



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609

FEB 12 1991

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of)	ocket Nos. 50-259
Tennessee Valley Authority)	50-260
		50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - MONTHLY OPERATING REPORT FOR THE MONTH OF FEBRUARY 1991

In accordance with the requirements of the BFN Technical Specifications (TS) section 6.9.1.3, the Monthly Operating Report for the month of February 1991 is enclosed.

If you have any questions, please telephone me at (205) 729-3570.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

Patrick P. Carrier, Manager
of Site Licensing

cc: See page 2

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PDR ADOCK 05000259
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U.S. Nuclear Regulatory Commission

MAR 12 1991

Enclosures

cc (Enclosures):

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NRC Resident Inspector
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MONTHLY OPERATING REPORT

BROWNS FERRY NUCLEAR PLANT

TENNESSEE VALLEY AUTHORITY

FEBRUARY 1991

DOCKET NUMBERS 50-259, 50-260, AND 50-296

LICENSE NUMBERS DPR-33, DPR-52, AND DPR-68

UNIT 1

Unit remains on administrative hold to resolve various TVA and NRC concerns.

UNIT 2

Unit remains on administrative hold to resolve various TVA and NRC concerns. Modification, operation, and maintenance work continues to support restart. Fuel loading activities began on February 21, 1991 and continue into March.

UNIT 3

Unit remains on administrative hold to resolve various TVA and NRC concerns.

AVERAGE DAILY UNIT POWER LEV

DOCKET NO. 50-259

Unit One

PREPARED BY J. A. Ratliff

TELEPHONE (205) 729-2937

MONTH FEBRUARY 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>		
14	<u>0</u>		
15	<u>0</u>		
16	<u>0</u>		

0449k/6

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260
 Unit Two
 PREPARED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

MONTH FEBRUARY 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0		
14	0		
15	0		
16	0		

0449k/7

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296
 UNIT Three
 PREPARED BY S. A. Retliff
 TELEPHONE (205) 722 2937

MONTH FEBRUARY 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0		
14	0		
15	0		
16	0		

0449k/8

OPERATING DATA REPORT

DOCKET NO. 50-259
 PREPARED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

OPERATING STATUS

- | | | |
|---|--------|---|
| | !Notes | ! |
| 1. Unit Name: <u>Browns Ferry Unit One</u> | ! | ! |
| 2. Reporting Period: <u>February 1991</u> | ! | ! |
| 3. Licensed Thermal Power (Mwt): <u>3293</u> | ! | ! |
| 4. Nameplate Rating (Gross MWe): <u>1152</u> | ! | ! |
| 5. Design Electrical Rating (Net MWe): <u>1065</u> | ! | ! |
| 6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u> | ! | ! |
| 7. Maximum Dependable Capacity (Net MWe): <u>1065</u> | ! | ! |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: | | |

N/A

- | |
|--|
| 9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u> |
| 10. Reasons For Restrictions, If Any: <u>N/A</u> |

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>672</u>	<u>1416</u>	<u>145400</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>59521</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>6997</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>58267</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MMH)	<u>0</u>	<u>0</u>	<u>168066787</u>
17. Gross Electrical Energy Generated (MMH)	<u>0</u>	<u>0</u>	<u>55398130</u>
18. Net Electrical Energy Generated (MMH)	<u>-1745</u>	<u>-4182</u>	<u>53557288</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>40.1</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>40.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>34.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>34.6</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>54.0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

N/A

- | |
|--|
| 25. If Shut Down At End Of Report Period, Estimated Date of Startup: <u>To be determined</u> |
|--|

OPERATING DATA REPORT

DOCKET NO. 50-260
 PREPARED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

OPERATING STATUS

- | | | |
|---|--------|---|
| | !Notes | ! |
| 1. Unit Name: <u>Browns Ferry Unit Two</u> | ! | ! |
| 2. Reporting Period: <u>February 1991</u> | ! | ! |
| 3. Measured Thermal Power (MWT): <u>3293</u> | ! | ! |
| 4. Nameplate Rating (Gross MWe): <u>1152</u> | ! | ! |
| 5. Design Electrical Rating (Net MWe): <u>1065</u> | ! | ! |
| 6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u> | ! | ! |
| 7. Maximum Dependable Capacity (Net MWe): <u>1065</u> | ! | ! |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
<u>N/A</u> | | |

- | |
|--|
| 9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u> |
| 10. Reasons For Restrictions, If Any: <u>N/A</u> |

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>672</u>	<u>1416</u>	<u>140287</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>55860</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>14270</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>54338</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MMH)	<u>0</u>	<u>0</u>	<u>153245167</u>
17. Gross Electrical Energy Generated (MMH)	<u>0</u>	<u>0</u>	<u>50771798</u>
18. Net Electrical Energy Generated (MMH)	<u>-4561</u>	<u>-9640</u>	<u>49041481</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>38.7</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>38.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>32.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>32.8</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>54.2</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
N/A

25. If Shut Down At End Of Report Period, Estimated Date of Startup: April 1991

OPERATING DATA REPORT

BUCKET NO. 50-296
 PREPARED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

OPERATING STATUS

- | | | |
|---|-------|---|
| | Notes | ! |
| 1. Unit Name: <u>Browns Ferry Unit Three</u> | ! | ! |
| 2. Reporting Period: <u>February 1991</u> | ! | ! |
| 3. Licensed Thermal Power (MWT): <u>3293</u> | ! | ! |
| 4. Nameplate Rating (Gross MWe): <u>1152</u> | ! | ! |
| 5. Design Electrical Rating (Net MWe): <u>1065</u> | ! | ! |
| 6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u> | ! | ! |
| 7. Maximum Dependable Capacity (Net MWe): <u>1065</u> | ! | ! |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
<u>N/A</u> | | |
| 9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u> | | |
| 10. Reasons For Restrictions, If Any: <u>N/A</u> | | |

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>672</u>	<u>1416</u>	<u>122712</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>45306</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>5150</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>44195</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>131868267</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>43473760</u>
18. Net Electrical Energy Generated (MWH)	<u>-1565</u>	<u>-2353</u>	<u>41969183</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>36.0</u>
20. Unit Availability Factor	<u>0</u>	<u>7</u>	<u>36.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>32.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>32.1</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>58.3</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/S</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: To be determined

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1991

DOCKET NO: 50-259
 UNIT NAME: One
 PREPARED BY: S. A. Ratliff
 TELEPHONE: (205) 729 2937

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
315	06/01/85	F	672	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
 S: Scheduled

²Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training and License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴Exhibit G-Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG-061)

⁵Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1991

DOCKET NO: 52-260
 UNIT NAME: Two
 COMPLETED BY: S. A. Ratliff
 TELEPHONE: (205) 729-2937

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
305	09/15/84	F	672	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
 S: Scheduled

²Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training and License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴Exhibit G-Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG-061)

⁵Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1991

DOCKET NO: 50-296
 UNIT NAME: Three
 COMPLETED BY: S. A. Ratliff
 TELEPHONE: (205) 729-2937

No.	Date	Type ¹	Condition(s)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
157	03/03/85	F	672	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
 S: Scheduled

²Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training and License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴Exhibit G-Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG-061)

⁵Exhibit I-Same Source