

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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 2										
TITLE (4)																														
Reactor Protection System Actuation																														
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 5 0 0 0							
0 5 0	8 8	5 8 5		0 3 1		0 0 0		5 3 1	8 5														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 0 0		20.402(b)				20.406(a)				X		50.73(a)(2)(iv)				73.71(b)												
				20.406(a)(1)(i)				50.36(a)(1)						50.73(a)(2)(v)				73.71(e)												
				20.406(a)(1)(ii)				50.36(a)(2)						50.73(a)(2)(vi)				X OTHER (Specify in Abstract below and in Text, NRC Form 365A)												
				20.406(a)(1)(iii)				50.73(a)(2)(i)						50.73(a)(2)(vii)(A)				50.72(b)(2)(ii)												
				20.406(a)(1)(iv)				50.73(a)(2)(ii)						50.73(a)(2)(vii)(B)																
				20.406(a)(1)(v)				50.73(a)(2)(iii)						50.73(a)(2)(x)																
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 1															
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)															Ext. 2279															
CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPDOS											
SUPPLEMENTAL REPORT EXPECTED (14)															EXPECTED SUBMISSION DATE (15)					MONTH	DAY	YEAR								
YES (if yes, complete EXPECTED SUBMISSION DATE)										X NO																				

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

On May 8, 1985, Instrument and Control (I&C) technicians were performing a Reactor Protection System (RPS) Trip System A surveillance of Main Steam Line Hi Radiation. The RPS Trip System "A" Hi radiation setpoint had just been tested and created the expected half scram condition. Before the half scram was reset, operators began to withdraw the Intermediate Range Monitoring System (IRM) detector 'B' from the core. The movement of the detector during the withdrawal operation generated spurious noise spikes which resulted in a half scram condition of RPS Trip System 'B'. A full RPS actuation resulted when RPS Trip System 'A' and 'B' were simultaneously in the tripped condition.

8506070292 850531
PDR ADOCK 05000397
S PDR

IF 22
1/1

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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 5	—	0 3 1	—	0 0 0	2	OF 0 3

TEXT (If more space is required, use additional NRC Form 365A's) (17)

Plant Conditions

- a) Plant Mode - 4
- b) Power Level - 0%

Event

While conducting a Main Steam Line Hi Radiation Channel Functional Test for Reactor Protection System (RPS) Channels A and C, Instrument and Control (I&C) technicians produced a simulated Hi Hi radiation signal which caused RPS Trip System 'A' to actuate creating a half scram condition. Before this half scram condition in RPS Trip System 'A' was reset, Control Room operators began to withdraw Intermediate Range Monitoring System (IRM) detector 'B' from the core. During the withdrawal operation, spurious noise spikes, caused by the physical movement of the probe in its guide tube, were generated. These spikes were of sufficient magnitude to cause the IRM trip units to trip with the IRM Range switches selected to Range 1. This trip caused the corresponding RPS Trip System (Trip System 'B') to trip. With RPS Trip System 'A' already in a tripped condition, a full RPS actuation occurred.

Immediate Corrective Action

Withdrawal of IRMs was immediately discontinued. The RPS actuation was reset and the surveillance was completed.

Further Corrective Action

- o In the future, when IRM detectors are moved during a cold shutdown, operators are being instructed to place the IRM channel in "bypass" or select an IRM Range greater than or equal to range three before moving an IRM. This will effectively attenuate any noise spikes generated by IRM movement and prevent any spurious trips during IRM detector movement.
- o The I&C Department surveillance procedures that require IRM movement will be modified to specify that the IRM channel be placed in "bypass" while detector movement is in progress.

Safety Significance

There were no abnormal conditions present and the Plant was in a cold shutdown condition during this event. All systems performed as designed. There was no threat to the safety of the Plant, its personnel or the public as a result of this event.

Similar Events

Not Applicable

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (3)

PAGE (3)

Washington Nuclear Plant - Unit 2

0 5 0 0 0 3 9 7 8 5 - 0 3 1 - 0 0 0 3 OF 0 3

TEXT (If more space is required, use additional NRC Form 365A's) (17)

EIIS Information

EIIS Reference

Text Reference

System

Component

RPS

JC

Main Steam

MS

IRM Detector

IG

DET

Washington Public Power Supply System

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

Docket No. 50-397

May 31, 1985

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

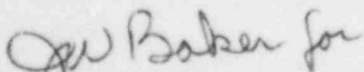
Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 85-031

Dear Sir:

Transmitted herewith is Licensee Event Report No. 85-031 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 1430 hours on May 8, 1985.

Very truly yours,



C. M. Powers (M/D 927M)
WNP-2 Plant Manager

CMP:1a

Enclosure:
Licensee Event Report No. 85-030

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