

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~

August 22, 2017

Dr. James M. Shuler  
Manager, DOE Packaging  
Certification Program  
U.S. Department of Energy  
Office of Packaging and Transportation  
EM-4.24, 270 CC- Rm 3113  
1000 Independence Ave., SW  
Washington, DC 20585

SUBJECT: REVISION NO. 19 OF CERTIFICATE OF COMPLIANCE NO. 5797

Dear Dr. Shuler:

As requested by your letter dated June 27, 2017, enclosed is Certificate of Compliance No. 5797, Revision No. 19, for the Model No. Inner and Outer HFIR Unirradiated Fuel Element Shipping Containers. Changes made to the certificate are indicated by vertical lines in the margin. The staff's safety evaluation report is also enclosed.

This 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 Pierre Saverot of my staff at (301) 415-7505.

Sincerely,

**/RA/**

John McKirgan, Chief  
Spent Fuel Licensing Branch  
Division of Spent Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 71-5797  
CAC No. L25236

Enclosures:

1. CoC No. 5797, Rev. No. 19
2. Safety Evaluation Report
3. Registered Users

Upon removal of Enclosure 3, this document is uncontrolled

cc w/encls. 1 & 2:  
R. Boyle, Department of Transportation

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SUBJECT: REVISION NO. 19 OF CERTIFICATE OF COMPLIANCE NO. 5797, DOCUMENT  
DATE: AUGUST 22, 2017

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**ADAMS PKG: ML17234A280 ADAMS Letter & SER No.: ML17234A281**

**Enclosure 1: CoC-ML17234A282 Enclosure 3: Registered Users-ML17234A284**

E=With attachment/enclosure

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|------|------------|---|-----------|---|--------------------------|---|
| NAME | PSaverot   |   | SFIGueroa |   | BHWhite for<br>JMcKirgan |   |
| DATE | 08/14/2017 |   | 8/21/17   |   | 8/22/17                  |   |

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## **SAFETY EVALUATION REPORT**

### **MODEL NO. INNER AND OUTER HFIR UNIRRADIATED FUEL ELEMENT SHIPPING CONTAINERS**

**Certificate of Compliance No. 5797  
Revision No. 19**

#### **SUMMARY**

By application dated June 27, 2017, the U.S. Department of Energy (the applicant) submitted a request for renewal of Certificate of Compliance (CoC) No. 5797 for the Inner and Outer HFIR Unirradiated Fuel Element Shipping Containers. The submittal included minor updates to the drawings.

The certificate has been renewed for a five year term expiring on October 31, 2022.

#### **EVALUATION**

By letter dated June 27, 2017, the applicant submitted a renewal request, meeting the timely renewal requirements of 10 CFR 71.38(b), for CoC No. 5797.

The general design of the packages was not modified. The applicant requested minor editorial corrections to the CoC to identify Oak Ridge National Laboratory (ORNL) as the drawing owner rather than the management and operating contractor at the time the drawings were issued. It is noted that both ORNL and the management and operating contractor were identified on the respective drawings.

The applicant acknowledged the need for a consolidated application in view of the number of supplements previously submitted. In accordance with 10 CFR 71.38(c), a consolidated application will have to be submitted for any future licensing action pertaining to this package.

The staff reviewed the changes requested by the applicant, and finds that they do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

#### **CONDITIONS**

The conditions specified in the Certificate of Compliance No. 5797 have been revised as indicated below:

Condition No. 5(a)(3)(i) was modified to identify the new drawing owner.

Condition No. 5(a)(3)(ii) was modified to identify the new drawing owner.

Condition No. 6 was modified to identify the new drawing owner.

Condition No. 11 was modified to allow continued use of the previous revision up to the expiration date of the certificate.

Condition No. 12, previously numbered 11, has been updated to reflect the new expiration date of the certificate of October 31, 2022.

The references section includes the June 27, 2017, amendment request submittal.

## **CONCLUSION**

Based on the statements and representations in the application, as supplemented, and the conditions listed above, the staff concludes that the design has been adequately described and evaluated and meets the requirements of 10 CFR Part 71.

The certificate has been renewed for a five year term that expires on October 31, 2022.

Issued with Certificate of Compliance No. 5797, Revision No. 19,  
on August 22, 2017.