

May 6, 1999

Mr. Cass R. Chappell Licensing Section, Mail Stop 06F18 Spent Fuel Project Office U.S. Nuclear Regulatory Commission One White Flint North 11155 Rockville Pike Rockville, MD 20852

Subject: Docket 71-9263

Supplement No. 1 to Certificate of Compliance Consolidated Application Model SPEC-150, Type B(U) Transportation Package Package Identification Number USA/9263/B(U)

Dear Mr. Chappell:

In response to telephone communications with Mr. Tim McGinty on May 6, 1999, the enclosed Supplement No. 1, dated May 7, 1999 for the consolidated revision application, dated April 22, 1999, is hereby submitted for Certificate of Compliance No. 9263 for the model SPEC-150, Type B(U) transportation package. The purpose of Supplement No. 1 is to provide additional dimensional data to the depleted uranium shield drawing, and to remove the "Proprietary Notice" statement that was inadvertently included on all four drawings. Details of the revisions to the drawings are as follows:

- Drawing No. 15B000, Rev (5), titled "SPEC-150 Type B(U) Package, Isometric View" and Drawing No. 15B002A, Rev (4), titled "SPEC-150 Exposure Device, Full Sectional View" and Drawing No. 15B001-3, Rev (1), titled "SPEC-150 Type B(U) Package, Parts List" were revised solely to delete the "Proprietary Notice" statement from each. The statement was inadvertently included on the original drawings. We do not seek proprietary status for this information. The NRC is authorization to distribute the drawings that were submitted with the consolidated application dated April 22, 1999.
- 2. Drawing No. 15B008, Rev (3), titled "SPEC-150 Type B(U) Package, Depleted Uranium Shield" was revised as follows:
 - A. To delete the "Proprietary Notice" statement. The statement was inadvertently included on the original drawing. We do not seek proprietary status for this information. The NRC is authorization to distribute the drawing that was submitted with the consolidated application dated April 22, 1999.
 - B. To specify the radius of the S-tube, with tolerance, in conformance with NUREG/CR-5502.
 - C. To specify the "sphere" dimension (4-9/32"), with tolerances, in conformance with NUREG/CR-5502. The tolerances applied to this dimension are required to address typical amounts of "flashing" on the shield that is occasionally created by the casting mold seam, and other irregularities that are typical of the depleted uranium casting processes. It should be noted that the primary acceptance criteria for the shield are the maximum weight limitation and the shielding capability. For each shield the shielding capability is determined by direct survey, and the weight is determined by direct measurement, during the receiving inspection. Shield weight variations are caused primarily by the length of the hot top (mold gate) which is cut imprecisely by band saw by the shield vendor. The minimum weight is not specified since the receiving inspection survey determines if there is adequate shielding material.

R. D. "Donny" Dicharry, President

Drawing Nos. 15B000, Rev (6); 15B002A, Rev (5); 15B001-3, Rev (2); and 15B008, Rev (4).

Supplement No. 1, Instruction for Removal and Insertion of pages.

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Attached:

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SUPPLEMENT NO.1

May 6, 1999

CONSOLIDATED APPLICATION of NRC CERTIFICATE OF COMPLIANCE NO. 9263

Source Production & Equipment Company, Inc Model SPEC-150 Type B(U) Radioactive Material Package

REMOVE	INSERT				
Application Page 46	Application Page 46 - Supplement 1				
April 22, 1999 Appendices 9.1 Drawing 15B000, Rev (5)	May 6, 1999 Appendices 9.1 Drawing 15B000, Rev (6)				
April 20, 1999 Appendices 9.1	May 6, 1999 Appendices 9.1				
Drawing 15B002A, Rev (4) April 20, 1999	Drawing 15B002A, Rev (5) May 6, 1999 Appendices 9.1				
Appendices 9.1 Drawing 15B008, Rev (3) April 20, 1999	Drawing 15B008, Rev (4) May 6, 1999				
Appendices 9.1 Drawing 15B001-3, Rev (1) April 20, 1999	Appendices 9.1 Drawing 15B001-3, Rev (2) May 6, 1999				

Note: Revision lines in left margin indicate changes from the initial application dated April 22, 1999.

decay for the maximum permissible activity Iridium-192 source (150 Ci) is negligible. There are no components which be thermally degraded by typical use and transport.

8.2.7 Miscellaneous

The daily and quarterly inspection and maintenance program required of all licensed users of the model SPEC-150 is more than sufficient to assure the continuing integrity of the package.

