

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	N	Y	J	A	F	1	2	0	0	-	0	0	0	0	-	0	0	0	3	4	1	1	1	1	4	5								
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34								
LICENSEE CODE														LICENSE NUMBER										LICENSE TYPE										CAT 58	

CON'T

0	1	L	6	0	5	0	0	0	3	3	3	7	0	2	1	4	8	3	8	0	2	2	5	8	3	9					
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
REPORT SOURCE		DOCKET NUMBER										EVENT DATE										REPORT DATE									

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During normal power operation, the "B" RHR pump was removed from service for a

0 3 period of 3 days to inspect and repair the discharge check valve. Surveillance to

0 4 prove operability of redundant equipment was performed in accordance with T.S. para.

0 5 3.5.A.3 and 3.5.B.3, and prior to removing pump from service. The health and safety

0 6 of the public was not affected.

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0 8

0	9	S	F	11	B	12	A	13	V	A	L	V	E	X	14	C	15	A	16	17	8	3	21	0	1	0	24	0	3	28	L	30	0	32	A	18	F	19	Z	20	Z	21	0	0	0	0	37	Y	23	Y	24	A	25	P	3	0	5	44
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60					
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE										COMP. SUBCODE		VALVE SUBCODE		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER												

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Three of four hanger returning cap screws were found missing from the check valve.

1 1 Upon inspection, the fourth cap screw was found sheared. To prevent recurrence of

1 2 this type of failure a carbon steel keeper was welded across cap screw heads. A

1 3 modification to the system has been initiated to reduce line turbulence.

1 4

1	5	E	28	1	0	0	29	N/A	30	A	31	Operator Observation	32
7	8	9	10	11	12	13	14	15	16	17	18	19	20
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION					

1	6	Z	33	Z	34	NA	35	NA	36
7	8	9	10	11	12	13	14	15	16
ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE			

1	7	0	0	0	37	Z	38	NA	39
7	8	9	10	11	12	13	14	15	16
PERSONNEL EXPOSURES NUMBER		TYPE		DESCRIPTION					

1	8	0	0	0	40	NA	41
7	8	9	10	11	12	13	14
PERSONNEL INJURIES NUMBER		DESCRIPTION					

1	9	Z	42	NA	43
7	8	9	10	11	12
LOSS OF OR DAMAGE TO FACILITY TYPE		DESCRIPTION			

2	0	N	44	NA	45
7	8	9	10	11	12
PUBLICITY ISSUED		DESCRIPTION			

8303080506 830225
PDR ADOCK 05000333
S PDR

NRC USE ONLY

NAME OF PREPARER Peter Schlauf

PHONE 315 342-3840

POWER AUTHORITY OF THE STATE OF NEW YORK
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

DOCKET NO. 50-333

ATTACHMENT TO LER 83-010/03L-0

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During normal operation, the "B" RHR pump was removed from service for a period of three days to inspect and repair the discharge check valve. Surveillance tests to prove operability of redundant equipment were in accordance with T.S., paragraphs 3.5.A.3 and 3.5.B.3, and were performed prior to removing the pump from service.

Investigation revealed that three of four disk hanger retaining cap screws were missing from the check valve and that fourth cap screw failed in shear. Corrective action is to weld a carbon steel bar across the heads of the cap screws to act as a keeper in preventing rotation. After repair was completed, a pump operability test was performed and the system returned to normal.

This mode of failure of the discharge check valves has not occurred in the past. A possible cause of cap screw failure is the vibration caused by turbulence from a flow orifice located upstream of the check valve. In an effort to prevent further failures of these check valves, a modification has been initiated to change the location of this orifice and thereby reduce disk vibration.