

MONTHLY OPERATING REPORT  
BROWNS FERRY NUCLEAR PLANT  
TENNESSEE VALLEY AUTHORITY

FEBRUARY 1993

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

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

9303190114 930312  
PDR ADOCK 05000259  
R PDR

OPERATIONAL SUMMARY  
FEBRUARY 1993

UNIT 1

Unit one remains on administrative hold to resolve various TVA and NRC concerns. This month's operating data report reflects the assignment of administrative hold status to unit one effective June 1, 1985. Administrative hold status is considered by TVA to suspend the accrual of reporting period hours, because this unit is considered to have a maximum dependable capacity of 0 MWe. For this reason, cumulative reporting period hours for the period after June 1, 1985, to present are not considered when calculating operating status variables such as cumulative capacity factor rate. These considerations will affect the other operating status reporting variables accordingly.

UNIT 2

Unit 2 entered a refueling outage on January 29, 1993. The outage is scheduled to last 119 days, with estimated unit restart on May 28, 1993. The reporting factors have been revised to reflect the administrative hold status for Unit 2 from June 1, 1985 until restart for cycle 6 (May 24, 1992).

UNIT 3

Unit 3 remains on administrative hold to resolve various TVA and NRC concerns. This month's operating data report reflects the assignment of administrative hold status to Unit 3 effective June 1, 1985. Administrative hold status is considered by TVA to suspend the accrual of reporting period hours, because this unit is considered to have a maximum dependable capacity of 0 MWe. For this reason, cumulative reporting period hours for the period after June 1, 1985, to present are not considered when calculating operating status variables such as cumulative capacity factor rate. These considerations will affect the other operating status reporting variables accordingly.

# AVERAGE DAILY UNIT POWER LEVEL

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

MONTH FEBRUARY 1993

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>

# AVERAGE DAILY UNIT POWER LEVEL

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

MONTH FEBRUARY 1993

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>

# AVERAGE DAILY UNIT POWER LEVEL

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

MONTH FEBRUARY 1993

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>

# 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: FEBRUARY, 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: Administrative hold
9. Power Level To which Restricted, If Any (Net MWe): 0
10. Reason For Restrictions, If Any: Administrative hold

	THIS MONTH	YEAR-TO DATE	CUMULATIVE *
11. Hours In Reporting Period	672.0	1416	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)	-3034.0	-5077	53503595
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 (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 S.A.RATLIFF  
TELEPHONE 205-729-2937

## OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT TWO
2. Reporting period: FEBRUARY, 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: N/A
9. Power Level To which Restricted, If Any (Net MWe): N/A
10. Reason For Restrictions, If Any: N/A

	THIS MONTH	YEAR-TO DATE	CUMULATIVE *
11. Hours In Reporting Period	672.0	1416	105967
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)	-4193.0	479358	61687109
19. Unit Service Factor	0.0	48.0	63.7
20. Unit Availability Factor	0.0	48.0	63.7
21. Unit Capacity Factor (MDC Net)	0.0	31.8	54.7
22. Unit Capacity Factor (DER Net)	0.0	31.8	54.7
23. Unit Forced Outage Rate	0.0	0.0	19.6
24. Shutdowns Scheduled Over Next 6 Month (Type, Date, and Duration of Each):			
25. If Shut Down At End Of Reporting Period, Estimated Date Of Startup: May 28, 1993			

\*Excludes hours under administrative hold

# OPERATING DATA REPORT

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

## OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT THREE
2. Reporting period: FEBRUARY, 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: Administrative hold
9. Power Level To which Restricted, If Any (Net MWe): 0
10. Reason For Restrictions, If Any: Administrative hold

	THIS MONTH	YEAR-TO DATE	CUMULATIVE *
11. Hours In Reporting Period	672.0	1416	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)	-3034.0	-4893	41926363
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 (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



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: FEBRUARY 1993DOCKET NO: 50-259UNIT NAME: OnePREPARED BY: S. A. RetliffTELEPHONE: (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	F	672	F	4				Administrative hold to resolve various TVA and NRC concerns.

<sup>1</sup>F: Forced  
<sup>1</sup>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: FEBRUARY 1993
 DOCKET NO: 50-259  
 UNIT NAME: Two  
 PREPARED BY: S. A. Retliff  
 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
1	01/29/93	S	672	C	4				Refueling outage scheduled for 119 days.

<sup>1</sup>F: Forced  
<sup>1</sup>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  
 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: FEBRUARY 1993
 DOCKET NO: 50-259  
 UNIT NAME: Three  
 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	F	672	F	4				Administrative hold to resolve various TVA and NRC concerns.

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