



December 2, 2024  
L-2024-197  
10 CFR 21.21 (d)(3)(ii)

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Seabrook Station  
Renewed Facility Operating License No. NPF-86  
NRC Docket No. 50-443

Subject: Final Report of a Deviation Associated with a Defect of 2 GE Hitachi CR120B Relays

Reference: Event Notification #57424 dated November 14, 2024, Interim Report of a deviation associated with a GE Hitachi Relay CR120B (ADAMS Accession No. ML24320A089)

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) Part 21, Reporting of Defects and Noncompliance, NextEra Energy Seabrook, LLC is providing the required written notification of a defect in a basic component associated with CR120B Relays supplied by GE Hitachi. The enclosure to this letter provides the information required in 10 CFR 21.21 (d)(4).

There are no regulatory commitments contained in this letter. Should you have any questions concerning this submittal, please contact Maribel Valdez, Fleet Licensing Manager, at (561) 904-5164.

Respectfully,

A handwritten signature in black ink, appearing to read "Kenneth Mack".

Kenneth Mack  
Director, Licensing and Regulatory Compliance

Enclosure: Part 21 Notification of GE Hitachi CR120B Relay

Cc: NRC Regional Administrator- Region I  
NRC Senior Resident Inspector – Seabrook Station  
NRC Project Manager – Seabrook Station

**ENCLOSURE  
SEABROOK STATION (SBK)  
PART 21 NOTIFICATION OF GE Hitachi CR120B RELAY**

- (i) Name and address of the individual or individuals informing the Commission:

Mr. David Sluszka  
Vice President, Seabrook Station  
NextEra Energy Seabrook, LLC  
626 Lafayette Road  
P.O. Box 300  
Seabrook, NH 03874

- (ii) Identification of the facility, the activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect:

Seabrook Station  
Renewed Facility Operating Licensing Nos. NPF-86  
NRC Docket No. 50-443  
Basic Component: GE Hitachi, Relay Model CR-120B

- (iii) Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect:

Relay Supplier:  
GE-H WILMINGTON  
3901 Castle Hayne Road  
Wilmington, NC 28401

- (iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply:

As stated in the referenced Event Notification, a defect was found in 2 GE Hitachi relays CR120B (Model #DD945E118P0060) during pre-installation bench testing. During bench testing, the relays failed to energize and transfer all associated contacts. The relays were purchased from GE - Hitachi (GEH), as safety-related, GE CR120B relays. All GE CR-120B relays that were purchased in the same batch as the failed relays were located, quarantined and returned to GEH for forensic testing.

NextEra Energy Seabrook, LLC has concluded that this defect constitutes a Substantial Safety Hazard (SSH). An SSH exists because the nature of the defect was such that, if installed in certain safety-related applications and failed, it would have prevented the fulfillment of a safety function.

- (v) The date on which the information of such defect or failure to comply was obtained:

Discovery date: Seabrook Station determined a defect of the basic component that could create a substantial safety hazard existed on November 8, 2024.

- (vi) In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part:

Seabrook Station contracted with GE Hitachi to supply the CR120B relays for use in safety related systems. The defective CR120B relays were never installed at Seabrook Station before returning the parts to GE Hitachi.

- (vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action:

CR120B relays (Model #DD945E118P0060) were returned to GE Hitachi under PO 2475843, Shipping Notice 6570, and were not installed in the plant.

Future action - none.

- (viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees:

None.

- (ix) In the case of an early site permit, the entities to whom an early site permit was transferred:

Not applicable.