



SEPTEMBER 22 1988

L-88-392

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

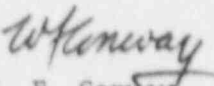
Gentlemen:

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
NRC Bulletin No. 88-03
Inadequate Latch Engagement in HFA TYPE Latching Relays
Manufactured by General Electric (GE) Company

By the subject Bulletin, the NRC staff requested that licensees perform inspections to ensure that all GE latching-type HFA relays installed in Class 1E (safety related) applications have adequate latch engagement and that those relays which fail to meet acceptance criteria be repaired or replaced.

The attached complete response to the Bulletin is provided pursuant to Section 182a of the Atomic Energy Act of 1954, as amended. If further information is required on this topic, please contact us.

Very truly yours,


W. F. Conway
Senior Vice President - Nuclear

WFC/GRM/cm

Enclosure

cc: Dr. J. Nelson Grace, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

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an FPL Group company

STATE OF FLORIDA)
) ss.
COUNTY OF PALM BEACH)

W. F. Conway being first duly sworn, deposes and says:

That he is Senior Vice President- Nuclear of Florida Power & Light Company,
the Licensee herein;

That he has executed the foregoing document; that the statements made in this
document are true and correct to the best of his knowledge, information, and
belief, and that he is authorized to execute the document on behalf of said
Licensee.

W. F. Conway

W. F. Conway

Subscribed and sworn to before me this

22 day of September, 1988.

Roberta S. Economy

NOTARY PUBLIC, in and for the County
of Palm Beach, State of Florida

Notary Public, State of Florida

My Commission Expires June 1, 1989

Bonded Thru Troy Fair - Insurance, Inc.

My Commission expires

Actions Requested:

Addressees should complete the actions described below for all latching-type HFA relays in Class 1E (safety-related) applications no later than restart following the next refueling outage scheduled to begin 30 days or more from receipt of this bulletin.

- 1) In accordance with the GE recommendations contained in Attachment 1, measure the distance between the top of the molded contact carrier and the top of the relay armature. This distance should be a minimum of 1/32 inch.
- 2) In accordance with the GE recommendation contained in Attachment 1, with the armature fully depressed against the pole piece, check to see if the latch is fully rotated by pulling up on the latch assembly. If the latch is fully rotated, there should be no more motion of the latch, since the latch should be held against the armature by spring tension.
- 3) Repair or replace any relay which fails the above inspections, such that the relay satisfies the GE criteria.
- 4) Inspect all existing spare HFA relays as above. Future spares received should be inspected prior to their installation if manufactured prior to November 1, 1987.

Action Taken:

Twenty (20) HFA relays of the type described by the bulletin were installed in safety-related systems. Inspections were performed on the relays using the criteria listed in Items 1 & 2 above. Seventeen (17) were type HFA-54E and four (4) failed to meet the criteria. The four failures were replaced with type HFA 154E Century Series models which were tested satisfactorily. The three remaining installed relays inspected were type HFA 154E and were tested satisfactorily. Final inspection results are as follows:

Seventeen (17) type HFA 54E were inspected with four (4) that failed due to latch motion with the latch fully rotated. (Item 2).

Seven (7) type HFA 154E were inspected with no failures.

Future spares received will be inspected prior to their installation if manufactured prior to November 1, 1987.