

May 29, 2012

Dr. James M. Shuler
Manager, DOE Packaging Certification Program
U.S. Department of Energy
Office of Packaging and Transportation
EM-63, CLV-2047
1000 Independence Avenue, S.W.
Washington, DC 20585

SUBJECT: REVISION NO. 11 OF CERTIFICATE OF COMPLIANCE NO. 9315 FOR THE
MODEL NO. ES-3100

Dear Dr. Shuler:

As requested by your letter dated May 14, 2012, enclosed is Certificate of Compliance No. 9315, Revision No. 11, for the Model No. ES-3100 package. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's Safety Evaluation Report is also enclosed.

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 Pierre Saverot of my staff at (301) 492-3408.

Sincerely,

/RA/

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

Docket No. 71-9315
TAC No. L24647

Enclosures: 1. Certificate of Compliance
No. 9315, Rev. No. 11
2. Safety Evaluation Report

cc w/encls 1&2: R. Boyle, Department of Transportation
Registered Users

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ADAMS P8 Package No.: ML12151A008 ADAMS P8 Memo No.: ML12151A011

OFC:	SFST	E	SFST		SFST	
NAME:	PSaverot		MDeBose		MWaters	
DATE:	05/16/2012		5/22/12		5/29/12	

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SAFETY EVALUATION REPORT

Docket No. 71-9315
Model No. ES-3100 Package
Certificate of Compliance No. 9315
Revision No. 11

SUMMARY

By application dated May 14, 2012, the Department of Energy (DOE or the applicant) requested an administrative correction of the Certificate of Compliance (CoC) No. 9315 for the Model No. ES-3100 package. The CoC has been amended. The staff agrees that the change does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

EVALUATION

On September 20, 2011, staff issued a letter amendment (ADAMS Accession No.: ML112630590) amending the wording of the first sentence of paragraph 3 of Condition No. 5(b)(1) of Certificate of Compliance (CoC) No. 9315. The letter was issued because reference to Drawing No. M2E801580A043 was inadvertently left out of the referenced paragraph in Revision No. 10 of the CoC. The September 20, 2011, letter amendment was set to expire on May 31, 2012.

Condition No. 5.(b)(1) discusses the use of spacer cans. Carbon steel spacers must be in accordance with Drawing No. M2E801580A026. However, in the CoC, Revision No. 10, a second type of spacer can was added, one fabricated of stainless steel per Drawing No. M2E801580A043. This drawing reference was added to Condition No. 5(a)(3), discussed in Section No. 1.2 of the Safety Evaluation Report (SER), but the drawing reference was inadvertently omitted from Condition No. 5(b)(1). The staff had previously evaluated the proposed modification to the certificate, and determined that the addition of the new spacer can does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

CONDITIONS

Condition No. 5(b)(1) now reads: For contents that must be shipped with spacers, the spacers must be in accordance with BWXT Y-12, L.L.C., Drawing Nos. M2E801580A026 or M2E801580A043, and Equipment Specification JS-YMN3-801580-A005, as specified in Condition No. 5.(a)(3).

Condition No. 15 on the use of Revision No. 10 of the CoC was removed.

Condition No. 16 on the expiration date of the certificate was renumbered Condition No. 15.

All other conditions of CoC No. 9315 shall remain the same.

CONCLUSION

Based on the statements and representations in the application, as supplemented, and the conditions listed above, the staff concludes that the Model No. ES-3100 package design has been adequately described and evaluated and that 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. 9315, Revision No. 11,
on May 29, 2012.