



BOSTON EDISON

Pilgrim Nuclear Power Station
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Ralph G. Bird
Senior Vice President — Nuclear

BECO 88- 130
September 6, 1988

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

License DPR-35
Docket 50-293

**NRC BULLETIN 88-03: INADEQUATE LATCH ENGAGEMENT
IN HFA TYPE LATCHING RELAYS MANUFACTURED BY
GENERAL ELECTRIC (GE) COMPANY**

Dear Sir:

NRC Bulletin 88-03 identified safety concerns associated with GE latching-type HFA relays installed in Class IE (safety-related) applications and requested licensees to perform inspections to ensure that all GE latching type HFA relays installed in Class IE applications have adequate latch engagement. Those relays which failed to meet acceptance criteria were to be repaired or replaced.

The Bulletin also requested that those licensees having latching type HFA relays subject to this Bulletin provide a letter of confirmation within 30 days of completion of inspections. This letter provides Boston Edison Company's response to that request, pursuant to the provisions of Section 182a of the Atomic Energy Act of 1954, as amended, including the provisions of 10CFR50.54(f).

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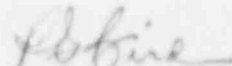
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Upon receipt of NRC Bulletin 88-03, Boston Edison initiated a review to determine whether GE latching-type HFA relays subject to this Bulletin have been installed in Class IE applications at the plant. This review concluded that seven (7) relays are installed in safety related applications, ten (10) relays are installed in non-safety related applications and four (4) are in the warehouse. The attachment provides details for safety-related relays and inspection results. The relays were inspected and tested in accordance with the GE SAL 190.1. Inspection and testing was completed on August 3, 1988.


R. G. Bird

Attachment

WGL/amm/2352

Commonwealth of Massachusetts)
County of Plymouth)

Then personally appeared before me, Ralph G. Bird, who being duly sworn, did state that he is Senior Vice President - Nuclear of Boston Edison Company and that he is duly authorized to execute and file the submittal contained herein in the name and on behalf of Boston Edison Company and that the statements in said submittal are true to the best of his knowledge and belief.

My commission expires:

4/16/93
DATE


NOTARY PUBLIC

cc: Mr. D. McDonald, Project Manager
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U. S. Nuclear Regulatory Commission
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Senior NRC Resident Inspector
Pilgrim Nuclear Power Station

ATTACHMENT TO BECO LETTER ON
BEKO RESPONSE TO NRC BULLETIN 88-03

Class IE Relays

In accordance with the requirements of the NRC Bulletin 88-03, Boston Edison Company has identified seven (7) latching type HFA relays which are in use in Class IE applications. The location and functions of the relays are identified below:

<u>Relay</u>	<u>Location</u>	<u>Drawing</u>	<u>Function</u>	<u>Model</u>
105A	Panel C6	E15	Load Shed Logic	12HFA54J187F
105B	Panel C6	E15	Load Shed Logic	12HFA54J187F
105C	Panel C6	E15	Load Shed Logic	12HFA54J187F
105D	Panel C6	E15	Load Shed Logic	12HFA54J187F
105E	Panel C6	E15	Load Shed Logic	12HFA54J187F
105F	Panel C6	E15	Load Shed Logic	12HFA54J187F
186-5X	Panel C5	E20	Shutdown Transformer Logic	12HFA54E63H

Inspection and Testing

Inspection and testing was performed as described in GE SAL 190.1 for proper gap width and latching engagement under the control of the Maintenance Request Program utilizing the applicable sections of PNPS Procedure 3.M.3-30. All of the listed relays passed the inspection and testing, with the exception of relay 105A. Relay 105A did not have adequate latch engagement. The problem was identified to be different than that addressed in GE SAL 190.1 and Bulletin 88-03. The relay had a slight latch assembly misalignment problem which was corrected. The relay repair plan was reviewed by the GE representative who also observed the repair and subsequent successful testing of the affected relay.

The final inspection and testing of the identified latching HFA relays used in Class IE applications was completed on August 3, 1988. The records of the inspection and corrective actions are documented and maintained in accordance with plant procedures for Class IE equipment.

Stock Relays

There were four (4) GE latching type HFA relays in stock with Model No 12HFA54E187H. These were modified, inspected and certified by GE for use in safety-related applications and a new model No. 12HFA154E22H was assigned by GE. Parts from one modified relay were used for repair of Class IE relay #105A. These HFA relays will be re-inspected and tested for gap distance and latch engagement prior to their use in safety-related applications.