

May 31, 1985

DMB

## PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-IV-85-25

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 & Light Company  
Arkansas Nuclear One-Unit 1  
Russellville, Arkansas  
DN: 50-313

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

SUBJECT: STEAM LEAK ON THE SHELL SIDE OF A FEEDWATER HEATER

The unit tripped from 100% power at 3:23 a.m. (CST) on May 31, 1985. The reactor trip was on high primary pressure following loss of a main feedwater pump.

The transient was initiated by unexplained closure of the main turbine intercept valves. The resulting extraction steam pressure increase caused a long but very narrow crack in the expansion joint of feedwater heater E2A. There were no injuries and the steam leak was isolated when the turbine tripped about 40 seconds later. At 8:30 a.m., on May 31, 1985, the plant was in hot shutdown. Startup is planned after weld repairs are made to E2A feedwater heater and the intercept valve closure cause is corrected. Following the trip, emergency feedwater initiated properly after the main feedwater system failed to maintain normal steam generator water levels.

The crack in the expansion joint on the shell side (steam side) of the feedwater heater released a small amount of steam at a pressure of approximately 200 psi. No equipment was damaged and the only effect of the leak appeared to be that some insulation material was removed.

The NRC does not plan to issue a press release but will respond to any media inquiries.

This information is current as of 12:00 p.m. CDT.

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