



QSA GLOBAL

71-9357

QSA Global, Inc.

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22 October 2014

Mr. Michael Waters, Chief
Licensing Branch
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

RE: USA/9357/B(U)-96 (Current Revision 3)

Dear Mr. Waters:


QSA Global, Inc. requests amendment of the certificate referenced above to make some minor changes to the descriptive assembly drawing. Enclosed is Revision J of drawing R86000 which makes the following changes:

- The large rivnuts shown on page 2 of 10 has been revised to allow either use of the large rivnuts currently approved or to allow use of a 1/2-13 tapped threaded holes in place of the large rivnuts. The rivnuts are used to secure the optional rib handling assemblies to the weldment and this modification will have no adverse impact on the performance of the Type B package when the optional rib assemblies are installed on the package.
- On sheet 6 of 10, a Tungsten cover shield has been added to the Model 867 dust cover assembly to provide additional shielding and further reduce external package dose rates. The addition of the tungsten cover shield in the dust cover assembly will replace some material polyethylene/polyurethane material previously located in that area. The tungsten in this location will perform the same or better than the polyethylene/polyurethane material that was tested for conformance to the Normal and Hypothetical Accident condition testing. As such, this modification will have no adverse impact on the Model 867's performance as a Type B transport package.
- The dust cover assembly on sheet 6 of 10 has been modified slightly to incorporate an optional stainless steel spacer ring to facilitate shipment of source wire assemblies that may protrude slightly from the end of the fitting. This change is made to ensure the end of the source wire assembly does not contact the dust cover assembly port shield when the assembly is secured to the lock assembly. This spacer ring will have no adverse impact on the performance of the dust cover assembly and the cover assembly will continue to secure to the lock assembly in the currently approved manner.
- The specification on sheet 6 of 10 for the fitting has been revised to include the option to use Class 3 or 4 Tungsten in addition to the currently approved Classes 1 and 2. This change will have no adverse impact on the performance of the Type B package.
- On sheet 9 of 10, Note 6 has been revised to allow application of supplemental depleted uranium shielding to shields that initially measure a maximum of 500 mR/hr on the surface (instead of 225 mR/hr currently approved) or that measure a maximum of 20 mR/hr at one meter from the surface (instead of the 10 mR/hr currently approved). This change will not affect the overall maximum package weight or the maximum depleted uranium shield weight for these packages as any added depleted uranium, when added to the base shield weight, must still comply with the maximum values specified on sheet 9 of drawing R86000 Revision J. As such, this change will have no adverse impact on the package's ability to meet Type B performance requirements.


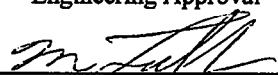
NM5524

There are no other changes required at this time. Should you have any additional questions or wish to discuss this submission after receipt please feel free to contact me.

Sincerely,




Lori Podolak
Manager, Regulatory Affairs/Quality Assurance
Ph: (781) 505-8241
Fax: (781) 359-9191
Email: Lori.Podolak@qsa-global.com

 Engineering Approval	<u>22 OCT 14</u> Date
 Regulatory Approval	<u>22 OCT 2014</u> Date

Enclosure: Drawing R86000 Revision J


cc: 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

Security Related Information
Figure Withheld Under 10 CFR 2.390


UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE INCHES & TOLERANCES $\pm 1/16$	
 QSA GLOBAL <small>40 NORTH AVE, BURLINGTON, MA 01803</small>	DESCRIPTIVE DRAWING
TITLE SENTRY TRANSPORT PACKAGE	
SIZE	DWG. NO. R86000 SCALE: NONE
REV	J SHEET 1 OF 10

ERF #	APPROVALS	DATE
3122	<i>S. Grant</i> <i>[Signature]</i>	21 OCT '14 22 OCT '14


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UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE INCHES & TOLERANCES $\pm 1/16$		
	QSA GLOBAL	DESCRIPTIVE DRAWING
40 NORTH AVE, BURLINGTON, MA 01803		
TITLE SENTRY TRANSPORT PACKAGE		
SIZE	DWG. NO. R86000	REV
A	SCALE: NONE	J
		SHEET 2 OF 10


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TITLE SENTRY TRANSPORT PACKAGE		
SIZE	DWG. NO. R86000	REV
A	SCALE: NONE	J
		SHEET 3 OF 10


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UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE INCHES & TOLERANCES $\pm 1/16$		
	QSA GLOBAL 40 NORTH AVE, BURLINGTON, MA 01803	DESCRIPTIVE DRAWING
TITLE SENTRY TRANSPORT PACKAGE		
SIZE A	DWG. NO. R86000	REV J
SCALE: NONE		SHEET 4 OF 10


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TITLE SENTRY TRANSPORT PACKAGE		
SIZE	DWG. NO. R86000	REV
A	SCALE: NONE	J
		SHEET 5 OF 10


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 QSA GLOBAL		DESCRIPTIVE DRAWING	
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SIZE	DWG. NO.	R86000	REV
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 QSA GLOBAL		DESCRIPTIVE DRAWING	
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TITLE SENTRY TRANSPORT PACKAGE			
SIZE	DWG. NO.	R86000	REV
A	SCALE: NONE	SHEET 7 OF 10	J


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SIZE A	DWG. NO. R86000 SCALE: NONE	REV J SHEET 8 OF 10

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SIZE A	DWG. NO. R86000	REV J
SCALE: NONE		SHEET 2 OF 10

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 QSA GLOBAL		DESCRIPTIVE DRAWING	
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TITLE SENTRY TRANSPORT PACKAGE			
SIZE	DWG. NO.	R86000	REV
A	SCALE: NONE	SHEET 10 OF 10	J