

TENNESSEE VALLEY AUTHORITY

P. O. Box 2000
Decatur, Alabama

DEC 12 1990

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

Gentlemen:

In the Matter of)
Tennessee Valley Authority)

Docket Nos. 50-259
50-260
50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - MONTHLY OPERATING REPORT FOR THE MONTH OF NOVEMBER 1990

In accordance with the requirements of the BFN Technical Specifications (TS) section 6.9.1.3, the Monthly Operating Report for the month of November 1990 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

Enclosures

cc (Enclosures):

INPO Records Center
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Region II
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MONTHLY OPERATING REPORT

BROWNS FERRY NUCLEAR PLANT

TENNESSEE VALLEY AUTHORITY

NOVEMBER 1990

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

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

OPERATIONAL SUMMARY
NOVEMBER 1990

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.

UNIT 3

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259

Unit One

PREPARED BY S. A. Rat'iff

TELEPHONE (205) 729-2937

MONTH NOVEMBER 1990

| 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> | 29 | <u>0</u> |
| 14 | <u>0</u> | 30 | <u>0</u> |
| 15 | <u>0</u> | | |
| 16 | <u>0</u> | | |

0449k/5

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260

Unit Two

PREPARED BY S. A. Ratliff

TELEPHONE (205) 729-2937

MONTH NOVEMBER 1990

| 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 | 29 | 0 |
| 14 | 0 | 30 | 0 |
| 15 | 0 | | |
| 16 | 0 | | |

0449k/6

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296

UNIT Three

PREPARED BY S. A. Ratliff

TELEPHONE (205) 729-2937

MONTH NOVEMBER 1990

| 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 | 29 | 0 |
| 14 | 0 | 30 | 0 |
| 15 | 0 | | |
| 16 | 0 | | |

0449k/7

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>November 1990</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): N/A
10. Reasons For Restrictions, If Any: N/A

| | This Month | Yr-to-Date | Cumulative |
|--|--------------|---------------|------------------|
| 11. Hours in Reporting Period | <u>720</u> | <u>8016</u> | <u>143240</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 (MWH) | <u>0</u> | <u>0</u> | <u>168066787</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>0</u> | <u>0</u> | <u>55398130</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>-2098</u> | <u>-19709</u> | <u>53563379</u> |
| 19. Unit Service Factor | <u>0</u> | <u>0</u> | <u>40.7</u> |
| 20. Unit Availability Factor | <u>0</u> | <u>0</u> | <u>40.7</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>0</u> | <u>0</u> | <u>35.1</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>63.2</u> |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u> | | | |

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

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>November 1990</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>720</u> | <u>8016</u> | <u>138127</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>14200</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 (MWH) | <u>0</u> | <u>0</u> | <u>153245167</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>0</u> | <u>0</u> | <u>50771798</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>-5065</u> | <u>-57863</u> | <u>49056561</u> |
| 19. Unit Service Factor | <u>0</u> | <u>0</u> | <u>39.3</u> |
| 20. Unit Availability Factor | <u>0</u> | <u>0</u> | <u>39.3</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>0</u> | <u>0</u> | <u>33.3</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>0</u> | <u>0</u> | <u>31.3</u> |
| 23. Unit Forced Outage Rate | <u>100</u> | <u>100</u> | <u>53.4</u> |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u> | | | |

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|---|
| 25. If Shut Down At End Of Report Period, Estimated Date of Startup: <u>February 1991</u> |
|---|

OPERATING DATA REPORT

DOCKET 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>November 1990</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): N/A
 10. Reasons For Restrictions, If Any: N/A

| | This Month | Yr-to-Date | Cumulative |
|---|--------------|---------------|------------------|
| 11. Hours in Reporting Period | <u>720</u> | <u>8016</u> | <u>120552</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>-1521</u> | <u>-20766</u> | <u>41974267</u> |
| 19. Unit Service Factor | <u>0</u> | <u>0</u> | <u>36.7</u> |
| 20. Unit Availability Factor | <u>0</u> | <u>0</u> | <u>36.7</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>0</u> | <u>0</u> | <u>32.7</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>0</u> | <u>0</u> | <u>32.7</u> |
| 23. Unit Forced Outage Rate | <u>100</u> | <u>100</u> | <u>57.4</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: To be determined