



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

September 11, 1998

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

Gentlemen:

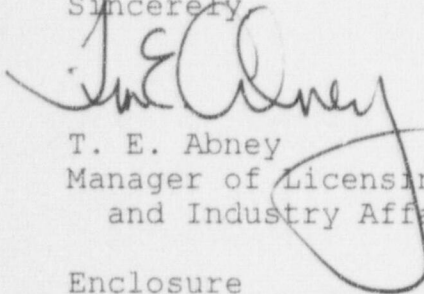
In the Matter of)	Docket Nos.	50-259
Tennessee Valley Authority)		50-260
			50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - AUGUST 1998 MONTHLY OPERATING REPORT

The enclosure provides the August 1998 Monthly Operating Report as required by BFN Technical Specifications Section 5.6.4.

If you have any questions concerning this matter, please call me at (256) 729-2636.

Sincerely,



T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission
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September 11, 1998

Enclosure

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

AUGUST 1998

UNIT 1

DOCKET NUMBER 50-259

LICENSE NUMBER DPR-33

UNIT 2

DOCKET NUMBER 50-260

LICENSE NUMBER DPR-52

UNIT 3

DOCKET NUMBER 50-296

LICENSE NUMBER DPR-68

OPERATIONAL SUMMARY
AUGUST 1998

BROWNS FERRY NUCLEAR PLANT UNIT 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 zero MWe. Accordingly, TVA does not consider reporting cumulative hours for the period beginning June 1, 1985, when calculating the operating status variables.

BROWNS FERRY NUCLEAR PLANT UNIT 2

For the month of August, Unit 2 generated 794,960 megawatt hours gross electrical power and operated at a net capacity factor of 97.9 percent. As of August 31, 1998, Unit 2 has operated continuously for 305 days.

BROWNS FERRY NUCLEAR PLANT UNIT 3

For the month of August, Unit 3 generated 673,680 megawatt hours gross electrical power with a net capacity factor of 82.5 percent. On July 21, 1998, at 23:59 hours, the unit began coastdown for the Cycle 8 refueling outage. As of August 31, 1998, Unit 3 has operated continuously for 134 days.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259 UNIT NO. ONE DATE: Sept. 3, 1998

COMPLETED BY: J. E. Wallace TELEPHONE (256) 729-7874

MONTH AUGUST 1998

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(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		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260 UNIT NO. TWO DATE: Sept. 3, 1998

COMPLETED BY: J. E. Wallace TELEPHONE (256) 729-7874

MONTH August 1998

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1081	17.	1056
2.	1058	18.	1098
3.	994	19.	1047
4.	1060	20.	1073
5.	1022	21.	987
6.	1079	22.	1051
7.	1028	23.	1043
8.	1071	24.	1050
9.	1077	25.	1059
10.	1056	26.	1047
11.	1079	27.	1036
12.	1034	28.	1044
13.	1037	29.	889
14.	1031	30.	1054
15.	1020	31.	1022
16.	1045		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296 UNIT NO. THREE DATE: Sept. 3, 1998

COMPLETED BY: J. E. Wallace TELEPHONE (256)729-7874

MONTH August 1998

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	946	17.	873
2.	992	18.	928
3.	842	19.	862
4.	960	20.	826
5.	911	21.	801
6.	962	22.	857
7.	954	23.	789
8.	933	24.	841
9.	919	25.	844
10.	923	26.	845
11.	917	27.	829
12.	912	28.	836
13.	894	29.	825
14.	892	30.	818
15.	901	31.	772
16.	835		

OPERATING DATA REPORT

Docket No. 50-259
 Date: Sept. 3, 1998
 Completed By: J. E. Wallace
 Telephone: (256)-729-7874

1. Unit Name: **BFN Unit 1**
 2. Reporting Period: **August 1998**
 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 Rating (Item Numbers 3 Through 7) Since Last Report, Give Reasons: **N/A**

9. Power Level To Which Restricted, If any (net MWe): **0**

10. Reasons for Restrictions, If any: **Administrative Hold**

		<u>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative*</u>
11.	Hours in Reporting Period	<u>0</u>	<u>0</u>	<u>95743</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 Electric Energy Generated (MWh)	<u>0</u>	<u>0</u>	<u>55398130</u>
18.	Net Electrical Energy Generated (MWh)	<u>0</u>	<u>0</u>	<u>53796427</u>
19.	Unit Service Factor	<u>0</u>	<u>0</u>	<u>60.9</u>
20.	Unit Availability Factor	<u>0</u>	<u>0</u>	<u>60.9</u>
21.	Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>52.8</u>
22.	Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>52.8</u>
23.	Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>25.6</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **N/A**

