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 MARTIN,J.B. Region 5, Ofc of the Director

SUBJECT: Forwards response to NRC Bulletin 88-003, "Inadequate Latch Engagement in HFA Type Latching Relaying Mfg by GE."

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Southern California Edison Company

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January 17, 1990

R. M. ROSENBLUM
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U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region V
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Attention: Mr. John B. Martin, Regional Administrator

Dear Sir:

Subject: Docket No. 50-362
NRC Bulletin 88-03
San Onofre Nuclear Generating Station
Unit 2

- Reference 1) NRC Bulletin 88-03, "Inadequate Latch Engagement in HFA Type Latching relays Manufactured by General Electric (GE) Company," dated March 10, 1988.
- Reference 2) M. O. Medford (SCE) to J. B. Martin (NRC) letter dated August 22, 1988. Subject: Response to NRC Bulletin 88-03 for San Onofre Unit 3.
- Reference 3) F. R. Nandy (SCE) to J. B. Martin (NRC) letter dated June 15, 1989. Subject: Response to NRC Bulletin 88-03 for San Onofre Unit 1.

By Reference 1, the NRC requested that Southern California Edison (SCE) perform inspections of GE latching type HFA relays for inadequate latch engagement and insufficient latch spring tension. SCE completed these actions at Unit 2 as the equipment became available and finished during the last refueling outage. Provided as an enclosure are the results of SCE's inspection of the GE latching type HFA relays installed in Unit 2.

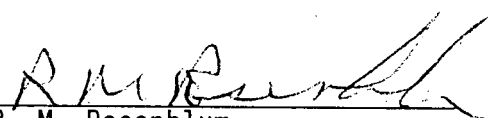
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15-11

January 17, 1990

By References 2 and 3 above, SCE previously submitted the results of inspections performed to satisfy the requirements of NRC Bulletin 88-03 for San Onofre Units 1 and 3. Therefore, by submittal of this letter, SCE has completed the reporting requirements of Bulletin 88-03 for all three San Onofre units with no further actions required.

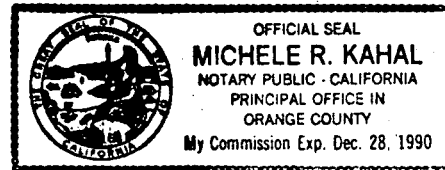
Respectfully submitted,

By:


R. M. Rosenblum
Manager of Nuclear Regulatory Affairs

Subscribed and sworn to before me this
17th day of January, 1990.

Michelle R. Kahal
Notary Public in and for the
State of California



Attachments

cc: U. S. Nuclear Regulatory Commission, Document Control Desk
C. Cadwell, NRC Senior Resident Inspector, SONGS 1, 2 and 3

RESPONSE TO NRC BULLETIN 88-03

A. SCE Report on GE Latching Type HFA Relay Inspections

In accordance with the reporting requirements of this bulletin, the following data includes the model number of the latching relay inspected, the number of relays of each type inspected, the number of each type requiring replacement due to interference between the molded contact carrier and the top of the relay armature, and the number of each type requiring replacement due to insufficient spring tension on the latch. The relay data includes all the latching type relays installed in San Onofre Unit 2. Spare relays stored in the warehouse and those installed at Units 1 and 3 have previously been inspected and the results transmitted to the NRC.

Summary of San Onofre Inspections

Unit 2 Relay Inspections

Relay Model	12HFA154E22H
Quantity	5
Passed Latch Interference Inspection	5
Passed Spring Tension Inspection	5

Relay Model	12HFA154E86H
Quantity	1
Passed Latch Interference Inspection	1
Passed Spring Tension Inspection	1

(This relay was later replaced by a qualified 12HFA154E22H relay)

* Relay Model	12HFA154E22H
Quantity	2
Passed Latch Interference Inspection	2
Passed Spring Tension Inspection	2

Replacement Relay Inspections

NONE REQUIRED

* Also previously reported with Unit 3 inspections since these two relays are the cross-ties between Units 2 and 3 (2A04 to 3A04 and 2A06 to 3A06).

B. SCE Report on Planned Inspections When Procuring Future GE HFA Relays

In order to ensure future GE HFA relay spares are inspected prior to installation in the plant, SCE has incorporated a Verification Test Procedure (VTP) for GE HFA relays in the Spare Parts procurement process. This VTP requires SCE's Quality Control organization to perform the tests and inspections recommended by Bulletin 88-03 for GE HFA relays prior to their installation in the plant. Additionally, because of the numerous problems with these relays, SCE has added the subject relays to the Control of Problem Equipment (COPE) Program to ensure that Type 12HFA relays receive close scrutiny by cognizant SCE organizations.