



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

September 7, 2016

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

**SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9793, REVISION NO. 17, FOR THE
MODEL NO. M-140 PACKAGE**

Dear Mr. Miles:

As requested by your application dated April 5, 2016, enclosed is Certificate of Compliance No. 9793, Revision No. 17, for the Model No. M-140 package. 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, Division of Naval Reactors, has been registered as a user of the package under the provisions of 49 CFR 173.471. The 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 Norma Garcia Santos of my staff at (301) 415-6999.

Sincerely,

/RA/

John McKirgan, Chief
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9793
CAC No. L25137

Enclosures: 1. Certificate of Compliance
No. 9793, Revision No. 17
2. Safety Evaluation Report

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

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Closes CAC No. L25137.

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ADAMS Package No.: ML16251A140 Ltr: ML16251A151 Enclosure 1: ML16251A164

OFC	DSFM	N		DSFM	E	DSFM	N
NAME	NGarcia Santos			SFigueroa		JMcKirgan	
DATE	9/1/2016			9/7/2016		9/7/16	

C=Without attachment/enclosure E=With attachment/enclosure N=No copy

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**SAFETY EVALUATION REPORT
Docket No. 71-9793
Model No. M-140 Package
Certificate of Compliance No. 9793
Revision No. 17**

EVALUATION

By letter dated April 5, 2016 (ADAMS Accession Number: ML16250A202), the U.S. Department of Energy, Division of Naval Reactors, (certificate holder) requested the renewal of Certificate of Compliance No. 9793 for the Model No. M-140 package. The certificate holder also requested removing the following from the certificate of compliance for the Model No. M-140:

- 1) Remove A1G fuel as part of the content of the package, since the applicant plans to submit another package design to ship A1G spent fuel.
- 2) Remove poison rods as an alternative of using control rods when shipping S3G-3 spent fuel. In its April 5, 2016, letter, the applicant stated the following:

“All remaining rodded S3G-3 fuel modules will be shipped with control rods.”

The applicant did not request any changes to the package design, operating procedures, acceptance tests, or maintenance program of the package. Renewal and proposed changes to the certificate do not affect the ability of the package to meet the requirements of 10 CFR Part 71. The certificate has been renewed for an additional five years.

CONDITIONS

The following changes have been made to the Certificate:

Condition Nos. 5.(b)(1)(iv), 5.(b)(2)(iv), and 9 were deleted, since these conditions included information about A1G spent fuel.

Condition No. 5.(b)(2)(c) was revised to remove the criticality safety index for the A1G spent fuel.

Condition No. 6.(d) was revised to remove the following sentence related to the use of the poison shipping rod with the S3G-3 spent fuel:

“Module grapple adapters serve as poison shipping rod holddown devices for refueling shipments.”

The expiration date of the certificate (Condition No. 18) was changed to September 30, 2021.

Condition Nos. were renumbered as follows:

CoC, Revision 16 – Condition No(s).	CoC, Revision 17 – Condition No(s).
5.(b)(1)(v)	5.(b)(1)(v)
5.(b)(1)(vi)	5.(b)(1)(v)
5.(b)(2)(v)	5.(b)(2)(iv)
5.(b)(2)(vi)	5.(b)(2)(v)
10, 11, 12, 13, 14, 15, 16, 17, 18, and 19	9, 10, 11, 12, 13, 14, 15, 16, 17, and 18

The “REFERENCES” section was revised to include the date of the letter requesting the renewal of the package.

CONCLUSION

The certificate has been renewed for a five year term. These changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9793, Revision No. 17,
on 9/7/16.