25. If Shutdown at End of Report Period, Estimate Date of Startup: **To Be Determined**

* **Excludes hours under Administrative Hold (June 1, 1985 to present)**

OPERATING DATA REPORT

Docket No. 50-260
 Date: Sept. 3, 1998
 Completed By: J. E. Wallace
 Telephone: (256)-729-7874

1. Unit Name: **BFN Unit 2**
2. Reporting Period: **August 1998**
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 Rating (Item Numbers 3 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**

	<u>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative*</u>
11. Hours in Reporting Period	<u>744.0</u>	<u>5831.0</u>	<u>154206</u>
12. Number of Hours Reactor was Critical	<u>744.0</u>	<u>5831.0</u>	<u>112637</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>14200</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>5831.0</u>	<u>110244</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2438357.0</u>	<u>19111536</u>	<u>329147020</u>
17. Gross Electric Energy Generated (MWh)	<u>794960.0</u>	<u>6371900</u>	<u>109374378</u>
18. Net Electrical Energy Generated (MWh)	<u>775857.0</u>	<u>6227166</u>	<u>106433258</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.5</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>71.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.9</u>	<u>100.3</u>	<u>64.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.9</u>	<u>100.3</u>	<u>64.8</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>13.5</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **N/A**
25. If Shutdown at End of Report Period, Estimate Date of Startup: **N/A**

*** Excludes hours under Administrative Hold
 (June 1, 1985 to May 24, 1991)**

OPERATING DATA REPORT

Docket No. 50-296
 Date: Sept. 3, 1998
 Completed By: J. E. Wallace
 Telephone: (256)-729-7874

1. Unit Name: **BFN Unit 3**
 2. Reporting Period: **August 1998**
 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 Rating (Item Numbers 3 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**

	<u>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative*</u>
11. Hours in Reporting Period	<u>744.0</u>	<u>5831.0</u>	<u>97428</u>
12. Number of Hours Reactor was Critical	<u>744.0</u>	<u>5563.0</u>	<u>68637</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>5150</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>5536.6</u>	<u>67258</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2140920.0</u>	<u>17145055</u>	<u>204579968</u>
17. Gross Electric Energy Generated (MWh)	<u>673680.0</u>	<u>5648960</u>	<u>68412370</u>
18. Net Electrical Energy Generated (MWh)	<u>653694.0</u>	<u>5503351</u>	<u>65708849</u>
19. Unit Service Factor	<u>100.0</u>	<u>95.0</u>	<u>69.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>95.0</u>	<u>69.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>82.5</u>	<u>88.6</u>	<u>63.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>82.5</u>	<u>88.6</u>	<u>63.3</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.1</u>	<u>15.5</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **Unit 3 Cycle 8 Refueling Outage, Scheduled to Begin September 20, 1998, 22 Days Duration**
25. If Shutdown at End of Report Period, Estimate Date of Startup: **N/A**

*** Excludes hours under Administrative Hold (June 1, 1985 to November 19, 1995)**

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: AUGUST 1998**

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: September 3, 1998
COMPLETED BY: J. E. Wallace
TELEPHONE: (256) 729-7874

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁴	Cause and Corrective Action to Prevent Recurrence
1	06/01/85	S	744	F	4	N/A	N/A	N/A	Administrative hold to resolve various TVA and NRC concerns.

¹ **F: Forced**
S: Scheduled

² **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)

³ **Method**
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation of Existing Outage
5-Reduction
9-Other

⁴ **Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) (NUREG - 1022)**

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: AUGUST 1998**

DOCKET NO: 50-260
UNIT NAME: BFN-2
DATE: September 3, 1998
COMPLETED BY: J. E. Wallace
TELEPHONE: (256) 729-7874

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁴	Cause and Corrective Action to Prevent Recurrence
N/A									

¹ **F: Forced**
S: Scheduled

² **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)

³ **Method**
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴ **Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) (NUREG - 1022)**

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: AUGUST 1998**

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: September 3, 1998
COMPLETED BY: J. E. Wallace
TELEPHONE: (256) 729-7874

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁴	Cause and Corrective Action to Prevent Recurrence
NA									

¹ **F: Forced**
S: Scheduled

² **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)

³ **Method**
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴ **Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) (NUREG - 1022)**