

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8706300320 DOC. DATE: 87/06/22 NOTARIZED: NO DOCKET #
 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
 AUTH. NAME AUTHOR AFFILIATION
 ARBUCKLE, J. D. Washington Public Power Supply System
 POWERS, C. M. Washington Public Power Supply System
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-011-01: on 870523, discovered that radwaste bldg
 ventilation exhaust fan WEA-FN-1A operated for 10 h w/o
 effluent sys flow measurement summer WEA-SUM-1 in svc.
 Caused by inadequate checklist. W/870622 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD5 LA	1 1	PD5 PD	1 1
	SAMWORTH, R	1 1		
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2
	AEOD/DOA	1 1	AEOD/DSP/ROAB	2 2
	AEOD/DSP/TPAB	1 1	DEDRO	1 1
	NRR/DEST/ADE	1 0	NRR/DEST/ADS	1 0
	NRR/DEST/CEB	1 1	NRR/DEST/ELB	1 1
	NRR/DEST/ICSB	1 1	NRR/DEST/MEB	1 1
	NRR/DEST/MTB	1 1	NRR/DEST/PSB	1 1
	NRR/DEST/RSB	1 1	NRR/DEST/SGB	1 1
	NRR/DLPQ/HFB	1 1	NRR/DLPQ/QAB	1 1
	NRR/DOEA/EAB	1 1	NRR/DREP/RAB	1 1
	NRR/DREP/RPB	2 2	NRR/PMAS/ILRB	1 1
	NRR/PMAS/PTSB	1 1	REG FILE 02	1 1
	RES DEPY GI	1 1	RGN5 FILE 01	1 1
EXTERNAL:	EG&G GROH, M	5 5	H ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
	NSIC HARRIS, J	1 1	NSIC MAYS, G	1 1

TOTAL NUMBER OF COPIES REQUIRED: LTTR 42 ENCL 40

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

FACILITY NAME (1) Washington Nuclear Plant - Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 3 9 7 1 OF 0 3										PAGE (3)																		
TITLE (4) Radwaste Building Ventilation Exhaust System in Operation Without Flow Measurement Device In Service Due to Inadequate Maintenance Checklist																																						
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 2			3 8			7 8 7			-			0 1 1			-			0 0 0			6 2 2			8 7									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)						20.408(a)						<input checked="" type="checkbox"/> 80.73(a)(2)(iv)						73.71(b)														
						20.408(a)(1)(i)						80.36(a)(1)						<input type="checkbox"/> 80.73(a)(2)(v)						73.71(a)														
						20.408(a)(1)(ii)						80.36(a)(2)						<input type="checkbox"/> 80.73(a)(2)(vi)						OTHER (Specify in Abstract below and in Text, NRC Form 365A)														
						20.408(a)(1)(iii)						80.73(a)(2)(i)						<input type="checkbox"/> 80.73(a)(2)(vii)(A)																				
						20.408(a)(1)(iv)						80.73(a)(2)(ii)						<input type="checkbox"/> 80.73(a)(2)(viii)(B)																				
						20.408(a)(1)(v)						80.73(a)(2)(iii)						<input type="checkbox"/> 80.73(a)(2)(ix)																				
LICENSEE CONTACT FOR THIS LER (12)																																						
NAME J.D. Arbuckle, Compliance Engineer																								TELEPHONE NUMBER AREA CODE 5 0 9 3 7 7 - 2 1 1 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)				MONTH		DAY		YEAR										
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO																												
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																																						
<p>On May 23, 1987 at 1630 hours, it was discovered that Radwaste Building Ventilation Exhaust System Fan WEA-FN-1A was in operation for approximately 10 hours without Effluent System Flow Measurement Summer WEA-SUM-1 in service as required by the Plant Technical Specifications.</p> <p>At the time of the event the Plant was shutdown for a maintenance and refueling outage. As part of the outage, Division 2, 4160 Volt, Critical Bus SM-8 was deenergized for maintenance activities. When SM-8 was deenergized, power to the Summer was interrupted causing the device to be inoperable.</p> <p>The cause of the event has been determined to be an inadequate checklist for identifying those components which would be affected by an SM-8 outage. WEA-SUM-1 was not included in the checklist.</p> <p>There is no safety significance associated with this event in that the on-line exhaust radiation monitor (WEA-SR-25) for the system was in service throughout the event. Analysis of sample results showed all isotopes to be at Minimum Detectable Activity (MDA) levels, except tritium which was at the normal reporting level.</p>																																						

