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FROM: Tennessee Valley Authority Decatur, Alabama H.J. Green		DATE OF DOC 1-9-76	DATE REC'D 1-15-76	LTR XXX	TWX	RPT	OTHER
TO: NRC		ORIG 1 Signed	CC 0	OTHER	SENT AEC PDR XXX		
					SENT LOCAL PDR XXX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-259/260		

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Monthly Report for December 1975
 Plant & Component Operability & Availability
 This Report to be used in preparing Gray Book
 by Plans & Operations.

NUMBER OF COPIES REC'D: 1

PLANT NAME: Brown Ferry 1 & 2

FOR ACTION/INFORMATION

SAB 1-16-76

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ACKNOWLEDGED

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INTERNAL DISTRIBUTION

<u>REG FILE</u> NRC PDR OGC, ROOM P-506A. GOSSICK/STAFF CASE	<u>TECH REVIEW</u> SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER <u>ENVIRO</u> MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS	<u>LIC ASST</u> R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUSHBROOK (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L) M. DUNCAN (E)	<u>A/T IND.</u> BRAITMAN SALTZMAN MELTZ <u>PLANS</u> MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON K. PARRISH (L)
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STEELE

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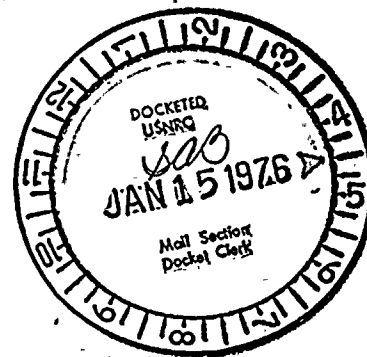
TENNESSEE VALLEY AUTHORITY

Browns Ferry Nuclear Plant
P. O. Box 2000
Decatur, Alabama 35601

Regulatory

File Cyt

January 9, 1976



Nuclear Regulatory Commission
Office of Management Information
and Program Control
Washington, D. C. 20545

Gentlemen:

Enclosed is the December 1975 report on plant and component operability and availability for Browns Ferry Nuclear Plant units 1 and 2.

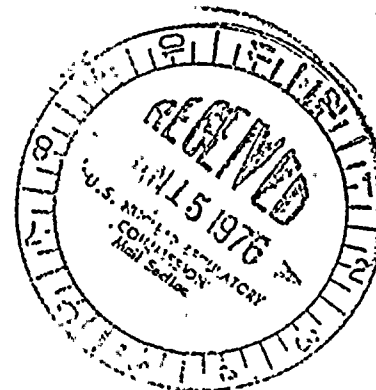
Very truly yours,

TENNESSEE VALLEY AUTHORITY

H. S. Green
H. S. Green
Plant Superintendent

Enclosures: 2

CC: Nuclear Regulatory Commission
Office of Inspection and Enforcement
230 Peachtree Street, NW
Atlanta, Georgia 30303





UNIT NAME BROWN'S FERRY IDATE 1-6-76

OPERATING STATUS:

COMPLETED BY: Harold Wallis

1. REPORTING PERIOD: 0000751201 TO 2400751231
 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL MWe 3293 MWe-NET 1065
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): N/A
4. REASONS FOR RESTRICTIONS (IF ANY):

	THIS MONTH	YR-TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL.....	0	1,592.75	9,870.02
6. REACTOR RESERVE SHUTDOWN HOURS.....	0	339.10	526.10
7. HOURS GENERATOR ON-LINE.....	0	1,535.98	9,282.80
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL POWER GENERATED (MWH).....	0	4,280,616	22,036,392
10. GROSS ELECTRICAL POWER GENERATED (MWH)(5)	0	1,416,650	7,091,510
11. NET ELECTRICAL POWER GENERATED (MWH).....	-2,056	1,347,943	6,834,172
12. REACTOR AVAILABILITY FACTOR(1)	0	18.2	50.9
13. UNIT USE FACTOR (2).....	0	17.5	47.9
14. UNIT CAPACITY FACTOR (3).....	0	14.4	33.9
15. FORCED OUTAGE RATE (4)	100	82.1	47.9
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH):			

17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: Undetermined

18. PLANTS IN TEST STATUS (PRIOR TO COMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY	_____	_____	_____
INITIAL ELECTRICAL POWER GENERATION	_____	_____	_____
COMMERCIAL OPERATION	_____	_____	_____

- (1) REACTOR AVAILABILITY FACTOR - $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} * 100$
- (2) UNIT USE FACTOR - $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} * 100$
- (3) UNIT CAPACITY FACTOR - $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{CURRENTLY LICENSED POWER LEVEL * GROSS HOURS IN REPORTING PERIOD}}$
- (4) FORCED OUTAGE RATE - $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE + FORCED OUTAGE HOURS}} * 100$
- (5) DOES NOT INCLUDE AUXILIARY DIESEL GENERATION .

SUMMARY:

Unit remained in cold shutdown
for repair of control cables.

