



QSA GLOBAL

QSA Global, Inc.

40 North Avenue

Burlington, MA 01803

Telephone: (781) 272-2000

Toll Free: (800) 815-1383

Facsimile: (781) 359-9191

16 December 2015

Ms. Michele Sampson, Chief
Spent Fuel Licensing Branch
U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Division of Spent Fuel Management
Mailstop 3WFN-14A44
11555 Rockville Pike
One White Flint
Rockville, MD 20852

RE: Amendment Request for CoC number USA/9371/B(U)-96

Dear Ms. Sampson:

QSA Global, Inc. is requesting amendment of the Type B CoC to correct typographical errors identified during a review of drawing R36000 Revision E. As part of the Type B package reviews initiated by QSA Global, Inc., we noted one error for the Model 360 packages where the design was not accurately identified on the descriptive referenced under the CoC. The identified error has no impact on packages used/shipped under the CoC because the affected 360 designs have not been manufactured for transport under the Type B approval. In addition, we are making some minor changes to package drawing R36000 to more accurately specify the package. In summary the drawing changes include:

1. Pages 7 and 8 of drawing R36000 Rev E identify the shield tube for the Models 360-4W and 360-10W assemblies to be a thickness of 0.06 inches. This is a typographical error on the drawing as the actual material thickness of these components is 0.12 inches which is the same as the shield mount components. All 360-10W test units used to demonstrate compliance to transport requirements under Test Plan 199 Report were manufactured with shield tube components with material thickness of 0.12 inches. (No testing was performed on the Model 360-4W as its compliance was assessed based on results of testing for the Model 360-10W test specimens.) Since the tested units were compliant to the thicker shield mount dimension, this change will have no adverse impact on the package structural integrity. The change will only reflect on the descriptive drawing, the dimension of the actual tested units under Test Plan 199 Report.

Enclosed is drawing R36000 Revision F which now lists the shield mount material thickness on sheets 7 and 8 as 0.12 inches instead of the currently referenced 0.06 inches. This change corrects the typographical error on the referenced drawing and accurately reflects the production drawings for the components used on the Model 360-4W and 360-10W units. No versions of the 360-4W or 360-10W packages have been used for Type B transport under the CoC at this time so this correction is not reportable under 10 CFR 71.95. The Model 360-4W and 360-10W packages will not be used under the CoC until amendment authorizing this change is obtained.

NM5501

2. Revised sheet 1, Note 5 to more clearly describe the lock wire application to the source securing mechanism mounting screws. This revision is for clarification only and does not change the lock wire requirement on transport units. This administrative change is made for completeness and consistency.
3. Revised sheet 1 to reflect the optional use of threadlocker on the shield mounting bolts and made threadlocker an "option" for the source securing mechanism screws used on the lock assemblies. Addition of threadlocker for the shield mounting bolts will not adversely impact the performance of the 360 Series packages and is being made for completeness and accuracy. Identifying the use of threadlocker as optional for the SSM screws will also have no adverse impact on the package since the top screws of the SSMs are lock wired to prevent unthreading during transport and as seen under hypothetical accident condition testing, the bottom screws attaching the SSMs can shear under test conditions so the presence of threadlocker will have no impact on the package's satisfactory ability to meet normal or hypothetical accident condition testing. At this time, all units in transport utilize threadlocker. This change is being requested for future flexibility only.
4. Revised sheet 4 to correct an error in the spelling of threadlocker for shield bolt use. Currently this is described as "theadlocker" instead of "threadlocker". This change is being made for accuracy only and has no impact on the package construction.

Revision to drawing R36000 is included with this letter. Should you have any additional questions, or wish to discuss this issue or our amendment request, please contact me.

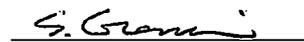
Sincerely,



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


RA/QA Approval

16 DEC 2015
Date


Engineering Approval

16 Dec 2015
Date

Enclosures: Drawing R36000 Revision F

cc: ATTN: Document Control Desk
Director, Division of Spent Fuel Storage and Transportation
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.

