



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35602

SEP 15 1992

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

Gentlemen:

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

BROWNS FERRY NUCLEAR PLANT (BFN) -- MONTHLY OPERATING REPORT FOR THE MONTH OF AUGUST 1992

In accordance with the requirements of the BFN Technical Specifications section 6.9.1.3, the Monthly Operating Report for the month of August 1992 is provided in the enclosure.

If you have any questions, please telephone me at (205) 729-7566.

Sincerely,

G. D. Pierce  
Interim Manager of Site Licensing

Enclosures  
cc: See page 2

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C209210113 920831  
PDR ADOCK C5000259  
R FDR

JE24

U.S. Nuclear Regulatory Commission

SEP 15 1964

Enclosures

cc (Enclosures):

INPO Records Center  
Institute of Nuclear Power Operations  
1100 Circle 75 Parkway, Suite 1500  
Atlanta, Georgia 30389

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Mr. Frederick J. Hebdon, Director  
Project Directorate II-4  
Division of Reactor Projects I-II  
Office of Nuclear Reactor  
Regulation, Mail 13 H3  
Washington, D.C. 20555

Mr. Ted Martson, Director  
Electric Power Research Institute  
P.O. Box 10412  
Palo Alto, California 94304

Mr. B. A. Wilson, Project Chief  
U.S. Nuclear Regulatory Commission  
Region II Regulatory Commission  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

NRC Resident Inspector  
Browns Ferry Nuclear Plant  
Route 12, Box 637  
Athens, Alabama 35611

Mr. Fred Yost, Director of Research  
Services, Utility Data Institute, Inc.,  
1700 K Street, NW, Suite 400  
Washington, D.C. 20006

MONTHLY OPERATING REPORT

BROWNS FERRY NUCLEAR PLANT

TENNESSEE VALLEY AUTHORITY

AUGUST 1992

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

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

OPERATIONAL SUMMARY  
AUGUST 1992

UNIT 1

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

UNIT 2

Unit 2 generated 794,720 MWhs (gross) electrical power and was on line 100 percent of the reporting period.

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. Ratliff  
TELEPHONE (205) 729-2937

MONTH AUGUST 1992

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(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>                               | 31  | <u>0</u>                               |
| 16  | <u>0</u>                               |     |  |

PLLIC207/449/8

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH AUGUST 1992

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1   | <u>925</u>                             | 17  | <u>1067</u>                            |
| 2   | <u>1004</u>                            | 18  | <u>1069</u>                            |
| 3   | <u>1062</u>                            | 19  | <u>1069</u>                            |
| 4   | <u>1068</u>                            | 20  | <u>1065</u>                            |
| 5   | <u>1070</u>                            | 21  | <u>1043</u>                            |
| 6   | <u>1063</u>                            | 22  | <u>780</u>                             |
| 7   | <u>1064</u>                            | 23  | <u>968</u>                             |
| 8   | <u>1057</u>                            | 24  | <u>1076</u>                            |
| 9   | <u>1066</u>                            | 25  | <u>1067</u>                            |
| 10  | <u>1065</u>                            | 26  | <u>1067</u>                            |
| 11  | <u>1064</u>                            | 27  | <u>1075</u>                            |
| 12  | <u>1064</u>                            | 28  | <u>1015</u>                            |
| 13  | <u>1069</u>                            | 29  | <u>1000</u>                            |
| 14  | <u>1062</u>                            | 30  | <u>1068</u>                            |
| 15  | <u>1049</u>                            | 31  | <u>1073</u>                            |
| 16  | <u>1065</u>                            |     |  |

NOTE: Net generation values are based on manual readings from an integrating watt hour meter. Small differences in the time of day of manual recording may cause the values to vary slightly.

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH AUGUST 1992

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(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                                      | 31  | 0                                      |
| 16  | 0                                      |     |  |

OPERATING DATA REPORT

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

OPERATING STATUS

1. Unit Name: Browns Ferry Unit One
2. Reporting Period: August 1992
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 1098.4
7. Maximum Dependable Capacity (Net MWe): 1065
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
N/A

|       |
|-------|
| Notes |
|-------|

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>744</u>   | <u>5855</u>   | <u>158599</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>-2468</u> | <u>-17572</u> | <u>53517918</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>31.7</u>      |
| 22. Unit Capacity Factor (Using DER Net)    | <u>0</u>     | <u>0</u>      | <u>31.7</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):  
N/A

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: Browns Ferry Unit Two
2. Reporting Period: August 1992
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 1098.4
7. Maximum Dependable Capacity (Net MWe): 1065
8. If Changes Occur in Capacity Ratings (Items Number 2 Through 7) Since Last Report, Give Reasons:  
N/A
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>744.0</u>     | <u>5855.0</u>     | <u>153486</u>    |
| 12. Number of Hours Reactor Was Critical    | <u>744.0</u>     | <u>5640.2</u>     | <u>66147</u>     |
| 13. Reactor Reserve Shutdown Hours          | <u>0</u>         | <u>0</u>          | <u>14200</u>     |
| 14. Hours Generator On-Line                 | <u>744.0</u>     | <u>5577.6</u>     | <u>64044</u>     |
| 15. Unit Reserve Sbutdown Hours             | <u>0</u>         | <u>0</u>          | <u>0</u>         |
| 16. Gross Thermal Energy Generated (MWH)    | <u>2397149.9</u> | <u>17663242.8</u> | <u>182739098</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>794720.0</u>  | <u>5939090.0</u>  | <u>60608898</u>  |
| 18. Net Electrical Energy Generated (MWH)   | <u>771679.0</u>  | <u>5795419.0</u>  | <u>58605678</u>  |
| 19. Unit Service Factor                     | <u>100.0</u>     | <u>95.3</u>       | <u>41.7</u>      |
| 20. Unit Availability Factor                | <u>100.0</u>     | <u>95.3</u>       | <u>41.7</u>      |
| 21. Unit Capacity Factor (Using MDC Net)    | <u>97.9</u>      | <u>92.9</u>       | <u>35.9</u>      |
| 22. Unit Capacity Factor (Using DER Net)    | <u>97.9</u>      | <u>92.9</u>       | <u>35.9</u>      |
| 23. Unit Forced Outage Rate                 | <u>0.0</u>       | <u>1.3</u>        | <u>51.3</u>      |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling, January 28, 1993, 90 days
25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

