

ATTACHED IS A PART 21 REPORT FROM IE MAIL UNIT - ROOM 359E/W

PART 21 IDENTIFICATION NO. 79-149-00 COMPANY NAME GE

DATE OF LETTER 9/5/79 DOCKET NO. 50-416, 50-417

DATE DISTRIBUTED 9/14/79 ORIGINAL REPORT ☒ SUPPLEMENTARY ☐

DISTRIBUTION:

REACTOR(R) ☒

FUEL CYCLE & ☐

SAFEGUARDS(S) ☐

MATERIALS(M)

NRR/DOR, DIRECTOR

AD/FFMSI

AD/SG-IE

NRR/DPM DIRECTOR

NMSS/FCMS

AD/ROI

AD/ROI (2)

REGIONS

REGIONS

AD/RCI

IE FILES

NRR/DOR, DIRECTOR

REGIONS

PDR

NMSS/SG SS-881

IE FILES (2)

LPDR

PDR

CENTRAL FILES

CENTRAL FILES-SS-396

LPDR

CENTRAL FILES (CHRON)

CENTRAL FILES(CHRON)
(016)

TERA

PDR

IE FILES (2)

LPDR

TERA

CENTRAL FILES 016

~~TERA~~

BOB DENNIG, MPA

CENTRAL FILES (CHRON)

BOB DENNIG, MPA

CENTRAL FILES - SS-396

ACTION:

BOB DENNIG, MPA

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOW-UP AS SHOWN BELOW:

IE ☒

NRR ☐

NMSS ☐

OTHER ☐

RCI

ROI

SG

FFMSI

7009250

1020 083

REV. 3/5/79

GENERAL ELECTRIC

C.E. MURPHY

RII

NUCLEAR ENERGY

PROJECTS DIVISION

GENERAL ELECTRIC COMPANY 175 CORTLAND AVE SAN JOSE, CALIFORNIA 95128

MC 682, (408) 925-5040

MEP-228-79

79-149-000

September 5, 1979

Mr. Robert H. Engelken
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region V
1990 North California Street
Walnut Creek, CA 94596

Dear Mr. Engelken:

SUBJECT: REPORTABLE CONDITION OF TOPAZ INVERTERS - BWR 5/6

This is to advise the NRC of a reportable condition per 10CFR Part 21. It was reported to J. L. Crows of your office by Walter H. D'Audenne, Manager, BWR Product Standards on September 5, 1979. The defect is in inverters manufactured by Topaz Electronics, San Diego, California. The defect was judged to be reportable on September 5, 1979. Attached is a report of the defect.

General Electric (GE) as the supplier of the subject inverter has informed the utilities affected and advised them to return the inverters to GE for replacement or repair.

Glenn G. Sherwood

Glenn G. Sherwood, Manager
Safety & Licensing Operation

GSS:pes/sj/846

Attachment

POOR
ORIGINAL

From T.L. Crows

1020 084

POOR
ORIGINAL

TOPAZ INVERTERS

Inverters supplied by Topaz Electronics, used to supply essential divisional power from station batteries to the ECCS transmitter/trip unit analog sensors, have failed. The failure is associated with transient disturbances such as those generated on the 125 VDC bus from switching relay coils. Blown fuses and failed SCR's have occurred as a result of the transient.

These inverters have been shipped to only one plant, Grand Gulf, for which a substantial safety hazard exists. At Grand Gulf, failure of all the inverters would prevent automatic initiation of all emergency core cooling systems.