



71-9263

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:

1. 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.

Sincerely,

R. D. "Donny" Dicharry, President

Attached: 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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Source Production & Equipment Co., Inc.

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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 April 22, 1999	Application Page 46 - Supplement 1 May 6, 1999
Appendices 9.1 Drawing 15B000, Rev (5) April 20, 1999	Appendices 9.1 Drawing 15B000, Rev (6) May 6, 1999
Appendices 9.1 Drawing 15B002A, Rev (4) April 20, 1999	Appendices 9.1 Drawing 15B002A, Rev (5) May 6, 1999
Appendices 9.1 Drawing 15B008, Rev (3) April 20, 1999	Appendices 9.1 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
15B000 Rev (6)	Isometric View
15B002A Rev (5)	Full Sectional View
15B008 Rev (4)	Depleted Uranium Shield
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

FIGURE WITHHELD UNDER 10 CFR 2.390

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE			SOURCE PRODUCTION & EQUIPMENT CO., INC. 113 TEAL ST, ST ROSE, LA 70087		
AS NOTED	APPROVALS	DATE	SPEC--150 TYPE B(U) PACKAGE ISOMETRIC VIEW		
DO NOT SCALE DRAWING	DRAWN SREB	12-18-94	SIZE	DWG NO.	REV
	CHECKED KC	12-18-94	C	158000	6
TREATMENT NONE	ISSUED RDD	12-18-94			
FINISH NONE	QA CLASS N/A		SCALE: 1/1	00063306	SHEET 1 of 2

FIGURE WITHHELD UNDER 10 CFR 2.390

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE				SOURCE PRODUCTION & EQUIPMENT CO., INC. 113 TEAL ST, ST ROSE, LA 70087	
$\pm 1/16$	APPROVALS		DATE		SPEC-150 EXPOSURE DEVICE FULL SECTIONAL VIEW
	DRAWN SRB		3-1-95		
DO NOT SCALE DRAWING	CHECKED KC		3-1-95		SIZE DWG NO. C 15B002A
TREATMENT NONE	ISSUED RDD		3-1-95		
FINISH NONE	QA CLASS N				REV 5
		SCALE: 1/1		00062705	SHEET 1 OF 1

FIGURE WITHHELD UNDER 10 CFR 2.390

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE				SOURCE PRODUCTION & EQUIPMENT CO., INC. 113 TEAL ST, ST ROSE, LA 70087	
FRACTIONS $\pm 1/8$		APPROVALS	DATE	SPEC-150 TYPE B(U) PACKAGE DEPLETED URANIUM SHIELD	
DO NOT SCALE DRAWING		DRAWN SRB	12-18-94		
TREATMENT NONE		CHECKED KC	12-18-94		
FINISH NONE		ISSUED RDO	12-18-94	SIZE C	DRG NO. 15B008
		QA CLASS Q-A		SCALE: 1/1	00062604 SHEET 1 OF 1
				REV 4	

FIGURE WITHHELD UNDER 10 CFR 2.390

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE				SOURCE PRODUCTION & EQUIPMENT CO., INC. 113 TEAL ST, ST ROSE, LA 70087	
ALL DIMENSIONS ARE NOMINAL	APPROVALS		DATE		SPEC-150 TYPE B(U) PACKAGE PARTS LIST
	DRAWN	SRB	4-13-95		
DO NOT SCALE DRAWING	CHECKED	KC	4-14-95		
TREATMENT	ISSUED	RDO	4-14-95		
NONE					
FINISH					
NONE	QA CLASS		N/A		
SCALE: 1/1			00063102	SHEET 1 OF 1	