

PRIORITY ATTENTION REQUIRED MORNING REPORT - REGION IV SEPTEMBER 9,
1994

Licensee/Facility:

Pacific Gas & Electric Co.
Diablo Canyon 1
Avila Beach, California

Notification:

MR Number: 4-94-0094
Date: 09/07/94
RESIDENT INSPECTOR

Dockets: 50-275
PWR/W-4-LP

Subject: FAILURE OF A CHANNEL IN THE EAGLE 21 REACTOR PROTECTION SYSTEM

Reportable Event Number: N/A

Discussion:

On September 7, 1994 at 2:19 p.m. PDT, Unit 1 experienced a failure of one channel of their new Eagle 21 reactor protection system. This resulted in all associated bistables going to the tripped condition and analog outputs failing low. The bistables and analog outputs cycled several times and then returned to normal. This resulted in a loss of one of three pressurizer level channels, one of four pressurizer pressure channels, and one of three RCS flow channels in each loop. The pressurizer level and pressure channels which failed had been selected as the controlling channels. Operators responded per procedures taking manual control of pressurizer pressure and level to stabilize plant conditions. A CVCS letdown isolation occurred. The licensee declared the protection set channel inoperable and tripped the associated bistables.

Troubleshooting revealed a problem which is believed to be associated

with an intermittent failure of a relay in the power supply distribution panel. The power supply distribution panel has been replaced and the protection set channel returned to service following an operational test at 3:07 a.m., PDT September 8, 1994. The licensee is sending the failed power supply distribution panel to Westinghouse for analysis. Both the licensee and Westinghouse are pursuing the potential generic implications of this failure.

Regional Action:

The residents are following the licensee's actions.

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