

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	
TITLE (4) RCIC Isolations on High Steam 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 (5)							
														0 5 0 0 0							
*			8 4	0 8 2	0 1 1	0 2 5	8 4							0 5 0 0 0							
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5 (Check one or more of the following) (11)																			
★		20 402(b)				20 406(c)				X 50.73(a)(2)(iv)				73.71(b)							
POWER LEVEL (10)		★ 20 406(a)(1)(i)				50 36(e)(1)				50.73(a)(2)(v)				73.71(e)							
		20 406(a)(1)(ii)				50 36(e)(2)				50.73(a)(2)(vi)				X OTHER (Specify in Abstract below and in Text NRC Form 356A)							
		20 406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)				50.72(b)(2)(ii)							
		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										TELEPHONE NUMBER											
R. L. Koenigs, Compliance Engineer										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 NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS												
X	B N P D I S	B O 8 0	N																		
SUPPLEMENTAL REPORT EXPECTED (14)																					
X YES (If so, complete EXPECTED SUBMISSION DATE)																					
NO																					
EXPECTED SUBMISSION DATE (15)																					
0 1 3 0 8																					

On 8/2/84 and 8/23/84 the reactor was shutdown with the Reactor Core Isolation Cooling (RCIC) System in use to maintain reactor water level. On both dates spurious high steam flow isolations occurred. The isolations occurred at reactor pressures of between 150 to 300 psig.

It was verified that no steam leakage had occurred. After the 8/2/84 event the Condensate System was placed into operation to provide reactor water makeup. Following the 8/23/84 event the RCIC was returned to service.

On 10/4/84 the reactor was shutdown, and on decreasing vessel pressure, RCIC isolated on spurious high steam flow. This isolation occurred with vessel pressure between 150 to 200 psig.

* <u>Date</u>	<u>Operating Mode</u>	<u>Power Level</u>
Event 1 08/02/84	3**	000
Event 2 08/23/84	3	000
Event 3 10/04/84	3	000

**Mode switch in refueling (5) position to support surveillance.

8410310110 841025
PDR ADCK 05000397
S PDR

IE22
11

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 (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Washington Nuclear Plant - Unit 2	0500039784	—	082	—	01	02	OF 02

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

Plant Conditions

	<u>8/2/84</u>	<u>8/23/84</u>	<u>10/04/84</u>
a) Power Level -	0%	0%	0%
b) Operational Mode -	3*	3	3

*Mode switch in refueling position to support SRM surveillance.

Event

On 8/2/84 and 8/23/84, following reactor shutdowns (all control rods fully inserted) Reactor Core Isolation Cooling (RCIC) System isolations occurred while the RCIC system was being used to maintain reactor water level. The isolations resulted from Division II RCIC high steam flow signals, and occurred at reactor pressures of between 150-300 psig during reactor cooldown.

On 10/4/84, following reactor shutdown, the RCIC system isolated. RCIC was not being used. The isolation resulted from Division II high steam flow signals with vessel pressure between 150 to 200 psig.

In all instances, no other indications were present to support actual high steam flow conditions.

Immediate Corrective Action

Plant personnel inspected the piping for leaks and found none. Following the 8/2/84 event the Condensate System was placed in operation and used for reactor water level control. The reference leg for RCIC-DPIS-13B (instrument which originated signal) was filled with water and the instrument recalibrated.

After the 8/23/84 event the system was reinspected for leaks and the RCIC System returned to service.

Following the 10/4/84 event, the system was reinspected and no leaks were found.

Further Corrective Action

Differential pressure transmitters have been installed in line with all 3 differential pressure indicating switches for RCIC Div. I and II isolation. These transmitters are connected to TDAS (Transient Data Acquisition System) for continuous recordings. A followup to this LER will be provided with results of the investigation and corrective actions that are implemented.

Safety Significance

There was no hazard to the safety of the Plant or that of the public. In all cases the Reactor had been shutdown (all control rods were full in) and all safety systems were operational and in standby.

Washington Public Power Supply System

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

Docket No. 50-397
October 25, 1984

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

Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 84-082-01

Dear Sir:

Transmitted herewith is Licensee Event Report No. 84-082-01 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 0100 hours on August 2, 1984, at 0205 hours on August 23, 1984 and at 2305 hours on October 4, 1984.

Very truly yours,

CM Powers for

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

JDM:mm

Enclosure:
Licensee Event Report No. 84-082-01

cc: Mr. John B. Martin, NRC - Region V
Mr. A. D. Toth, NRC - Site (901A)
Ms. Dottie Sherman, ANI
INPO Records Center - Atlanta, GA

IE22
1/1