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This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by Region V staff on this date.

FACILITY: PORTLAND GENERAL ELECTRIC COMPANY
TROJAN UNIT 1
DOCKET NO. 50-344
PRESCOTT, OREGON

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

SUBJECT: REACTOR TRIP AND SHUTDOWN GREATER THAN 48 HOURS

At approximately 12:20 pm on August 9, 1989, with the reactor at 50% power, the Trojan facility automatically shutdown (tripped) on overtemperature differential temperature (OT delta T). At the time of the trip the licensee was performing a surveillance on Channel 3 of OT delta T which required tripping of associated protection set circuitry and gave one of the signals for a two of four logic. The licensee was investigating problems identified in their reactor physics data analysis and input to the reactor protection system, and had reduced power from 60% to 50% to address these problems. During the performance of the surveillance, the licensee concluded that a spurious trip signal (25 cycles or approximately 1/2 second) from another channel of OT delta T was received and resulted in the reactor trip. All safety systems functioned as designed following the reactor trip. Non-safety equipment identified by the licensee to not operate as expected were the North Main Feedpump suction relief valve (stuck open), spurious annunciator board response, and an apparent pressure surge in one North Main Feedpump suction piping. The resident inspector was in the control room within three minutes of the trip and observed the recovery.

As of August 10, 1989, the reactor is shutdown in Mode 3 at normal operating temperature and pressure with the licensee attempting to identify the source and cause of the spurious signal, and understand and resolve other equipment malfunctions. During the shutdown period the licensee will also attempt to repair minor hydrogen gas leakage from the main generator. The licensee plans restart for August 12, 1989.

This information is current as of 10:00 am August 10, 1989.

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