

April 15, 2016

Mr. Richard W. Boyle, Chief
Radioactive Materials Branch
Office of Hazardous Materials Technology
U.S. Department of Transportation
1200 New Jersey Ave., S.E.
Washington, DC 20590

SUBJECT: REVALIDATION OF MODEL NO. TN-BGC1 FRENCH COMPETENT
AUTHORITY CERTIFICATE F/313/B(U)F-96 REV. JBB (TAC NO. L25037)

Dear Mr. Boyle:

By letter dated July 9, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15208A219), as supplemented on December 21, 2015, February 1, and March 16, 2016 (ADAMS Accession Nos. ML16011A161, ML16084A171 and ML16076A294 respectively), the United States (U.S.) Department of Transportation submitted a request to the U.S. Nuclear Regulatory Commission staff for revalidation of Model No. TN-BGC1 French Competent Authority Certificate F/313/B(U)F-96, Rev. Jbb. Based on our review of the statements and representations contained in the application, and for the reasons stated in the enclosed safety evaluation report, we recommend revalidation of French Competent Authority Certificate No. F/313/B(U)F-96, Rev. Jbb, with the following conditions:

- (1) Content No. 11h is prohibited;
- (2) For Content Nos. 11a thru 11g transported either by land or sea, the maximum mass of uranium, the maximum enrichment in uranium-235 (^{235}U), the allowable containment diameter and the presence of hydrogen-bearing materials having a hydrogen content greater than water shall be as allowed in French Package Design Certificate No. F/313/B(U)F-96;
- (3) For Content Nos. 11a thru 11g, the transport of reprocessed uranium is prohibited;
- (4) For Content Nos. 11a thru 11g, the transport of uranium carbides (UC , UC_2 , and U_2C_3) and uranium nitrides (UN , U_2N_3 , and UN_2) is prohibited;
- (5) For Content Nos. 11a thru 11g, the mass of water and the equivalent mass of other hydrogenous materials must not exceed 2000 grams per package;
- (6) For Content Nos. 11a thru 11g, the maximum allowable fissile mass is 5 kg when transported by air;
- (7) Air transport of plutonium is prohibited unless the contents meet the regulatory requirements of 10 CFR 71.88(a)(1) to (4).

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- (8) For Content No. 26, the maximum number of TRIGA fuel elements per package is not to exceed 5 standard elements or 23 thin elements, where standard and thin elements are defined in F/313/B(U)F-96 26bb, Appendix 26, Content No. 26. The total mass of cardboard must not exceed 1200 grams, the moisture content of the wood components must not exceed 10 percent, and the total water content (including moisture content of the wood and water equivalent in the form of cardboard) must not exceed 2900 grams per package. No other hydrogenous packaging materials are permitted within the package containment vessel.

If you have any questions regarding this matter, you may contact me at (301) 415-7493 or you may contact Chris Allen at (301) 415-6877.

Sincerely,

/RA Jose Cuadrado Acting for/

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

Docket No. 71-3034
TAC No. L25037

Enclosure: Safety Evaluation Report

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