

May 24, 2006

Mr. Marc-André Charette
Manager, Regulatory Affairs
MDS Nordion
447 March Road
Ottawa, ON K2K 1X8
Canada

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9290 FOR THE MODEL NO.
F-430/GC-40 PACKAGE

Dear Mr. Charette:

As requested by your application dated April 21, 2006, enclosed is Certificate of Compliance (CoC) No. 9290, Revision No. 3, for the Model No. F-430/GC-40 package. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's Safety Evaluation Report is also enclosed.

MDS Nordion has been registered as the user of the package under the general license provisions of 10 CFR 71.17 or under the provisions of 49 CFR 173.471. 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.

If you have any questions regarding this certificate, please contact me or Mr. José R. Cuadrado of my staff at (301) 415-8500.

Sincerely,

/RA/ by Christopher Reagan Acting For/

Robert A. Nelson, Chief
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9290
TAC No. L23967

Enclosures: 1. Certificate of Compliance No. 9290, Rev. No. 3
2. Safety Evaluation Report

cc w/encl: R. Boyle, Department of Transportation
J. Shuler, Department of Energy
RAMCERTS

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DATE	5/19/06		5/22/06		5/24/06					

C = COVER

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SAFETY EVALUATION REPORT

Docket No. 71-9290
Model No. F-430/GC-40 Package
Certificate of Compliance No. 9290
Revision No. 3

SUMMARY

By application dated April 21, 2006, MDS Nordion requested an amendment to Certificate of Compliance (CoC) No. 9290, for the Model No. F-430/GC-40 package. MDS Nordion requested to revise pages of the Safety Analysis Report (SAR) for the F-430/GC-40 package. Based on the statements and representations in the application, the staff agrees that the changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

EVALUATION

The applicant requested a change to MDS Nordion Report IN/TR 1608 F430 (2f), "Safety Analysis Report for F430/GC-40 Transport Package." The change is discussed below:

- Appendix 9.2, Section 5.4, Table 5.2, was revised to incorporate a lower compressive strength perpendicular to the direction of the foam rise for the package's high density foam.

The applicant determined that the revision of the foam specifications does not impact the performance of the package. The applicant determined that the strength of the high density foam is equal regardless of the direction of the crush (parallel or perpendicular to rise). The fire retardant properties of the foam are not changed, nor is the structural performance of the package affected by the revision of the high density foam compressive strength. The package's drop testing results showed that the impact energy was absorbed by the package's outer shell and the layer of light density foam. The high density foam was not affected during the drop tests. The staff reviewed the drop testing results and the proposed revision to the foam's specification, and it agrees with the applicant's assessment that the revision does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

In addition to these changes, the staff has revised the following conditions of the certificate:

- Previous Condition No. 8 was renumbered as Condition No. 9. A new Condition No. 8 was added to authorize the use of the previous revision of the certificate up to the expiration date stated in Revision No. 3.
- Condition No. 7 was revised to remove references to the previous version of the general license provisions of 10 CFR Part 71.
- The references section was revised to include the April 21, 2006, submittal.

The changes made by the staff are administrative in nature, and do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

CONCLUSION

Certificate of Compliance No. 9290 for the Model No. F-430/GC-40 package has been revised to incorporate the requested changes to the Safety Analysis Report.

Based on the statements and representations in the application, the staff has concluded that the changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9290, Revision No. 3,
on May 24, 2006.