



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 3, 2016

Ms. Lori Podolak
Manager
Regulatory Affairs/Quality Assurance
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

SUBJECT: REVISION NO. 2 OF CERTIFICATE OF COMPLIANCE NO. 9371 FOR THE
MODEL NO. 360 SERIES OF TRANSPORTATION PACKAGES

Dear Ms. Podolak:

As requested by your application dated December 16, 2015, as supplemented February 8, 2016, enclosed is Certificate of Compliance (CoC) No. 9371, Revision No. 2, for the Model No. 360 series of transportation packages. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's safety evaluation report is also enclosed.

Those on the attached list have been registered as users of the package under the general license provisions of 10 CFR 71.17 or 49 CFR 173.471. This approval constitutes authority to use the package for shipment of radioactive material and for the package to be shipped in accordance with the provisions of 49 CFR 173.471.

If you have any questions regarding this certificate, you may contact me or Huda Akhavannik of my staff at 301-415-5253.

Sincerely,

/RA/

Steve Ruffin, Acting Chief
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9371
TAC No. L25083

Enclosures: 1. CoC No. 9371, Rev. No. 2
2. Safety Evaluation Report
3. Registered Users

Upon removal of Enclosure 3, this
document is uncontrolled

cc w/encls. 1 & 2: R. Boyle, DOT
J. Shuler, DOE, c/o L. F. Gelder
Registered Users



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION REPORT
Docket No. 71-9371
Model No. 360
Certificate of Compliance No. 9371
Revision No. 2

SUMMARY

By application dated December 16, 2015 (ML16004A259), as supplemented February 8, 2016 (ML16049A341), QSA Global, Inc. (QSA, or the applicant) requested amendment to Certificate of Compliance (CoC) No. 9371, for the Model No. 360 series of transportation packages. QSA requested correcting errors on their licensing drawings on the shield tube thickness and the spelling of the word "threadlocker." Additionally, QSA requested making the use of threadlocker optional on the shield mounting bolts and source securing mechanism (SSM) screws. Staff reviewed the changes and agrees that they do not affect the ability of the package to meet the requirements of Title 10 of the *Code of Federal Regulation* (10 CFR) Part 71.

EVALUATION

By application dated December 16, 2015, as supplemented February 8, 2016, QSA requested amendment to CoC No. 9371, for the Model No. 360 series of transportation packages. QSA requested correcting errors on their licensing drawings on the shield tube thickness and the spelling of the word "threadlocker." Additionally, QSA requested making the use of threadlocker optional on the shield mounting bolts and SSM screws.

Structural

The amendment request proposed the use of threadlocker (dimethacrylate ester) or a lockwire for SSM screws (both "top" and "bottom" screws) in Section A1-A1 of sheet one of the licensing drawings for flexibility. The "top" SSM screws are always lockwired with the option of having thread locker applied to them, while "bottom" SSM screws may be secured using a lockwire and/or threadlocker. The previous revision called for a lock wire on just the "top" SSM screws while requiring threadlocker on all "top" and "bottom" SSM screws.

The applicant states that both methods of securing SSM screws are acceptable. Staff reviewed the applicant's evaluation and agrees that a lockwire or threadlocker is an acceptable form of securing SSM screws in the confines of this amendment request because either approach will prevent screws from disengaging during normal conditions of transport. Staff evaluated the amendment request and agrees that the package will still be able to meet the requirements of 10 CFR 71.71(c)(5).

CONDITIONS

Condition No. 5.(a)(3), "Drawings," has been updated to reflect the latest revision of the drawings.

The references section has been updated to include this request.

CONCLUSION

Based on the statements contained in the application, and the conditions listed above, the staff concludes that the changes indicated do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9371, Revision No. 2,
on 3-3-16.

OFFICIAL USE ONLY – SECURITY RELATED INFORMATION

Ms. Lori Podolak
Manager
Regulatory Affairs/Quality Assurance
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

SUBJECT: REVISION NO. 2 OF CERTIFICATE OF COMPLIANCE NO. 9371 FOR THE MODEL NO. 360 SERIES OF TRANSPORTATION PACKAGES

Dear Ms. Podolak:

As requested by your application dated December 16, 2015, as supplemented February 8, 2016, enclosed is Certificate of Compliance (CoC) No. 9371, Revision No. 2, for the Model No. 360 series of transportation packages. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's safety evaluation report is also enclosed.

Those on the attached list have been registered as users of the package under the general license provisions of 10 CFR 71.17 or 49 CFR 173.471. This approval constitutes authority to use the package for shipment of radioactive material and for the package to be shipped in accordance with the provisions of 49 CFR 173.471.

If you have any questions regarding this certificate, you may contact me or Huda Akhavannik of my staff at 301-415-5253.

Sincerely,

/RA/

Steve Ruffin, Acting Chief
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9371
TAC No. L25083

- Enclosures: 1. CoC No. 9371, Rev. No. 2
- 2. Safety Evaluation Report
- 3. Registered Users

Upon removal of Enclosure 3, this document is uncontrolled

cc w/encls. 1 & 2: R. Boyle, DOT
J. Shuler, DOE, c/o L. F. Gelder
Registered Users

DISTRIBUTION:

(G:\SFST\Part 71 Casework\9371.R2.doc G:\SFST\Part 71 Casework\9371.r2.LTR&SER.doc
ADAMS Package No.: ML16063A369 Letter & SER.: ML16063A373 CoC: ML16063A379
Enclosure 3: ML16063A381

OFC:	SFST		SFST		SFST		SFST		SFST		SFST	
NAME:	HAKhavannik	WWheatley	ARigato	JPiotter	SRuffin							
DATE:	2/19/16	2/23/16	2/19/16	2/24/16	3/3/16							

C = COVER E = COVER & ENCLOSURE N = NO COPY OFFICIAL RECORD COPY