

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

MAR 1 4 1994

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 FEBRUARY 1994

In accordance with the requirements of BFN Units 1, 2, and 3 Technical Specifications Section 6.9.1.3, TVA is submitting the Monthly Operating Report for the month of February 1994 in the enclosure.

If you have any questions, please telephone me at (205) 729-2636.

Sincerely,

Pedro Salas

Manager of Site Licensing

Enclosure

cc: See page 2

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U.S. Nuclear Regulatory Commission Page 2 MAR 1 4 1094

Enclosure cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 1, 2, AND 3

MONTHLY OPERATING REPORT FEBRUARY 1994

OPERATIONAL SUMMARY FEBRUARY 1994

BROWNS FERRY 1

Unit 1 remains shutdown on administrative hold to resolve various TVA and NRC concerns. Unit 1 has been on administrative hold since June 1, 1985. As a result, TVA considers that accrual of reporting hours is suspended since the unit has a maximum dependable capacity of 0 MWe. Accordingly, TVA does not consider cumulative reporting period hours for the period beginning June 1, 1985, when calculating the operating status variables.

BROWNS FERRY 2

Unit 2 operated continuously during the month of February at a capacity factor of 97.3 percent and generated 712,380 megawatt hours gross electrical power. Unit 2 reduced power twice during the reporting period: (1) to approximately 50 percent beginning on February 18, 1994, to perform scheduled maintenance activities; and (2) to approximately 70 percent beginning on February 21, 1994, to perform control rod adjustments. Unit 2 operated at reduced power for approximately 74 hours in the first instance, and for approximately 48 hours in the second instance. As of February 28, 1994, Unit 2 has operated continuously for 270 days since returning to service in early June 1993 following the Cycle 6 refueling outage.

BROWNS FERRY 3

Unit 3 remains shutdown on administrative hold to resolve various TVA and NRC concerns. Unit 3 has been on administrative hold since June 1, 1985. As a result, TVA considers that accrual of reporting hours is suspended since the unit has a maximum dependable capacity of 0 MWe. Accordingly, TVA does not consider cumulative reporting period hours for the period beginning June 1, 1985, when calculating the operating status variables.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-259
UNIT: BROWNS FERRY 1

PREPARED BY: T. R. Smith

TELEPHONE: (205) 729-2955

| ONTH | February 1994 | | |
|------|-------------------------------------|-----|-------------------------------------|
| AY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
| 1 | 0 | 15 | 0 |
| 2 | 0 | 16 | 0 |
| 3 | 0 | 17 | 0 |
| 4 | 0 | 18 | Q |
| 5 | 0 | 19 | 0 |
| 6 | 0 | 20 | 0 |
| 7 | 0 | 21 | 0 |
| 8 | 0 | 22 | 0 |
| 9 | 0 | 23 | 0 |
| 0 | 0 | 24 | 0 |
| 1 | 0 | 25 | 0 |
| 2 | 0 | 26 | 0 |
| 3 | 0 | 27 | 0 |
| 4 | 0 | 28 | 0 |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-260
UNIT: BROWNS FERRY 2

PREPARED BY: T. R. Smith TELEPHONE: (205) 729-2955

| MONTH | February 1994 | | |
|-------|-------------------------------------|-----|-------------------------------------|
| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
| 1 | 1090 | 15 | 1089 |
| 2 | 1088 | 16 | 1087 |
| 3 | 1091 | 17 | 1089 |
| 4 | 1092 | 18 | 780 |
| 5 | 1046 | 19 | 742 |
| 6 | 1064 | 20 | 749 |
| 7 | 1091 | 21 | 1037 |
| 8 | 1091 | 22 | 855 |
| 9 | 1093 | 23 | 1038 |
| 10 | 1094 | 24 | 1074 |
| 11 | 1090 | 25 | 1064 |
| 12 | 1079 | 26 | 1043 |
| 13 | 1095 | 27 | 1084 |
| 14 | 1095 | 28 | 1086 |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-296

UNIT: BROWNS FERRY 3

PREPARED BY: T. R. Smith

TELEPHONE: (205) 729-2955

| MONTH | February 1994 | | |
|-------|-------------------------------------|-----|-------------------------------------|
| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
| 1 | 0 | 15 | 0 |
| 2 | 0 | 16 | 0 |
| 3 | 0 | 17 | 0 |
| 4 | 0 | 18 | 0 |
| 5 | 0 | 19 | 0 |
| 6 | 0 | 20 | 0 |
| 7 | 0 | 21 | 0 |
| 8 | 0 | 22 | 0 |
| 9 | 0 | 23 | 0 |
| 10 | 0 | 24 | 0 |
| 11 | 0 | 25 | 0 |
| 12 | 0 | 26 | 0 |
| 13 | 0 | 27 | 0 |
| 14 | 0 | 28 | 0 |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1994

DOCKET NO: 50-259
UNIT: BROWNS FERRY 1

PREPARED BY: T. R. Smith TELEPHONE: (205) 729-2955

| No. | Date | Type1 | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | License Event Report No. | System Code ⁴ | Component Code ⁵ | Cause and Corrective Action to Prevent Recurrence |
|-----|----------|-------|---------------------|---------------------|--|--|-----------------------------|--------------------------------|--|
| 1 | 06/01/85 | S | 672 | F | 4 | | | | Administ ative hold to resolve - rious TVA and MRC concerns. |
| | | | | | | | | | |
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F: Forced

²Reason:

S: Scheduled

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)

Method:

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)

SExhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1994

DOCKET NO: 50-260

UNIT: BROWNS FERRY 2
PREPARED BY: T. R. Smith

TELEPHONE: (205) 729-3955

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | License Event Report No. | System Code ⁴ | Component Code ⁵ | Cause and Corrective Action to Prevent Recurrence |
|-----|--|-------------------|---------------------|---------------------|--|--------------------------------|-----------------------------|--------------------------------|---|
| 19 | 2/18/94 | s | 74 | В | 5 | N/A | N/A | N/A | Power reduction to perform scheduled maintenance |
| 20 | 2/21/94 | S | 48 | В | 5 | N/A | N/A | N/A | Power reduction to perform control rod adjustments |
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'F: Forced

²Reason:

S: Scheduled

Keason:

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)

Method:

1-Manual

2-Manual Scram

3-Automatic Scram

4-Continuation of Existing Outage

5-Reduction

9-Other

*Exhibit G-Instructions

for Preparation of Data Entry sheets for Licensee

Event Report (LER) File

(NUREG-061)

Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1994

DOCKET NO: 50-296

UNIT: BROWNS FERRY 3

PREPARED BY: T. R. Smith
TELEPHONE: (205) 729-2955

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

²Reason:

S: Scheduled

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)

Method:

1-Manual

2-Manual Scram

3-Automatic Scram

4-Continuation of Existing Outage

5-Reduction

9-Other

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

(MUREG-061)

⁵Exhibit I-Same Source

OPERATING DATA REPORT

DOCKET: 50-259

UNIT: BROWNS FERRY 1

PREPARED BY: T. R. SMITH

TELEPHONE: (205) 729-2955

OPERATING STATUS

- 1. Unit Name: BROWNS FERRY UNIT 1
- 2. Reporting Period: FEBRUARY 1994
- 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): 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: N/A
- 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 | 0 | 0 | 95743 |
|-----|-----------------------------------|---|---|-----------|
| 12. | Hours Reactor Was Critical | 0 | 0 | 59521 |
| 13. | Reactor Reserve Shutdown Hours | 0 | 0 | 6997 |
| 14. | Hours Generator On Line | 0 | 0 | 58267 |
| 15. | Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. | Gross Thermal Generation (MWh) | 0 | 0 | 168066787 |
| 17. | Gross Electrical Generation (MWh) | 0 | 0 | 55398130 |
| 18. | Net Electrical Generation (MWh) | 0 | 0 | 53796427 |
| 19. | Unit Service Factor | 0 | 0 | 60.9 |
| 20. | Unit Availability Factor | 0 | 0 | 60.9 |
| 21. | Unit Capacity Factor (MDC Net) | 0 | 0 | 52.8 |
| 22. | Unit Capacity Factor (DER net) | 0 | 0 | 52.8 |
| 23. | Unit Forced Outage Rate | 0 | 0 | 25.6 |

- 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
- 25. If Shut Down At End Of Reporting Period, Estimated Date of Startup: To be determined
- * Excludes hours under administrative hold (June 1, 1985 to present)

OPERATING DATA REPORT

DOCKET: 50-260

UNIT: BROWNS FERRY 2

PREPARED BY: T. R. SMITH

TELEPHONE: (205) 729-2955

OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT 2

2. Reporting Period: FEBRUARY 1994

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 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 | 1416 | 114727 |
| 12. | Hours Reactor Was Critical | 672 | 1416 | 76233 |
| 13. | Reactor Reserve Shutdown Hours | 0 | 0 | 14200 |
| 14. | Hours Generator On Line | 672 | 1416 | 74041 |
| 15. | Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. | Gross Thermal Generation (MWh) | 2110512 | 4556018 | 213103618 |
| 17. | Gross Electrical Generation (MWh) | 712380 | 1542510 | 70750428 |
| 18. | Net Electrical Generation (MWh) | 696333 | 1507346 | 68752008 |
| 19. | Unit Service Factor | 100.0 | 100.0 | 64.5 |
| 20. | Unit Availability Factor | 100.0 | 100.0 | 64.5 |
| 21. | Unit Capacity Factor (MDC Net) | 97.3 | 100.0 | 56.3 |
| 22. | Unit Capacity Factor (DER net) | 97.3 | 100.0 | 56.3 |
| 23. | Unit Forced Outage Rate | 0 | 0 | 18.2 |

- 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
- 25. If Shut Down At End Of Reporting Period, Estimated Date of Startup: N/A
- * Excludes hours under administrative hold (June 1, 1985 to May 24, 1991)

OPERATING DATA REPORT

DOCKET: 50-296

UNIT: BROWNS FERRY 3

PREPARED BY: T. R. SMITH TELEPHONE: (205) 729-2955

OPERATING STATUS

- 1. Unit Name: BROWNS FERRY UNIT 3
- 2. Reporting Period: FEBRUARY 1994
- 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): 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: N/A
- 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* 0 0 73055 11. Hours in Reporting Period 0 45306 12. Hours Reactor Was Critical 0 13. Reactor Reserve Shutdown Hours 0 0 5150 0 0 44195 14. Hours Generator On Line 0 15. Unil Reserve Shutdown Hours 0 16. Gross Thermal Generation (MWh) 131868267 0 0 17. Gross Electrical Generation (MWh) 18. Net Electrical Generation (MWh) 43473760 0 0 0 0 42114009 0 0 60.5 19. Unit Service Factor 20. Unit Availability Factor 0 0 60.5 0 0 54.2 21. Unit Capacity Factor (MDC Net) 0 0 54.2 22. Unit Capacity Factor (DER net) 0 23. Unit Forced Outage Rate 0 21.6

- 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
- 25. If Shut Down At End Of Reporting Period, Estimated Date of Startup: To be determined
- * Excludes hours under administrative hold (June 1, 1985 to present)