

February 28, 2012

Mr. Phil Noss  
Licensing Manager  
AREVA Federal Services LLC  
505 South 336<sup>th</sup> Street, Suite 400  
Federal Way, WA 98003

SUBJECT: REVISION NO. 4 OF CERTIFICATE OF COMPLIANCE NO. 9305 FOR THE  
MODEL NO. TRUPACT-III PACKAGE (TAC NO. L24622)

Dear Mr. Noss:

As requested by your application dated February 9, 2012, and as supplemented February 17, 2012, enclosed is Certificate of Compliance No. 9305, Revision No. 4, for the Model No. TRUPACT-III 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.

Registered users of the package under the general license provisions of 10 CFR 71.17 or 49 CFR 173.471 have been provided a copy of this certificate.

If you have any questions regarding this certificate, you may contact me or Huda Akhavannik of my staff at 301-492-3273.

Sincerely,

**/RA/**

Christine Lipa, Acting Chief  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 71-9305  
TAC No. L24622

Enclosures: 1. Certificate of Compliance  
No. 9305, Rev. No. 4  
2. Safety Evaluation Report

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

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DISTRIBUTION: CLOSSES TAC NO. L24622

B. Benney, C. Morrell, D. Weaver, M. Waters, SFST r/f ADAMS P8 Package No.: ML12060A140

OFC	SFST	SFST	SFST	SFST	SFST	SFST	SFST
NAME	HAkhavannik	DTarantino	JChang	MDeBose	DPstrak	MSampson	CLipa
DATE	2/17/12	2/27/12	2/22/12	2/22/12	2/28/12	2/22/12	2/28/12

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ADAMS Package No.:

C = COVER

E = COVER & ENCLOSURE

N = NO COPY

OFFICIAL RECORD COPY

SAFETY EVALUATION REPORT  
Docket No. 71-9305  
Model No. TRUPACT-III  
Certificate of Compliance No. 9305  
Revision No. 4

## **SUMMARY**

By application dated February 9, 2012, and as supplemented February 17, 2012, AREVA Federal Services LLC (AFS) requested a revision to Certificate of Compliance No. 9305, for the Model No. TRUPACT-III package. This revision requested the use of ultrasonic examination (UT) with liquid penetrant examination when radiographic examination (RT) could not be performed and also clarified drawing dimensions resulting from manufacturing dovetail o-ring grooves for o-ring seals. The remaining sections (e.g., thermal, structural, shielding, and criticality) were not affected by this revision. 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**

### **GENERAL INFORMATION**

AFS revised the TRUPACT-III Drawing – 51199-SAR, sheet 2 to update general note 48 to permit the use of UT and single pass liquid penetrant examination for welds where RT could not be performed. This will be done per Subsection NB-5000 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code.

Additionally, AFS revised the TRUPACT-III Drawing – 51199-SAR, sheet 2 to add note 50 which limits the radius of the access notch created by the semicircular tool used to fabricate a dovetail groove. All dovetailed grooves will reference note 50, the maximum radius limitations are specified on Drawing – 51199-SAR, sheet 13, and the locations of notches C2 and C3 are specified on Drawing – 51199-SAR, sheet 15. Changes made to this drawing are for clarification of the machine tool access and the containment capabilities of the package are unchanged as the package is required to remain leak-tight.

Additionally, minor text revisions were made to support these changes in the SAR, chapters two and eight. These modifications provide manufacturing flexibility to the package and do not impact the performance of the package design.

### **CONDITIONS**

The following changes have been made to the Certificate of Compliance:

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

The References section has been updated to include this revision request.

## **CONCLUSION**

The Certificate of Compliance has been revised to reference the revised drawings. Based on the statements and representations contained in the application, the staff concludes 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. 9305, Revision No. 4,  
on February 28, 2012.