



## U.S. DEPARTMENT *of* ENERGY

# Office of Environmental Management

## *DOE Packaging Certification Program*

### **Safety Evaluation Report for Simple Amendment of Certificate of Compliance No. 9516 for the Model 9516 Package**

**Docket No. 26-30-9516**

Prepared by: CHRISTOPHER CABLE Digitally signed by CHRISTOPHER CABLE  
Date: 2026.03.19 08:57:04 -04'00'

Christopher P. Cable  
Manager, DOE Packaging Certification Program  
Office of Packaging and Transportation

Approved by: JULIA SHENK Digitally signed by JULIA SHENK  
Date: 2026.03.24 12:08:16 -04'00'

Julia C. Shenk  
Headquarters Certifying Official  
Director  
Office of Packaging and Transportation

This Safety Evaluation Report (SER) documents the U.S. Department of Energy (DOE) Packaging Certification Program (PCP) independent technical review and confirmatory analysis of the application submitted for the DOE Idaho Operations Office (ID) for amendment and renewal of DOE Certificate of Compliance (CoC) Number 9516 for the Model 9516 package design. This package is needed to support the mission of the Idaho National Laboratory (INL), Space Nuclear Power & Isotope Technologies Division.

## EVALUATION

By memorandum <sup>[1]</sup> dated March 13, 2026, DOE-ID requested a simple amendment of DOE CoC No. 9516 Revision 14 to clarify the watts per item in Table 2 of the CoC. The watts per item for Shipping Configuration Numbers 1, 2, 3, 8, 13 and 14 are nominal values and for Shipping Configuration Numbers 4 through 7 and 9 through 12 are maximum values.

DOE PCP staff concurs this clarification is consistent with content descriptions per Section 1.2.2.1, *Content Shipping Configurations* of Safety Analysis Report for 9516 Package (SARP Revision 6 <sup>[2]</sup>) and is necessary to improve the accuracy of the CoC. The requested CoC changes do not affect the thermal limits for the applicable shipping configurations, thermal evaluation, or the ability of the package to meet the requirements of 10 CFR Part 71.

## CONDITIONS OF APPROVAL

The following changes to CoC Rev 14 are required to implement the changes evaluated in this SER.

- 5(b)(2) *Maximum Quantity of Material per Package*
  - Revise “C.” to “The maximum quantity of PuO<sub>2</sub> items or mass per package per item for each shipping configuration is listed below in Table 2 (ref. SARP Sections 1.2.2.1.1 through 1.2.2.1.14). The watts per item is the nominal value unless otherwise noted - administrative controls will be placed on loading arrangements to ensure the maximum package wattage for each configuration in Table 3 of the certificate is not exceeded.”
  - Revise Table 2 to add “(max)” for Shipping Configuration Numbers 4 through 7 and 9 through 12.
- 5(d) *Conditions*
  - Revise (10) to “Revisions 13 and 14 of this certificate may be used until October 31, 2026.”

## CONCLUSION

Based on the statements contained in the SARP, and the conditions listed above, DOE PCP staff concludes the changes indicated do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

## REFERENCES

- [1] *Department of Energy Certificate of Compliance Amendment Request (CLN260429)*, Memorandum, M. McAnulty to J. Shenk, March 13, 2026.

- [2] *Safety Analysis Report for Packaging (SARP) for the 9516 Package*, R1033-0062-ES, Rev. 6, June 2025.