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PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-V-85-02 Date: 01/03/85

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by Region V staff on this date.

FACILITY: Pacific Gas & Electric Co.  
Diablo Canyon Unit 1  
Docket No. 275  
San Luis Obispo County, CA

Licensee Emergency Classification  
\_\_\_ Notification of Unusual Event  
\_\_\_ Alert  
\_\_\_ Site Area Emergency  
\_\_\_ General Emergency  
XX Not Applicable

SUBJECT: UNANTICIPATED REACTOR TRIP

At 7:45 pm (PST) on January 2, 1985, while performing the net load rejection startup test from 50% power, a reactor trip was experienced. The startup test involved the opening of the power output breakers to the grid. The turbine governor and intercept valves closed to provide turbine overspeed protection; however, the turbine governor and intercept valves did not reopen in time to avoid a drop in generator frequency, apparently due to a stuck solenoid valve in the hydraulic oil control system. This frequency drop resulted in a loss of reactor coolant system flow rate which caused a reactor trip about twenty-three seconds after the grid output breakers were opened. All four reactor coolant pumps tripped from their power supplies on underfrequency, such that natural circulation existed for about four minutes before the reactor coolant pumps were restarted. Emergency diesel generator 1-2 started on undervoltage but did not pick up loads, and was manually shutdown on verification of acceptable power supplies. All safety-related systems responded as designed. Plant operators responded in accordance with plant procedures for the reactor trip. The plant was stabilized, trip review and analysis of the initiating event are underway with restart and continuation of the testing program tentatively scheduled for January 3, 1985.

The licensee made a four hour report via the Emergency Notification System to the NRC Operations Center at 8:59 pm (PST) January 2, 1985.

The resident inspectors were present in the control room at the time of the event and through plant stabilization.

The licensee has issued a press release since media interest was expected. Region V will respond to any inquiries.

This information is current as of 10:30 am (PST) January 3, 1985.

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REGION V: FORM 211  
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