

## LICENSEE EVENT REPORT (LER)

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

TITLE (4)

## Unusual Event Declared During Reported Fire

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	9	0	1	8	4	8	4	0	9	2	7	8	4	0	5	0	0	0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																						
POWER LEVEL (10)	0, 6, 5	20.402(b)	20.406(a)(1)(i)	20.406(a)(1)(ii)	20.406(a)(1)(iii)	20.406(a)(1)(iv)	20.406(a)(1)(v)	20.406(a)(1)(vi)	20.406(c)	50.36(a)(1)	50.36(a)(2)	50.73(a)(2)(i)	50.73(a)(2)(ii)	50.73(a)(2)(iii)	50.73(a)(2)(iv)	50.73(a)(2)(v)	50.73(a)(2)(vi)	50.73(a)(2)(vii)	50.73(a)(2)(viii)(A)	50.73(a)(2)(viii)(B)	50.73(a)(2)(ix)	73.71(b)	73.71(e)	X OTHER (Specify in Abstract below and in Text, NRC Form 365A)
																								50.72(a)(1)(i)

LICENSEE CONTACT FOR THIS LER (12)  
NAME  
R. L. Koenigs, Compliance Engineer

TELEPHONE NUMBER

AREA CODE  
5 0 1 9 3 1 7 7 - 1 2 5 0 1

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS											
A	K	P	-	-	P	D	3	0	2	N										

SUPPLEMENTAL REPORT EXPECTED (14)

YES (if yes, complete EXPECTED SUBMISSION DATE) X NO  
EXPECTED SUBMISSION DATE (15)

ABSTRACT (Limit to 1400 spaces - a space or thirty-five single-space typewritten lines) (16)

A Deluge System on the 471' elevation of the Turbine Generator Bldg. was actuated due to a steam leak. Fire Pump FP-P-110 (a 2500 gpm diesel driven unit) was started due to the deluge system actuation. Two pre-action systems in the DG Bldg. also tripped. Operators were dispatched to investigate the fire alarms. About five minutes later, an FP-P-110 trouble alarm was received in the Control Room. Shortly after the Turbine Generator and Diesel Generator systems were secured a fire alarm was received for the Water Filtration Bldg. Security informed the Control Room that smoke was coming from the Water Filtration Bldg. An operator was dispatched to investigate and found smoke coming from the building. An Unusual Event was declared at this time. After arrival of the Auxiliary Fire Brigade van, the operator entered the building. No flames were found; he then shut down FP-P-110. Further investigation found that the smoke was caused by lack of cooling water to the FP-P-110 diesel engine. The cooling water supply valve was found shut; it has since been locked open and added to the locked valve list. The steam leak which activated the Deluge System has been repaired.

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PDR ADOCK 05000397  
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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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

TEXT (If more space is required, use additional NRC Form 388A (2) (17))

Plant Conditions

- a) Plant Mode - 1
- b) Power Level - 65%

Event

With the Plant operating in mode 1 at 65% power, at approximately 1220 hours, a fire alarm was received in the Control Room (CR) as a result of a steam leak activating a thermal detector. This thermal detector initiated deluge system 56, discharging water on the 471 ft. elevation of the Turbine Generator Building (TGB). The pressure drop caused by deluge system 56 activation caused FP-P-110, a 2500 gpm diesel driven fire pump located in the Water Filtration Building (WFB), to start. Alarms were also received from system 82 and 84, apparently due to the pressure surge. The Control Room Supervisor dispatched two (2) Equipment Operators (EO) to investigate, one to 471 TG and one to the Diesel Generator Building (DGB). After determining that there was no fire, the EO dispatched to the 471 TG isolated pre-action system 67 on the assumption that the water being discharged was from that system. At approximately 12:27, system 56 was isolated. The EO sent to the DGB investigated and isolated system 82 and 84. Approximately five (5) minutes into the investigation of the fire alarms, a trouble alarm from FP-P-110 was observed in the Control Room.

At approximately 12:30 a fire alarm was received in the CR from the WFB, which is outside the protected area. The CR contacted the Fire Brigade Leader who dispatched an EO to investigate the cause of the alarm. At 12:42 Security observed white smoke coming from the WFB and called the CR. The Shift Manager requested Security to contact Hanford Fire Department (HFD) and declared an Unusual Event.

Immediate Corrective Action

The EO arrived at the WFB and confirmed that smoke was coming from the building. The EO attempted to ventilate the building by opening the doors. Upon arrival of the Auxiliary Fire Brigade van, at approximately 12:44, the EO donned a Scott Air Pack and entered the building. Initial investigation did not reveal the source of the smoke; FP-P-110 was shut down and the EO exited the building. Additional members of the WNP-2 Fire Brigade arrived on the scene at this time. Hanford Fire Department arrived on the scene at approximately 12:58, they were advised of the "no fire" situation by WNP-2 Fire Brigade Leader. After confirmation, HFD left the scene. Salvage and overhaul was initiated by the fire brigade. At approximately 13:17 a fire was discovered in the operating overhead fan used for ventilation. This fire was apparently electrical in nature and resulted from the steam/evaporated glycol mixture of the overheated diesel. The fire was extinguished by the fire brigade and the WNP-2 Fire Brigade returned to the Plant.

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			- 0 9 1 6	- 0 1 0 0	1 3	OF	0 1 3

TEXT (If more space is required, use additional NRC Form 368A s) (17)

Further Corrective Action

Later when an EO was sent out to "Tag-Out" the pump, he was requested by the Fire Brigade Leader to inspect FP-V-190, (Cooling Water to Diesel Engine). The valve was found in a closed position.

FP-V-190 had been checked during a monthly Fire Protection System valve lineup one week prior to this incident and reported closed at that time. The valve was left in the open position and no maintenance was performed on the fire pump in the interim prior to the fire. No cause for FP-V-190 to be closed has been found. FP-V-190 and FP-V-191 are now locked open and have been added to the locked valve list.

Pre-action systems 67, 82 and 84 were returned to service. The steam leak which activated the Deluge System was repaired and system 56 then returned to service.

The diesel engine was inspected and several seals associated with the heat exchanger were replaced. The oil, oil filter and thermostat were replaced and the diesel fire pump returned to service.

The overhead fan in the WFB is one of three installed fans and does not limit operations. It will be repaired as maintenance priorities permit.

Safety Significance

This event did not at any time pose a threat to Plant safety or that of the general public. Three other fire pumps, supplied from a separate water supply, remained available to pressurize the Fire Suppression System header during this event and at no time was the Plant operated outside the Plant Technical Specifications.

## Washington Public Power Supply System

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

Docket No. 50-397  
September 27, 1984

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

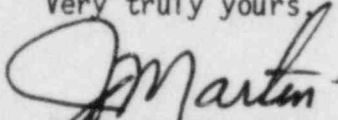
Subject: NUCLEAR PLANT NO. 2  
LICENSEE EVENT REPORT NO. 84-096

Dear Sir:

Transmitted herewith is Licensee Event Report No. 84-096 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 approximately 1300 hours on September 1, 1984.

Very truly yours,



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

JDM:mm

Enclosure:  
Licensee Event Report No. 84-096

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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