

MONTHLY OPERATING REPORT  
BROWNS FERRY NUCLEAR PLANT  
TENNESSEE VALLEY AUTHORITY

MARCH 1993

DOCKET NUMBERS 50-259, 50-260, AND 50-296  
LICENSE NUMBERS DPR-33, DPR-52, AND DPR-68

# AVERAGE DAILY UNIT POWER LEVEL

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

MONTH MARCH 1993

| 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>                               |     |  |

# AVERAGE DAILY UNIT POWER LEVEL

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

MONTH MARCH 1993

| 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>                               |     |  |

# AVERAGE DAILY UNIT POWER LEVEL

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

MONTH MARCH 1993

| 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>                               |     |  |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: MARCH 1993
 DOCKET NO: 50-259  
 UNIT NAME: One  
 PREPARED BY: S. A. Ratliff  
 TELEPHONE: (205) 739-2937

| No. | Date     | Type <sup>1</sup> | Duration (Hours) | Reason <sup>2</sup> | Method of Shutting Down Reactor <sup>3</sup> | License Event Report No. | System Code <sup>4</sup> | Component Code <sup>5</sup> | Cause and Corrective Action to Prevent Recurrence            |
|-----|----------|-------------------|------------------|---------------------|--|--------------------------|--------------------------|-----------------------------|--|
| 315 | 06/01/85 | N/A               | 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 Commission  
 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: MARCH 1993
 DOCKET NO: 50-259  
 UNIT NAME: Two  
 PREPARED BY: S. A. Ratliff  
 TELEPHONE: (205) 739-2937

| No. | Date     | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | License<br>Event<br>Report No. | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause and Corrective<br>Action to Prevent<br>Recurrence |
|-----|----------|-------------------|---------------------|---------------------|--|--------------------------------|-----------------------------|--------------------------------|---|
| 1   | 01/29/93 | S                 | 744                 | C                   | 4  |                                |                             |                                | Refueling outage scheduled<br>for 100 days.             |

<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: MARCH 1993
 DOCKET NO: 50-259  
 UNIT NAME: Three  
 PREPARED BY: S. A. Ratliff  
 TELEPHONE: (205) 739-2937

| No. | Date     | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | License<br>Event<br>Report No. | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause and Corrective<br>Action to Prevent<br>Recurrence            |
|-----|----------|-------------------|---------------------|---------------------|--|--------------------------------|-----------------------------|--------------------------------|--|
| 315 | 06/01/85 | N/A               | 744                 | F                   | 4  |                                |                             |                                | Administrative hold to<br>resolve various TVA and<br>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

# OPERATING DATA REPORT

DOCKET NO. 50-259  
 PREPARED BY SCOTT A. RATLIFF  
 TELEPHONE 205-729-2937

## OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT ONE
2. Reporting period: MARCH, 1993
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electric Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 0
7. Maximum Dependable Capacity (Net MWe): 0
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reason: NA
9. Power Level To which Restricted, If Any (Net MWe): 0
10. Reason For Restrictions, If Any: Administrative hold

|  | THIS<br>MONTH | YEAR-TO<br>DATE | CUMULATIVE * |
|--|---------------|-----------------|--------------|
| 11. Hours In Reporting Period  | 744.0         | 2160            | 95743        |
| 12. Hours Reactor Was Critical   | 0.0           | 0               | 59521        |
| 13. Reactor Reserve Shutdown Hours   | 0.0           | 0               | 6997         |
| 14. Hours Generator On Line  | 0.0           | 0               | 58267        |
| 15. Unit Reserve Shutdown Hours  | 0.0           | 0               | 0            |
| 16. Gross Thermal Generation (MWh)   | 0.0           | 0               | 168066787    |
| 17. Gross Electric Generation (MWh)  | 0.0           | 0               | 55398130     |
| 18. Net Electric Generation (MWh)  | -2089.0       | -7166           | 53501506     |
| 19. Unit Service Factor  | 0.0           | 0.0             | 60.9         |
| 20. Unit Availability Factor   | 0.0           | 0.0             | 60.9         |
| 21. Unit Capacity Factor (MDC Net)   | 0.0           | 0.0             | 52.8         |
| 22. Unit Capacity Factor (DER Net)   | 0.0           | 0.0             | 52.8         |
| 23. Unit Forced Outage rate  | 0.0           | 0.0             | 25.6         |
| 24. Shutdowns Scheduled Over Next 6 Month<br>(Type, Date, and Duration of Each): |               |                 |              |

