

50-296

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FILE NUMBER

INCIDENT REPORT

N.C. MOSELEY

FROM: TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENN.
H.S. FOX

DATE OF DOCUMENT

3/10/77

DATE RECEIVED

4/6/77

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PROP

INPUT FORM

DESCRIPTION

LTR. TRANS THE FOLLOWING.....

(1P)

PLANT NAME: BROWNS FERRY # 3

SAB

ENCLOSURE

LICENSEE EVENT REPORT FOR R.O. #774 ON 1/15/
77 CONCERNING THE CMFLPD EXCEEDING THE LIMIT.

(1P)

ACKNOWLEDGED
DO NOT REMOVENOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION

BRANCH CHIEF:

W/3 CYS FOR ACTION

LIC. ASST.:

W/1 CYS

ACRS 16 CYS HOLDING/SENT

Schwerner

Sheppard

As CAT B

INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I & E (2)

MIPC

SCHROEDER/IPPOLITO

HOUSTON

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GRIMES

CASE

BUTLER

HANAUER

TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

LPDR: Atkins, A1

TIC:

NSIC:

CONTROL NUMBER

770980247

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TENNESSEE VALLEY AUTHORITY

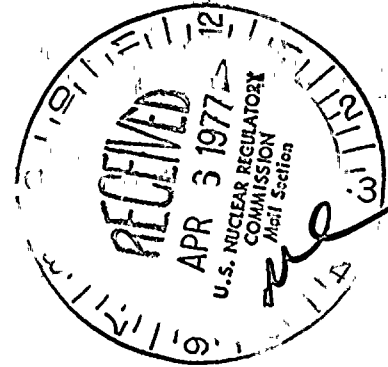
CHATTANOOGA, TENNESSEE 37401

Regulatory

File Cy.

March 10, 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:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 3 -
DOCKET NO. 50-296 - FACILITY OPERATING LICENSE DPR-68 - REPORTABLE
OCCURRENCE REPORT BFRO-50-296/774

The enclosed report is to provide details concerning CMFLPD that exceeded the limit on January 15, and January 18, 1977, and MAPRAT that exceeded the limit on January 18, and January 24, 1977. 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

Joseph W. Fox
for 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

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1. The first part of the report is a summary of the work done during the last year. It is a very brief summary, but it gives a good idea of the work done.

2. The second part of the report is a description of the work done during the last year.

3. The third part of the report is a description of the work done during the last year.

4. The fourth part of the report is a description of the work done during the last year.

5. The fifth part of the report is a description of the work done during the last year.

6. The sixth part of the report is a description of the work done during the last year.

7. The seventh part of the report is a description of the work done during the last year.

8. The eighth part of the report is a description of the work done during the last year.

9. The ninth part of the report is a description of the work done during the last year.

10. The tenth part of the report is a description of the work done during the last year.

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

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

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

EVENT DESCRIPTION

At 2319 hours on 1/15/77 CMFLPD went to 0.998 (limit = 0.992) in node 9 at 3279 MWt. Power was decreased to 3260 MWt by flow reduction to bring CMFLPD to 0.990 at node 9 within 2 hours. At 0300 on 1/18/77 CMFLPD went to 0.994 (limit = 0.992) in node 9 and MAPRAT went to 1.002. Power was reduced with flow about 15 MWe to bring CMFLPD went to 1.003 and (Over)

SYSTEM CODE		CAUSE CODE		COMPONENT CODE					PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION			
R C		F		F U E L X X					N		G 0 8 0				N			
9 10		11		12					43		44				47		48	

CAUSE DESCRIPTION

These limits were exceeded due to gadolinia burnout in the fuel causing an increase in the local LHGR. In all cases, flow decreases reduced power to bring CMFLPD in limits within 2 hours.

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION							
E		0 9 9		N/A		B		N/A							
9		10		12		44		45		46					

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE									
Z		Z		N/A		N/A									
9		10		11		44		45		60					

PERSONNEL EXPOSURES

NUMBER			TYPE		DESCRIPTION	
0 0 0			Z		N/A	
9			11		12	

PERSONNEL INJURIES

NUMBER			DESCRIPTION	
0 0 0			N/A	
9			12	

OFFSITE CONSEQUENCES

N/A				
9				

LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION		
Z		N/A		
9		10		

PUBLICITY

N/A				
9				

ADDITIONAL FACTORS

The events were recognized reportable during a periodic review of the technical specification by the reactor engineer. Prior to this time, the correction of the out-of-limit condition

(Over)

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PROCESSING UNIT

1977 APR 6 PM 1 50

Event Description (Continued)

MAPRAT to 1.009. Power was reduced by flow from 3281 MWt to 3269 MWt to bring CMFLPD to 0.990 and MAPRAT to 0.997 within 2 hours. At 0700 hours on 1/24/77 MAPRAT went to 1.002 while at 3260 MWt. Power was reduced with flow 10 MWe to bring MAPRAT to 0.999 with 2 hours. BFRO-50-296/774.

Additional Factors (Continued)

within the interval specified in the limiting condition for operation was not considered reportable.