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

April 3, 2012

Mr. Philip W. Noss
AREVA Federal Services LLC
505 S. 336th Street, Suite 400
Federal Way, WA 98003

SUBJECT: REVISION NO. 5 OF CERTIFICATE OF COMPLIANCE NO. 9328 FOR THE MODEL NO. TN-55 PACKAGE

Dear Mr. Noss:

As requested by your application dated March 5, 2012, enclosed is Certificate of Compliance No. 9328, Revision No. 5, for the Model No. TN-55 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, please contact Jennie Rankin at (301) 492-3268.

Sincerely,

Christine A. Lipa

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

Docket No. 71-9328
TAC No. L24630

Enclosures:
1. Certificate of Compliance No. 9328, Rev. No. 5
2. Safety Evaluation Report

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

NRC FORM 618
(8-2000)
10 CFR 71

U.S. NUCLEAR REGULATORY COMMISSION

CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIAL PACKAGES

1. a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. DOCKET NUMBER	d. PACKAGE IDENTIFICATION NUMBER	PAGE		PAGES
9328	5	71-9328	USA/9328/AF-96	1	OF	3

2. PREAMBLE

a. This certificate is issued to certify that the package (packaging and contents) described in Item 5 below meets the applicable safety standards set forth in Title 10, Code of Federal Regulations, Part 71, "Packaging and Transportation of Radioactive Material."

b. This certificate does not relieve the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be

3. THIS CERTIFICATE IS ISSUED ON THE BASIS OF A SAFETY ANALYSIS REPORT OF THE PACKAGE DESIGN OR APPLICATION

a. ISSUED TO *(Name and Address)*

AREVA Federal Services LLC
505 S. 336th Street, Suite 400
Federal Way, WA 98003

b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION

Packaging Technology, Inc., application dated August 28, 2006, as supplemented.

4. CONDITIONS

This certificate is conditional upon fulfilling the requirements of 10 CFR Part 71, as applicable, and the conditions specified below.

5.

a. Packaging

(1) Model No.: TN-55

(2) Description

The Model No. TN-55 packaging is designed to transport unirradiated uranium oxide powder. The packaging consists of a 55-gallon drum within an overpack. The unirradiated uranium oxide powder is transported inside the drum. The 55-gallon drum is a DOT specification 7A Type A drum with a reinforced closure system and ceramic gasket. The overpack for the drum has an outer surface of nominal 18-gauge galvanized carbon steel, and a reinforced fiberglass liner. The void space between the liner and outer surface is filled with a polyurethane foam. Forklift pockets, made of 12-gauge galvanized carbon steel, are located on the bottom of the overpack. The nominal outside dimensions of the overpack are 32 inch diameter and 51-5/8 inch height. The maximum gross weight of the package is 1,010 pounds.

(3) Drawing

The packaging shall be constructed and assembled in accordance with AREVA Drawing No. 60699-SAR, Revision No. 1, sheets 1 through 4.

b. Contents (continued)

(1) Type and Form of Material

Unirradiated uranium oxide powder with a maximum moisture content of 2 percent. The maximum enrichment is 1.2 weight percent U-235. The content may be packaged in plastic packaging or with other plastic material within the 55-gallon drum, provided the total plastic per drum does not exceed 1,307 grams water-hydrogen equivalent or (1,000 grams of polyethylene). Materials with a hydrogen density greater than water are not authorized, with the exception of polyethylene.

(2) Maximum Quantity of Material per Package

Up to 650 pounds (295 kilograms) of unirradiated uranium oxide powder per package.

c. Criticality Safety Index: 1.7

6. Transport by air is not authorized.

7. In addition to the requirements of Subpart G of 10 CFR Part 71:

a. Each package shall be prepared for shipment and operated in accordance with the "Package Operations," in Chapter 7 of the application.

b. Each packaging shall be tested and maintained in accordance with the "Acceptance Tests and Maintenance Program," in Chapter 8 of the application.

8. The package authorized by this certificate is hereby approved for use under general license provisions of 10 CFR 71.17.

9. Revision No. 4 of this certificate may be used until April 30, 2013.

10. Expiration date: April 30, 2017.

REFERENCES

Packaging Technology, Inc., application dated August 28, 2006.

Supplement dated: January 31, 2007, November 26, 2007, October 31, 2011, and March 5, 2012.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Christine A. Lipa

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

Date: April 3, 2012

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

SAFETY EVALUATION REPORT
Docket No. 71-9328
Model No. TN-55 Package
Certificate of Compliance No. 9328
Revision No. 5

SUMMARY

By application dated March 5, 2012, AREVA Federal Services LLC (AREVA), requested renewal of Certificate of Compliance No. 9328 for the Model No. TN-55 package. AREVA did not request any design changes to the package. The certificate has been renewed for a five year term.

EVALUATION

AREVA requested renewal of Certificate of Compliance No. 9328 for the Model No. TN-55 shipping package by application dated March 5, 2012. AREVA did not request any changes to the package design or authorized contents. Also, AREVA did not request any changes to the current operating procedures, acceptance tests, and maintenance programs.

The staff reviewed the documents referenced in the certificate and determined that the required documentation was available and complete.

The following changes have been made to the Certificate:

Condition No. 5(a)(2) revised to add "unirradiated" to the description of uranium oxide powder for consistency.

Condition No. 5(a)(3) revised to capitalize AREVA for consistency.

Condition No. 5(b)(1) revised to capitalize U-235 for consistency.

Condition No. 9 was revised to authorize the use of the previous revision of the certificate for a period of approximately one year.

Condition No. 10 was revised to reflect the new expiration date, April 30, 2017, of the certificate.

The References section was revised to include the AREVA Federal Services LLC, March 5, 2012, request for renewal.

CONCLUSION

The certificate has been renewed for a five-year term that expires on April 30, 2017. This change does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9328, Revision No. 5,
on April 3, 2012.