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

\* Excludes hours under administrative hold



# OPERATING DATA REPORT

DOCKET NO. 50-260  
 PREPARED BY SCOTT A. RATLIFF  
 TELEPHONE 205-729-2937

## OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT TWO
2. Reporting period: MARCH, 1993
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electric 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 Reason: NA
9. Power Level To which Restricted, If Any (Net MWe): NA
10. Reason For Restrictions, If Any: NA

|  | THIS<br>MONTH | YEAR-TO<br>DATE | CUMULATIVE * |
|--|---------------|-----------------|--------------|
| 11. Hours In Reporting Period  | 744.0         | 2160            | 106711       |
| 12. Hours Reactor Was Critical   | 0.0           | 681             | 69644        |
| 13. Reactor Reserve Shutdown Hours   | 0.0           | 0               | 14200        |
| 14. Hours Generator On Line  | 0.0           | 680             | 67552        |
| 15. Unit Reserve Shutdown Hours  | 0.0           | 0               | 0            |
| 16. Gross Thermal Generation (MWh)   | 0.0           | 1526669         | 192255321    |
| 17. Gross Electric Generation (MWh)  | 0.0           | 501730          | 63779378     |
| 18. Net Electric Generation (MWh)  | -3577.0       | 475781          | 61683532     |
| 19. Unit Service Factor  | 0.0           | 31.5            | 63.3         |
| 20. Unit Availability Factor   | 0.0           | 31.5            | 63.3         |
| 21. Unit Capacity Factor (MDC Net)   | 0.0           | 20.7            | 54.3         |
| 22. Unit Capacity Factor (DER Net)   | 0.0           | 20.7            | 54.3         |
| 23. Unit Forced Outage Rate  | 0.0           | 0.0             | 19.6         |
| 24. Shutdowns Scheduled Over Next 6 Month<br>(Type, Date, and Duration of Each): |               |                 |              |

25. If Shut Down At End Of Reporting Period,  
 Estimated Date Of Startup: May 8, 1993

\* Excludes hours under administrative hold

# OPERATING DATA REPORT

DOCKET NO. 50-296  
 PREPARED BY SCOTT A. RATLIFF  
 TELEPHONE 205-729-2937

## OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT THREE
2. Reporting period: MARCH, 1993
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electric Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 0
7. Maximum Dependable Capacity (Net MWe): 0
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reason: NA
9. Power Level To which Restricted, If Any (Net MWe): 0
10. Reason For Restrictions, If Any: Administrative hold

|  | THIS<br>MONTH | YEAR-TO<br>DATE | CUMULATIVE * |
|--|---------------|-----------------|--------------|
| 11. Hours In Reporting Period  | 744.0         | 2160            | 73055        |
| 12. Hours Reactor Was Critical   | 0.0           | 0               | 45306        |
| 13. Reactor Reserve Shutdown Hours   | 0.0           | 0               | 5150         |
| 14. Hours Generator On Line  | 0.0           | 0               | 44195        |
| 15. Unit Reserve Shutdown Hours  | 0.0           | 0               | 0            |
| 16. Gross Thermal Generation (MWh)   | 0.0           | 0               | 131868267    |
| 17. Gross Electric Generation (MWh)  | 0.0           | 0               | 43473760     |
| 18. Net Electric Generation (MWh)  | -1865.0       | -6758           | 41924498     |
| 19. Unit Service Factor  | 0.0           | 0.0             | 60.5         |
| 20. Unit Availability Factor   | 0.0           | 0.0             | 60.5         |
| 21. Unit Capacity Factor (MDC Net)   | 0.0           | 0.0             | 54.2         |
| 22. Unit Capacity Factor (DER Net)   | 0.0           | 0.0             | 54.2         |
| 23. Unit Forced Outage Rate  | 0.0           | 0.0             | 21.6         |
| 24. Shutdowns Scheduled Over Next 6 Month<br>(Type, Date, and Duration of Each): |               |                 |              |

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

\* Excludes hours under administrative hold