

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO: Norman C. Moseley

FROM: Tennessee Valley Authority
Chattanooga, Tenn
H. S. Fox

FILE NUMBER
INCIDENT REPORT
DATE OF DOCUMENT
7/14/77
DATE RECEIVED
7/18/77

LETTER
 ORIGINAL
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 NOTORIZED
 UNCLASSIFIED

PROP INPUT FORM

NUMBER OF COPIES RECEIVED
1 CC

DESCRIPTION

DO NOT REMOVE
ACKNOWLEDGED

PLANT NAME: Browns Ferry Nuclear Plant
Unit No. 3
RBT 7/19/77

ENCLOSURE

Licensee Event Report (50-296/77-8) on 6/21/77 concerning the releif valve on the discharge of standby liquid control pump 3A which opened at low pressure and stuck in a partially open position during conduct of SI 4.4.A.1.
1p++5p

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED SEND DIRECTLY TO KREGER/J. COLLINS
1 CY ENCL Rec'd

FOR ACTION/INFORMATION

BRANCH CHIEF: **Schwencer**
W/ 3 CYS FOR ACTION
LIC ASST.: **Sheppard**

INTERNAL DISTRIBUTION

REG FILE	
NRC PDR	
T & E (2)	
MIPC	
SCHROEDER/IPPOLITO	
HOUSTON	
NOVAK/CHECK	
GRIMES	
KNIGHT	
BUTLER	
HANAUER	
TEDESCO	
EISENHUT	
RAER	
SHAO	
VOLLMER/BINCH	
KREGER/ J. COLLINS	
ROSA	

EXTERNAL DISTRIBUTION

LPDR: **Athens, ALA.**
TIC:
NSIC:
ACRS (16) SENT AS CAT. B

CONTROL NUMBER

AD
9

100



100

100

100

100

100

100

100



TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

JUL 14 1977



Mr. Norman C. Moseley, Director
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
230 Peachtree Street, NW., Suite 1217
Atlanta, Georgia 30303

Dear Mr. Moseley:

Regulatory

FILE

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 3 -
DOCKET NO. 50-296 - FACILITY OPERATING LICENSE DPR-68 - REPORTABLE
OCCURRENCE REPORT BFRO-50-296/778

The enclosed report is to provide details concerning the relief valve on the discharge of standby liquid control pump 3A which was observed to open at 1300 psig instead of the designed setting of 1400 psig and which stuck in a partially open position during performance of SI 4.4.A.1. This report is submitted in accordance with Browns Ferry Technical Specifications Section 6. This event occurred on Browns Ferry unit 3.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

H. S. Fox
Director of Power Production

Enclosure (3)

cc (Enclosure):

Director (3)

Office of Management Information and Program Control
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Director (40)

Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

UNITED STATES DEPARTMENT OF JUSTICE

FEDERAL BUREAU OF INVESTIGATION



JUL 19 1970



TO : SAC, NEW YORK (100-100000)

FROM : SAC, NEW YORK (100-100000)

SUBJECT: [Illegible]

RE: [Illegible]

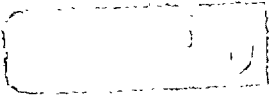
Reference is made to New York airtel dated 7/16/70 and New York letter to Bureau dated 7/16/70.

Enclosed for the Bureau are two copies of a report dated 7/16/70 and two copies of a letter to the Bureau dated 7/16/70.

Very truly yours,
[Illegible Signature]

100-100000-1000

RECEIVED DOCUMENT
PROCESSING UNIT



LICENSEE EVENT REPORT

CONTROL BLOCK:

[PLEASE PRINT ALL REQUIRED INFORMATION]

7	8	9	LICENSEE NAME			LICENSE NUMBER										LICENSE TYPE				EVENT TYPE#							
0	1		A	L	B	R	F	3	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	3	
			14			15										25				26		30		31		32	

7	8	CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER				EVENT DATE			REPORT DATE																	
0	1	CONT		L	L	0	5	0	-	0	2	9	6	0	6	2	1	7	7											
		57		58	59	60				61			68			69			74				75				80			

EVENT DESCRIPTION

7	8	9	0	EVENT DESCRIPTION																		80		
0	2																							80
0	3	(SEE ATTACHED)																						80
0	4																							80
0	5																							80
0	6																							80

