

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE---PNO-V-85-29

Date: 05/20/85

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 Company  
Diablo Canyon Unit 1  
Docket No. 50-275  
San Luis Obispo County, California

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

SUBJECT: REACTOR TRIP AND SAFETY INJECTION EVENTS

At 7:13 am (PDT) on May 18, 1985, and again at 5:20 am (PDT) on May 20, 1985, a reactor trip and safety injection occurred due to the loss of vital instrument AC power.

With the reactor plant at 100% power on May 18, 1985, the first event happened at 7:13 am when a transformer in vital instrument AC inverter IY-13 failed. Subsequent loss of AC panel PY-13 resulted in a reactor trip from false instrument indication of an open reactor coolant pump breaker. Almost immediately thereafter, a safety injection was initiated due to a false high steam line flow coincident with low steam pressure indication. An "Unusual Event" was declared. Plant conditions were stabilized in accordance with emergency operation procedures and the event terminated at 8:01 am. All safeguard systems operated appropriately except that Diesel Generator 1-3 was manually shutdown after only 2 to 3 minutes when a belt broke on the engine driven fuel oil pump. The reactor was started up and returned to power operation following repair and testing of the failed inverter and diesel generator at 5:30 am on May 19, 1985.

On May 20, 1985, at 5:20 am, another reactor trip and safety injection was experienced from 55% power when vital instrument inverter IY-12 output breaker tripped open. With AC panel PY-12 de-energized, the reactor tripped once again from a false instrument indication of an open reactor coolant pump breaker. Safety injection initiated immediately due to a false high steam line flow coincident with low-low "TAVG" indication. Plant conditions were stabilized and all safeguard system operated acceptably. An "Unusual Event" was declared at 5:20 am and terminated at 5:49 am.

The licensee has included this information in their daily report to the media and, as a result, has been responding to media inquiries. Region V will also respond to inquiries.

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