



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

George Lamih

APR 25 1984

*I understand
Bailey is now
handling these
+ will
get info
advise
as needed
from Eric
Weiss*

MEMORANDUM FOR: E. L. Jordan, Director, Division of Engineering and Quality Assurance, IE
FROM: Charles E. Norelius, Director, Division of Project and Resident Programs
SUBJECT: REQUEST FOR FOLLOWUP ON POTENTIALLY GENERIC PROBLEM

Enclosed is a 10 CFR Part 21 report received from Basler Electric, Highland, Illinois. Since this appears to be a generic problem, we are forwarding this report to you for your followup, as necessary. Should you have any questions, we will be glad to discuss them with you.

Charles E. Norelius
Charles E. Norelius, Director
Division of Project and Resident Programs

Enclosure: Ltr dtd 4/19/84
from Basler Electric

cc w/encl:
R. L. Spessard, RIII
Director, DPRP, RI, RII
Director, DRRPEP, RIV, RV
R. F. Heishman, IE
C. J. Heltemes, AEOD

Telecon notes 4/1/84 to Mr. Laird.

Have checked mounting part data, these are the only ones affected. First-time these SCR gauges used. Shoreham also involved. Perry plant has already been inspected, no problem. May 11, new units available. Will inspect as soon as possible. All other supplied overseas.

J. Laird

B Basler Electric Highland, Illinois

BOX 269, ROUTE 143, HIGHLAND, IL 62249 U.S.A. PHONE 618/654-2341 TWX 910/996-2522

84-217-000

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PRINCIPAL STAFF	
RA	✓ [Signature]
D/RA	OE
A/RA	DRMSP
RC	DRMA
PAO	SCS
SGA	ML
ENF	File ✓

April 19, 1984

Mr. James L. Keppler
Regional Administrator
USNRC
Region #3
Office of Inspection and Enforcement
Glen Ellen, Illinois 60137

Dear Mr. Keppler:

On 19 April 1984, I talked to Mr. Rod Gardner of your organization. I indicated to Mr. Gardner there is a **possibility the SCR's on our Nuclear Exciters** at the Seabrook Facility of Public Service Company of New Hampshire, at Hope Creek Facility of Public Service Electric and Gas Company and Limerick Facility of Philadelphia Electric, **have been mounted with too much pressure.** A gauge associated with the SCR's on the heat sinks can be read to determine if they were installed properly. On 17 April 1984, we were advised by Westinghouse, one of our suppliers of the SCR's, that units which were known to have been mounted with too much force were damaged components.

We notified Fairbanks Morse of this possibility a few days ago and yesterday, we reviewed our findings with them.

We proposed to Fairbanks Morse, and I advised Mr. Gardner, that we will examine the gauges on the semiconductors to determine if they have been mounted properly. If they are mounted properly, no further problem exist. If the gauges indicate incorrect mounting forces were used, we will remove the heat sinks from the exciter chassis, reassemble them with new devices, test and reinstall in the chassis at whatever power plant the problem occurs. We will work with Fairbanks Morse to make this happen.

I have notified Mr. Olsen of Fairbanks that Mr. Gardner wanted the above report prepared. Because of the many changes in the various power plants, Mr. Olsen will contact the utilities and report the above. I have sent Mr. Olsen a copy of this letter and he will, in turn, send to the appropriate people at the utilities.

Westinghouse has reported to us that if the semiconductors have been damaged as a result of too much mounting pressure, they may not function properly and in our application, if they have lost control, the generator voltage will go to ceiling.

~~8405140227~~

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Please note that all of the Nuclear Exciters we have shipped must have gone thru the electrical testing other than at Basler Electric, and if there has been any degradation, no problems have been reported to us at this time.

If additional information is required, please contact me. We will work closely with Mr. Olsen of Fairbanks Morse. The specific part numbers involved at each of the facilities are as follows:

Seabrook Facility - Public Service Company of New Hampshire - P/N 9 1121 00 100

Limerick Facility - Philadelphia Electric - P/N 9 1198 00 100

Hope Creek Facility - Public Service Electric and Gas Company - P/N 9 1245 00 100

Sincerely,

BASLER ELECTRIC



Edward E. Leird
Vice President of Engineering

EEL:amt

cc: Mr. George Olsen/Fairbanks Morse