

May 7, 2007

Mr. Robert Grubb
Transnuclear
7135 Minstrel Way, Suite 300
Columbia, MD 21045

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9233, REV. 8, FOR THE MODEL
NO. TN-RAM PACKAGE

Dear Mr. Grubb:

As requested by your application dated May 4, 2007, enclosed is Certificate of Compliance No. 9233, Revision No. 8, for the Model No. TN-RAM package. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's Safety Evaluation Report is also enclosed.

Those on the attached list have been registered as users of the package under the general license provisions of 10 CFR 71.17 or 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 Nancy Osgood of my staff at (301) 492-3300.

Sincerely,

/RA/
Robert A. Nelson, Chief
Licensing Branch
Division of Spent Fuel Storage
and Transportation
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9233
TAC No. L24081

- Enclosures: 1. Certificate of Compliance
No. 9233, Rev. No. 8
2. Safety Evaluation Report
3. Registered Users List
- cc w/encls 1&2: R. Boyle, Department of Transportation
J. Shuler, Department of Energy

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Filename: C:\FileNet\ML071280662.wpd and 71-9233.r8 **ML071280653**

OFC	SFST	E	SFST		SFST	
NAME	NLOsgood		MRDeBose		RANelson	
DATE	5/7/07		5/7/07		5/7/07	

C=Without attachment/enclosure E=With attachment/enclosure N=No copy **OFFICIAL RECORD COPY**

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SAFETY EVALUATION REPORT
Model No. TN-RAM Package
Docket No. 71-9233
Certificate of Compliance No. 9233
Revision No. 8

SUMMARY

By application dated May 4, 2007, Transnuclear requested an amendment to Certificate of Compliance No. 9233, for the Model No. TN-RAM package. Transnuclear requested that the packaging O-rings be revised to include a generic description of the O-ring material in lieu of a company-specified product. Transnuclear submitted revised packaging drawings that clarify that the O-ring material may be equivalent to a company-specified material, and provided the basis for determining the equivalency. The Certificate has been amended as requested by the application. This change does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

EVALUATION

By application dated May 4, 2007, Transnuclear requested an amendment to Certificate of Compliance No. 9233, for the Model No. TN-RAM package. Transnuclear requested that the packaging O-rings be revised to include a generic description of the O-ring material in lieu of a company-specified product. Transnuclear submitted revised packaging drawings that clarify that the O-ring material must be equivalent to a company-specified material, and provided the basis for determining the equivalency.

Previously the packaging drawings specified that the containment O-ring seals (including port seals) were Parker O-rings, made of silicone compound number S604-70. The applicant stated that, although the safety analysis report described using equivalent O-rings, the packaging drawings specified the Parker item number, as well as the compound number. The applicant requested that the packaging drawings be clarified to show that equivalent O-rings are authorized. The applicant provided a revised page for Chapter 3 of the Safety Analysis Report that clarifies the equivalency criteria for the O-ring material, including durometer, service temperature range, and percent elongation. The applicant provided revised packaging drawings that clarify that the O-rings must be made of silicone equivalent to Parker O-ring compound S604-70.

The staff reviewed the request and found that the use of silicone O-rings that have equivalent properties to the Parker compound is acceptable.

CONCLUSION

The Certificate of Compliance has been amended to reference the revised packaging drawings that allow O-rings of an equivalent silicone material. In addition, the references section of the Certificate was revised to clarify that the consolidated package application was dated March 8, 2005, not December 2, 2004, which was the date previously specified. These changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9233
Revision No. 8 on May 7, 2007.