

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Trojan Nuclear Plant										DOCKET NUMBER (2) 0 5 0 0 0 3 4 4										PAGE (3) 1 OF 0 2			
TITLE (4) Pressurizer Level Transmitters Out Of Calibration																							
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)													
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES N/A						DOCKET NUMBER(S) 0 5 0 0 0								
0	6	12	85	85	0 0 6	0	0	0	7	12	85							0 5 0 0 0					
OPERATING MODE (9) 6		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																					
POWER LEVEL (10) 0 0 0		20.402(b)				20.406(c)				50.73(a)(2)(iv)				73.71(b)									
		20.406(a)(1)(i)				50.36(e)(1)				50.73(a)(2)(v)				73.71(e)									
		20.406(a)(1)(ii)				50.36(e)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
		20.406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)													
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)													
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)													
LICENSEE CONTACT FOR THIS LER (12)																							
NAME Scott Bauer, Onsite Regulation Engineer										TELEPHONE NUMBER 5 0 3 5 5 6 - 3 7 1 3													
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																							
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC													
X	JC	LT	F180	Y																			
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)											
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO											

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On June 12, 1985 the plant was in mode 6 with fuel in the reactor vessel and the Reactor Coolant System (RCS) drained to the centerline of the loop nozzles. While performing calibration of the pressurizer level transmitters in accordance with Plant Procedures it was discovered that two of the three transmitters were out of calibration low. This occurrence affected the reactor trip system such that a high pressurizer level trip would not have been received until the level was above the Technical Specification Table 2.2-1 allowable value of 93%. The apparent cause of the occurrence was transmitter drift. Immediate corrective action was taken to recalibrate the transmitters.

8508010110 850712
PDR ADOCK 05000344
S PDRIE22
11

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (5)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
Trojan Nuclear Plant	05000344	85	006	00	02	OF 02

TEXT (If more space is required, use additional NRC Form 386A's) (17)

Description of Event

On June 12, 1985 the plant was in a maintenance and refueling outage and was in Operational Mode 6. Fuel was in the reactor vessel and the Reactor Coolant System (RCS) was drained to the centerline of the loop nozzles. Eddy-current testing of 'B' and 'C' steam generators was in progress. Instrumentation and Control (I&C) Technicians were performing the annual calibration of the pressurizer level transmitters (LT-459, LT-460, LT-461) in accordance with Maintenance Procedure (MP) 2-3, "Venting and Filling of Field Transmitters". The high pressurizer level reactor trip setpoint is 91.5%. The Technical Specification Table 2.2-1 limit for this trip is equal to or less than 93%. Two of the level transmitters, LT-460 and LT-461, were found out of calibration low. With these calibration errors, LT-460 would have tripped at 95.6% and LT-461 at 94.4%.

The three pressurizer level transmitters provide input to a 2-out-of-3 coincidence logic circuit in each of the 'A' and 'B' train reactor trip systems. Therefore, with two level transmitters out-of-calibration low, the pressurizer level would have had to increase above 93% to initiate the trip.

Cause of Occurrence

Instrument drift has been determined to be the apparent cause for the out-of-calibration transmitters. Although the reason for the drift is unknown, these transmitters have had a history of drifting out-of-calibration. Licensee Event Reports (LER) 82-21 and 83-05 identify previous out-of-calibration conditions for transmitter LT-461.

Corrective Action

Immediate corrective action was taken to recalibrate the instruments and return them to service on June 12, 1985. A change is being evaluated to lower the high pressurizer level setpoint such that the expected instrument drift will not cause the actual pressurizer level trip to exceed 93%. In addition, the pressurizer level transmitters are scheduled to be replaced with new transmitters during the 1986 refueling outage.

Significance of Occurrence

This event had no effect on plant or public safety. No credit is taken in the accident analyses for operation of the high pressurizer level trip. This trip is required by the Standard Technical Specifications to enhance the overall reliability of the reactor protection system. Additionally, there were no high pressurizer level transients requiring reactor trip protection while the instruments were out of calibration.



Portland General Electric Company
Trojan Nuclear Plant
P.O. Box 439
Rainier, Oregon 97043
(503) 556-3713

July 12, 1985
WSO-455-85


US Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

Licensee Event Report No. 85-06 is attached.

Sincerely,

W. S. Orser
General Manager


WSO/SAB:pat

c: Distribution
File 93.24a

IE22
11