

LICENSEE EVENT REPORT

CONTROL BLOCK:

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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	N	J	S	G	S	1	2	0	0	-	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5		
7	8	9	LICENSEE CODE					14	15	LICENSE NUMBER										25	26	LICENSE TYPE					30	57	CAT	58

CON'T

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REPORT SOURCE L 6 0 5 0 0 0 2 7 2 7 0 5 0 1 8 2 8 1 1 1 7 8 3 9
60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | On May 1, 1982, during surveillance testing, the Control Room Operator discovered that

0 3 | the service water flow to No. 12 Containment Fan Coil Unit (CFCU) was less than the

0 4 | 2500 GPM required by the Technical Specifications for low speed operation. No. 12

0 5 | CFCU was declared inoperable, and at 0730 hours, Action Statement 3.6.2.3.a was

0 6 | entered. (82-029, 82-024, 82-22, 81-121, 81-99)

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7 8 9

SYSTEM CODE 0 9		CAUSE CODE S B		CAUSE SUBCODE E		COMPONENT CODE B V A L V E X						COMP SUBCODE A		VALVE SUBCODE G	
7	8	9	10	11	12	13	14	15	16	17	18	19	20		
LER RO REPORT NUMBER 17		EVENT YEAR 8 2		SEQUENTIAL REPORT NO 0 2 9		OCCURRENCE CODE 0 3		REPORT TYPE X		REVISION NO. 1					
21	22	23	24	25	26	27	28	29	30	31	32				
ACTION TAKEN X		FUTURE ACTION X		EFFECT ON PLANT Z		SHUTDOWN METHOD Z		HOURS 0 0 0 0		ATTACHMENT SUBMITTED Y					
33	34	35	36	37	38	39	40	41	42	43	44				
NPRD-4 FORM SUB. Y		PRIME COMP. SUPPLIER N		COMPONENT MANUFACTURER F 1 3 0											
45	46	47	48	49	50										

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Flow Control Valve 12 SW223 had stuck in the closed position, resulting in low

1 1 service water flow to the CFCU. Valve 12 SW223 was exercised, and No. 12 CFCU was

1 2 satisfactorily tested. The unit was declared operable at 1015 hours, May 1, 1982,

1 3 and Action Statement 3.6.2.3.a was terminated. Daily operation of the CFCUs has

1 4 corrected this problem.

FACILITY STATUS				% POWER				OTHER STATUS				METHOD OF DISCOVERY				DISCOVERY DESCRIPTION					
1	5	E	28	0	8	5	29	N/A				30	B	31	Surveillance Testing				32		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
ACTIVITY CONTENT				RELEASED OF RELEASE				AMOUNT OF ACTIVITY				LOCATION OF RELEASE									
1	6	Z	33	Z	34	N/A				35	N/A				36						
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
PERSONNEL EXPOSURES				PERSONNEL INJURIES				LOSS OF OR DAMAGE TO FACILITY				PUBLICITY									
NUMBER				TYPE				DESCRIPTION				ISSUED									
1	7	0	0	0	37	Z	38	N/A				39	1	9	Z	42	N/A				43
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
PERSONNEL INJURIES				LOSS OF OR DAMAGE TO FACILITY				PUBLICITY				ISSUED									
NUMBER				TYPE				DESCRIPTION				ISSUED									
1	8	0	0	0	40	N/A				41	2	0	N	44	N/A				45		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
LOSS OF OR DAMAGE TO FACILITY				PUBLICITY				ISSUED				ISSUED									
TYPE				TYPE				DESCRIPTION				DESCRIPTION									
1	9	Z	42	N/A				42	2	0	N	44	N/A				45				
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
PUBLICITY				ISSUED				ISSUED				ISSUED									
TYPE				TYPE				DESCRIPTION				DESCRIPTION									
1	9	Z	42	N/A				42	2	0	N	44	N/A				45				
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TYPE				TYPE				DESCRIPTION				DESCRIPTION									
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TYPE				TYPE				DESCRIPTION				DESCRIPTION									
1	9	Z	42	N/A				42	2	0	N	44	N/A				45				
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
ISSUED				ISSUED				ISSUED				ISSUED									
TYPE				TYPE</																	