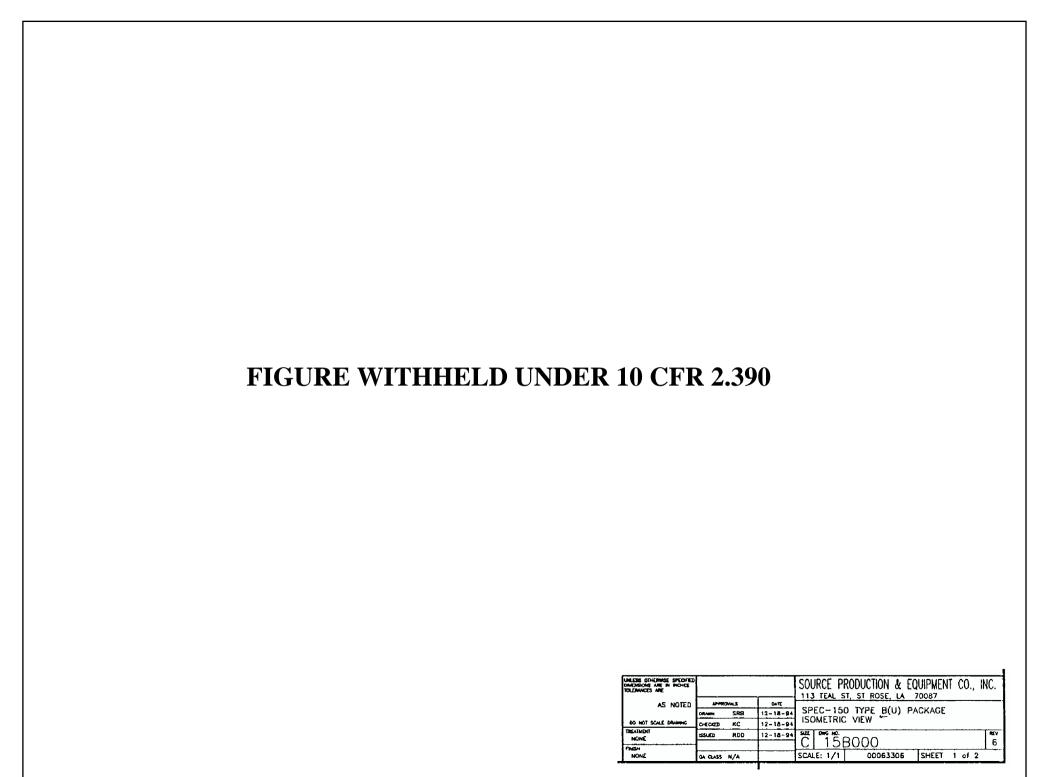
9. Appendices

9.1 Drawings

	DRAWING		TITLE		
I	15B000	Rev (6)	Isometric View		
i	15B002A	Rev (5)	Full Sectional View		
ĺ	15B008	Rev (4)	Depleted Uranium Shield		
i	15B001-3	Rev (2)	Materials List		

9.2 Photographs

PHOTO	DESCRIPTION - Prototype No. 2
53A	First 9 meter drop - Set up
53B	First 9 meter drop - Set up
53G	First 9 meter drop - Set up
53C	First 9 meter drop - Lock cap separation
53D	First 9 meter drop - Source connector undamaged
53E	First 9 meter drop - Source connector undamaged
53F	First 9 meter drop - Superficial damage
53H	First 9 meter drop - Superficial damage
53I	First 9 meter drop - Imprint on target
54A	Second 9 meter drop - Drop orientation
54B	Second 9 meter drop - Drop orientation
54C	Second 9 meter drop - ASM lid screw shear
54D	Second 9 meter drop - ASM lid screw shear
54E	Second 9 meter drop - Source connector
54F	Second 9 meter drop - Remained locked
55A	Third 9 meter drop - Orientation
55B	Third 9 meter drop - Orientation

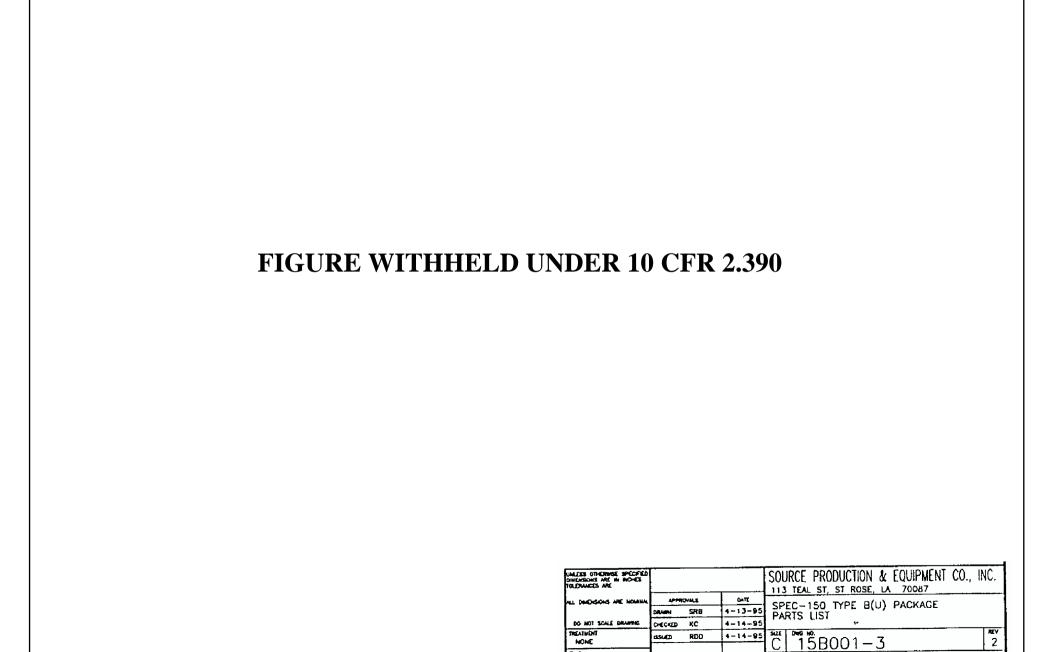




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