April 4, 2013

Ms. Lori Podolak
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

SUBJECT: REVISION NO. 9 OF CERTIFICATE OF COMPLIANCE NO. 9148 FOR THE MODEL NO. 770 PACKAGE

Dear Ms. Podolak:

As requested by your application dated October 1, 2012, as supplemented March 21 and 25, 2013, enclosed is Certificate of Compliance No. 9148, Revision No. 9, for the Model No. 770 package. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's safety evaluation report is also enclosed.

The 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 Title 49 of the *Code of Federal Regulations* (49 CFR) 173.471. 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.

If you have any questions regarding this certificate, please contact me or Huda Akhavannik of my staff at (301) 492-3273.

Sincerely,

/RA/

Michele Sampson, Acting Chief
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9148
TAC Nos. L24692 and L24693

Enclosures: 1. Certificate of Compliance No. 9148, Rev. No. 9
2. Safety Evaluation Report
3. Registered Users

Upon removal of Enclosure 3, this document is uncontrolled

cc w/encls 1&2: R. Boyle, Department of Transportation
J. Shuler, Department of Energy

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ADAMS P8 Package No.:ML13094A032 Letter No.: ML13094A038

OFC	SFST	SFST	SFST		
NAME	HAkhavannik	DTarantino	MDeBose	BTripathi for DPstrak	MSampson
DATE	3/29/13	4/1/2012	4/1/2013	4/3/13	4/4/13

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SAFETY EVALUATION REPORT
Docket No. 71-9148
Model No. 770 Transportation Package
Certificate of Compliance No. 9148
Revision No. 9

SUMMARY

By application dated October 1, 2012, and as supplemented on March 21 and 25, 2013, QSA Global, Inc. (QSA) submitted a consolidated application and requested that the package application review includes consideration of NUREG-1886, "Joint Canada-United States Guide for Approval of Type B(U) and Fissile Material Transportation Packages." QSA also requested renewal of the Certificate of Compliance No. 9148 for the Model No. 770 package. The certificate has been renewed for a five year term.

NRC staff reviewed the application using the guidance in NUREG-1886. Based on the statements and representation in the application, as supplemented, and the conditions listed below, the staff concludes that these changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71. Staff reviewed the application against NUREG-1886, and found that the highlighted areas of emphasis have been appropriately addressed.

EVALUATION

By application dated October 1, 2012, and as supplemented on March 21 and 25, 2013, QSA Global, Inc., (QSA) submitted a consolidated application and requested that the package application review includes consideration of NUREG-1886, "Joint Canada-United States Guide for Approval of Type B(U) and Fissile Material Transportation Packages." Staff reviewed the application against NUREG-1886, and found that the highlighted areas of emphasis have been appropriately addressed.

QSA also requested renewal of the Certificate of Compliance No. 9148 for the Model No. 770 package. The staff reviewed the documents referenced in the certificate of compliance and determined that the documentation was available and complete. The certificate has been renewed for a five year term.

As discussed in Section 1.2 of the application, the Model No. 770 is designed as an industrial source changer and (Type B) transport package for special form radioactive material. As discussed in Section 2 of the application only one package of this design is currently in use for transportation and no other versions of this package will be fabricated for use. Therefore, staff, in a teleconference with QSA dated February 12, 2013, requested revision of note 2 found on Drawing No. R77090, Rev. D, to include the codes and standards to be used for weld repairs. QSA updated note 2 and renamed the drawing to Drawing No. R77091, Rev. A. The staff finds the drawing requirements specified for welding, qualifications, repairs, and examination acceptable.

CONDITIONS

Condition No. 5(a)(3) was updated to include QSA Global, Inc., Drawing No. R77091 - sheets 1 through 6, Rev. A.

Condition No. 9 was included to specify that no new fabrication of the package is authorized.

The October 1, 2012, submittal, supplemented on March 21 and 25, 2013, supersedes all previous revisions of the application and was included in the References section.

Condition No. 10 (previously Condition No. 9 in Revision No. 8 of the certificate) has been updated to reflect the new expiration date.

CONCLUSION

The certificate has been renewed for a five year term which expires on March 31, 2018. Based on the statements and representations contained in the application, as supplemented, and the conditions listed above, the staff concludes that the design of the Model No. 770 package has been adequately described and evaluated. 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. 9148, Revision No. 9, on April 4, 2013.