

March 2, 1993

ELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-93-008

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 II staff on this date.

Facility

Tennessee Valley Authority
Sequoyah 1 2
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: FORCED OUTAGE OF UNIT 2 GREATER THAN 72-HOURS

On March 1, 1993, at approximately 2:24 p.m., Sequoyah, Unit 2 was manually tripped from full power. The unit was tripped when operators noticed an increase in voltage on the generator and 6.9 KV Unit boards. After the trip, the unit boards transferred to preferred power (common station service transformers) and the unit board voltage returned to normal. Subsequent to the trip, a steam leak was discovered in a 10 inch extraction steam line approximately 1 foot downstream of a tee. The line supplied extraction steam to feedwater heater B2. The Unit 2 generator voltage regulator cubicles were discovered to be wetted due to the steam leak. Preliminary information indicated that the generator voltage regulator failed due to excessive moisture from the steam leak. An investigation was also begun to evaluate the overvoltage condition in order to determine if any station service or safety-related electrical loads were affected. The leak was not isolable from the high pressure turbine extraction steam line. The licensee believes that the leak was caused by erosion of the piping. No personnel were injured by the steam leak.

After the trip, Unit 2 was stabilized in MODE 3 with steam dumps removing decay heat to the condenser. All safety systems performed as designed during the transient. The licensee immediately convened a post trip review team to review the event. Steam leakage in the turbine building had not effected any safety systems. However, a steam generator level perturbation was observed by operators approximately three minutes prior to the manual reactor trip. Initial investigations indicate that the level perturbations was not related to the steam leak event.

As of 8:00 a.m., on March 2, 1993, Unit 2 was in MODE 3 with the condenser vacuum broken. The duration of the forced outage is unknown at this time.

Unit 1 operated at approximately full power throughout the event and was not affected. However, based on the unknown condition of Unit 1 extraction steam piping of similar configuration, plant management expected that Unit 1 be shut down for inspection. The unit commenced a

shutdown from full power operation late on March 1 and entered MODE 3 at approximately 8:00 a.m.

ident inspectors were onsite during the event and have been following

licensee's actions. Region based inspectors are being dispatched to the site on March 2.

The licensee agreed to obtain NRC concurrence prior to either unit's restart.

The licensee will make notification to local media with regard to the Unit 2 trip and Unit 1 shutdown and outage related work.

The State of Tennessee has been notified.

This information is current as of 8:00 a.m., on March 2, 1993.

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