NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Washington Nuclear Plant - Unit 2	0 5 0 0 0 3 9 7	1 OF 0 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)
0 6	0 5	8 4								0 5 0 0 0
0 6	1 2	8 4	8 4	0 5 7	0 0	0 6	2 8	8 4		0 5 0 0 0

OPERATING MODE (9)	POWER LEVEL (10)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
2	0 0 3	20.402(b)	20.405(c)	X 50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	X OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	50.72(b)(2)(ii)
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
C.M. Powers, Reactor Engineering Supervisor	5 0 9 3 7 7 - 2 5 0 1 Ext. 2996

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
A	K N	D E T	M 0 2	B N							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

A false high chlorine signal from the ventilation chlorine detector, on sample rack WOA-SR-15, started the Control Room Emergency Filtration System. The false chlorine signal was a result of depletion of chlorine sensitive paper tape which discolors on contact with chlorine or extended exposure to moisture.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

Plant Conditions

	Event 1	Event 2
a) Rx Power	0%	3%
b) Mode Switch	4 - Refueling	2 - Startup

Event

1. On 6-5-84 WOA-SR-15, the Chlorine Detector on the inlet for the Control Room ventilation, ran out of tape. This tape is chemically treated to produce a color change when exposed to chlorine in the air stream. The resulting color change is measured by an optics block and converted to a signal proportional to ppm chlorine present in the influent. When the tape in the detector ran out the last portion was left in front of the optics block and began to discolor as dirt and moisture accumulated. This discoloration was sensed as increasing chlorine, eventually causing a hi alarm which started the Control Room Emergency Filtration System. A fresh roll of paper tape will run for approximately 7 days.

2. On 6-12-84 WOA-SR-15 again ran out of tape with the same consequences listed above.

Immediate Corrective Action

In both cases the tape was replaced in WOA-SR-15, the alarm reset, and the Emergency Filtration System returned to its normal standby configuration.

Future Long Term Corrective Action

Daily checks of this sample rack are provided in plant procedure PPM 10.24.166, PM Daily Check of WOA-SR-15 & 16 Chlorine Monitors. The importance of implementing the directions contained in this procedure has been re-emphasized to the maintenance organization. In response to this, the Instrument and Controls group has developed a checklist of required daily actions to ensure the chlorine detectors are properly serviced.

Safety Significance

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

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

Docket No. 50-397
June 28, 1984

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

Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 84-057

Dear Sir:

Transmitted herewith is Licensee Event Report No. 84-057 for WNP-2 Plant. This report is submitted in response to the report requirements of Technical Specification Section 6.9.1.7 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 0215 & 1655 hours on June 5 & June 12, 1984 respectively.

Very truly yours,

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

JDM:mm

Enclosure:
Licensee Event Report No. 84-057

cc: Mr. John B. Martin, Administrator
Region V, Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
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Walnut Creek, California 94596
Mr. A. D. Toth, NRC Resident Inspector (901A)
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