

August 28, 2009

Mr. Scott P. Murray, Manager  
Licensing & Liabilities  
Global Nuclear Fuel – Americas, LLC  
Mail Code K-84  
3901 Castle Hayne Road  
Wilmington, NC 28401

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9309 FOR THE MODEL NO. RAJ-II  
PACKAGE (TAC NO. L24369)

Dear Mr. Murray:

As requested by your application dated August 24, 2009, enclosed is Certificate of Compliance No. 9309, Revision No. 9, for the Model No. RAJ-II package. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's Safety Evaluation Report is also enclosed.

Global Nuclear Fuel – Americas, LLC, has been registered as a user of the package under the general license provisions of 10 CFR 71.17. Those on the attached list have been registered as users of the package under the general license provisions of 10 CFR 71.17 or 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, you may contact me or Michele Sampson of my staff at 301-492-3300.

Sincerely,

**/RA/**

Eric Benner, Chief  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 71-9309  
TAC No. L24369

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Docket No. 71-9309  
TAC No. L24369

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## SAFETY EVALUATION REPORT

Docket No. 71-9309  
Model No. RAJ-II Package  
Certificate of Compliance No. 9309  
Revision No. 9

### SUMMARY

By application dated August 24, 2009, Global Nuclear Fuel – Americas, LLC (GNF-A), requested an amendment to Certificate of Compliance (CoC) No. 9309, for the Model No. RAJ-II package. GNF-A identified non-critical dimensional errors in the currently approved drawings. This application provides revised drawings to correct the errors to reflect the as-built condition of the packagings. Based on the statements and representations in the application, the staff agrees that these changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

### EVALUATION

By application dated August 24, 2009, GNF-A provided revised drawings to correct non-critical dimensional errors in the currently approved drawings. Specific changes to the drawings include:

- Drawing No. 105E3738, Sheet 1  
No change to the drawing, however, the revision number was changed to Rev. 8
- Drawing No. 105E3738, Sheet 2  
The dimensions for the inner container Delrin guide were changed from 359 mm to 306 mm, and 284 mm to 283 mm, shown in Zones G5 and H5. The revision number was changed to Rev. 8. The basis for this change was to correctly match the dimensions of the Delrin guide (Item 30) in Zone F7, and reflect the as-built condition of the packagings currently in service.
- Drawing No. 105E3743  
The dimensions to the hole location on the end of the lid were changed from 255 mm to 225 mm, shown in Zone H2. The revision number was changed to Rev. 5. This change was required to match the fabrication drawings, and show appropriate dimensions for the lid to align with the outer container base, reflecting the as-built configuration of the packagings currently in service.
- Drawing No. 105E3744  
The spacing distance for the lid-lifting sling was corrected from 1550 mm to 1507 mm, in Zones I6 and I11. The revision number was changed to Rev. 6. This change corrected the dimension to match the fabrication drawings, and reflect the as-built condition of the packagings currently in service.

These minor changes to the drawings do not affect any critical dimensions, and will not impact the performance of the package design.

Because of the errors in the drawings referenced in CoC No. 9309, Rev. 8, this Certificate supersedes Rev. 8 in its entirety. However, staff recognizes the need for an orderly transition period between revisions of the CoC. As a result, staff has conditioned the Certificate to allow continued use of CoC 9309, Rev. 7, with reference to the revised drawings, for the same period of time as previously allowed under Rev. 8.

### **CONDITIONS**

The following changes have been made to the Certificate:

Condition No. 5(a)(3) Drawings, has been updated to reference the corrected drawings.

Condition No. 11, which authorized use of Revision 7 of the Certificate of Compliance until August 31, 2010, was revised by the addition of a reference to the corrected drawings.

### **CONCLUSION**

The Certificate has been revised to reference the revised drawings. 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. 9309, Revision No. 9,  
on August 28, 2009.