

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: Arizona Public Service  
Palo Verde Unit 1  
Docket No. 50-528

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

SUBJECT: REACTOR TRIP WITH SAFETY INJECTION

On October 24, 1985, at 10:10 am (MST) the Unit 1 reactor tripped from 80% power during a scheduled loss of load test. Following the reactor trip, an automatic safety injection system actuation (SISA) and containment isolation system actuation (CISA) were received as a result of low pressurizer pressure. A main steam isolation system (MSIS) actuation also occurred. A Notification of Unusual Event was declared at 10:19 am as a result of the reactor trip and safety injection, in accordance with the site emergency plan. All emergency safety features functioned normally.

The cause of the reactor trip appears to have been unexplained (possibly spurious) "Low Steam Generator Levels" in both steam generators. Post trip data indicates that the trip signals lasted for approximately .3 seconds and then cleared. The initial cause of the safety features actuations was believed to have been from cooldown of the reactor coolant system (RCS) which resulted from the steam bypass control system overresponding. The utility has requested Combustion Engineering to assist them with the determination of the cause of the reactor trip and the cooldown of the RCS. Region V is independently reviewing this event.

The Notification of Unusual Event (NOUE) was terminated at 10:45 am when plant conditions returned to normal hot standby conditions. The licensee plans on being shutdown while the cause of the reactor trip is investigated. During the shutdown, secondary plant maintenance will be performed; this is expected to last several days.

The licensee has notified the local media of the reactor trip and NOUE.

This information is current as of 4:00 pm (PST) October 24, 1985

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#### DISTRIBUTION

H St. <u>1:02</u>	MNBE <u>12:31</u>	Phillips <u>12:29</u>	E/W <u>12:59</u>	Willste <u>1:00</u>	Air Rights <u>2:18</u>	Mail:
Chairman Pallidino	EDO	NRR	IE	NMSS		ADM:DMB
Comm. Zech	PA		OIA	RES		DOT:Trans Only
Comm. Bernthal	MPA		AEOD			
Comm. Roberts	ELD					
Comm. Asselstine						
SECY						
ACRS						
CA						
PDR						

Regions: RI - 2:19, RII - 10:10, RIII - 8:17, RIV - 3:12  
INPO 11:22 NSAC 4:01  
Licensee: 8:42  
(Reactor Licensees)  
Resident Inspector 8:47

REGION V: FORM 211  
(Revised 3/14/83)

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