

June 24, 2005

Mark Stansberry  
Sr. Cask Engineer  
RWE NUKEM Corporation  
3800 Fernandina Road, Suite 200  
Columbia, SC 29210-3854

SUBJECT: MODEL NO. 3-82B PACKAGE

Dear Mr. Stansberry:

As requested by your application dated May 13, 2005, enclosed is Certificate of Compliance No. 6574, Revision No. 30, for the Model No. 3-82B package. This certificate supersedes, in its entirety, Certificate of Compliance No. 6574, Revision No. 29, dated July 12, 2004. 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. Those on the enclosed list have been registered as users of the package under the general license provisions of 10 CFR 71.17 or under the provisions of 49 CFR 173.471.

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

Sincerely,

/RA By Stewart Brown Acting For/

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

Docket No. 71-6574  
TAC No. L23848

Enclosures: 1. CoC. No. 6574, Rev. 30  
2. Safety Evaluation Report  
3. Registered Users

cc w/encl: R. Boyle, Department of Transportation  
James M. Shuler, Department of Energy  
RAMCERTS  
Registered Users

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SAFETY EVALUATION REPORT  
Docket No. 71-6574  
Model No. 3-82B Package  
Certificate of Compliance No. 6574  
Revision No. 30

## SUMMARY

By application dated May 13, 2005, RWE NUKEM Corporation (RNC) requested an amendment to Certificate of Compliance No. 6574, for the Model No. 3-82B package. RNC requested approval for revision to Drawing No. STD-02-076, Sheets 1 through 3, specified in Condition 5(a)(3) of the certificate. The drawing revision incorporates an enlarged diameter hole to one of the three package lift lugs; the hole is increased from 1.88 inches to 2.2 inches. No change to the packaging contents was requested. Based on the statements and representations in the application, as supplemented, the staff agrees that the changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

## GENERAL INFORMATION

The Model No. 3-82B package drawings specify that each hole of the three lifting lugs have a diameter of 1.88 inches. The applicant requested a revision to the drawings to incorporate an enlarged diameter hole to one of the three package lift lugs; the hole is increased from 1.88 inches to 2.2 inches.

## EVALUATION

The applicant evaluated the shipment of the package with an increased hole size in one of the three lifting lugs. The applicant performed an evaluation consistent with that presented in Section 2.10.3 of the Safety Analysis Report. The evaluation showed that the package could still be lifted within acceptable safety margins, even with the modification to the one lift lug. Staff reviewed the evaluation, and performed an independent calculation which confirmed the applicant's conclusion.

## CONCLUSION

The Certificate of Compliance (CoC) has been revised to include RWE NUKEM Corporation, Drawing No. STD-02-076, Sheets 1 through 3, Revision 8, specified in Condition 5(a)(3) of the certificate. The drawing revision incorporates an enlarged diameter hole to one of the three package lift lugs; the hole is increased from 1.88 inches to 2.2 inches. Minor editorial changes were also made to the CoC, to reflect the current requirements in 10 CFR Part 71. 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.

Issued with Certificate of Compliance No. 6574, Revision No. 30,  
on June 24, 2005.