

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8707290143 DOC. DATE: 87/07/22 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 87-016-00: on 870622, control room emergency filtration
 sys automatically initiated due to failure of trip logic to
 reset during performance of reactor bldg exhaust radiation
 monitor surveillance procedure. Cause unknown. W/870722 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
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SAMWORTH, R	1 1		
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AEOD/DOA	1 1	AEOD/DSP/NAS	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
RES TELFORD, J	1 1	RES/DE/EIB	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

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Washington Nuclear Plant - Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 3 9 7 1 OF 13																																		
TITLE (4) Control Room Emergency Filtration System Actuation Due to Failure of Relay to Reset During Surveillance - Cause Unknown																																												
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 6			2 1			2 8			7 8			7			0 1			6			0 0			0 7			2 2			8 7									0 5 0 0 0 0					
OPERATING MODE (9)						THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																																						
POWER LEVEL (10) 0 0 0						38.482(a)						38.482(a)						38.482(a)						73.71(b)																				
						38.482(a)(1)(b)						38.482(a)(1)						38.482(a)(1)						73.71(a)																				
						38.482(a)(1)(b)						38.482(a)(2)						38.482(a)(2)						OTHER (Specify in Abstract below and in Text, NRC Form 308A)																				
						38.482(a)(1)(b)						38.482(a)(3)(i)						38.482(a)(3)(i)(A)																										
						38.482(a)(1)(b)						38.482(a)(3)(i)						38.482(a)(3)(i)(B)																										
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LICENSEE CONTACT FOR THIS LER (12)																				TELEPHONE NUMBER																								
NAME J.D. Arbuckle, Compliance Engineer																				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 NRC				CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NRC																								
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)										MONTH		DAY		YEAR																				
YES (If yes, complete EXPECTED SUBMISSION DATE)										NO																																		

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

On June 22, 1987 at 1020 hours, the Control Room Emergency Filtration System automatically initiated. The initiation was the result of the failure of the trip logic to reset during the performance of a Reactor Building Exhaust Radiation Monitor surveillance procedure. The trip logic failed to reset when Plant personnel depressed the reset pushbuttons during the procedure. This caused there to be a half-trip condition in existence and, when Plant personnel continued with the procedure, another half-trip occurred which resulted in the automatic start of the Emergency Filtration System.

An investigation did not reveal the cause of the failure of the trip logic to reset. Plant personnel attempted to reproduce the failure by re-performing applicable sections of the procedure, but the condition could not be duplicated.

There is no safety significance associated with this event as there was no actual initiating condition and all equipment operated correctly to place the Control Room Ventilation System in an isolation condition.

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PDR ADOCK 05000397
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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	0500039787	0	16	00	2	OF	03

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

Plant Conditions

- a) Power Level - 0%
- b) Plant Mode - 4 (Cold Shutdown)

Event Description

On June 22, 1987, at 1020 hours, a Control Room Emergency Filtration System Fan (WMA-FN-54B) automatically started. The automatic start was the result of the failure of a relay (E-RLY-CR3BX: Division II Isolation Control Relay - FAZ) to reset during the performance of Plant Procedure 7.4.3.2.1.15, "Secondary Containment Isolation Reactor Building Vent Radiation CFT." The procedure provides instructions for performing the Channel Functional Test for Reactor Building Exhaust Air Plenum Radiation Monitor REA-RIS-K609D.

The relay, which provides one trip channel input to WMA-FN-54B, failed to reset when Plant personnel depressed reset WMA Reset Pushbuttons 3BX and 3BY. This caused there to be a half-trip condition in existence and, when Plant personnel continued with the procedure, another relay (E-RLY-CR3BY: Containment Isolation Relay) trip occurred, resulting in the automatic start of WMA-FN-54B.

An investigation did not reveal the cause of the failure of E-RLY-CR3BX to reset. Plant personnel attempted to reproduce the failure by re-performing applicable sections of the procedure, but the condition could not be duplicated.

Immediate Corrective Action

After verification that no actual initiating condition existed, the Control Room Emergency Filtration System was returned to normal lineup.

Further Corrective Action

1. A plant modification document has been prepared to identify the need to include contacts from Relays CR3AX/CR3AY (from RC-1) and CR3BX/ CR3BY (from RC-2) in the RC-1 and RC-2 half-trip annunciator circuits. The modification would provide indication that all half-trip logic was reset when the half-trip annunciator cleared.
2. Further investigation will be performed in an attempt to determine why the trip logic failed to reset.

Safety Significance

There is no safety significance associated with this event as there was no actual initiating condition and all equipment operated correctly to place the Control Room Ventilation System in an isolation condition.



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	05000397	87	016	000	3	03	OF	03	

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

Similar Events

LERs 85-027, 85-036 and 87-009

EIISText ReferenceEIIS Reference

Control Room Emergency Filtration System

System

Component

VH

REA-RIS-K609D

VA

RIS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Docket No. 50-397

July 22, 1987

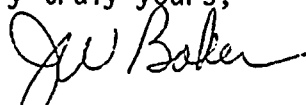
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U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 87-016

Dear Sir:

Transmitted herewith is Licensee Event Report No. 87-016 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 (M/D 927M)
WNP-2 Plant Manager

CMP:mt

Enclosure:
Licensee Event Report No. 87-016

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)

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