



HITACHI

GE Hitachi Nuclear Energy

Proprietary Notice

This letter transmits proprietary information in accordance with 10 CFR 2.390. Upon removal of Enclosure 1, the balance of the letter may be considered non-proprietary.

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M230101

July 26, 2023
U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555-0001

Subject: Part 21 Final Report Notification: Failure of the CRD Collet Retainer Tube/Outer Tube Weld (SC-23-01)

This letter provides the GE Hitachi Nuclear Energy Americas LLC's (GEH) final report regarding a 10 CFR Part 21 evaluation. GEH was notified of the discovery of a 360° failure of a Control Rod Drive (CRD) collet retained tube fillet weld on a CRD recently removed from a domestic plant. The weld failure allowed for significant movement of the retainer tube up the outside of the Cylinder, Tube and Flange's (CTF) outer tube and spacer which adversely affected the CRD's operation.

The information required for this GEH Final Report Notification per §21.21 (a)(2) is attached as Enclosure 1. Please note that Enclosure 1 contains proprietary information of the type that GEH maintains in confidence and withholds from public disclosure. The information has been handled and classified as proprietary to GEH as indicated in its affidavit, which is also included in the report. The affidavit contained in Enclosure 3 identifies that the information contained in Enclosure 1 has been handled and classified as proprietary to GEH. GEH hereby requests that the information in Enclosure 1 be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17.

Enclosure 1 is the proprietary version of the Part 21 Final Report Notification: Failure of the CRD Collet Retainer Tube/Outer Tube Weld (SC-23-01) and Enclosure 2 is a non-proprietary version. Enclosure 3 contains the affidavit for the Part 21 Final Report Notification: Failure of the CRD Collet Retainer Tube/Outer Tube Weld (SC-23-01).

Please note that because of document control conventions, the interim SC 23-01 is indicated as Revision 0 and the final SC 23-01 is indicated as Revision 1.

Please contact me if there are any questions.

Sincerely,

Michelle P. Catts

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Enclosures:

1. Final Report Notification Information per §21.21(a)(2) and Safety Communication-GEH Proprietary Information – Non-Public
2. Final Report Notification Information per §21.21(a)(2) and Safety Communication-Non-Proprietary Information
3. Affidavit dated July 2023

cc: E. Lenning, USNRC NRR/DORL/LLPB
G. George, USNRC NRR/DORL/LLPB
K Kavanagh, USNRC Chief, QA and Vendor Inspection
R. Lorson, USNRC Region I Administrator
L. Dudes, USNRC Region II Administrator
J. Giessner, USNRC Region III Administrator
R. Lewis, USNRC Region IV Administrator (Acting)
PLM Spec 007N9760

Document Components:

001 M230101 Cover Letter.pdf
002 M230101 Enclosure 1 Proprietary.pdf
003 M230101 Enclosure 2 Non-Proprietary.pdf
004 M230101 Affidavit.pdf