

September 20, 2011

Mr. B. K. Miles  
Division of Naval Reactors  
U.S. Department of Energy  
Washington, DC 20585

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9793 FOR THE MODEL NO. M-140  
PACKAGE

Dear Mr. Miles:

As requested by your application dated July 27, 2011, enclosed is Certificate of Compliance No. 9793, Revision No. 14, for the Model No. M-140 package. This certificate supersedes, in its entirety, Certificate of Compliance No. 9793, Revision No. 13. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's Safety Evaluation Report is also enclosed.

The U.S. Department of Energy is the certificate holder for this package. This approval constitutes authority to use the package for shipment of radioactive material and for the package to be shipped in accordance with the provisions of 49 CFR 173.471.

If you have any questions regarding this certificate, please contact me or Kimberly Gambone of my staff at (301) 492-3297.

Sincerely,

**/RA/**

Michael D. Waters, Chief  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 71-9793  
TAC No. L24554

Enclosures: 1. Certificate of Compliance  
No. 9793, Rev. No. 14  
2. Safety Evaluation Report

cc w/encls: R. Boyle, Department of Transportation  
J. Shuler, Department of Energy

Mr. B. K. Miles  
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## SAFETY EVALUATION REPORT

Docket No. 71-9793

Model No. M-140 Package

Certificate of Compliance No. 9793

Revision No. 14

### **SUMMARY**

By application dated July 27, 2011, the U.S. Department of Energy (DOE), Department of Naval Reactors (NR) submitted a renewal request for Certificate of Compliance (CoC) No. 9793 for the Model No. M-140 package. The only technical change is the removal of D1G Core 2 from the list of authorized contents for the container. There are no operational or container modification changes. Minor changes were made to the certificate to reflect removal of D1G Core 2 fuel from the list of authorized contents for the container. The certificate has been renewed for a five-year term.

### **EVALUATION**

U.S. DOE, Department of Naval Reactors requested renewal of Certificate of Compliance No. 9793 for the Model No. M-140 shipping container by application dated July 27, 2011. Naval Reactors did not request any changes to the package design, however they have specified removal of D1G Core 2 from the list of authorized contents for the container. No changes to the current operating procedures, acceptance tests, or maintenance programs have been requested. The staff reviewed documents referenced in the certificate of compliance and determined that the required documentation was available and complete.

### **CONDITIONS**

The following conditions in CoC No. 9793, have been revised as follows:

Condition 5(b)1 was revised to delete D1G Core 2 spent fuel from the list of contents as requested by the applicant in renewal request letter dated July 27, 2011.

Condition (6) was deleted as D1G Core 2 spent fuel will no longer be considered.

Conditions 9 through 19 were renumbered.

Condition 17 was included in the Certificate of Compliance to clarify that the package is subject to the provisions of 10 CFR 71.19(c), which requires that all fabrication of this package must have been completed by December 31, 2006.

Condition 19 was revised to state an expiration date 5 years from date of license renewal.

## **CONCLUSION**

As requested by the application, dated July 27, 2011, CoC No. 9793 for the Model No. M-140 package has been renewed with conditions as stated above.

Based on the staff's review, the statements and representations in the application and for the reasons stated in this SER, and with the conditions listed above, staff concludes that these changes will not affect the ability of the package to meet the requirements of 10 CFR Part 71 for type B(U)F-85 packages.

Issued with Certificate of Compliance No. 9793, Revision No. 14, on Sept. 20, 2011 .