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DESCRIPTION

LETTER TRANS THE FOLLOWING:

PLANT NAME: Brownd Ferry 1-3

ENCLOSURE

MONTHLY REPORT FOR DECEMBER
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.

DO NOT REMOVE

ACKNOWLEDGED

SAFETY

FOR ACTION/INFORMATION

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~~REG. FILE~~

NRC PDR

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LPDR: Athens, P/A

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Regulatory Pocket File

Browns Ferry Nuclear Plant
P. O. Box 2000
Decatur, Alabama 35602

January 11, 1977

50-259/260/296

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

Gentlemen:

Enclosed is the December report on plant and component operability and availability for Browns Ferry Nuclear Plant units 1, 2, and 3.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

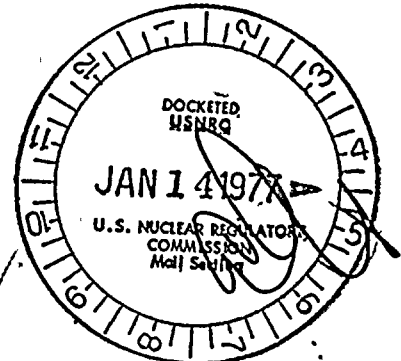
H. J. Green
Plant Superintendent

Enclosures

CC: Director, Region II
Nuclear Regulatory Commission
Office of Inspection and Enforcement
230 Peachtree Street, NW
Suite 818
Atlanta, GA 30303
(1 copy)

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

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1. The first part of the document is a list of names and dates. The names are: John Doe, Jane Smith, and Bob Johnson. The dates are: 1990, 1991, and 1992.

UNIT NAME Briggs Ferry IDATE 1/6/77COMPLETED BY: Harold WallsTELEPHONE (205) 729-6202 Ext. 294OPERATING STATUS:1. Reporting Period: 0000761201 to 2400761231Gross Hours in Reporting Period: 7442. Currently Authorized Power Level MWe 3293 MWe-net 1065Max. Depend. capacity (MWe-net) 10653. 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	744	2,335.19	7,094.51
6. Reactor Reserve Shutdown Hours	0	3,185.81	3,791.34
7. Hours Generator On-Line	744	2,175.23	6,825.79
8. Unit Reserve Shutdown Hours	0	0	0
9. Gross Thermal Power Generated (MWH)	1,971,672	4,034,830	16,779,910
10. Gross Electrical Power Generated (MWH)	665,330	1,345,550	5,607,950
11. Net Electrical Power Generated (MWH)	650,098	1,301,183	5,445,085
12. Reactor Service Factor	100	26.6	33.4
13. Reactor Available Factor	100	62.8	51.3
14. Unit Service Factor	100	24.8	32.2
15. Unit Availability Factor	100	24.8	32.2
16. Unit Capacity Factor (using MDC)	82.0	13.9	24.1
17. Unit Capacity Factor (using Design MWe)	82.0	13.9	24.1
18. Forced Outage Rate	0	71.2	64.7
19. Shutdowns scheduled to begin in next 6 months (state type, date and duration of each):			

20. If shutdown at end of report period, estimated date of startup: _____

21. Plants in Test Status (prior to commercial operation) Report the Following:

	Forecast	Achieved
Initial Criticality	_____	_____
Initial Electrical Power Generation	_____	_____
Commercial Operation	_____	_____

SUMMARY:

Unit remained on line and preconditioned
for 100% power.

UNIT NAME: Browns Ferry IDATE 1/6/77COMPLETED 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
11.	12/4/76		0			Derated for recir pump maintenance
12.	12/20/76		0			Derated for EHC oil leak
						<p>(1) REASON:</p> <p>A-EQUIPMENT FAILURE (EXPLAIN)</p> <p>B-MAINT, OR TEST</p> <p>C-REFUELING</p> <p>D-REGULATORY RESTRICTION</p> <p>E-OPERATOR TRAINING AND LICENSING EXAMINATION</p> <p>F-ADMINISTRATIVE</p> <p>G-OPERATIONAL ERROR (EXPLAIN)</p> <p>(2) METHOD:</p> <p>A-AUTOMATIC</p> <p>B-MANUAL SCRAM</p> <p>C-AUTOMATIC SCRAM</p>

