

**FGE**



Portland General Electric Company  
Trojan Nuclear Plant  
71760 Columbia River Hwy  
Rainier, Oregon 97048  
(503) 556-3713

November 16, 1989  
CPY-301-89

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington DC 20555

Gentlemen:

Licensee Event Report No. 89-28 is attached. This report discusses an event in which the surveillance interval for the Rod Position Indication System was exceeded.

Sincerely,

C. E. Yundt  
General Manager  
Trojan Nuclear Plant

c: Mr. John B. Martin  
Regional Administrator, Region V  
US Nuclear Regulatory Commission

Mr. David Stewart-Smith  
State of Oregon  
Department of Oregon

Mr. R. C. Barr  
USNRC Resident Inspector  
Trojan Nuclear Plant

8911290047 891116  
PDR ADOCK 05000344  
S FDC

*IE22*  
*1/1*

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 3
---	--------------------------------------	----------------------

TITLE (4)  
Personnel error in preparing procedure results in missed rod position surveillance.

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			DOCKET NUMBER(S)		
0	8	0	1	8	9	8	9	0	n/a			0 5 0 0 0 0		
0	8	0	1	8	9	8	9	0	0 0 1 1 1 6 8 9			0 5 0 0 0 0		

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
POWER LEVEL (10) 0 1 0 1	20.402(b)	20.406(e)	80.73(a)(2)(iv)	73.71(b)						
	20.406(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(e)						
	20.406(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 306A)						
	20.406(a)(1)(iii)	X 80.73(a)(2)(i)	80.73(a)(2)(vii)(A)							
	20.406(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)							
20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(ix)								

LICENSEE CONTACT FOR THIS LER (12)

NAME John D. Guberski - Compliance Engineer	TELEPHONE NUMBER AREA CODE 5 0 3 5 5 6 - 5 5 2 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

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR
--	--	-------------------------------	----------------

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

During a review of Periodic Operating Test 24-1, "Shift Operating Routines", data on October 17, 1989 it was discovered that the surveillance required by Technical Specification (TS) 4.1.3.2, "Position Indication Channels Surveillance Requirements", was not performed at four hour intervals for the Shutdown Banks when the Plant Computer Rod Position Deviation Monitor alarm was inoperable from August 1, to August 4, 1989. Shutdown Banks positions were recorded at the specified twelve hour interval. The Rod Position Deviation Monitor alarm was inoperable as the result of not restoring a computer variable to the proper value following a computer outage. The form used to record the rod position data only listed the Control Banks due to a personnel error in not providing space for recording the Shutdown Banks position. The procedure was deviated to include the Shutdown Banks and a Training Information Bulletin was issued on the increased surveillance when the Rod Deviation Alarm is not operable. A change was also made to the plant computer software to restore the computer variable to the correct value on a computer restart.

The required TS 4.1.3.2 twelve hour surveillance of the Shutdown Banks was performed satisfactorily during the August 1 to August 4, 1989 time period. As no position deviations beyond the allowable ten steps occurred during this time period this event did not have any effect on public health and safety.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104  
EXPIRES: 6/31/88

FACILITY NAME (1)  Trojan Nuclear Plant	DOCKET NUMBER (2)  0 5 0 0 0 3 4 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 9 -	0 2 8 -	0 0	0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 3864's) (17)

DESCRIPTION OF OCCURRENCE

During the time period of August 1 to August 4, 1989 the plant operated in modes 1 and 2 (Power Operation and Startup) at various power levels (Maximum power approximately 25 percent) for conducting physics and turbine testing.

The Plant Computer Rod Position Deviation Monitor was determined to be inoperable at noon on August 1, 1989. Operations personnel began logging rod positions at four hour intervals as required by Technical Specification (TS) 4.1.3.2, "Position Indication Channels Surveillance Requirements". This surveillance is performed using Periodic Operating Test (POT) 24-1, "Shift Operating Routines". During a review of POT 24-1 data on October 17, 1989 it was discovered that the positions of the Shutdown Banks were not recorded from August 1, to August 4, 1989 at four hour intervals as required by TS 4.1.3.2. The Shutdown Bank positions were recorded at an interval which did not exceed twelve hours during the August 1, to August 4, 1989 time period. Further review identified that POT 24-1 had a weakness in that the form attached for recording Control and Shutdown bank positions did not allocate space for documenting Shutdown Banks data during Rod Position Deviation Monitor inoperability.

CAUSE OF OCCURRENCE

The apparent cause is personnel error in failure to include space for recording the Shutdown Banks in the attachment to POT 24-1. A contributing cause was Operations personnel not recognizing that the position of the Shutdown Banks was not being recorded on the same frequency as the Control Banks.

CORRECTIVE ACTIONS

POT 24-1 Attachment A was deviated on October 18, 1989 to provide space for recording the Shutdown Banks positions.

Training Information Bulletin 65 was issued on August 2, 1989 to Plant Operations personnel to give information and guidance on the Rod Position Deviation Alarm and the increased surveillance requirements should the computer alarm be unavailable.

To lessen the probability of recurrence of the computer problem that caused the Plant Computer Rod Position Deviation Monitor to be inoperable a software change was made to the Plant computer to restore a variable to its proper value following a restart of the computer.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Trojan Nuclear Plant	DOCKET NUMBER (2)  0 5 0 0 0 3 4 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 9	0 2 8	0 0	0 3	OF	0 3

TEXT (If more space is required, use additional NRC Form 366A's) (17)

SIGNIFICANCE OF OCCURRENCE

The TS 4.1.3.2 twelve hour surveillance of the Shutdown Banks was performed satisfactorily during the August 1 to August 4, 1989 time period. As no position deviations beyond the allowable ten steps occurred during this time period this event did not have any effect on public health and safety.