



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

January 12, 1990
CPY-017-90

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

Gentlemen:

Licensee Event Report No. 89-30 is attached. This report discusses an event in which the chlorine detector response time was not known to meet an assumption in the toxic gas analysis.

Sincerely,

C. P. Yundt
General Manager
Trojan Nuclear Plant

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

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

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

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 1
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TITLE (4) Chlorine detector response time greater than that used in the toxic gas analysis due to not specifying a response time in the design specification for the detector

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)
1	2	1 2 8 9	8 9	0 3 0	0 0	0	1	1 2 9 0	N/A		0 5 0 0 0
									0 5 0 0 0		

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)									
POWER LEVEL (10) 0 9 7	20.402(b)	20.406(e)	80.73(e)(2)(iv)	73.71(b)						
	20.406(a)(1)(i)	80.38(e)(1)	80.73(e)(2)(v)	73.71(e)						
	20.406(a)(1)(ii)	80.38(e)(2)	X 80.73(e)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	20.406(a)(1)(iii)	X 80.73(e)(2)(i)	80.73(e)(2)(viii)(A)							
	20.406(a)(1)(iv)	80.73(e)(2)(ii)	80.73(e)(2)(viii)(B)							
20.406(a)(1)(v)	80.73(e)(2)(iii)	80.73(e)(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 NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	

SUPPLEMENTAL REPORT EXPECTED (14)	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR 0 1 2 6 9 0
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

While verifying response time of the chlorine detectors with the manufacturer, the design engineering group determined that the response time of the installed chlorine detectors was greater than the time assumed in the toxic gas analysis. Both trains of chlorine detectors were declared inoperable on December 12, 1989 at 1708, and the Control Room Emergency Ventilation System (CB-1) was placed in the recirculation mode of operation as required by the Technical Specifications (TS). Parallel efforts are being pursued to restore the detectors to operation or install new detectors. While actions were in-progress to restore the chlorine detectors to operation, it was necessary to ventilate the Control Room to maintain the air quality. This was done by opening outside air dampers required to be closed with inoperable chlorine detectors, thus entering TS 3.0.3, "Applicability". Nine entries were made into TS 3.0.3 for this purpose between December 15, and December 28, 1989, when a temporary TS amendment was issued to allow ventilation of the Control Room and performance of the Control Room pressurization surveillance test with both trains of chlorine detectors inoperable.

To restore CB-1 to operation a change was made to the TS bases redefining the phrase, "recirculation mode". While implementing this change, the outside air damper for CB-1 train 'B' opened when the damper control switch was placed in 'auto' with the fan running. Operations personnel closed the damper, stopped the fan and then aligned CB-1B in 'auto'. A full LER discussing this event will be submitted by January 26, 1990.