

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)  
Washington Nuclear Plant - Unit 2

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

PAGE (3)  
1 OF 0 2

TITLE (4)  
Reactor Scram

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)
01	25	85	85	003	0	01	31	85			0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9) 1

POWER LEVEL (10) 1 0 0

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

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(e)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.38(e)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(e)
<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.38(e)(2)	<input type="checkbox"/> 50.73(a)(2)(vi)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)
<input type="checkbox"/> 20.406(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"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(vii)(B)	
<input type="checkbox"/> 20.406(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 NRPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS
X	JJNA		NA	NO					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (if ver. 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)

At approximately 0939 hours on 25 January 1985, WNP-2 received an erroneous 500KV Circuit Breaker Open position signal from the Bonneville Power (BPA) Ashe Substation. The Main Turbine Digital Electro-Hydraulic (DEH) Control System responded by closing the turbine governor valves in an anticipatory mode to prevent excessive turbine overspeed. This resulted in a Reactor Scram and subsequent Plant shutdown.

The erroneous signal was attributed to perturbations in the microwave link between WNP-2 and Ashe Substation which were recorded during the same time period by BPA personnel. The signal was subsequently shifted to a more reliable microwave channel.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		- 0 0	3	- 0 0	0 2	OF 0 2

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

Plant Conditions

- a) Power Level - 100%
- b) Plant Mode - 1

Event

At approximately 0939 hours on 25 January 1985, a 500KV Circuit Breaker Open position signal was received by WNP-2 from the BPA Ashe Substation. The 500KV output breakers for WNP-2 are located at the Ashe Substation which is located directly north of WNP-2. The Main Turbine Digital Electro-Hydraulic Control System responded by closing the main turbine governor valves in an anticipatory mode to prevent excessive turbine overspeed. The governor valve fast closure resulted in a Reactor Scram and subsequent Plant shutdown.

Immediate Corrective Action

Following the reactor scram plant operators successfully completed the normal Scram Recovery procedure. Notification was given to the NRC in accordance with the requirements of 10CFR50.72(b)(2)(ii).

Further Corrective Action

The 500KV Circuit Breaker Open position indication signal was determined to be erroneous and the result of perturbations in the supervisory microwave link between WNP-2 and BPA's Ashe Substation. BPA personnel shifted the signal for the DEH System at WNP-2 from the existing supervisory link to a more reliable microwave link. Now an input variable (i.e., 500KV breaker position) must change state for a corresponding microwave output signal to change. Previously, a continuous input signal was required to maintain an output signal. This change was installed and tested by WNP-2 and BPA personnel and the system declared operable.

Safety Significance

There is no safety significance associated with this event. All systems responded as designed and a safe shutdown followed the reactor scram. The BPA microwave system is non-safety related and the above mentioned change does not impact the ability of the Plant safety systems to operate as required.

Similar Events

None

## Washington Public Power Supply System

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

January 31, 1985

Docket No. 50-397

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

Subject: NUCLEAR PLANT NO. 2  
LICENSEE EVENT REPORT NO. 85-003

Dear Sir:

Transmitted herewith is Licensee Event Report No. 85-003 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 1250 hours on January 25, 1985.

Very truly yours,

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

JDM:mm

Enclosure:  
Licensee Event Report No. 85-003

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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