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

October 16, 1989
CPY-260-89

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

Gentlemen:

Licensee Event Report No. 89-10 is attached. This report discusses an event in which the Auxiliary Feedwater Pumps started on an inadvertent signal.

Sincerely,

C. F. Yundt
General Manager
Trojan Nuclear Plant

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

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

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

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1): Trojan Nuclear Plant
 DOCKET NUMBER (2): 0 5 0 0 0 3 4 4 1 OF 0 2

TITLE (4): Failure to follow procedure (Cognitive Error) actuates Auxiliary Feedwater System (ESF)

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 NAME	DOCKET NUMBER (8)
0	9	16	89	010	0	0	10	16	n/a	0 5 0 0 0
0	9	16	89	010	0	0	10	16		0 5 0 0 0

OPERATING MODE (9): 2
 POWER LEVEL (10): 99
 T: IS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.402(i)	<input checked="" type="checkbox"/> 20.736(i)(2)(ii)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.402(b)(1)(i)	<input type="checkbox"/> 20.402(i)(1)	<input type="checkbox"/> 20.736(i)(2)(iii)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.402(b)(1)(ii)	<input type="checkbox"/> 20.402(i)(2)	<input type="checkbox"/> 20.736(i)(2)(iv)	OTHER (Specify in Abstract below and in Test, NRC Form 305A)
<input type="checkbox"/> 20.402(b)(1)(iii)	<input type="checkbox"/> 20.736(i)(iii)	<input type="checkbox"/> 20.736(i)(2)(v)(A)	
<input type="checkbox"/> 20.402(b)(1)(iv)	<input type="checkbox"/> 20.736(i)(iv)	<input type="checkbox"/> 20.736(i)(2)(v)(B)	
<input type="checkbox"/> 20.402(b)(1)(v)	<input type="checkbox"/> 20.736(i)(v)	<input type="checkbox"/> 20.736(i)(2)(vi)	

LICENSEE CONTACT FOR THIS LER (12):
 NAME: John D. Guberski-Compliance Engineer
 TELEPHONE NUMBER: AREA CODE 5 0 3, NUMBER 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):
 YES (If yes, complete EXPECTED SUBMISSION DATE) NO
 EXPECTED SUBMISSION DATE (15): MONTH DAY YEAR

ABSTRACT (Limit to 1000 words, i.e., approximately 8000 characters maximum) (16)

On September 16, 1989, the Plant was at 1 percent power (Mode 2) and shutting down to enter an outage. One main feedwater pump and the electric (non-Engineered Safety Feature - ESF) auxiliary feedwater pump were in use to maintain Steam Generator water level. Plant Procedure General Operating Instruction (GOI)-3, "Plant Shutdown from Power Operation to Hot Standby" was being used by the Control Operator to direct activities to shutdown the Plant. The Control Operator directed an operator to stop the operating main feedwater pump. When the operating main feedwater pump was stopped the (ESF) auxiliary feedwater pumps (AFPs) automatically started. After confirming that the cause of the automatic AFP start was from a "loss of both main feedwater pumps" signal, the signal was blocked. Both ESF auxiliary feedwater pumps were then secured and their automatic start signals reset.

The cause of this event was personnel error in not following the GOI-3 procedure. The procedure has a specific step to block the AFP's start signal prior to stopping the operating main feedwater pump. Corrective action was to hold the responsible individual accountable by implementing appropriate disciplinary action. Additionally, this event was discussed in a Lessons Learned Bulletin.

Steam Generator (SG) water levels were being maintained by the non-ESF Auxiliary feedwater pump. Thus, the ESF auxiliary feedwater pumps were not required to maintain SG water levels. This event had no effect on public health and safety.

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

TEXT (If more space is required, use additional NRC Form 200A or 117)

DESCRIPTION OF OCCURRENCE

On September 16, 1989, the Plant was at 1 percent power (Mode 2) and shutting down to enter an outage. One main feedwater pump and the electric (non-Engineered Safety Feature - ESF) auxiliary feedwater pump were in use to maintain Steam Generator water level. Plant Procedure General Operating Instruction (GOI)-3, "Plant Shutdown from Power Operation to Hot Standby" was being used by the Control Operator to direct activities to shutdown the Plant. The Control Operator directed an operator to stop the operating main feedwater pump. When the operating main feedwater pump was stopped the (ESF) auxiliary feedwater pumps (AFPs) automatically started. After confirming that the cause of the automatic AFP start was from a "loss of both main feedwater pumps" signal, the signal was blocked. Both ESF auxiliary feedwater pumps were then secured and their automatic start signals reset.

CAUSE OF OCCURRENCE

The cause of this event was personnel error in not following the GOI-3 procedure. The procedure has a specific step to block the AFP's start signal prior to stopping the operating main feedwater pump.

CORRECTIVE ACTION

Corrective action was to hold the responsible individual accountable by implementing appropriate disciplinary action. Additionally, this event was discussed in a Lessons Learned Bulletin.

SIGNIFICANCE OF OCCURRENCE

Steam Generator (SG) water levels were being maintained by the non-ESF Auxiliary feedwater pump. Thus, the ESF auxiliary feedwater pumps were not required to maintain SG water levels. This event had no effect on public health and safety.