

LICENSEE EVENT REPORT (LER)

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

TITLE (4)

Reactor Scram

EVENT DATE (6)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)																					
MONTH	DAY	YEAR		SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES				DOCKET NUMBER(S)																	
1	0	2	0	8	4	8	4	-	1	1	2	-	0	0	1	1	0	8	8	4	0	5	0	0	0					

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § 1.124 (Check one or more of the following: (1))				
1		20.402(b)	20.406(a)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
POWER LEVEL (10)	0.410	20.406(a)(1)(i)	50.36(a)(1)	<input type="checkbox"/>	50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
		20.406(a)(1)(ii)	50.36(a)(2)	<input type="checkbox"/>	50.73(a)(2)(vi)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)
		20.406(a)(1)(iii)	50.73(a)(2)(i)	<input type="checkbox"/>	50.73(a)(2)(vii)(A)	
		20.406(a)(1)(iv)	50.73(a)(2)(ii)	<input type="checkbox"/>	50.73(a)(2)(vii)(B)	50.72(b)(2)(ii)
		20.406(a)(1)(v)	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)	
NAME	TELEPHONE NUMBER
	AREA CODE
R. L. Koenigs, Compliance Engineer	51019 31 7 71-1 2151011

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
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SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If in compliance EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO				

ABSTRACT 1-107 12 1400 (pages 8 8000) 1985 1 Year single-space typewritten lines (16)

During the performance of a Power Ascension Test, a Plant operator initiated a 5 PSI setpoint change from 950 PSIG to 945 PSIG. The DEH Control Console did not accept digit "4", therefore the new setpoint became 95 PSIG instead of 945. The omission of the digit "4" in new setpoint was unnoticed and the test was initiated which caused the turbine bypass valves to open fully. Reactor pressure was then reduced to less than 831 PSIG with the resultant closure of the MSIV's and a Reactor Scram.

Reactor recovery procedures were followed and the Plant was brought to cold shutdown.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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

TEXT (If more space is required, use additional NRC Form 386A's) (17)

Plant Conditions

- a) Reactor Power - 40%
b) Plant Mode - 1

Event

At 2225 hours on 10/20/84 with reactor pressure at 950 PSIG, a pressure change was initiated as part of a Power Ascension Test. The setpoint change was from 950 PSIG to 945 PSIG. However, when 945 was set, the "4" digit did not enter into the setpoint, with the result that 95 became the new low setpoint. This omission of the digit "4" was unnoticed by the operator, who then proceeded to initiate the pressure change by depressing the "GO" pushbutton.

Consequently the turbine bypass valves opened fully to meet the new pressure setpoint, thereby decreasing reactor pressure rapidly to less than 831 PSIG, which initiated closure of MSIV's and the resultant Scram.

Immediate Corrective Action

A manual Scram Recovery was performed by Plant operators.

Further Corrective Action

The Operations Manager and Shift Manager reviewed the incident with the operator involved. The necessity of verifying inputs to the DEH controller prior to initiating turbine control changes, was stressed to all control room operators.

Additional tests of the DEH pressure controller found no fault in the area of the digital input and/or display. Poor visibility of the DEH display was judged as a contributing factor in this event.

For interim corrective action a Maintenance Work Request (MWR) has been issued to minimize glare and improve visibility by installing light shields around the digital displays on DEH Control Panel.

To complete the corrective action, a Plant Modification Record is being initiated to change out the present digital display with a LED type which will give much better visibility and clarity.

Safety Significance

This event did not compromise the health and safety of the public. The 831 PSIG setpoint is a feature which was included in the Plant design to anticipate pressure and flux transients following MSIV closure and thereby ensure Reactor vessel pressure and fuel thermal/hydraulic safety limits are not compromised. All systems functioned as designed to shut down the Reactor.

Washington Public Power Supply System

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

Docket No. 50-397

November 8, 1984

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

Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 84-112

Dear Sir:

Transmitted herewith is Licensee Event Report No. 84-112 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 2330 hours on October 20, 1984.

Very truly yours,

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

JDM:mmm

Enclosure:
Licensee Event Report No. 84-112

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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