



Department of Energy
Washington, DC 20585

April 24, 2020

MEMORANDUM FOR ROBERT D. BOSTON
MANAGER
IDAHO OPERATIONS OFFICE

FROM:

JULIA C. SHENK Digitally signed by Julia C. Shenk
Date: 2020.04.24 09:15:56 -0400
HEADQUARTERS CERTIFYING OFFICIAL
DIRECTOR
OFFICE OF PACKAGING AND TRANSPORTATION

SUBJECT:

Amendment to DOE Certificate of Compliance No. 9516 to Authorize Use of the Model 9516 Packaging for Shipment of Legacy F-5 General-Purpose Heat Source Fueled Clad Assemblies

In response to the email request from Carl Friesen, Idaho Operations Office, to Dr. James Shuler dated December 12, 2019, as supplemented February 27, 2020, Department of Energy Certificate of the Compliance (CoC) Number 9516, Revision 5 (under timely renewal) and Revision 6 (upon issuance) are amended to authorize use of the Model 9516 packaging for shipment of 24 legacy F-5 General-Purpose Heat Source (GPHS) Fueled Clad Assemblies (FCA), based on this memorandum and its attached Safety Evaluation Report, subject to the following conditions:

1. The contents must be packaged in the Containment Vessel (CV) based on CoC Shipping Configuration 2 – GPHS Graphite Impact Shell (GIS) as follows:
 - a. Two 5.75 inch tall liners, with each liner containing one product can and one graphite support block, and a graphite filler block between the two liners.
 - b. Each product can would contain one GPHS GIS with two legacy F-5 GPHS FCAs, bringing the total per CV to two GPHS GISs, each with 2 legacy F-5 GPHS FCAs.
2. CoC Condition 2 is superseded by the following: Shipments of F-5 GPHS FCAs must be completed before the age of the processed plutonium dioxide (PuO_2) exceeds 540 months from the time of processing the PuO_2 to ensure the CV pressure limit is not exceeded during the Normal Conditions of Transport.
3. This authorization shall expire on March 31, 2022.
4. All other conditions of the certificate apply to this authorization.

If you have any questions, please contact me or Dr. Shuler at (301) 903-5513.

Attachment

cc: Carl Friesen, ID
Stephen G. Johnson, INL
Greg Hula, INL
Yung Liu, ANL
James Shuler, EM-4.24