

# CATEGORY 1

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 RECIP.NAME    RECIPIENT AFFILIATION

SUBJECT: LER 96-003-00: on 960615, required surveillance test not performed when required by TS 3.4.1.3. Caused by inadequate procedures. Implementing surveillance procedure & reactor plant startup procedures revised. W/960712 ltr.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • 3000 George Washington Way • Richland, Washington 99352

July 12, 1996  
GO2-96-138

PER 296-0495

Docket No. 50-397

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

Subject: **NUCLEAR PLANT WNP-2, OPERATING LICENSE NPF-21  
LICENSEE EVENT REPORT NO. 96-003-00**

Transmitted herewith is Licensee Event Report No. 96-003-00 for the WNP-2 Plant. This report is submitted in response to the reporting requirements of 10CFR50.73 and discusses the items of reportability, corrective action taken, and action taken to preclude recurrence.

Should you have any questions or desire additional information, please call me or L.C. Fernandez at (509) 377-4147.

Respectfully,

  
P. R. Bemis

Vice President, Nuclear Operations

*for* P.R. Bemis

PRB/CJF/lr  
Enclosure

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# 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 3

TITLE (4)

Failure to Comply With Technical Specification Surveillance Requirement Due to Inadequate Procedures

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 NUMBERS(S)
0	6	1	5	9	6	9	6	0	0	3
0	6	1	5	9	6	9	6	0	0	3
0	6	1	5	9	6	9	6	0	0	3

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	3	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
			20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.73(c)
			20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
			20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
			20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
			20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME

TELEPHONE NUMBER

C.J. Foley, Licensing Engineer

AREA CODE

5 0 9 3 7 7 - 4 3 2 5

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

EXPECTED SUBMISSION DATE (15)

☐ YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NO

ABSTRACT (16)

At 2024 hours on June 15, 1996, with WNP-2 starting up in Mode 2, a surveillance test required to verify Recirculation System loop flow balance was initiated beyond the time interval required by Technical Specification 4.4.1.3.

The cause of the event was reactor plant startup and surveillance procedures that were incorrect or omitted relevant information. The surveillance test was completed satisfactorily at 2100 hours on June 15, 1996, demonstrating that Recirculation System loop flows were balanced within limits allowed by Technical Specification 3.4.1.3.

The event had no safety significance.

## Plant Conditions Prior to the Event:

At the time of the event, the plant was in Mode 2 with the reactor approximately at the 3% thermal power level. The plant was starting up after completion of the Spring 1996 refueling and maintenance outage.

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					LER NUMBER (8) Year   Number   Rev. No. 9   6   0   0   3   0   0			PAGE (3) 2 OF 3				
TITLE (4) Failure to Comply With Technical Specification Surveillance Requirement Due to Inadequate Procedures														

### Event Description:

At approximately 2015 hours on June 15, 1996, an operator reviewing logs and completed procedures governing activities being performed as part of restarting the plant after the Spring 1996 outage, determined that a surveillance test had not been performed within the period required by the Technical Specifications. The surveillance test was required to verify that Reactor Recirculation System [AD] loop flows were balanced within limits allowed by Technical Specification 3.4.1.3, and should have been performed by June 13, 1996.

### Immediate Corrective Actions:

The required surveillance test was initiated at 2024 hours on June 15, 1996, completed at 2049 hours, and approved by the Shift Manager at 2100 hours.

### Root Cause:

The root cause of this event was reactor plant startup and surveillance procedures that were incorrect or omitted relevant information. The surveillance procedure used to verify Reactor Recirculation (RRC) System loop flow balance contains three separate parts covering three different surveillance requirements: jet pump (P) operability, RRC loop flow balance, and the Average Power Range Monitor flow channel check. The "Purpose" section of this surveillance procedure included the statement, "This surveillance is performed within 24 hours of thermal power exceeding 25% of rated thermal power, in LE [less than or equal to] 4 hours after an idle recirculation loop is returned to operation, and daily thereafter when the reactor is in operational conditions 1 or 2." That is an incorrect statement since it does not reflect the requirement of Technical Specification 3.4.1.3 for daily verification of RRC loop flow balance when in Modes 1 and 2 regardless of reactor power level. Additionally, the procedure governing reactor plant startup stated that the particular surveillance procedure was required after reaching 25% reactor power, and also did not address the Technical Specification requirement to verify RRC loop flow balance on a daily basis after entering Mode 2. These procedural deficiencies required the operating staff to rely on past experience and acquired knowledge to assure that all Technical Specification requirements were met for the proper conditions. Consequently, the root cause of this event was reactor plant startup and surveillance procedures that were incorrect or omitted relevant information.

### Further Corrective Actions:

The implementing surveillance procedure was changed to clearly identify the purposes and conditions under which it is applicable. Additionally, the procedure governing reactor plant startup has been changed to clearly identify both jet pump operability and Reactor Recirculation System loop flow balance must be verified per Technical Specifications 3.4.1.2 and 3.4.1.3.



<b>LICENSEE EVENT REPORT (LER)</b> <b>TEXT CONTINUATION</b>												
<b>FACILITY NAME (1)</b> Washington Nuclear Plant - Unit 2		<b>DOCKET NUMBER (2)</b> 0   5   0   0   0   3   9   7					<b>LER NUMBER (8)</b>			<b>PAGE (3)</b>		
							Year 9   6	Number 0   0   3	Rev. No. 0   0			
<b>TITLE (4)</b> Failure to Comply With Technical Specification Surveillance Requirement Due to Inadequate Procedures										3	OF	3

**Safety Significance:**

The event had no safety significance. As part of the ongoing startup, both Reactor Recirculation System pumps had been started at 15 Hz operation at 2202 hours on June 12, 1996, prior to entering Mode 2 at 2227 hours. Pursuant to the procedure governing operation of the Reactor Recirculation System, loop flow balance had been verified as part of that evolution. Review of plant records between June 12 and June 15, 1996 demonstrated that Reactor Recirculation System loop flows were balanced within limits specified by Technical Specification 3.4.1.3 during the entire interval. Therefore, the system was being operated within Technical Specification 3.4.1.2 and 3.4.1.3 requirements in this interval, although the required Technical Specification surveillance test for loop flow balance verification was not performed until June 15, 1996.

**Other Previous Occurrences:**

Licensee Event Report 88-033-00 identified an event involving a surveillance test related to the control room ventilation system that had not been performed on a timely basis during plant startup.

