NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Washington Nuclear Project - Unit 2	0 5 0 0 0 3 9 7	1 OF 0 2

TITLE (4)

Scram Discharge Volume Drain Line Blockage

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 3	0 6	8 4	8 4	0 2 1	0 0	0 4	0 5	8 4		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	4	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)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(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)	X 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
L. D. Kassakatis, Plant Compliance Engineer	AREA CODE 5 0 9 3 7 7 - 2 5 0 1 Ext. 4727

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	
B	A A	P S X	G 0 8 0	Y							

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)

Long Scram discharge volume drain down times resulted in the decision to disassemble Scram discharge volume drain valves. Disassembly revealed nine small packets of desiccant in one valve body and the upstream piping. These packets were removed, the piping probed and flushed, with no additional packets found. The valves were reassembled and the drain down time determined to be well within the normal range. Scram discharge volume drain down times will be monitored during Plant operation to insure that no additional blockage is occurring.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
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TEXT *(If more space is required, use additional NRC Form 366A's)* (17)

Plant Operating Conditions - Prior To and During the Event:

a) Power Level - Zero
b) Mode - Shutdown
c) Prior to Initial Power Operations

When resetting Scrams due to surveillance testing and other causes, it was noted that the Scram discharge volume drain down times were getting abnormally long (worst case about three hours). Both Scram discharge volume drain valves (CRD-V-11 and CRD-V-181) were taken apart for inspection. Upon disassembly of the upstream drain valve (CRD-V-11) two small packets of desiccant were found in the valve body and seven additional packets in the piping immediately upstream of the valve. The desiccant was removed, the upstream piping probed to the extent possible, and the system gravity flushed to verify that no other foreign material existed. The valves were reassembled and for all subsequent Scrams the drain down times have been in the range of four to eight minutes. The type of desiccant found was determined to be chemically inert and the drain valve mechanical appearance and performance showed no adverse effects from the desiccant or blockage.

The type of desiccant found was compared to the desiccant used in the hydraulic control unit and the system valves and was determined not to be the same. Thus, since the desiccant bags could not easily pass through the 3/4" CRD withdraw line from the control rod drives themselves, the most probable cause was the desiccant bags beings left in the Scram discharge volume piping itself when it was installed.

Corrective Action:

Existing Plant Procedure PPM 3.3.1 "Reactor Scram" requires the collection of data including that which can be used to determine Scram discharge volume drain down time. This data will be reviewed and trended to insure that the drain down times do not increase. If the times do significantly increase, further action will be appropriately taken to determine the cause.

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

Docket No. 50-397
April 5, 1984

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

Subject: **NUCLEAR PROJECT NO. 2**
LICENSEE EVENT REPORT NO. 84-021

Dear Sir:

Transmitted herewith is Licensee Event Report No. 84-021 for WNP-2 Plant. This report is submitted in response to the report requirements of Technical Specification Section 6.9.1.7 and discusses the item of noncompliance, corrective action taken, and action taken to preclude recurrence.

Very truly yours,

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

JDM:de

Enclosure:
Licensee Event Report No. 84-021

cc: Mr. John B. Martin, Administrator
Region V, Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
1450 Maria Lane
Walnut Creek, California 94596
Mr. A. D. Toth, NRC Resident Inspector (901A)

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