UNIT

Browns Ferry I

DATE

1/6/77

COMPLETED BY

Jim Steele

DAILY UNIT POWER OUTPUTMONTH DECEMBER 1976

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	732	25	849
2	763	26	951
3	913	27	869
4	584	28	876
5	536	29	999
6	526	30	988
7	596	31	1058
8	670		
9	719		
10	850		
11	810		
12	970		
13	1000E		
14	1060		
15	1040		
16	1018		
17	1049		
18	1003E		
19	1047		
20	855		
21	1065		
22	991		
23	1001		
24	738		

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

E = Estimate

UNIT NAME: Edwards Ferry IIDATE 1/6/77COMPLETED BY: Harold WallsTELEPHONE (205) 729-6202 Ext. 294OPERATING STATUS:1. Reporting Period: 0000761201 to 2400761231Gross Hours in Reporting Period: 7442. Currently Authorized Power Level MWe 3293 MWe-net 1065Max. Depend. capacity (MWe-net) 10653. Power Level to which restricted (if any): N/A

4. Reasons for restrictions (if any):

	<u>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative To Date</u>
5. Hours Reactor Was Critical	<u>684.63</u>	<u>2,836.82</u>	<u>3,353.82</u>
6. Reactor Reserve Shutdown Hours	<u>59.37</u>	<u>5,947.18</u>	<u>10,374.18</u>
7. Hours Generator On-Line	<u>667.45</u>	<u>2,548.73</u>	<u>3,065.73</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Gross Thermal Power Generated (MWH)	<u>1,493,652</u>	<u>4,950,069</u>	<u>6,640,461</u>
10. Gross Electrical Power Generated (MWH)	<u>500,080</u>	<u>3,956,497</u>	<u>2,178,390</u>
11. Net Electrical Power Generated (MWH)	<u>486,772</u>	<u>1,567,170</u>	<u>2,117,786</u>
12. Reactor Service Factor	<u>92.0</u>	<u>32.3</u>	<u>20.8</u>
13. Reactor Available Factor	<u>100</u>	<u>100</u>	<u>85.1</u>
14. Unit Service Factor	<u>89.7</u>	<u>29.0</u>	<u>19.0</u>
15. Unit Availability Factor	<u>89.7</u>	<u>29.0</u>	<u>19.0</u>
16. Unit Capacity Factor (using MDC)	<u>61.4</u>	<u>16.8</u>	<u>12.3</u>
17. Unit Capacity Factor (using Design MWe)	<u>61.4</u>	<u>16.8</u>	<u>12.3</u>
18. Forced Outage Rate	<u>10.3</u>	<u>64.7</u>	<u>79.0</u>
19. Shutdowns scheduled to begin in next 6 months (state type, date and duration of each):			

20. If shutdown at end of report period, estimated date of startup: _____

21. Plants in Test Status (prior to commercial operation) Report the Following:

	<u>Forecast</u>	<u>Achieved</u>
Initial Criticality	_____	_____
Initial Electrical Power Generation	_____	_____
Commercial Operation	_____	_____

SUMMARY:

Completed EHC maintenance and began fuel preconditioning to 100% power.

UNIT NAME Browns Ferry II

DATE 1/6/77

COMPLETED BY Harold Walls

REPORT MONTH DECEMBER

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
9	12/6/76	F	16.23	A	C	Attempted to start recir pump B
10	12/10/76	F	60.32	A	B	EHC oil line leak
						<p>(1) REASON:</p> <p>A-EQUIPMENT FAILURE (EXPLAIN)</p> <p>B-MAINT, OR TEST</p> <p>C-REFUELING</p> <p>D-REGULATORY RESTRICTION</p> <p>E-OPERATOR TRAINING AND LICENSING EXAMINATION</p> <p>F-ADMINISTRATIVE</p> <p>G-OPERATIONAL ERROR (EXPLAIN)</p>
						<p>(2) METHOD:</p> <p>A-MANUAL</p> <p>B-MANUAL SCRAM</p> <p>C-AUTOMAT SCRAM</p>

UNIT

Browns Ferry II

DATE

1/7/77

COMPLETED BY

Jim SteeleDAILY UNIT POWER OUTPUTMONTH DECEMBER 1976

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>463</u>	25	<u>1065</u>
2	<u>494</u>	26	<u>1004</u>
3	<u>500E</u>	27	<u>1033</u>
4	<u>640E</u>	28	<u>1032</u>
5	<u>748</u>	29	<u>1062</u>
6	<u>240</u>	30	<u>888</u>
7	<u>276</u>	31	<u>867</u>
8	<u>421</u>		
9	<u>496</u>		
10	<u>335</u>		
11	<u>-11</u>		
12	<u>-11</u>		
13	<u>275</u>		
14	<u>432</u>		
15	<u>500E</u>		
16	<u>527</u>		
17	<u>644</u>		
18	<u>713</u>		
19	<u>820</u>		
20	<u>925</u>		
21	<u>902</u>		
22	<u>1000E</u>		
23	<u>800E</u>		
24	<u>987</u>		

