

October 26, 2012

Mr. Anthony L. Patko
NAC International
3930 East Jones Bridge Road, Suite 200
Norcross, GA 30092

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9270, REVISION NO. 4, FOR THE
MODEL NO. NAC-UMS UNIVERSAL TRANSPORTATION PACKAGE

Dear Mr. Patko:

As requested by your application dated September 19, 2012, enclosed is Certificate of Compliance No. 9270, Revision No. 4, for the Model No. NAC-UMS Universal Transportation Package. Changes made to the enclosed certificate are indicated by vertical lines in the margin. 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.

If you have any questions regarding this certificate, please contact me or Huda Akhavannik of my staff at (301) 492-3273.

Sincerely,

/RA/

Michael D. Waters, Chief
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9270
TAC No. L24685

Enclosures: 1. Certificate of Compliance
No. 9270, Rev. No. 4
2. Safety Evaluation Report

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

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Closes L24685

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ADAMS P8 Package No.: **ML12306A440**; Letter No.:

OFC	SFST	E	SFST	SFST
NAME	HAkhavannik		MDeBose	BHWhite for MWaters
DATE	10/23/12		10/24/12	10/26/2012

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

SAFETY EVALUATION REPORT
Docket No. 71-9270
NAC-UMS Universal Transportation Package
Certificate of Compliance No. 9270
Revision No. 4

SUMMARY

By application dated September 19, 2012, NAC International, requested renewal of Certificate of Compliance (CoC) No. 9270, for the Model No. NAC-UMS Universal Transportation Package. The certificate has been renewed for a 5- year term that expires on October 31, 2017.

EVALUATION

By application dated September 19, 2012, NAC International, requested renewal of Certificate of Compliance No. 9270, for the Model No. NAC-UMS Universal Transportation Package.

The NAC-UMS Universal Transportation Package is approved to ship pressurized-water reactor spent nuclear fuel from Maine Yankee with a maximum burn-up no greater than 50 GWd/MTU. Given staff's concerns with the effects of hydride reorientation on high burn-up spent fuel rods as described in Interim Staff Guidance (ISG) 11, Rev. 3, staff has not yet stated a position on the continued approval of transportation packages shipping this content. In the CoC, condition 5.(b)(1)(iii)(B) requires that the high burn-up fuel meet certain requirements or else must be considered damaged fuel. In place of trying to meet the requirements, Maine Yankee considered the fuel as damaged and canned the fuel, thus alleviating the concerns in ISG-11.

The staff reviewed the documents referenced in the certificate and determined that the documentation was available and complete.

CONDITIONS

The following changes have been made to the certificate of compliance:

Condition No. 10 has been updated to reflect an expiration date of October 31, 2017.

The references section has been updated to include this renewal request.

Minor formatting changes have been made; however, no text beyond what is described above has been changed.

CONCLUSION

The certificate has been renewed for a 5-year term that expires on October 31, 2017. This change does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9270, Revision No. 4, on October 26, 2012.