7	8	9	SYSTEM CODE		CAUSE CODE	COMPONENT CODE				PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER			VIOLATION			
0	7		S	F	E	V	A	L	V	E	X	N	C	7	1	0	N
			10		11	12				43	44			47	48		

CAUSE DESCRIPTION

7	8	9	0	CAUSE DESCRIPTION																		80		
0	8																							80
0	9	(SEE ATTACHED)																						80
0	10																							80

7	8	9	FACILITY STATUS		% POWER			OTHER STATUS			METHOD OF DISCOVERY		DISCOVERY DESCRIPTION												
1	1		E		0	6	5		NA		B														
			9	10			12			44		45		46				80							

7	8	9	FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE			AMOUNT OF ACTIVITY				LOCATION OF RELEASE													
1	2		Z		Z																				
			9	10			11				44				45				80						

PERSONNEL EXPOSURES

7	8	9	NUMBER			TYPE	DESCRIPTION																	80
1	3		0	0	0	Z	NA																	80
			11			12	13																	80

PERSONNEL INJURIES

7	8	9	NUMBER			DESCRIPTION																	80
1	4		0	0	0	NA																	80
			11			12																	80

OFFSITE CONSEQUENCES

7	8	9	OFFSITE CONSEQUENCES																		80			
1	5	NA																						80

LOSS OR DAMAGE TO FACILITY

7	8	9	TYPE		DESCRIPTION																	80
1	6		Z		NA																	80
			10																			80

PUBLICITY

7	8	9	PUBLICITY																		80			
1	7	NA																						80

ADDITIONAL FACTORS

7	8	9	ADDITIONAL FACTORS																		80			
1	8	NA																						80

7	8	9																			80			
1	9	NA																						80

NAME: _____ PHONE: _____

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NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

July 13, 1977

Mr J G Keppler, Director, Region III
Office of Inspection & Enforcement
U S Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Mr Keppler:

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket No. 50-282 License No. DPR-42

Inoperability of #12 AFWP Discharge Valve

The Licensee Event Report for this occurrence is reproduced on the back of this letter. Enclosed are three copies.

Yours very truly,



L O Mayer, PE
Manager of Nuclear Support Services

LOM/LLT/deh

cc: Director, IE, USNRC (30)
Director, MIPC, USNRC (3)
G Charnoff
MPCA
Attn: J W Ferman

Event Description

During performance of SI 4.4.A.1, the relief valve on the discharge of standby liquid control pump 3A was observed to open at 1300 psig instead of the designed setting of 1400 psig and stuck in a partially open position. The relief valve was removed from the system, disassembled, and the plug, plug guide, and seat were replaced. The valve was tested and was observed to open at 1400 psig. It was then re-installed in the system, and SI 4.4.A.1 was performed satisfactorily. All redundant systems were available. A similar event occurred on this same pump on January 22, 1977, when another relief valve which was subsequently replaced, also opened prematurely. (BFRO -50-296/778)

Cause Description

The inside surface of the plug guide and outside surface of the plug both had a scored area of approximately one-quarter inch square. The scored places caused the relief valve to stick in the open position. It is not known what caused the valve to open at a pressure lower than designed; because after the valve was removed from the system, before parts were replaced, it was tested and found to open at 1400 psig. It is possible that during the throttling process there was a pressure spike causing the valve to lift at its set pressure and stick in the open position. The scoring appears to have been caused by foreign material which worked in the small clearance between the plug and plug guide. The relief valve is a "Crosby" 1 x 2 style JMWK. Replacement parts were installed as indicated in the "Event Description".



Handwritten marks and scribbles in the top right corner, possibly including the number "11" and some illegible characters.



TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

July 14, 1977



Mr. Norman C. Moseley, Director
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
230 Peachtree Street, NW., Suite 1217
Atlanta, Georgia 30303

Regulatory Docket File

Dear Mr. Moseley:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 3 -
DOCKET NO. 50-296 - FACILITY OPERATING LICENSE DPR-68 - REPORTABLE
OCCURRENCE REPORT BFRO-50-296/778

The enclosed report is to provide details concerning the relief valve on the discharge of standby liquid control pump 3A which was observed to open at 1300 psig instead of the designed setting of 1400 psig and which stuck in a partially open position during performance of SI 4.4.A.1. This report is submitted in accordance with Browns Ferry Technical Specifications Section 6. This event occurred on Browns Ferry unit 3.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

H. S. Fox
Director of Power Production

Enclosure (3)

cc (Enclosure):

Director (3)
Office of Management Information and Program Control
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Director (40)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

1 10 10 10 10

Mr. Norman E. Rosely, Director
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
230 Research Street, N.W., Suite 1217
Atlanta, Georgia 30303

Dear Mr. Rosely:

OCURRENCE REPORT BERO-50-256778
DOCUMENT NO. 5-256 - FACILITY OPERATING LICENSES - MISSOURI
TRANSMISSIVE VALLEY AUTHORITY - BROWN'S FERRY NUCLEAR PLANT UNIT 2 -

The enclosed report is to provide details concerning the relief valve
on the discharge of standby liquid control pump 3A which was observed
to open at 1300 p.m. instead of the designed setting of 1400 p.m. and
which acted in a partially open position during performance of
SI & A.I. This report is submitted in accordance with Browns Ferry
Technical Specifications Section 6. This event occurred on Browns
Ferry unit 3.

Very truly yours,

TRANSMISSIVE VALLEY AUTHORITY

W. S. Fox
Director of Power Production

Enclosure (3)
cc (Enclosure):
Director (3)
Office of Management Information and Program Control
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Director (4)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

1977 AUG 1 AM 10 45

RECEIVED DOCUMENT
PROCESSING UNIT

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

01	A	L	B	R	F	3	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	3
7	8	9	14	15	25	26	30	31	32															

01 CONT

7	8	57	58	59	60	61	68	69	74	75	80												
				L	L	0	5	0	-	0	2	9	6	0	6	2	1	7	7				

7	8	9	75	80

EVENT DESCRIPTION

02																					80
03																					80
04	(SEE ATTACHED)																				80
05																					80
06																					80

07	S	F	E	V	A	L	V	E	X	N	C	7	1	0	N								
7	8	9	10	11	12	17	17	43	44	47	48	48											

CAUSE DESCRIPTION

08																					80
09	(SEE ATTACHED)																				80
10																					80

11	E	0	6	5	NA	B	NA																	
7	8	9	10	12	13	44	45	46																

12	Z	Z	NA	NA																				
7	8	9	10	11	44	45																		

PERSONNEL EXPOSURES

13	0	0	0	Z	NA																			
7	8	9	11	12	13																			

PERSONNEL INJURIES

14	0	0	0		NA																			
7	8	9	11	12																				

OFFSITE CONSEQUENCES

15																					80
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LOSS OR DAMAGE TO FACILITY

16	Z	NA																						
7	8	9	10																					

PUBLICITY

17																					80
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ADDITIONAL FACTORS

18																					80
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19																					80
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NAME: _____ PHONE: _____

Event Description

During performance of SI 4.4.A.1, the relief valve on the discharge of standby liquid control pump 3A was observed to open at 1300 psig instead of the designed setting of 1400 psig and stuck in a partially open position. The relief valve was removed from the system, disassembled, and the plug, plug guide, and seat were replaced. The valve was tested and was observed to open at 1400 psig. It was then re-installed in the system, and SI 4.4.A.1 was performed satisfactorily. All redundant systems were available. A similar event occurred on this same pump on January 22, 1977, when another relief valve which was subsequently replaced, also opened prematurely. (BFRO -50-296/778)

Cause Description

The inside surface of the plug guide and outside surface of the plug both had a scored area of approximately one-quarter inch square. The scored places caused the relief valve to stick in the open position. It is not known what caused the valve to open at a pressure lower than designed; because after the valve was removed from the system, before parts were replaced, it was tested and found to open at 1400 psig. It is possible that during the throttling process there was a pressure spike causing the valve to lift at its set pressure and stick in the open position. The scoring appears to have been caused by foreign material which worked in the small clearance between the plug and plug guide. The relief valve is a "Crosby" 1 x 2 style JMWK. Replacement parts were installed as indicated in the "Event Description".



1000