



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

June 23, 2017

Mr. Ahmad M. Al-Daouk, Director
Office of Packaging and Transportation
U.S. Department of Energy
National Nuclear Security Administration
P.O. Box 5400
Albuquerque, NM 87185

SUBJECT: APPLICATION FOR THE MODEL NO. 435-B TRANSPORT PACKAGE,
REVISION 2 – ACCEPTED FOR REVIEW (CAC NO. L25217)

Dear Mr. Al-Daouk:

By letter dated April 27, 2017 (ADAMS Accession No. ML 17138A026), you submitted an application for revising Certificate of Compliance No. 9355, for the Model No. 435-B transport package. The package design allows to transport beta sources, gamma sources, and very small neutron sources. The application proposes making the following changes to the design of the Model No. 435-B package:

- 1) remove the use of adhesive to attach neoprene to the lodgment, and the thin (1/8-inch thick) neoprene;
- 2) add breather vents to the inner container (IC) lid;
- 3) add a new case to the thermal analysis to evaluate the thermal effect of using metallic dunnage with a shielded device in the IC;
- 4) add Section 3.4.3.5 to the thermal analysis to document the evaluation of the thermal decomposition response under hypothetical accident conditions of non-metallic materials that may be transported within containment;
- 5) revise the operations to allow the slings used to lift the shielded device during loading to be left in the IC for use in unloading; and
- 6) revise licensing drawings to reflect changes identified during fabrication of the packaging.

The package is designed with a leak tight containment that can be transported singly by air, ground, or water in non-exclusive use.

The staff performed an acceptance review of your application to determine if the application contains sufficient technical information in scope and depth to allow the staff to complete a detailed technical review.

We have established a schedule for the review and estimated that the staff may need approximately 700 hours to complete its review. The schedule allows for the staff to issue the first request for additional information (RAI) in August 2017 and, if a second RAI is not needed, a certificate of compliance in November 2017, based on you responding to the first RAI in early September 2017. In general, no additional changes to the application should be submitted except for changes resulting from your response to an RAI.

If you have any questions regarding this matter, please contact me at (301) 415-6999.

Sincerely,

/RA/

Norma Garcia-Santos, Project Manager
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9355
CAC No. L25217

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ADAMS P8 Accession No.: ML17179A153

OFC\DIV:	DSFM	DSFM	DSFM
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