

September 27, 2006

Mr. Richard L. Byars  
Director, Regulatory Compliance  
NUKEM Corporation  
3800 Fernandina Road, Suite 200  
Columbia, SC 29210-3854

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9208 FOR THE MODEL NO. 10-142  
PACKAGE

Dear Mr. Byars:

As requested by your application dated September 6, 2006, enclosed is Certificate of Compliance No. 9208, Revision No. 16, for the Model No. 10-142 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. Those on the enclosed list have been registered as users of the package under the general license provisions of 10 CFR 71.17 or 49 CFR 173.471. Registered Users may request by letter to remove their names from the Registered Users List.

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

Sincerely,

/RA/

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

Docket No. 71-9208  
TAC No. L24014

Enclosures: 1. Certificate of Compliance  
No. 9208, Rev. No. 16  
2. Safety Evaluation Report

3. Registered Users List

cc w/encls 1 & 2: R. Boyle, Department of Transportation  
J. Shuler, Department of Energy  
RAMCERTS  
Registered Users

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OFC:	SFPO	SFPO	SFPO							
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<b>NAME:</b>	JGlenny	MDeBose	RNelson			
<b>DATE:</b>	09/26/06	09/26/06	09/27/06			

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**E = COVER & ENCLOSURE**

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SAFETY EVALUATION REPORT  
Model No. 10-142 Package  
Certificate of Compliance No. 9208  
Revision No. 16

## SUMMARY

By application dated September 6, 2006, NUKEM Corporation (NUKEM) submitted an amendment request for the Model No. 10-142 package. NUKEM requested a company name change to Certificate of Compliance No. 9208. NUKEM did not request any changes to the package design or its contents.

## EVALUATION

By application dated September 6, 2006, NUKEM Corporation requested an amendment to reflect a name change in the certificate. RWE NUKEM Corporation changed its name to NUKEM Corporation. Item 3.a in the certificate has been revised to show this change. No other changes were requested to either the certificate or the package design and contents.

Condition No. 9(d) and 11, were revised for clarity and to minimize wording in the certificate.

The certificate was revised to include Condition No. 12, which authorizes the use of the previous revision of the certificate for a period of approximately one year. As a consequence of the new Condition No. 12, the previous Condition No. 12, was renumbered 13.

## CONCLUSION

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. 9208, Revision No. 16,  
on September 27, 2006.