OPERATING DATA REPORT

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

OPERATING STATUS

- |  |   |
|--|---|
| 1. Unit Name: <u>Browns Ferry Unit Three</u><br>2. Reporting Period: <u>August 1992</u><br>3. Licensed Thermal Power (Mwt): <u>3293</u><br>4. Nameplate Rating (Gross MWe): <u>1152</u><br>5. Design Electrical Rating (Net MWe): <u>1065</u><br>6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u><br>7. Maximum Dependable Capacity (Net MWe): <u>1065</u><br>8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:<br><u>N/A</u><br><hr/> 9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u><br>10. Reasons For Restrictions, If Any: <u>N/A</u> | Notes<br><br><br><br><br><br><br><br><br><br><br> |
|--|---|

|  | This Month | Yr-to-Date | Cumulative |
|--|------------|------------|------------|
| 11. Hours in Reporting Period  | 744.0      | 5855.0     | 135911     |
| 12. Number of Hours Reactor Was Critical   | 0          | 0          | 45306      |
| 13. Reactor Reserve Shutdown Hours   | 0          | 0          | 5150       |
| 14. Hours Generator On-Line  | 0          | 0          | 44195      |
| 15. Unit Reserve Shutdown Hours  | 0          | 0          | 0          |
| 16. Gross Thermal Energy Generated (MWH)   | 0          | 0          | 131868267  |
| 17. Gross Electrical Energy Generated (MWH)  | 0          | 0          | 43473760   |
| 18. Net Electrical Energy Generated (MWH)  | -2274.0    | -14189.0   | 41938620   |
| 19. Unit Service Factor  | 0          | 0          | 32.5       |
| 20. Unit Availability Factor   | 0          | 0          | 32.5       |
| 21. Unit Capacity Factor (Using MDC Net)   | 0          | 0          | 29.0       |
| 22. Unit Capacity Factor (Using DER Net)   | 0          | 0          | 29.0       |
| 23. Unit Forced Outage Rate  | 100.0      | 100.0      | 62.9       |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):<br><u>N/A</u> |            |            |            |

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: August 1992DOCKET NO: 50-259  
UNIT NAME: One  
PREPARED BY: S. A. Raliff  
TELEPHONE: (205) 729-2937

| No. | Date     | Type <sup>1</sup> | Duration (Hours) | Reason <sup>2</sup> | Method of Shutting Down Reactor <sup>3</sup> | Licensee Event Report No. | System Code <sup>4</sup> | Component Code <sup>5</sup> | Cause and Corrective Action to Prevent Recurrence            |
|-----|----------|-------------------|------------------|---------------------|--|---------------------------|--------------------------|-----------------------------|--|
| 315 | 06/01/82 | F                 | 744              | F                   | 4  |                           |                          |                             | Administrative hold to resolve various TVA and NRC concerns. |

<sup>1</sup>F: Forced  
S: Scheduled<sup>2</sup>Reason:  
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)<sup>3</sup>Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Continuation of Existing Outage  
5-Reduction  
9-Other<sup>4</sup>Exhibit G-Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG-011)<sup>5</sup>Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-260  
 UNIT NAME: Two  
 COMPLETED BY: S. A. Ratliff  
 TELEPHONE: (205) 729-2937

REPORT MONTH: August 1992

| No. | Date    | Type <sup>1</sup> | Duration (Hours) | Reason <sup>2</sup> | Method of Shutting Down Reactor <sup>3</sup> | Licensee Event Report No. | System Code <sup>4</sup> | Component Code <sup>5</sup> | Cause and Corrective Action to Prevent Recurrence          |
|-----|---------|-------------------|------------------|---------------------|--|---------------------------|--------------------------|-----------------------------|--|
| 12  | 8/22/92 | S                 | 0                | B                   | 5  |                           |                          |                             | Power Reduction to 75% for rod adjustment and maintenance. |

<sup>1</sup>F: Forced  
 S: Scheduled

<sup>2</sup>Reason:  
 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)

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

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

<sup>5</sup>Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: August 1992

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

| No. | Date     | Type <sup>1</sup> | Duration (Hours) | Reason <sup>2</sup> | Method of Shutting Down Reactor <sup>3</sup> | Licensee Event Report No. | System Code <sup>4</sup> | Component Code <sup>5</sup> | Cause and Corrective Action to Prevent Recurrence            |
|-----|----------|-------------------|------------------|---------------------|--|---------------------------|--------------------------|-----------------------------|--|
| 157 | 03/03/85 | F                 | 744              | F                   | 4  |                           |                          |                             | Administrative hold to resolve various TVA and NRC concerns. |

<sup>1</sup>F: Forced  
 S: Scheduled

<sup>2</sup>Reason:  
 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)

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

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

<sup>5</sup>Exhibit I-Same Source