



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

April 30, 2014

Mr. R. E. Link  
AREVA Inc.  
2101 Horn Rapids Road  
Richland, WA 99354

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9372, REVISION NO. 0, FOR THE  
MODEL NO. TN-B1 TRANSPORTATION PACKAGE

Dear Mr. Link:

As requested by your application dated January 29, 2014, as supplemented April 7, 2014, enclosed is Certificate of Compliance No. 9372, Revision No. 0, for the Model No. TN-B1 transportation package. The staff's safety evaluation report is also enclosed.

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 Title 49 of the *Code of Federal Regulations* (49 CFR) 173.471.

If you have any questions regarding this certificate, please contact me or Huda Akhavannik of my staff at (301) 287-9241.

Sincerely,

**/RA/**

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

Docket No. 71-9372  
TAC No. L24881

Enclosures: 1. Certificate of Compliance  
No. 9372, Rev. No. 0  
2. Safety Evaluation Report

cc w/encls: R. Boyle, Department of Transportation  
J. Shuler, Department of Energy, c/o L. F. Gelder



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**SAFETY EVALUATION REPORT**  
**Docket No. 71-9372**  
**Model No. TN-B1 Transportation Package**  
**Certificate of Compliance No. 9372**  
**Revision No. 0**

## **SUMMARY**

By letter dated January 29, 2014, as supplemented April 7, 2014, AREVA Inc. (AREVA), requested that Certificate of Compliance (CoC) No. 9372, Rev. 0, be issued for the Model No. TN-B1 transportation package. The Model No. TN-B1 package is for the transport of unirradiated fuel rods and fuel assemblies and is based on the design of the Model No. RAJ-II, CoC No. 9309, Rev. 9. AREVA provided a consolidated application which staff compared to the consolidated application provided as part of Rev. 9 of the Model No. RAJ-II CoC approval. Staff reviewed the application, compared it to that of the Rev. 9 CoC for the RAJ-II, and concludes that besides minor editorial differences provided for clarification, the two applications are exactly the same. Based on the statements and representation in the application, as supplemented, and the conditions listed below, the staff concludes that the package meets the requirements of 10 CFR Part 71 and is described in sufficient detail to provide an adequate basis for its evaluation

## **EVALUATION**

By letter dated January 29, 2014, as supplemented April 7, 2014, AREVA, requested that CoC No. 9372, Rev. 0, be issued for the Model No. TN-B1 transportation package. The Model No. TN-B1 package is for the transport of unirradiated fuel rods and fuel assemblies and is based on the design of the Model No. RAJ-II, CoC No. 9309, Rev. 9. AREVA provided a consolidated application that staff compared to the consolidated application provided as part of Revision 9 of the Model No. RAJ-II CoC approval.

Staff reviewed each of the sections in the application and compared it to that of the Rev. 9 CoC for the RAJ-II. Changes to the SAR include clarifying the role of the RAJ-II Japanese certification test units in relation to the TN-B1. Additionally, the operating procedures for the RAJ-II required inspection of the first 10 production units. The TN-B1 operating procedures add text to clarify that this requirement has already been completed as part of the RAJ-II. Staff concludes that besides these differences and other minor editorial differences (e.g., replace "RAJ-II" with "TN-B1"), the two applications are exactly the same. As the application has already been approved as part of the RAJ-II technical review, staff concludes that the same safety evaluation findings can be made for the TN-B1.

Based on the statements and representation in the application, as supplemented, and the conditions listed below, the staff concludes that the package meets the requirements of 10 CFR Part 71 and is described in sufficient detail to provide an adequate basis for its evaluation

## **CONDITIONS**

The CoC for the TN-B1 is almost identical to that of the RAJ-II except for replacing references to the RAJ-II with the TN-B1 and minor changes in drawing names.

## **CONCLUSION**

Based on the statements and representations contained in the application, as supplemented, and the conditions listed above, the staff concludes that the design has been adequately described and evaluated, and the Model No. TN-B1 transportation package meets the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9372, Revision No. 0, on April 30, 2014.

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J. Shuler, Department of Energy, c/o L. F. Gelder

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**ADAMS P8 Package No.: ML14120A356 Letter No.: ML14120A367**

<b>OFC:</b>	NMSS/SFST	NMSS/SFST	NMSS/SFST	NMSS/SFST	NMSS/SFST	NMSS/SFST
<b>NAME:</b>	HAkhavannik	MDeBose	HLindsay	BTripathi	RTorres	ABarto
<b>DATE:</b>	4/15/14	4/16/14	4/16/14	4/16/14	4/16/14	4/16/14
<b>OFC:</b>	NMSS/SFST	NMSS/SFST	NMSS/SFST	NMSS/SFST	NMSS/SFST	
<b>NAME:</b>	CMorell	MRahimi	ACsontos	CAraguas	MSampson	
<b>DATE:</b>	4/15/14	4/26/14	4/21/14	4/28/14	4/30/14	

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