

October 10, 2000

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-00-040A

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 Region II staff (Atlanta, Georgia) on this date. Note that this preliminary notification supplements PNO-II-00-040, issued on September 27, 2000.

Facility

Tennessee Valley Authority
Sequoyah 1
Soddy-Daisy, Tennessee
Dockets: 50-327, 50-328

Licensee Emergency Classification

Notification of Unusual Event
Alert
Site Area Emergency
General Emergency
X Not Applicable

Subject: UNIT 1 REACTOR TRIP FOLLOWING LOSS OF A MAIN FEEDWATER PUMP - UPDATE

On September 25, 2000, Sequoyah Unit 1 tripped following the loss of a main feedwater pump. Unit 1 was returned to service at 04:54 p.m. EDT on October 5, 2000, following repair efforts for the #4 reactor coolant pump (RCP), which had indication of increasing vibration prior to the unit trip. Repair efforts primarily included an inspection of the lower motor bearing with a subsequent balancing of the RCP motor while it was aligned to the RCP pump assembly. At 07:27 a.m. on October 6, 2000, in accordance with a site abnormal operating procedure (AOP), the operating crew began reducing power from 48 percent rated thermal power due to increasing vibration levels in the #4 RCP. At 07:42 a.m., also in accordance with the AOP, the main turbine and reactor were manually tripped from 20 percent power. The unit was stabilized in Mode 3 (Hot Shutdown) and the #4 RCP was secured.

An NRC resident inspector was in the control room during the manual trip and observed the licensee's response to the transient.

At 05:02 a.m. on October 9, 2000, the unit was placed in Mode 5 (cold shutdown) following successful initiation of shutdown cooling. The unit remains in cold shutdown as of the release of this notification.

The licensee is currently evaluating a repair strategy for the #4 RCP, which may include a motor and/or pump internals replacement. The resident inspectors will continue to monitor Unit 1 activities.

The State of Tennessee has been notified.

The information is current as of 3:00 p.m. EDT, on October 10, 2000.

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