

November 20, 2008

Mr. B. K. Miles
Division of Naval Reactors
U.S. Department of Energy
Washington, DC 20585

SUBJECT: APPLICATION FOR AMENDMENT OF CERTIFICATE OF COMPLIANCE
NO. 6386 FOR THE MODEL NO. 235R001 PACKAGE – REQUEST FOR
ADDITIONAL INFORMATION

Dear Mr. Miles:

This refers to your application dated December 18, 2007, requesting an amendment to Certificate of Compliance No. 6386 for the 235R001 package, to authorize transport of S9G fuel and to modify the Criticality Safety Index for A1G fuel.

In connection with our review, we need the information identified in the enclosure to this letter. Additional information requested by this letter should be submitted in the form of revised pages. To assist us in scheduling staff review of your response, we request that you provide this information by January 31, 2009. If you are unable to provide a response by that date, our review may be delayed.

If you have any questions regarding this matter, we would be pleased to meet with you and your staff. I may be contacted at (301) 492-3326.

Sincerely,

/RA/

Nancy L. Osgood, Senior Project Manager
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-6386
TAC No. L24182

Enclosure: Request for Additional Information

Mr. B. K. Miles
Division of Naval Reactors
U.S. Department of Energy
Washington, DC 20585

SUBJECT: APPLICATION FOR AMENDMENT OF CERTIFICATE OF COMPLIANCE
NO. 6386 FOR THE MODEL NO. 235R001 PACKAGE – REQUEST FOR
ADDITIONAL INFORMATION

Dear Mr. Miles:

This refers to your application dated December 18, 2007, requesting an amendment to Certificate of Compliance No. 6386 for the 235R001 package, to authorize transport of S9G fuel and to modify the Criticality Safety Index for A1G fuel.

In connection with our review, we need the information identified in the enclosure to this letter. Additional information requested by this letter should be submitted in the form of revised pages. To assist us in scheduling staff review of your response, we request that you provide this information by January 31, 2009. If you are unable to provide a response by that date, our review may be delayed.

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REQUEST FOR ADDITIONAL INFORMATION
Model No. 235R001 Package
Docket No. 71-6386
Certificate of Compliance No 6386

By application dated December 18, 2007, Division of Naval Reactors, U.S. Department of Energy, requested an amendment of Certificate of Compliance No. 6386 for the Model No. 235R001 package. This request identifies additional information needed by the Nuclear Regulatory Commission staff in connection with its review of the application. The requested information is listed by chapter number and title in NUREG-1609, "Standard Review Plan for Transportation Packages," which was used by the staff in its review of the application. This request describes information needed by the staff for it to complete its review of the application and to determine whether the applicant has demonstrated compliance with regulatory requirements.

2. STRUCTURAL

2-1 Clarify the allowable stress strain limits as described for Normal Conditions of Transport.

In Section 2.1.2.1 of the application, "Allowable Stress/Strain Limits," the text states that for closed form calculations as well as finite element analysis, the primary membrane and primary membrane plus bending stress intensity and stresses calculated via FEA are limited to the yield stress of the material. However, Appendix 2.10.1, pp. 2.10.1.1, states, "This reaction load results in some localized yielding..." A range of plastic strains are then described. Given that the acceptance criteria only allow for elastic stresses, the staff is unclear as to why Appendix 2.10.1 deviates from and provides alternate acceptance criteria for Normal Conditions of Transport.

This information is needed to determine compliance with 10 CFR 71.71(c)(7).

2-2 Provide relevant references which describe the lifting and tiedown devices used, as well as supporting calculations that demonstrate that the lifting and tie down standards for the package are satisfied, or clarify why they are not subject to the requirements of 10 CFR 71.45.

The applicant points to external references for lifting and tiedown devices and systems, as well as an external reference which evaluates compliance. These [excerpted] references have not been provided.

This information is needed to determine compliance with 10 CFR 71.45.