 QSA GLOBAL			DESCRIPTIVE DRAWING		
40 NORTH AVE, BURLINGTON, MA 01803					
TITLE			MODEL 360 TRANSPORT PACKAGE		
ERF #	APPROVALS	DATE	SIZE	DWG. NO. R36000	REV
3379		7 Dec 15	A	SCALE: NONE	F
		8 Dec 15		SHEET 1 OF 10	
		8 Dec 15			

Security-Related Information Figure
Withheld Under 10 CFR 2.390.

 QSA GLOBAL		DESCRIPTIVE DRAWING	
40 NORTH AVE, BURLINGTON, MA 01803			
TITLE MODEL 360 TRANSPORT PACKAGE			
SIZE	DWG. NO.	REV	
A	R36000	F	
SCALE: NONE		SHEET 2 OF 10	

Security-Related Information Figure
Withheld Under 10 CFR 2.390.



QSA GLOBAL

40 NORTH AVE, BURLINGTON, MA 01803

**DESCRIPTIVE
DRAWING**

TITLE MODEL 360 TRANSPORT PACKAGE

SIZE DWG. NO. R36000

A

SCALE: NONE

SHEET 3 OF 10

REV

F

Security-Related Information Figure
Withheld Under 10 CFR 2.390.



QSA GLOBAL

40 NORTH AVE, BURLINGTON, MA 01803

**DESCRIPTIVE
DRAWING**

TITLE MODEL 360 TRANSPORT PACKAGE

SIZE DWG. NO. R36000

A

SCALE: NONE

SHEET 4 OF 10

**REV
F**

Security-Related Information Figure
Withheld Under 10 CFR 2.390.



QSA GLOBAL

40 NORTH AVE, BURLINGTON, MA 01803

**DESCRIPTIVE
DRAWING**

TITLE MODEL 360 TRANSPORT PACKAGE

**SIZE
A**

DWG. NO. R36000

SCALE: NONE

SHEET 5 OF 10

**REV
F**

Security-Related Information Figure
Withheld Under 10 CFR 2.390.



QSA GLOBAL

40 NORTH AVE, BURLINGTON, MA 01803

**DESCRIPTIVE
DRAWING**

TITLE MODEL 360 TRANSPORT PACKAGE

SIZE DWG. NO. R36000

A

SCALE: NONE

SHEET 6 OF 10

**REV
F**

Security-Related Information Figure
Withheld Under 10 CFR 2.390.



QSA GLOBAL

40 NORTH AVE, BURLINGTON, MA 01803

**DESCRIPTIVE
DRAWING**

TITLE MODEL 360 TRANSPORT PACKAGE

SIZE DWG. NO. R36000

A

SCALE: NONE

SHEET 7 OF 10

**REV
F**

Security-Related Information Figure
Withheld Under 10 CFR 2.390.



QSA GLOBAL

40 NORTH AVE, BURLINGTON, MA 01803

**DESCRIPTIVE
DRAWING**

TITLE MODEL 360 TRANSPORT PACKAGE

SIZE

A

DWG. NO.

R36000

SCALE: NONE

SHEET 8 OF 10

REV

F

Security-Related Information Figure
Withheld Under 10 CFR 2.390.



QSA GLOBAL

40 NORTH AVE. BURLINGTON, MA 01803

**DESCRIPTIVE
DRAWING**

TITLE MODEL 360 TRANSPORT PACKAGE

SIZE DWG. NO. R36000

A

SCALE: NONE

SHEET 9 OF 10

**REV
F**

Security-Related Information Figure
Withheld Under 10 CFR 2.390.



QSA GLOBAL

40 NORTH AVE, BURLINGTON, MA 01803

**DESCRIPTIVE
DRAWING**

TITLE MODEL 360 TRANSPORT PACKAGE

SIZE DWG. NO. R36000

A

SCALE: NONE

SHEET 10 OF 10

**REV
F**