



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

February 2, 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: REVISION NO. 1 OF CERTIFICATE OF COMPLIANCE NO. 9355 FOR THE
MODEL NO. 435-B TRANSPORTATION PACKAGE

Dear Mr. Al-Daouk:

The U.S. Department of Energy, National Nuclear Security Administration (NNSA or the applicant), requested a revision to the Certificate of Compliance (CoC) for the Model No. 435-B packaging by application dated June 9, 2016 (Agencywide Document Access and Management System (ADAMS) Accession No. ML16250A245), as supplemented on the following dates:

- 1) August 25, 2016 (ADAMS Accession No. ML16246A189),
- 2) October 26, 2016 (ADAMS Accession No. ML16347A463), and
- 3) December 13, 2016 (ADAMS Accession No. ML16349A231).

In summary, the applicant proposes the following revisions to the design of the Model No. 435-B package:

- 1) Change the called for tempers for aluminum alloy 6061 to align the 6061 aluminum alloy description according to the American Society of Mechanical Engineers (ASME) specifications and temper designations,
- 2) Change the licensing drawings with respect to welds and weld symbols to conform with American Welding Society's (AWS's) A2.4,
- 3) Apply corrections to facilitate manufacturing and operations of the package,
- 4) Expand the description of the material of construction to align with the American Society for Testing and Materials (ASTM) specifications, and
- 5) Delete Radium-226 (^{226}Ra) from the list of authorized contents.

Enclosed is Certificate of Compliance No. 9355, Revision No. 1, for the Model No. 435-B transportation package. 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 49 CFR 173.471.

Upon removal of Enclosure 3, this document is uncontrolled.

A. Al-Daouk

- 2 -

If you have any questions regarding this certificate, please contact me or Norma García Santos of my staff at (301) 415-6999.

Sincerely,

/RA/

John McKirgan, Chief
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9355
CAC No. L25126

Enclosures:

1. Certificate of Compliance No. 9355,
Revision No. 1
2. Safety Evaluation Report
3. Registered Users

cc w/encls. 1. and 2.: R. Boyle, U.S. DOT
J. Shuler, U.S. DOE
c/o L. F. Gelder

~~OFFICIAL USE ONLY – SECURITY-RELATED INFORMATION~~

A. Al-Daouk

- 2 -

If you have any questions regarding this certificate, please contact me or Norma García Santos of my staff at (301) 415-6999.

Sincerely,

/RA/

John McKirgan, Chief
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9355
CAC No. L25126

Enclosures:

1. Certificate of Compliance No. 9355,
Revision No. 1
2. Safety Evaluation Report
3. Registered Users

cc w/encls. 1. and 2.: R. Boyle, U.S. DOT
J. Shuler, U.S. DOE
c/o L. F. Gelder

G:\SFST\Part 71 Casework\9355.R1.LTR.doc
G:\SFST\Part 71 Casework\9355.R1.SER.doc
G:\SFST\Part 71 Casework\9355.R1.doc

Upon removal of Enclosure 3, this document is uncontrolled.

ADAMS Package Accession No.: ML17037C577
Cover letter ADAMS Accession No.: ML17037C767
This closes CAC No. L25126.

OFC	DSFM	N	DSFM	E	DSFM	N	DSFM	N
NAME	N. Garcia-Santos by e-mail		S. Figueroa by e-mail		A. Rigato B. by e-mail		D. Tarantino by e-mail	
DATE	1/5/2017		1/9/2017		1/6/2017		1/6/2017	
OFC	DSFM	N	DSFM	N	DSFM	N	DSFM	
NAME	Y. Diaz Sanabria		M. Rahimi by e-mail		J. McKirgan		/	
DATE	1/30/17		1/13/2017		2/2/17		/	

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