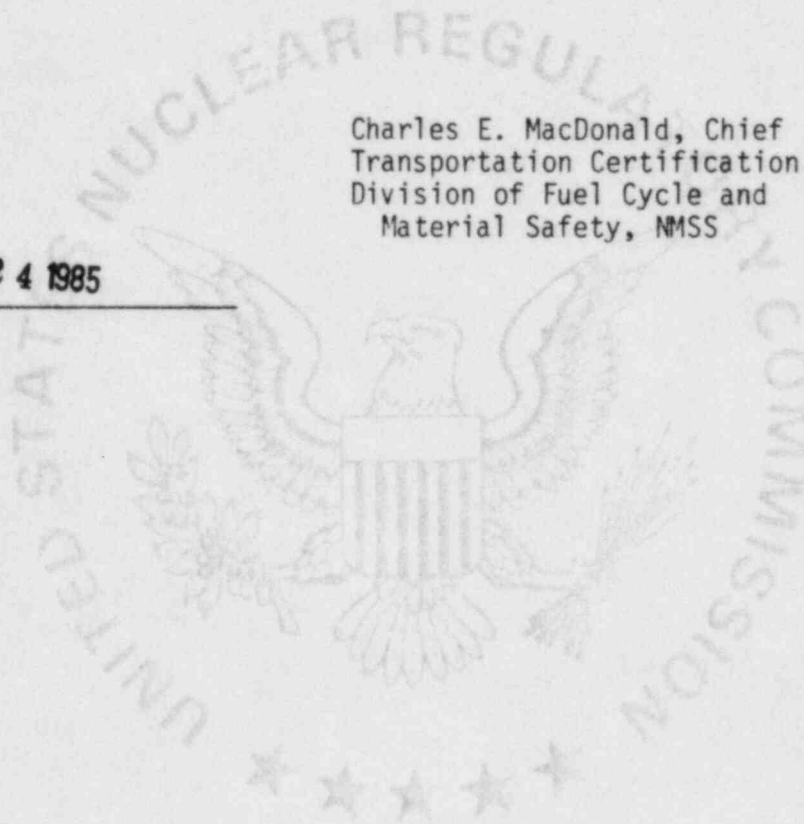
Supplement dated: June 6, 1980.

Exxon Nuclear Company supplement dated: May 13, 1981.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

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

Date: MAY 24 1985





UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Transportation Certification Branch

Approval Record

Model No. CE-250-2 Package

Docket No. 71-9022

By application dated May 20, 1985, Exxon Nuclear Company, Inc. has requested that the expiration date for Certificate of Compliance No. 9022 be extended from June 30, 1985 to September 30, 1985. This would allow time to permit the Combustion Engineering Company to request renewal of the package without interrupting foreign shipments in the package by Exxon Nuclear Company.

for *RH Odgaard*
Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and
Material Safety, NMSS

Date: MAY 24 1985