

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Washington Nuclear Plant - Unit 2

DOCKET NUMBER (2)
0 5 0 0 0 3 9 1 7 1

PAGE (3)
1 OF 0 1 2

TITLE (4)
Auto Start of the Control Room Emergency Filtration System on Hi Chlorine

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)
08	24	84	84	093	000	09	17	84			0 5 0 0 0
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)											

OPERATING MODE (9) 5	20.402(b)	20.406(c)	X	90.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0,0,0	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)(vii)	X 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)	50.72(b)(2)(ii)
	20.406(a)(1)(iv)	50.73(a)(2)(ii)		90.73(a)(2)(viii)(B)	
	20.406(a)(1)(v)	50.73(a)(2)(iii)		90.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME
R. L. Koenigs, Compliance Engineer

TELEPHONE NUMBER
510 931 7711

AREA CODE
251011

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)
Ext. 2279

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS
A	KND	DET	M028	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (if you complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

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

A false Hi Chlorine signal from the Control Room Ventilation Chlorine Detector, WOA-SR-16, actuated the Control Room Emergency Filtration System. The false signal was the result of depletion of chlorine sensitive tape which discolors on contact with chlorine or, as in this case, on extended exposure to dirt and moisture.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (If more space is required, use additional NRC Form 388A's) (17)

Plant Conditions

- a) Power Level - 0%
- b) Operational Mode - 5

Event

On 8-24-84 the chlorine detector on the inlet of the Control Room Ventilation System, WOA-SR-16, ran out of tape causing a Hi Chlorine signal which started the Control Room Emergency Filtration System. The paper tape in the detector is chemically treated to react with chlorine and produce a color change which is sensed by an optics block as ppm chlorine in the air. When the tape is depleted the last piece can remain in the flow stream and consequently begins to discolor as dirt and moisture accumulate. This discoloration was sensed as increasing chlorine and eventually reached the alarm setpoint which actuated the filtration system. The detectors are checked daily by utility instrument and control personnel using a plant procedure and the low level of tape was noticed on the previous shift but was not changed out in time to prevent complete depletion, due to technicians awaiting the arrival of the next shift technician who was expected to bring in the keys to the detector.

Immediate Corrective Action

The tape was replaced in WOA-SR-16, the alarm reset, and the Control Room Emergency Filtration System returned to its normal standby configuration.

Future Corrective Action

The fact that there are redundant chlorine detector cabinet keys in the I&C shop and the Radwaste Control Room has been reemphasized to the technicians.

Safety Significance

This event carries no safety significance as all equipment operated correctly to place the Control Room Ventilation System in an isolation configuration.

Similar Events

Refer to LER 84-057 for similar event.

Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

Docket No. 50-397
September 17, 1984

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 84-093

Dear Sir:

Transmitted herewith is Licensee Event Report No. 84-093 for WNP-2 Plant. This report is submitted in response to the report requirements of 10CFR50.73 and discusses the item of reportability, corrective action taken, and action taken to preclude recurrence.

This is the follow-up report to the verbal notification given at 0200 hours on August 24, 1984.

Very truly yours,

JM Powers for

J. D. Martin (M/D 927M)
WNP-2 Plant Manager

JDM:mm

Enclosure:
Licensee Event Report No. 84-093

cc: Mr. John B. Martin, NRC - Region V
Mr. A. D. Toth, NRC - Site (901A)
Ms. Dottie Sherman, ANI
INPO Records Center - Atlanta, GA

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