

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
 Washington Nuclear Plant - Unit 2

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

PAGE (3)
 1 OF 0 2

TITLE (4)
 Reactor Automatic Trip Due to High Pressure

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)
05	18	84	84	045	000	06	14	84			050000
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)											

OPERATING MODE (9) 1	20.402(b)	20.406(c)	X	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0.20	20.406(a)(1)(i)	50.38(e)(1)		50.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	50.38(e)(2)		50.73(a)(2)(vii)	X OTHER (Specify in Abstract below and in Text, NRC Form 366A) 50.72(b)(2)(ii)
	20.406(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)	
	20.406(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)	
	20.406(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME
 L.D. Kassakatis, Plant Compliance Engineer

TELEPHONE NUMBER
 AREA CODE: 509
 NUMBER: 377-2501
 Ext. 2201

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRRDS
X	JJ	RV	NA	N					
X	JJ	PS	NA	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (if yet complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

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

A Reactor High Pressure Trip occurred as a result of Main Steam Bypass valve closure due to low hydraulic fluid (DEH) pressure, which resulted when the main turbine was manually tripped.

Immediate corrective action was to reopen the Main Steam Bypass valves to reduce Reactor pressure and control cooldown rate.

The Turbine Auto Stop relief valves were reworked and the auto start setpoint for the standby DEH pump was adjusted to start at a higher reservoir level to insure an adequate supply of DEH fluid and therefore sufficient pressure to maintain bypass valve operation under transient conditions.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		84	045	010	02	OF 02

TEXT (If more space is required, use additional NRC Form 368A (2) (17))

- a) Power Level - 20%
- b) Plant Mode - 1
- c) During Plant Ascension Test Program

Event

On 5/18/84 prior to rolling the turbine generator, the main steam bypass valves, MS-V-160A,B,C,D, closed due to low hydraulic fluid (DEH) pressure resulting in an Automatic High Pressure Reactor Trip at 1037 psig. Prior to the Reactor trip (approximately 20 seconds) the Main Turbine was manually tripped lowering DEH pressure which was already below its normal operating range. DEH pressure then started increasing due to a reduced fluid demand as a result of tripping the Main Turbine but not at a rate sufficient to prevent a Reactor trip. Immediately following the Reactor trip the standby DEH pump was started and MS-V-160A,B,C,D were reopened to control Reactor pressure.

Immediate Corrective Action

The Reactor remained shutdown while the cause of the low DEH pressure was investigated and rework completed.

Further Corrective Action

The cause of the low DEH pressure was low turbine auto stop oil pressure resulting in the Turbine DEH interface valve partially opening. Subsequent cleaning of the auto stop relief valve corrected this problem.

The auto start setpoint for the standby DEH pump was raised to a higher level to insure adequate flow to avoid future low DEH pressure conditions.

Safety Significance

The Reactor Protection System functioned as designed and Plant Operators took the proper corrective actions. The assessment was made that the pressure excursion as a result of low DEH pressure posed no danger to the Plant personnel or to the public.

Washington Public Power Supply System

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

Docket No. 50-397
June 14, 1984

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

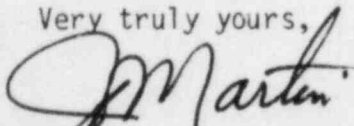
Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 84-045

Dear Sir:

Transmitted herewith is Licensee Event Report No. 84-045 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 1714 hours on May 18, 1984.

Very truly yours,



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

JDM:mm

Enclosure:

Licensee Event Report No. 84-045

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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