

**CERTIFICATE OF COMPLIANCE  
FOR RADIOACTIVE MATERIAL PACKAGES**

1	a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. DOCKET NUMBER	d. PACKAGE IDENTIFICATION NUMBER	PAGE	PAGES
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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."  
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 transported.
- b. other applicable regulatory agencies, including the government of any country through or into which the package will be transported.

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*)  
Source Production  
and Equipment Company, Inc.  
113 Teal Street  
St. Rose, LA 70087-9691
- b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION  
Source Production and Equipment Company, Inc.  
application dated June 28, 1999, 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.: SPEC-300
- (2) Description

The SPEC-300 is a radiographic device that consists of a source assembly, a depleted uranium shield, and a stainless steel enclosure. The radioactive source assembly is housed in a zircaloy or titanium "S" tube that is surrounded by the depleted uranium shield. The depleted uranium shield is secured in the stainless steel enclosure. The void space between the depleted uranium shield and the enclosure is filled with high density polyurethane foam. The package is approximately 26 inches long, 14 inches wide, and 15 inches high. The maximum gross weight of the package is 780 pounds.

(3) Drawings

The packaging is constructed and assembled in accordance with Source Production and Equipment Co., Inc. General Arrangement drawings: 19B000 sheets 1-8, Rev. 4 and B190700 sheet 1, Rev. 3.

(b) Contents

- (1) Type and form of material

Cobalt-60 sources which meet the requirements of special form radioactive material.

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5.(b) Contents (continued)

(2) Maximum quantity of material per package

11.1 TBq (300 Ci) (output)

Output curies are determined in accordance with American National Standard N432-1980, "Radiological Safety for the Design and Construction of Apparatus for Gamma Radiography."

6. The source shall be secured in the shielded position of the packaging by the source assembly lock, lock cap and safety plug assembly. The safety plug assembly, lock cap and source assembly must be fabricated of materials capable of resisting a 1475 F fire environment for one-half hour and maintaining their positioning function. The locking ball of the source assembly must engage the locking device. The flexible cable of the source assembly and safety plug assembly must be of sufficient length and diameter to provide positive positioning of the source in the shielded position.
7. The name plate must be fabricated of materials capable of resisting the fire test of 10 CFR Part 71 and maintaining its legibility.
8. In addition to the requirements of Subpart G of 10 CFR Part 71:
  - (a) The package shall be prepared for shipment in accordance with the Operating Procedures in Chapter 7.0 of the application, as supplemented; and
  - (b) The package must meet the Acceptance Test and Maintenance Program of Chapter 8.0 of the application, as supplemented.
9. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR 71.17.
10. Expiration date: April 30, 2015.

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REFERENCES

Source Production and Equipment Company, Inc., application dated June 28, 1999.

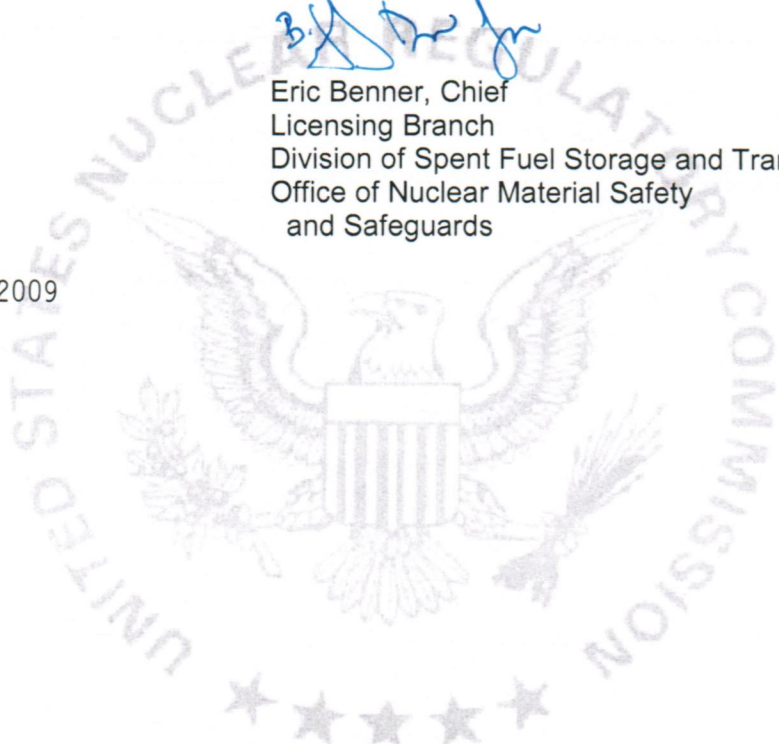
Supplements dated: October 6, November 4, November 22, and December 15, 1999; February 29 and March 27, 2000; March 14, 2005; and October 28, 2009.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION



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

Date: November 20, 2009





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

SAFETY EVALUATION REPORT

Docket No. 71-9282  
Model No. SPEC-300 Package  
Certificate of Compliance No. 9282  
Revision No. 2

**SUMMARY**

By application dated October 28, 2009, Source Production & Equipment Co., Inc., requested renewal of Certificate of Compliance No. 9282, for the Model No. SPEC-300 package. Source Production & Equipment Co., Inc., did not request any changes to the package design or authorized contents. The certificate has been renewed for a five year term.

**EVALUATION**

By application dated October 28, 2009, Source Production & Equipment Co., Inc., requested renewal of Certificate of Compliance No. 9282, for the Model No. SPEC-300 package. Source Production & Equipment Co., Inc., did not request any changes to the package design or authorized contents. The staff reviewed the documents referenced in the certificate and determined that the documentation was available and complete. The staff also reviewed the operating and maintenance procedures for the package and found them to be adequate.

The following changes have been made to the Certificate:

Condition No. 5(b)(2) was amended to show the maximum activity in Terabecquerels, with the customary units, Curies, continuing to be shown in parenthesis following the SI units.

Previous Condition No. 9 of the certificate, which provided provisions for marking the package by April 30, 2006, was deleted since the transitional date has passed.

Condition No. 10 was changed to reflect the new expiration date, April 30, 2015.

As a consequence of the deletion of previous Condition No. 9, the previous Condition Nos. 10 - 11 were renumbered 9 - 10, respectively.

**CONCLUSION**

The certificate has been renewed for a five year term that expires on April 30, 2015. 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. 9282, Revision No. 2, on  
November 20, 2009.