

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)  
Washington Nuclear Plant - Unit 2

DOCKET NUMBER (2)  
050000397

PAGE (3)  
1 OF 02

TITLE (4)  
RCU Isolation on High Delta Flow

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)
11	10	84	84	119	00	11	20	84			050000
											050000

OPERATING MODE (9) 3

POWER LEVEL (10) 0.00

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)

<input checked="" type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(a)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.38(a)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(e)
<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.38(a)(2)	<input type="checkbox"/> 50.73(a)(2)(vi)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 366A)
<input type="checkbox"/> 20.405(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(vii)(A)	50.72(b)(2)(ii)
<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(vii)(B)	
<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME: R. L. Koenigs, Compliance Engineer

TELEPHONE NUMBER: 509 377-2501

AREA CODE: 509

Ext. 2279

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS
X	G E F T	-	R 3 6 9	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, 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)

With the Plant in a hot shutdown condition, an automatic RCU (Reactor Water Cleanup) System isolation occurred while shifting RCU flow return from the main condenser to the reactor vessel on 11/10/84. The isolation was attributed to air in an instrument sensing line. The sensing line was vented and the RCU system was returned to service.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Washington Nuclear Plant - Unit 2	DOCKET NUMBER (2)  0 5 0 0 0 3 9 7 8 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		84	119	00	02	OF	02

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

Plant Conditions

- a) Plant Mode - 3
- b) Power Level - 0%

Event

On 11/10/84, at approximately 1820 hours, a RWCU High Delta Flow Trip actuated an NSSSS (Nuclear Steam Supply Shutoff System) isolation signal which resulted in closure of RWCU-V-1 and RWCU-V-4. During the event a Plant cooldown was in progress, with reactor water temperature at approximately 300°F. The isolation occurred while shifting RWCU flow from the main condenser to the reactor vessel.

Immediate Corrective Action

The RWCU system piping was inspected, and no actual leaks were found. RWCU-FT-41 was checked and found functional, although air was found in the sensing lines. The partially filled lines caused an erroneous RWCU-FT-41 flow signal which resulted in a high delta flow mismatch and a system isolation. The sensing lines for RWCU-FT-41 were vented, the isolation signals for RWCU-V-1 and RWCU-V-4 were reset and the RWCU system was placed back in service.

Further Corrective Action

A Plant Modification Record was previously written which requested improvements to the RWCU delta flow instrumentation. This request is currently being worked.

Safety Significance

The occurrence of this event did not affect the safety of the Plant or that of the public. The system functioned to isolate in accordance with its design basis and no actual leak existed in the RWCU system.

Similar Events

See LER 84-072-00

## Washington Public Power Supply System

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

Docket No. 50-397

December 6, 1984

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

Subject: NUCLEAR PLANT NO. 2  
LICENSEE EVENT REPORT NO. 84-119

Dear Sir:

Transmitted herewith is Licensee Event Report No. 84-119 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 2102 hours on November 10, 1984.

Very truly yours,

*C. M. Pavers for*

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

JDM:mm

Enclosure:

Licensee Event Report No. 84-119

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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