

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-V-90-50 Date 12/24/90

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, CA

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

SUBJECT: FAILED OPEN SPRAY VALVE RESULTS IN REACTOR TRIP, SAFETY INJECTION

At approximately 3:17 a.m. (PST) on December 24, 1990, with the plant operating at 86% power, pressurizer spray valve PCV-455B failed in the open position. Pressurizer pressure decreased to 1950 psig, causing a reactor trip at 3:18 a.m. (PST). Pressurizer pressure continued to decrease, resulting in initiation of safety injection. Instrument air to containment isolated when safety injection actuated; however, the spray valve appears to have remained open. With pressurizer pressure at 1500 psig, operators, in accordance with procedures, tripped Reactor Coolant Pump 1-2, thus decreasing the flow through the failed spray valve. Pressurizer pressure increased to 1700 psig. An operator was sent into containment to secure the air supply to the failed open spray valve, and instrument air was restored.

The Unit is currently stable at 2100 psig and 430F. The licensee declared an Unusual Event due to safety injection actuation. The Unusual Event was secured when Unit pressures stabilized. All safety injection equipment operated satisfactorily. The licensee is currently evaluating if the reactor coolant system cooldown rate exceeded the Technical Specification limit of 100F per hour; the licensee's preliminary evaluation indicates that the 100F per hour limit was not exceeded.

The licensee has notified the news media.

NRC residents are on-site and, with Region V, will actively follow the licensee's actions.

This information is current as of 8:45 a.m. (PST), December 24, 1990.

CONTACT: P. Morrill, RV  
FTS 463-3740

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805-595-2354

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PDR I&E  
PNO-V-90-50 PDR

DISTRIBUTION BY 5520:

Date 12/24 Time 10:30

Chairman Carr	EDO	RI
Comm. Curtiss	AEOD	RII
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OCA	NRR	
OGC	NMSS	
OE	IRM	
ACRS	OIG	
GPA	ASLAP	

FAX TO:

Date 12/24 Time 10:32

INPO  
NSAC  
LICENSEE  
RESIDENT INSPECTOR  
HQS. OPERATIONS OFFICER  
PDR (202)634-3343

MAIL TO:

DCS (Original)  
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