NAME OF PREPARER

R. Frahm

PHONE (609) 935-6000 Ext. 4309

PO 917-326



Public Service Electric and Gas Company P.O. Box E Hancocks Bridge, New Jersey 08038

Salem Generating Station

November 17, 1983

Dr. Thomas E. Murley
Regional Administrator
USNRC
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Dr. Murley:

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 82-029/03X-1
SUPPLEMENTAL REPORT

Pursuant to the requirements of Salem Generating Station
Unit No. 1 Technical Specifications, Section 6.9.1.9.b,
we are submitting supplemental Licensee Event Report for
Reportable Occurrence 82-029/03X-1.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "J. M. Zupko, Jr.", is written above the typed name.

J. M. Zupko, Jr.
General Manager -
Salem Operations

RF:k11 *J42*

CC: Distribution

Report Number: 82-029/03X-1

Report Date: 11-17-83

Occurrence Date: 05-01-82

Facility: Salem Generating Station, Unit 1
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 12 Containment Fan Coil Unit - Inoperable.

This report was initiated by Incident Report 82-104.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 85% - Unit Load 978 MWe

DESCRIPTION OF OCCURRENCE:

On May 1, 1982, during surveillance testing, the Control Room Operator discovered that the service water flow to No. 12 Containment Fan Coil Unit (CFCU) was less than the 2500 GPM required by the Technical Specifications for low speed operation. No. 12 CFCU was declared inoperable, and at 0730 hours Action Statement 3.6.2.3.a was entered.

Redundant CFCUs and both Containment Spray Systems were operable throughout the occurrence.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Flow Control Valve 12SW223 had stuck in the closed position, resulting in low service water flow to the CFCU. The binding of type SW223 valves is apparently associated with the accumulation of scale and corrosion on the valve stems, resulting from the CFCUs being idle between monthly surveillance runs.

ANALYSIS OF OCCURRENCE:

The CFCUs operate in conjunction with the containment spray systems to remove heat and radioactive contamination from the containment atmosphere in the event of a design basis accident. Operability of the equipment is necessary to insure offsite radiation dose is maintained within the limits of 10CFR100. As noted, containment cooling capability was provided by the redundant equipment; no undue risk to the health or safety of the public was therefore involved in this occurrence. The occurrence constituted operation in a degraded mode permitted by a limiting condition for operation and is reportable in accordance with Technical Specification 6.9.1.9b.

ANALYSIS OF OCCURRENCE: (continued)

Technical Specification 3.6.2.3.a requires:

With one group of containment cooling fans inoperable and both containment spray systems operable, restore the inoperable group of containment cooling fans to an operable status within 7 days, or be in at least hot standby within the next 6 hours and in cold shut-down within the following 30 hours.

CORRECTIVE ACTION:

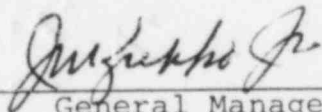
Valve 12SW223 was exercised, and No. 12 CFCU was satisfactorily tested. The unit was declared operable at 1015 hours, May 1, 1982, and Action Statement 3.6.2.3.a was terminated.

Due to recurrent problems of this type, daily operation of CFCUs in low speed was commenced in December 1982 (per revision of Operation Directives 40-46). No further problems have been noted since that time. Running the CFCU results in cycling of the associated control valves and has apparently eliminated the problem with the sticking of these valves.

FAILURE DATA:

Fisher Controls Co.
8 inch Vee-ball Valve
Type 657-8U

Prepared By R. Frahm



General Manager
Salem Operations

SORC Meeting No. 83-118