UNIT NAME BROWNS FERRY IDATE 1-6-76COMPLETED BY Harold WallsREPORT MONTH DECEMBER**PLANT SHUTDOWNS**

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
5.	751201	F	744	B	B	
						(1) REASON: A-EQUIPMENT FAILURE (EXPLAIN) B-MAINT, OR TEST C-REFUELING D-REGULATORY RESTRICTION E-OPERATOR TRAINING AND LICENSING EXAMINATION F-ADMINISTRATIVE G-OPERATIONAL ERROR (EXPLAIN)
						(2) METHOD: A-MANUAL B-MANUAL C-SCRAM D-AUTOMATIC E-SCRAM

UNIT 1DATE 1-6-76

COMPLETED BY _____

DAILY UNIT POWER OUTPUTMONTH DECEMBER

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>-4.4</u>	25	<u>-4.8</u>
2	<u>-3.1</u>	26	<u>-5.1</u>
3	<u>-2.0</u>	27	<u>-5.4</u>
4	<u>-2.4</u>	28	<u>-5.0</u>
5	<u>-1.9</u>	29	<u>-5.0</u>
6	<u>-2.1</u>	30	<u>-5.3</u>
7	<u>-1.8</u>	31	<u>-5.0</u>
8	<u>-1.8</u>		
9	<u>-2.1</u>		
10	<u>-1.8</u>		
11	<u>-1.6</u>		
12	<u>-1.7</u>		
13	<u>-1.2</u>		
14	<u>-2.1</u>		
15	<u>-1.2</u>		
16	<u>-2.0</u>		
17	<u>-1.7</u>		
18	<u>-0.8</u>		
19	<u>-2.7</u>		
20	<u>-1.8</u>		
21	<u>-1.8</u>		
22	<u>-1.8</u>		
23	<u>-2.0</u>		
24	<u>-2.3</u>		

Note: Negative values indicate station use when unit is off line.



UNIT NAME BROWN'S FERRY IIDATE 1-6-76OPERATING STATUS:COMPLETED BY: Harold Walls

1. REPORTING PERIOD: 0000751201 TO 2400751231
GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL Mwt 3293 MWe-NET 1065
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): N/A
4. REASONS FOR RESTRICTIONS (IF ANY):

	THIS MONTH	YR-TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL.....	0	1,644.65	3,841.49
6. REACTOR RESERVE SHUTDOWN HOURS.....	744	4,714.35	5,313.30
7. HOURS GENERATOR ON-LINE.....	0	1,578.92	3,578.08
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL POWER GENERATED (MWH).....	0	4,474,080	8,259,696
10. GROSS ELECTRICAL POWER GENERATED (MWH)(5)	0	1,465,200	2,629,890
11. NET ELECTRICAL POWER GENERATED (MWH).....	-5,442	1,374,133	2,491,869
12. REACTOR AVAILABILITY FACTOR(1).....	0	18.8	32.6
13. UNIT USE FACTOR (2).....	0	18.0	30.4
14. UNIT CAPACITY FACTOR (3).....	0	14.7	19.9
15. FORCED OUTAGE RATE (4).....	100	81.7	68.7
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH):			

17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: Undetermined

18. PLANTS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY	_____	_____	_____
INITIAL ELECTRICAL POWER GENERATION	_____	_____	_____
COMMERCIAL OPERATION	_____	_____	_____

- (1) REACTOR AVAILABILITY FACTOR - $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} * 100$
- (2) UNIT USE FACTOR - $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} * 100$
- (3) UNIT CAPACITY FACTOR - $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{CURRENTLY LICENSED POWER LEVEL * GROSS HOURS IN REPORTING PERIOD}}$
- (4) FORCED OUTAGE RATE - $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE + FORCED OUTAGE HOURS}} * 100$
- (5) DOES NOT INCLUDE AUXILIARY DIESEL GENERATION

SUMMARY:

Unit remained in cold shutdown
for repair of control cables.

UNIT NAME BROWNS FERRY IIDATE 1-6-76COMPLETED BY Harold WallsREPORT MONTH DECEMBER

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
9	751201	F	744	B	C	
						(1) REASON: A-EQUIPMENT FAILURE (EXPLAIN) B-MAINT, OR TEST C-REFUELING D-REGULATORY RESTRICTION E-OPERATOR TRAINING AND LICENSING EXAMINATION F-ADMINISTRATIVE G-OPERATIONAL ERROR (EXPLAIN)
						(2) METHOD: A-MANUAL B-MANUAL C-AUTOMATIC SCRAM



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UNIT 2DATE 1-6-76

COMPLETED BY _____

DAILY UNIT POWER OUTPUTMONTH DECEMBER

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>-10.0</u>	25	<u>-3.7</u>
2	<u>-5.6</u>	26	<u>-4.1</u>
3	<u>-8.5</u>	27	<u>-4.1</u>
4	<u>-8.6</u>	28	<u>-4.2</u>
5	<u>-9.6</u>	29	<u>-4.3</u>
6	<u>-8.5</u>	30	<u>-3.9</u>
7	<u>-8.6</u>	31	<u>-4.5</u>
8	<u>-8.6</u>		
9	<u>-8.3</u>		
10	<u>-8.5</u>		
11	<u>-8.1</u>		
12	<u>-8.7</u>		
13	<u>-8.0</u>		
14	<u>-8.4</u>		
15	<u>-7.5</u>		
16	<u>-5.5</u>		
17	<u>-5.8</u>		
18	<u>-9.8</u>		
19	<u>-8.1</u>		
20	<u>-7.5</u>		
21	<u>-8.3</u>		
22	<u>-7.5</u>		
23	<u>-7.7</u>		
24	<u>-7.2</u>		

Note: Negative values indicate station
use when unit is off line.