

April 2, 1982

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-IV-82-13

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.

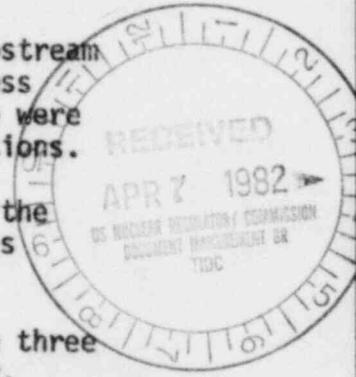
FACILITY: Arkansas Power and Light Company  
Arkansas Nuclear One, Unit 1  
Russellville, Arkansas  
DN 50-313

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

SUBJECT: HIGH PRESSURE INJECTION THERMAL SLEEVE DEGRADATION

Arkansas Nuclear One, Unit 1 is in cold shutdown for a scheduled maintenance outage. Nondestructive (radiographic, ultrasonic, and dye penetrant) examination is being performed on the four High Pressure Injection nozzles. Preliminary results are as follows:

- A. Upstream buttons (thermal sleeve retainers) are missing. The upstream end of the thermal sleeve (TS) is worn. The TS has wall thickness reduction and is axially displaced upstream about 1 inch. There were no indications on ultrasonic (UT) or dye penetrant (PT) examinations.
- B. Radiography (RT) indicated a gap over about the upstream 50% of the rolled area. No indications on UT except one indication which is unchanged from 1978 data.
- C. No indications of abnormal conditions on RT. PT results include three exterior nozzle weld indications which must be evaluated further.
- D. RT results indicated a possible 360° crack in the TS in the rolled area. PT revealed no unacceptable indications. This is the nozzle used for normal makeup.



A Region IV inspector has been on site observing portions of the examinations and reviewing results. Other NRC offices are being kept informed of inspection results as they are obtained.

The licensee is obtaining repair recommendations from Babcock & Wilcox. Necessary replacement parts are enroute to the site. Outage extension beyond the scheduled April 23, 1982, restart date is likely.

No media interest is evident. The licensee has not made a press release. RIV does not plan a press release.

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PDR I&E  
PNO-IV-82-013 PDR

OFFICE	RPS-C	RPS-C	RPB2	DRRP&EP	PAO	DRA	RA-RIV
SURNAME	WDJohnson/nh	REHall	WCSeidte	JEGagliardo	CEWisher	KVSeyfrit	JCollins
DATE	4/2/82	4/2/82	4/2/82	4/2/82	4/2/82	4/2/82	4/2/82

This matter is the subject of IE Information Notice No. 82-09. Information is being transmitted by the resident inspector as inspections are performed. This information is current as of 1200 hours CST, April 2, 1982.

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