

November 18, 1982

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-IV-82-43

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

FACILITY: Arkansas Power and Light Company  
Arkansas Nuclear One, Unit 2  
Russellville, Arkansas  
DN 50-368

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

SUBJECT: SHUTDOWN OF ANO, UNIT 2 DUE TO INADEQUATE NUMBER OF OPERABLE IN-CORE DETECTORS

Unit 2 was shutdown by a reactor trip from 10 percent power on low DNBR. This reactor trip occurred during a shutdown at 2:07 a.m. (CST), on November 18, 1982, due to an inadequate number of operable in-core detectors. During this controlled reduction in reactor power, the steam dump and bypass control system (SDBCS) had been placed in manual mode for operator training. A lack of coordination resulted in a reactor operator tripping the main turbine with the SDBCS in the manual mode without manually controlling the SDBCS. When the main turbine tripped, some of the steam generator safety valves lifted. When the SDBCS was returned to automatic mode, the resultant additional steam flow caused excessive reactor coolant system cooldown. This excessive reactor coolant system cooldown caused a reactor trip from 10% power on low DNBR.

All safety related systems functioned as designed following the reactor trip.

Unit 2 will be cooled down to investigate the in-core detector failures.

Media interest has not occurred. The licensee does not plan to issue a press release. The NRC does not plan to issue a news release.

The State of Arkansas has been informed by the licensee.

Region IV (Dallas), was informed of this occurrence at 8:00 a.m. (CST) on November 18, 1982, by telephone from the senior resident inspector. This information is current as of 10:00 a.m. (CST) on November 18, 1982.

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DISTRIBUTION:

H. ST. <u>5:00 p</u>	MNBB <u>5:00 p</u>	Phillips <u>5:00 p</u>	E/W <u>3:00</u>	Willste <u>3:00 p</u>	MAIL:
Chmn Palladino	EDO	NRR	IE <u>rrg</u>	NMSS	DOT: Trans Only
Comm. Gilinsky	PA	OIA	RES		
Comm. Ahearne	MPA	AEOD			
Comm. Roberts	ELD				
Comm. Asselstine					
SECY	<u>Air Rights</u>	INPO			
ACRS	SP NSAC				
CA					
PDR Regions: <u>5:00 p</u>		Licensee: <u>3:00 p</u>			
		(Reactor Licensees)			
ES <u>AW</u>	RPSC <u>AW</u>	RPB2 <u>AW</u>	DRRP&EP <u>AW</u>	RA-RIV <u>AW</u>	PAO <u>AW</u>
DMHunnicut:gb	WDJohnson	WCSeidle	JEGagliardo	JTCollins	CEWisner
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Transmitted via 5520, 11/18/82