



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

**SAFETY EVALUATION REPORT**

**Docket No. 71-9228**  
**Model No. 2000**  
**Certificate of Compliance No. 9228**  
**Revision No. 29**

**SUMMARY**

By application dated June 10, 2022 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML22161A957), as supplemented on November 17, 2022 (ADAMS Accession No. ML22321A112), GE-Hitachi Nuclear Energy Americas, LLC (GEH) requested renewal of Certificate of Compliance No. 9228 for the Model No. 2000 shipping package. GEH made only editorial and administrative changes to the safety analysis report. GEH did not request any changes to the package design or authorized contents. The certificate has been renewed for a five year term.

**1.0 GENERAL INFORMATION**

GEH updated Quality Assurance Program references in safety analysis report sections 1.1 and 1.4 to identify the most recent version approved by the NRC. In addition, GEH added text to the section 1.2.2.1 description of metallic alloys. Staff reviewed these changes and determined that they are administrative and editorial in nature. GEH did not request any changes to the package design or authorized contents. Based on a review of the statements and representations in the application, the staff concludes that the package has been adequately described to meet the requirements of 10 CFR Part 71.

**2.0 STRUCTURAL**

The staff reviewed the proposed changes and determined that they did not impact previous SER findings regarding the package structural design. Therefore, the staff finds that a new evaluation is not needed.

**3.0 THERMAL EVALUATION**

The staff reviewed the proposed changes and determined that they did not impact previous SER findings regarding the package thermal design. Therefore, the staff finds that a new evaluation is not needed.

**4.0 CONTAINMENT EVALUATION**

The staff reviewed the proposed changes and determined that they did not impact previous SER findings regarding the package containment design. Therefore, the staff finds that a new evaluation is not needed.

## **5.0 SHIELDING EVALUATION**

GEH added text to the safety analysis report section 5.2 description of metallic alloys. Staff reviewed these changes and determined that they are editorial in nature. Therefore, the staff finds that a new evaluation is not needed.

## **6.0 CRITICALITY EVALUATION**

The staff reviewed the proposed changes and determined that they did not impact previous SER findings regarding the package criticality design. Therefore, the staff finds that a new evaluation is not needed.

## **7.0 MATERIALS EVALUATION**

The staff reviewed the proposed changes and determined that they did not impact previous SER findings regarding the package material design. Therefore, the staff finds that a new evaluation is not needed.

## **8.0 PACKAGE OPERATIONS**

While reviewing the safety analysis report operating procedures, staff noted that operational information was missing and discussed this with GEH on October 26, 2022 (ADAMS Accession No. ML22335A433). GEH supplemented their application on November 17, 2022 (ADAMS Accession No. ML22321A112). Staff confirmed that the missing operational information had been adequately incorporated. Based on a review of the statements and representations in the application, the staff concludes that the package operations have been adequately described to meet the requirements of 10 CFR Part 71.

## **9.0 ACCEPTANCE TESTS AND MAINTENANCE PROGRAM REVIEW**

GEH updated Quality Assurance Program references in safety analysis report sections 8.1, 8.1.1 and 8.4 to identify the most recent version approved by the NRC. Staff reviewed these changes and determined that they are administrative in nature. Therefore, the staff finds that a new evaluation is not needed.

## **CONCLUSION**

GEH made administrative and editorial changes to the safety analysis report but did not request any changes to the package design or authorized contents. The staff reviewed the documents referenced in the certificate and determined that the documentation was available and complete. In addition, the certificate of compliance is revised to update the revision number, remove unnecessary change bars, and make editorial changes.

The certificate has been renewed for a five year term that expires on March 31, 2028. 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. 9228, Revision No. 29, on December 1, 2022