

PA. Power Light

PART 21 IDENTIFICATION NO. 81-403-000 COMPANY NAME G.E.

DATE OF LETTER _____ DOCKET NO. 50-387 ~~388~~

DATE DISTRIBUTED _____ ORIGINAL REPORT SUPPLEMENTARY

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4/24/81

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LOEB / MPA MNB 5715

NMSS / FCMS SS-395

NRR/DOL

AEOD MNB 7602
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NRR/DOL

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CENTRAL FILES 016

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CENTRAL FILES (CHRON)

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PDR

CENTRAL FILES SS-395

LPDR

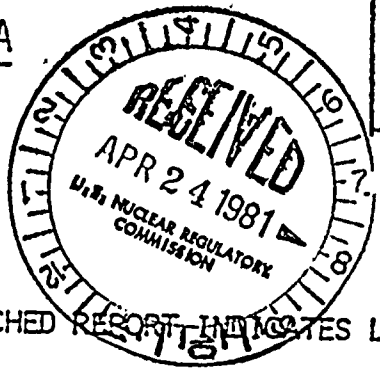
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~~CENTRAL FILES (CHRON)~~

PDR

LPDR

TERA

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE

NRR

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OTHER

5 EES 8104280086



1952



GENERAL ELECTRIC



81-403-000

NUCLEAR POWER

SYSTEMS DIVISION

TRR-26-81

MFN-065-81

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125
MC 682, (408) 925-5040

4/24/81

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

Attention: Mr. Victor Stello, Jr., Director

Gentlemen:

SUBJECT: REPORTABLE CONDITION ELECTRICAL SEPARATION FOR PGCC (HPCI
AND RCIC ISOLATION VALVES)

This is to advise the NRC of a reportable defect per 10CFR, Part 21 as reported to Mr. William R. Mills of your office by Walter H. D'Ardenne, Manager, Safety Evaluation Programs on April 7, 1981. This defect is in the PGCC floor section for Susquehanna 1&2 project. The defect was judged reportable on April 7, 1981. Attached is the report of the deviation.

The utility was informed by GE, and they have corrected the problem.

Very truly yours,

G. G. Sherwood
G. G. Sherwood, Manager
Safety and Licensing Operation

GGs:hjr/31

Attachment

cc: Mr. B. H. Grier, NRC, Region I
Mr. U. Potapovs, NRC, Region IV
Mr. J. F. McAllister, General Electric

8104280036

Special Electrical Separation

For PGCC

1. The "Electric Equipment Separation for Safeguards System" specification applied to Susquehanna 1 and 2 requires special separation for the HPCI and RCIC inboard steam line isolation valves. This requires separation from Division I in conduit per the electrical separation document. The separation is special because the intent is to provide conduit separation of the "Div. I-X" circuit from other Division I circuits and conduit separation of the "Div. II-X" circuits from other Division II circuits. However, it is permissible on this plant to run the "Div. I-X" conduit in the same tray with Division I wires and "Div. II-X" conduit in the same tray with Division II wires. The intent of this requirement was to prevent a postulated single electrical failure that could disable both the HPCI system (and/or the RCIC system) and ADS. Most of this special conduit separation is supplied by the utility in the Balance of Plant portion of the electrical tray design. However, this requirement also applies to the Power Generation Control Complex (PGCC) floor sections supplied by the General Electric Company.

2. The special conduit separation was missing from PGCC equipment designed and supplied by the General Electric Company.
3. The nature of the defect was the lack of special conduit separation in the PGCC floor sections for electrical wiring to HPCI valve E41-F002 and RCIC Valve E51-F007. Lack of this conduit could allow a postulated single electrical failure to disable both the HPCI (and/or RCIC) and the ADS.
4. The lack of conduit separation in the Susquehanna PGCC floor sections was confirmed orally by the GE-site personnel during the latter part of July 1980.
5. GE-site personnel have written FDDR's to enclose E41-F002 wiring from panel H12P617 to the PGCC termination cabinet and E51-F007 wiring from panel H12P618 to the termination cabinet in flexible conduit.
6. A letter has been sent to the customer and AE advising them to review the adequacy of the special conduit separation in their scope of responsibility.

GGG:hjr/29-30

12/1/80



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