

**CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIAL PACKAGES**

1.	a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. DOCKET NUMBER	d. PACKAGE IDENTIFICATION NUMBER	PAGE	PAGES
	9798	0	71-9798	USA/9798/B(U)F-96	1 OF	2

2. PREAMBLE

- a. This certificate is issued to certify that the package (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 and Transportation of Radioactive Material."
- 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

- | | |
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| a. ISSUED TO (<i>Name and Address</i>)
U.S. Department of Energy
Division of Naval Reactors
Washington, DC 20585 | b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION
Safety Analysis Report for D2G Power Unit Shipping
Container dated September 22, 2020, as supplemented. |
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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.: D2G Power Unit Shipping Container
- (2) Description

The D2G Power Unit Shipping Container (PUSC) assembly consists of three main components: (1) the barrel assembly, (2) the upper cover, and (3) the lower cover. The PUSC is approximately 31 feet long and 10 feet-8 inches wide at widest point. The D2G PUSC weighs approximately 230,000 pounds when loaded with a D2W power unit.

The D2W power unit is retained in the PUSC by a shipping ring which clamps the closure head and core assembly to the upper ring of the PUSC barrel. Eight studs fasten the shipping ring to the barrel upper ring to secure the power unit. Control rod motion is restrained within the power unit by the control drive mechanisms.

- (3) Drawings

Packaging components are constructed in accordance with the drawings contained in safety analysis report Appendix A.1.3.3.

5.(b) Contents

- (1) Type and form of material

D2W power unit consisting of a core barrel, unirradiated fuel assemblies, closure head, mechanisms and associated hardware, with all design control rods and mechanisms installed) containing unirradiated uranium enriched in the U-235 isotope.

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5.(b) Contents (continued)

(2) Maximum quantity of material per package

One power unit as described in 5(b)(1).

(c) Transport Index for Criticality Control (Criticality Safety Index)

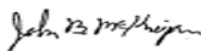
Minimum transport index to be shown
on label for nuclear criticality control: 100

6. Shipment of D2W power units in the D2G PUSC is limited to a lowest service temperature of 20°F. The package must not be shipped unless the forecast minimum temperature for the period of the shipment is greater than this lower service temperature.
7. The package shall be prepared for shipment and operated in accordance with the Operating Procedures in Chapter 7.0 of the application, and each packaging shall be tested and maintained in accordance with the Acceptance Tests and Maintenance Program in Chapter 8.0 of the application.
8. Air transport of a D2G PUSC loaded with fissile material is not authorized.
9. Expiration date: June 30, 2026.

REFERENCES

Department of Energy, Division of Naval Reactors, application dated September 17, 2020.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION



Signed by McKirgan, John
on 06/04/21

John B. McKirgan, Chief
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

Date: June 4, 2021

Certificate Of Compliance No. 9798, Revision No. 0, for the Model No. D2G Power Unit Shipping Container
Package DATE June 4, 2021

DISTRIBUTION:

DMarcano, NMSS/DFM

BWhite, NMSS/DFM/STLB

ADAMS Accession No.: ML21130A046; Ltr ML21130A048

*** via email**

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DATE	May 17, 2021	May 20, 2021	Jun 3, 2021	Jun 4, 2021
OFFICE	NMSS/DFM/MSB	NMSS/DFM/STLB		
NAME	JMarcano JM	JMcKirgan JM		
DATE	Jun 4, 2021	Jun 4, 2021		

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