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 (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Washington Nuclear Plant - Unit 2	0 5 0 0 0 3 9 7 8 7	—	0 1 1	—	0 0 0	2	OF 0 3

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Plant Conditions

- a) Power Level - 0%
- b) Plant Mode - 5 (Refueling)

Event Description

On May 23, 1987 at 1630 hours, it was discovered that Radwaste Building Ventilation Exhaust System Fan WEA-FN-1A had been in operation for approximately 10 hours without Effluent System Flow Measurement Summer WEA-SUM-1 in service as required by the Plant Technical Specifications. Power to the Summer was interrupted when Division 2, 4160 Volt, Critical Bus SM-8 was deenergized for maintenance.

At the time of the event the Plant was shutdown for a maintenance and refueling outage. As part of the outage, at 0615 hours, SM-8 was deenergized for the performance of electrical preventive maintenance activities. Prior to deenergizing SM-8, an informal checklist had been prepared which identified those components that would be affected when the bus was removed from service. However, WEA-SUM-1 was inadvertently excluded from the checklist and, as a result, when SM-8 was deenergized, power was lost to the summer causing flow through the Radwaste Ventilation Exhaust System to not be monitored for approximately 10 hours. At 1735 hours, Division 2 power was restored.

The problem was discovered when a Plant Chemistry Technician, while performing Plant Procedure 7.1.2, "HP/Chemistry Daily Channel and Source Checks", attempted to determine Radwaste Building Ventilation Exhaust flow rate using the Transient Data Acquisition System (TDAS) computer.

After several attempts at trying to acquire this data, the technician then received a millivolt readout from the Process Computer and recognized that the reading was indicative of zero flow, meaning the Summer was inoperable. The Technician notified the Shift Manager of the situation and, at 1630 hours, WEA-FN-1A was secured.

The cause of the event has been determined to be an inadequate checklist for identifying those components which would be affected by deenergizing SM-8.

Immediate Corrective Action

WEA-FN-1A was secured and effluent release through the Radwaste Building Ventilation Exhaust System was terminated as required by the Plant Technical Specifications.



LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Washington Nuclear Plant - Unit 2	0 5 0 0 0 3 9 7 8 7	—	0 1 1	—	0 0	0 3	OF 0 3

TEXT (If more space is required, use additional NRC Form 368A's) (17)

Further Corrective Action

A means will be provided to ensure that all components, that would be affected by either an SM-7 or SM-8 outage, are identified.

Safety Significance

There is no safety significance associated with this event in that the on-line exhaust radiation monitor (WEA-SR-25) for the Radwaste Building HVAC System was in operation throughout the event. Analyses of iodine and particulate sample results showed that they were at Minimum Detectable Activity (MDA) levels. Tritium was analyzed and was at the normal reporting level. Accordingly, this event posed no threat to the health and safety of either the public or Plant personnel.

Similar Events

None

EIIS InformationText ReferenceEIIS Reference

WEA-FN-1A

WEA-SUM-1

Radwaste Building HVAC

Critical Bus (Div 2; 4160V) SM-8

Plant AC Distribution System

System

Component

VH

Fan

VH

Summer

VH

EA

Bus

EA

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Docket No. 50-397

June 22, 1987

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

Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 87-011

Dear Sir:

Transmitted herewith is Licensee Event Report No. 87-011 for the WNP-2 Plant. This report is submitted in response to the report requirements of 10CFR50.73 and discusses the items of reportability, corrective action taken, and action taken to preclude recurrence.

Very truly yours,

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

CMP:ac

Enclosure:
Licensee Event Report No. 87-011

cc: Mr. John B. Martin, NRC - Region V
Mr. R. T. Dodds, NRC Site (M/D 901A)
INPO Records Center - Atlanta, GA
Ms. Dottie Sherman, ANI
Mr. D. L. Williams, BPA (M/D 399)

DE22
11