

GENERAL ELECTRIC

NUCLEAR SYSTEMS TECHNOLOGY OPERATION

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MFN-050-85

April 9, 1985

U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Washington, D. C. 20555

Attention: J. M. Taylor

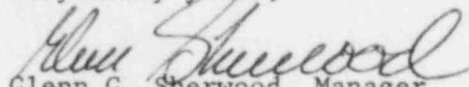
Gentlemen:

SUBJECT: 10CFR PART 21, REPORTABLE CONDITION INCORRECT CIRCUIT BREAKERS

This letter is to inform the NRC of a reportable defect per 10CFR Part 21, as reported to C. E. Rossi by G. B. Stramback, Manager of Safety Evaluation Programs on April 5, 1985.

The defect, which is unique to Fitzpatrick, is the shipment of two non-safety grade circuit breakers for a safety related application. The utility was notified. The circuit breakers were never installed and were returned to GE. The attached evaluation identifies all pertinent information required by 10CFR Part 21.

Very truly yours,



Glenn G. Sherwood, Manager
Nuclear Safety & Licensing Operation

Attachment

cc: J. M. Taylor (2)
T. E. Murley
J. N. Grace
J. G. Keppler
R. D. Martin
J. B. Martin
C. E. Rossi
G. G. Zech
L. S. Gifford

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1. Name and address of the individual or individuals informing the Commission.

Dr. G. G. Sherwood
Manager of Safety & Licensing Operation
General Electric Co.
175 Curtner Ave., San Jose, CA 95125

2. 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.

Non-Safety grade Circuit Breaker (188C7837) incorrectly supplied for Class IE GE Electric Protection Assembly

3. Identification of the firm constructing the facility or supplying the basis component which fails to comply or contains a defect.

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Nuclear Energy Business Operation
175 Curtner Avenue
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4. 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.

GE supplied to Fitzpatrick Nuclear Station two non-safety grade circuit breakers (CB) without required trip coils for use in the safety related Electrical Protection Assemblies (EPA). These CBs have the same physical dimensions as the required safety related CBs and could easily be installed in the Class IE EPAs. The safety hazard is the potential inoperability of necessary portions of the RPS, Neutron Monitoring System (NMS) and Nuclear Steam Supply Shutoff System (NS⁴) to generate Scram and Isolation safety actions. With one deficient circuit breaker installed in an EPA, a degraded RPS bus condition, and a single failure of the redundant EPA, the safety equipment connected to the bus may not function. It is this specific degraded bus condition that brought the NRC to require backfitting of the EPA devices to all BWR plants.

5. The date on which the information of such defect or failure to comply was obtained.

April 5, 1985.

6. In the case of a basic component which contains a defect or fails to comply, the number and location of all such components in use at, supplied for, or being supplied for one or more facilities or activities subject to the regulations in this part.

Only two incorrect circuit breakers were supplied to Fitzpartick Nuclear Station.

7. 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

Actions taken to correct this concern and assure it does not repeat are: purged the incorrect drawing number identifying the non-safety related CB without a trip coil from the GE application documentation system; replaced the two incorrect CBs (188C7837), which have never been installed, with two safety related CB's; and conducting an audit to investigate adequate preventative measures.

8. Any advise 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