

September 1, 1988

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-IV-88-74

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 the Region IV staff on this date.

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

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

SUBJECT: HEAT EXHAUSTION AND TRANSPORT OF CONTAMINATED INDIVIDUAL

An additional case of personnel heat exhaustion occurred in ANO Unit 1 reactor building containment on September 1, 1988. The unit is in the early stages of refueling outage No. 8. Three early cases of personnel heat exhaustion occurred on August 30, 1988, and were reported by PNO-IV-88-73. The licensee declared an unusual event at 12:29 a.m. (CDT) due to transport of contaminated person when a mechanic was transported to St. Mary's hospital in Russellville, Arkansas, for treatment and observation. Initial levels of skin contamination were 3000 CPM with levels reduced to 200 CPM after onsite decontamination. The unusual event was terminated at 2:05 a.m. (CDT) when decontamination efforts were completed at the hospital. The individual was kept at the hospital overnight for observation. Following the three cases of heat exhaustion on August 30, the licensee instituted a program to reduce the likelihood of additional heat exhaustion. This program consists of issuing "stay times" for particular tasks, taking vital signs prior to work activities, and closely monitoring containment temperatures. During this most recent case of heat exhaustion, all the elements of this program were complied with during the work activity. The individual was in an area with a WBGT of 86.6°F and he became ill after only 25 minutes. The remainder of the work crew stayed for the allotted stay time of 45 minutes and experienced no problems.

The senior resident inspector is monitoring licensee actions.

The licensee plans to issue a press release.

The state of Arkansas has been informed.

Region IV received notification of this occurrence by the Headquarters Duty Officer at 1:42 a.m. (EST) September 1, 1988. Region IV has informed EDO/NRR/PA.

This information has been confirmed with a licensee representative.

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9/1/88 9/1/88

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5520: 9/1/88 @ 11:30 am.
REGIONS & HQ

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