



**QSA GLOBAL**

**QSA Global, Inc.**

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5 October 2007

ATTN: Document Control Desk  
Spent Fuel Project Office  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
One White Flint  
Rockville, MD 20852

RE: USA/6613/B(U)-96 (Current Revision 12)

Dear Director:

QSA Global, Inc. requests renewal of the certificate referenced above for the Model 702 Type B(U) container. The current certificate for this approval is scheduled to expire on 30 June 2008. We are making this submission to ensure sufficient time to obtain the USNRC renewal as well as associated USDOT and international approvals for this container prior to its USNRC expiration date.

Enclosed with this letter is a copy of drawing R70290 Rev Q. This revision makes the following minor changes to the drawing:

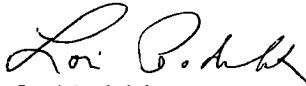
- Sheet 4 of 10, the weld thickness for the perforated plate is corrected from a call-out of 1/8" to the actual dimension of 3/64". The perforated plate for this structure has always been 18 Gauge steel. As such, it is not possible to form a 1/8" thick weld in this area as the material available for welding is only 3/64" thick. The reference to 1/8" was an error in the drawing that is being corrected with this revision. All test units used to demonstrate compliance with the Type B(U) requirements were manufactured from 18 gauge steel and were welded to the 3/64" specification.
- Sheet 6 of 10, added a stainless steel flat washer to the cask lid eyebolt attachment.
- Sheet 6 of 10, Clarified the eyebolt as "forged" carbon steel under the bill of material listing.
- Sheet 6 of 10, changed the cask bolt material from 304 stainless steel to 18-8 stainless steel. This material change is made as 18-8 stainless steel is more easily obtainable as a commercial component and this change will have no adverse impact on the package ability to continue to meet the Type B containment and transportation requirements.
- Sheet 7 of 10, the weld of the 4.28 diameter inner steel sheath to the upper steel ring is added to this drawing. This weld has always existed on the cask but had not been specified clearly on previous revisions of this drawing. This weld specification is added for accuracy and has no adverse impact on the containers ability to meet the Type B(U) package requirements.

LMSS01

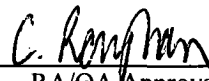
As a side point, the current revision of this certificate (12) references drawing R70290 Rev M under Section 5(a)(3). This is believed to be a typographical error as the latest version of this drawing is Rev N which was submitted under our application dated 24 Jun 2005 which is referenced in the tied-down documents in Reference section of the current certificate.

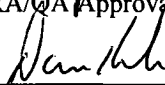
At this time there are no further changes or modifications necessary to this Type B approval. Should you have any additional questions or wish to discuss this submission after receipt please contact me.

Sincerely,



Lori Podolak  
Product Licensing Specialist  
Regulatory Affairs Department  
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Fax: (781) 359-9191  
Email: [Lori.Podolak@qsa-global.com](mailto:Lori.Podolak@qsa-global.com)

  
\_\_\_\_\_  
RA/QA Approval

  
\_\_\_\_\_  
Engineering Approval

5 Oct 07  
Date

5 Oct 07  
Date

Enclosure: Drawing R70290 Rev Q

cc: Mr. Robert Nelson  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike, Mailstop: EBB-3D-02M  
Rockville, MD 20852

5

4

3

2

1

D

D

C

C

B

B

A

A

Figure Withheld Under 10 CFR 2.390



DESCRIPTIVE  
DRAWING

TITLE	MODEL <input type="checkbox"/>
ISOTOPE SHIELD SHIPPING CONTAINER	

SIZE <b>B</b>	DWG. NO.	R70290	REV Q
	SCALE:	1/4	

5

4

3

2

1

5 4 3 2 1

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*Figure Withheld Under 10 CFR 2.390*



**DESCRIPTIVE  
DRAWING**

TITLE	MODEL <input type="checkbox"/>
ISOTOPE SHIELD SHIPPING CONTAINER	

SIZE	DWG. NO.	R70290	REV
<b>B</b>	SCALE: 1/8	SHEET 2 OF 10	<b>Q</b>

5 4 3 2 1

Figure Withheld Under 10 CFR 2.390



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DESCRIPTIVE  
DRAWING

TITLE ISOTOPE SHIELD SHIPPING CONTAINER MODEL

SIZE DWG. NO. R70290 REV

B SCALE: 1/8 SHEET 3 OF 10 Q

Figure Withheld Under 10 CFR 2.390




DESCRIPTIVE  
DRAWING

TITLE ISOTOPE SHIELD. SHIPPING CONTAINER MODEL

SIZE DWG. NO. R70290  
B SCALE: 1/8 SHEET 4 OF 10

REV  
Q

Figure Withheld Under 10 CFR 2.390

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE INCHES, TOLERANCE $\pm 1/16$			
 40 NORTH AVE, BURLINGTON, MA 01803		DESCRIPTIVE DRAWING	
TITLE		MODEL	
ISOTOPE SHIELD SHIPPING CONTAINER			
SIZE	DWG. NO.	R70290	REV
B	SCALE: 1/4	SHEET 5 OF 10	Q

5

4

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*Figure Withheld Under 10 CFR 2.390*



40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE  
DRAWING

TITLE ISOTOPE SHIELD SHIPPING CONTAINER MODEL

SIZE <b>B</b>	DWG. NO.	R70290	REV Q
	SCALE:	1/4	

5

4

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2

1



5

4

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*Figure Withheld Under 10 CFR 2.390*



DESCRIPTIVE  
DRAWING

TITLE	MODEL <input type="checkbox"/>
ISOTOPE SHIELD SHIPPING CONTAINER	

SIZE	DWG. NO.	R70290	REV
B	SCALE: 1/2	SHEET 7 OF 10	Q

5

4

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2

1

5

4

3

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Figure Withheld Under 10 CFR 2.390



40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE  
DRAWING

TITLE		MODEL <input type="checkbox"/>
ISOTOPE SHIELD SHIPPING CONTAINER		

SIZE <b>B</b>	DWG. NO.	R70290	REV Q
	SCALE:	1/2	

5

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D

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C

B

B

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A

Figure Withheld Under 10 CFR 2.390



40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE  
DRAWING

TITLE	MODEL <input type="checkbox"/>
ISOTOPE SHIELD SHIPPING CONTAINER	

SIZE	DWG. NO.	R70290	REV
B	SCALE:	1/2	Q
	SHEET 9 OF 10		

Figure Withheld Under 10 CFR 2.390



40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE  
DRAWING

TITLE ISOTOPE SHIELD SHIPPING CONTAINER MODEL

SIZE <b>B</b>	DWG. NO.	R70290	REV <b>Q</b>
	SCALE:	1/1	