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

E = Estimate

UNIT NAME Brown's Ferry IIIDATE 1/6/77COMPLETED BY: Harold WallsTELEPHONE (205) 729-6202 Ext. 294OPERATING STATUS:1. Reporting Period: 0000761201 to 2400761231Gross Hours in Reporting Period: 7442. Currently Authorized Power Level MWh 3293 MWe-net 1065Max. Depend. capacity (MWe-net) 10653. Power Level to which restricted (if any): N/A

4. Reasons for restrictions (if any):

	<u>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative To Date</u>
5. Hours Reactor Was Critical	<u>637.63</u>	<u>2,283.54</u>	<u>2,283.54</u>
6. Reactor Reserve Shutdown Hours	<u>106.37</u>	<u>321.24</u>	<u>321.24</u>
7. Hours Generator On-Line	<u>616.90</u>	<u>2,058.20</u>	<u>2,058.20</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Gross Thermal Power Generated (MWh)	<u>1,703,280</u>	<u>4,456,486</u>	<u>4,456,486</u>
10. Gross Electrical Power Generated (MWh)	<u>615,640</u>	<u>1,466,810</u>	<u>1,466,810</u>
11. Net Electrical Power Generated (MWh)	<u>599,791</u>	<u>1,416,891</u>	<u>1,416,891</u>
12. Reactor Service Factor	<u>85.7</u>	<u>85.9</u>	<u>85.9</u>
13. Reactor Available Factor	<u>100</u>	<u>98.0</u>	<u>98.0</u>
14. Unit Service Factor	<u>82.9</u>	<u>77.5</u>	<u>77.5</u>
15. Unit Availability Factor	<u>82.9</u>	<u>77.5</u>	<u>77.5</u>
16. Unit Capacity Factor (using MDC)	<u>75.7</u>	<u>50.1</u>	<u>50.1</u>
17. Unit Capacity Factor (using Design MWe)	<u>75.7</u>	<u>50.1</u>	<u>50.1</u>
18. Forced Outage Rate	<u>1.7</u>	<u>8.3</u>	<u>8.3</u>
19. Shutdowns scheduled to begin in next 6 months (state type, date and duration of each):			

20. If shutdown at end of report period, estimated date of startup: _____

21. Plants in Test Status (prior to commercial operation) Report the Following:

	<u>Forecast</u>	<u>Achieved</u>
Initial Criticality	_____	_____
Initial Electrical Power Generation	_____	_____
Commercial Operation	_____	_____

SUMMARY:

Unit preconditioned to 100% power
and began 300 hr. warranty run.

SUMMARY:

Unit preconditioned to 100% power
and began 300 hr. warranty run.

UNIT NAME Browns Ferry III

DATE 1/6/77

COMPLETED BY Harold Walls .

REPORT MONTH DECEMBER

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
16	12/3/76	S	21.33	B	C	
17	12/4/76	F	10.93	A	C	Loss of EHC power supply
18	12/16/76	S	94.84	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 SCRAM
- C-AUTOMATIC SCRAM

UNIT

Browns Ferry III

DATE

1/7/77

COMPLETED BY

Jim SteeleDAILY UNIT POWER OUTPUTMONTH DECEMBER 1976

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>1025E</u>	25	<u>1042</u>
2	<u>1008</u>	26	<u>1072</u>
3	<u>569</u>	27	<u>1079</u>
4	<u>-.92</u>	28	<u>1081</u>
5	<u>451</u>	29	<u>1077</u>
6	<u>903</u>	30	<u>1078</u>
7	<u>993</u>	31	<u>1075</u>
8	<u>1050E</u>		
9	<u>1059</u>		
10	<u>1008</u>		
11	<u>837</u>		
12	<u>942</u>		
13	<u>1029</u>		
14	<u>1087</u>		
15	<u>1062</u>		
16	<u>545</u>		
17	<u>-11.7</u>		
18	<u>-18.6</u>		
19	<u>- 2.5</u>		
20	<u>225</u>		
21	<u>783</u>		
22	<u>842</u>		
23	<u>1000</u>		
24	<u>1006</u>		

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

E = Estimate

