



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

DOE Packaging Certification Program

Safety Evaluation Report for 9132 Package Certificate Renewal

Docket No. 23-40-9132

Prepared by:

**James M.
Shuler**

Digitally signed by James M.
Shuler
Date: 2023.11.16 08:24:41
-05'00'

Dr. James M. Shuler
Manager, DOE Packaging Certification Program
Office of Packaging and Transportation

Approved by:

JULIA SHENK

Digitally signed by JULIA
SHENK
Date: 2023.12.20 10:23:40
-05'00'

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

Evaluation

By email ^[1] dated September 26, 2023, the Richland Operations Office (RL) submitted a request to renew US Department of Energy (DOE) Certificate of Compliance (CoC) Number 9132, for Package Identification No. USA/9132/B(M)F (DOE).

RL did not request any changes to either the package design or the authorized contents since CoC 9132 Revision 16 was issued on October 4, 2018. Rev 16 is based on:

- 1) *Consolidated Safety Analysis Report for the T-3 Spent Fuel Shipping Cask*, WHC-1990, Revision 6; August 1990, as supplemented.
- 2) *Consolidated Safety Analysis Report for the T-3 Spent Fuel Shipping Cask*, WHC-1990, Revision 6a; page changes, October 2006
- 3) *Addendum to the Consolidated Safety Analysis Report for the T-3 Spent Fuel Shipping Cask Demonstrating Compliance to the Requirement of 10 CFR 71, Sodium-Bonded Fuel*, FFTF-30866, Revision 1, June 2007.
- 4) *Renewal Request*, email C. Arm to J. Lorence, dated September 11, 2018

DOE Packaging Certification Program (PCP) staff reviewed the above documents referenced in CoC Revision 16 and determined that the documentation was available and complete.

Based on the statements and representations in the renewal request and safety basis documents referenced in the CoC, and the conditions specified below in this SER for inclusion in the CoC, DOE PCP staff concludes that the package continues to meet the requirements of 10 CFR Part 71.

Conditions of Approval

The following changes to the CoC are required for renewal.

- Section 3(2) *Title and identification of report or application* – Revise to “Consolidated Safety Analysis Report for the T-3 Spent Fuel Shipping Cask, WHC-1990, Revision 6; as supplemented [see 5(e)].” (correction)
- Section 5(d) *Conditions*
 - (14) – Update the standard statement for DOE CoCs “Only DOE or persons working under contract to DOE shall consign the package for domestic transport.”
 - (15) – Update the standard statement for DOE CoCs “NRC or Agreement State licensees shall not consign a DOE certified package for domestic transport but can transfer the material on-site to DOE or persons working under contract to DOE, for consignment of the package”
- Section 5(e) *Supplements*:
 - (1) – Add “Consolidated Safety Analysis Report for the T-3 Spent Fuel Shipping Cask, WHC-1990, Revision 6a, page changes, October 2006.”
 - (4) – Add “Renewal Request, email G. Melo to J. Shenk, dated September 29, 2023.”

Conclusion

Based on the statements and representations in the renewal request and safety basis documents referenced in the CoC (Rev 16), and the conditions of approval specified in this SER for inclusion in the CoC, DOE PCP staff concludes that the package continues to meet the requirements of 10 CFR Part 71.

References

- [1] Email, *DOE CoC 9132, T-3 Spent Fuel Shipping Cask (USA/9132/B(M)F)*, Gabriel Melo to Julia Shenk, dated September 26, 2023, 3:12 PM.