

September 29, 2005

Capt. Clint E. Abell, USAF, BSC  
Health Physicist  
Department of the Air Force  
AFMSA/SGPR  
110 Luke Ave Room 405  
Bolling AFB, DC 20032-7050

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 5862 FOR THE MODEL NO. SENTINEL-100F PACKAGE

Dear Capt. Abell:

As requested by your application dated August 30, 2005, enclosed is Certificate of Compliance No. 5862, Revision No. 9, for the Model No. Sentinel-100F package. This certificate supersedes in its entirety, Certificate of Compliance No. 5862, Revision No. 8, dated October 6, 2000. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's Safety Evaluation Report is also enclosed.

The Department of the Air Force is registered as the certificate holder for this package. 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 Jessica Umana of my staff at (301) 415-8500.

Sincerely,

/RA/

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

Docket No. 71-5862

Enclosures: 1. Certificate of Compliance  
No. 5862, Rev. No. 9  
2. Safety Evaluation Report

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

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SAFETY EVALUATION REPORT  
Docket No. 71-5862  
Model No. Sentinel-100F  
Certificate of Compliance No. 5862  
Revision No. 9

## SUMMARY

By application dated August 30, 2005, the Department of the Air Force requested renewal of Certificate of Compliance No. 5862, for the Model No. Sentinel-100F package. The Department of the Air Force did not request any changes to the package design or authorized contents. The certificate has been renewed for a term expiring October 1, 2008.

## EVALUATION

The Department of the Air Force requested renewal of Certificate of Compliance No. 5862 on August 30, 2005. The Department of the Air Force did not request any changes to the package design or authorized contents.

Condition No. 8 of the certificate was revised to clarify that the package is approved for use under the general license provisions of 10 CFR 71.17. This change is due to a revision in the numbering of the sections in 10 CFR Part 71, that became effective on October 1, 2004 (69 FR 3698).

Condition No. 9 was changed to reflect the new expiration date. In accordance with 10 CFR 71.19(a)(3), packages designated Type B( ) are no longer authorized for use after October 1, 2008.

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

## CONCLUSION

The certificate has been renewed for a term expiring October 1, 2008. 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. 5862, Revision No. 9 on September 29, 2005.