PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-V-90-37 Date 09/14/90

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: ARIZONA NUCLEAR POWER PROJECT
PALO VERDE UNIT 1
DOCKET NO. 50-528
WINTERSBURG, AZ.

Emergency Classification
____Notification of Unusual Event
____Alert
____Site Area Emergency
____General Emergency
__X_Not Applicable

SUBJECT: PLANT SHUTDOWN DUE TO LEAKING PRESSURIZER SAFETY VALVE

Unit 1 was manually tripped from 17% power at 12:32 PM (MST) on September 13, 1990, following a downpower from 100% which began at 10:41 AM. Prior to the event, Pressurizer Safety Valve RC-202 (Dresser Model 6-31709N) was known to be leaking past its seat. The leakage rate had increased from 0.25 gpm to about 0.5 gpm on September 7, 0.65 gpm on September 12, and approximately 1 gpm on September 13. The leakage resulted in increased Reactor Drain Tank (RDT) temperature, pressure and level. On September 13, the RDT isolated automatically, due to pressure in excess of 10 psig. Licensee Management decided to shutdown the reactor and reduce Reactor Coolant System (RCS) pressure to avert rupturing the RDT rupture disk.

Following the manual reactor trip, RCS pressure was decreased to approximately 1575 psia and the RDT drain valve was manually operated to drain the RDT. Currently, preparations are being made to enter Mode 5. All systems functioned as intended after the reactor trip, with the exception of a leaking Feedwater Control Valve which caused a higher than expected level in the #2 steam generator. An estimated two week outage will be required to make repairs or replace the safety valve. Units 2 and 3 are both operating at 100% power.

This information is current as of 8:00 AM (PST), September 14, 1990

CONTACT: H. Wong
FTS 463-3733

Doug Coe
(602) 386-3650

DISTRIBUTION BY 5520:
Date 9/14/90 Time 1:00 pm

Chairman Carr	EDO	RI	
Comm. Rogers	AEOD	RII	
	OPA		RIII
Comm. Curtiss	SLITP	RIV	
Comm. Remick	RES		
OCA	NRR		
OGC	NMSS		
OE	IRM		
ACRS	OIG		
GPA	ASLAP		

FAX TO:
Date 9/14/90 Time 1:50 pm
INPO
NSAC
LICENSEE
RESIDENT INSPECTOR
HQS. OPERATIONS OFFICER
PDR (202)634-3343

MAIL TO:
DCS (Original)
DOT:(Trans. Only, Applicable State)

9009250205 900914
PDR I&E
PNO-V-90-037 PDC

RV FORM 211
Revised: 8/19/87

IE34
1/0