

May 2, 2006

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR REVIEW OF
THE MODEL NO. 680-OP TRANSPORT PACKAGE

Dear Ms. Podolak:

By letter dated August 29, 2005, and supplemented by letters dated October 25, 2005, and February 20, 2006, AEA Technology QSA Inc./QSA Global Inc., submitted a request for the U.S. Nuclear Regulatory Commission to amend Certificate of Compliance (CoC) No. 9035.

In connection with the staff's review, we need the information identified in the enclosure to this letter. We request that you provide this information by May 31, 2006. Inform us at your earliest convenience, but no later than May 26, 2006, if you are not able to provide the information by that date. To assist us in re-scheduling your review, you should include a new proposed submittal date and the reasons for the delay.

In addition, we noted that the quality assurance (QA) program, required by Title 10 Code of Federal Regulations Part 71, is still under the organizational name of AEA Technology QSA Inc., although the organization is under new ownership and name. QSA Global is required to have its QA program description revised to reflect new ownership and name. This revision must occur before the CoC can be revised to reflect QSA Global's new ownership.

The staff is available to meet to discuss your proposed responses. If you have any questions regarding this matter, I may be contacted at (301) 415-8531.

Sincerely,

/RA/

Stewart W. Brown, Senior Project Manager
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9035
TAC Nos. L23921 and L23897

Enclosure: Request for Additional Information

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Request for Additional Information
QSA Global Inc.
Docket No. 71-9035
Certificate of Compliance No. 9035
Model No. 680-OP Transport Package

By letter dated August 29, 2005, and supplemented by letters dated October 25, 2005, and February 20, 2006, AEA Technology/QSA Inc., (now QSA Global Inc.) (QSA) submitted a request for the U.S. Nuclear Regulatory Commission (NRC) to amend Certificate of Compliance (CoC) No. 9035. QSA's response to the previous request for additional information (RAI) addressed the issue of containment. The staff understands that the radioactive material will not be released even under hypothetical accident conditions (HAC). However, QSA's response to the issue of shielding did not provide sufficient technical detail to allow the staff to evaluate this issue. This second RAI identifies information needed by the NRC staff in connection with its review of the requested amendment. The requested information is listed by chapter number and title in the applicant's safety analysis report (SAR).

Each individual RAI describes information needed by the staff for it to complete its review of the requested application and the SAR to determine whether the applicant has demonstrated compliance with the regulatory requirements.

Chapter 2 Structural Evaluation

- 2-1 Revise Drawings R 68090, Revision G and R 680-OP, Revision E to include the wording similar to the wording that appears in Drawing 68090, Revision F (this drawing is included in CoC No. 9035 by Condition 5(a)(3)).

All personnel qualifications, welding and examination procedures shall be in accordance with the requirements of the AWS (*insert specific AWS code designation*) Structural Welding Code current at the time of fabrication and inspection. All welds shall be visually inspected (VT) unless otherwise noted.

An alternative to including similar wording on Drawings 68090 and R 680-OP would be to provide the results of either physical tests or analyses that demonstrate the Model No. 680-OP would continue to comply with the requirements of Title 10 Code of Federal Regulations (10 CFR) Part 71 without reliance on the welds in question.

This information is necessary to determine compliance with 10 CFR 71.41.

- 2-2 Provide a detailed discussion that supports QSA's determination that Model No. 680-OP units manufactured with welds made by welders not qualified in accordance with the guidance specified in the AWS Structural Welding Code comply with the requirements of 10 CFR Part 71. The staff has reviewed the discussion provided in QSA's letter dated February 20, 2006. While the staff understands the rationale provided by QSA, the information was not sufficient to allow the staff to determine if QSA's conclusion was correct. Therefore, QSA needs to supplement the information provided. This

supplemental information could include arguments based on additional testing, operational experience with the welds in question, or additional safety margin demonstrated by previous testing or stress analysis of the weldment under HAC.

This information is necessary to determine compliance with 10 CFR 71.41.