



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

September 15, 1997

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 1997 MONTHLY
OPERATING REPORT**

The enclosure provides the August 1997 Monthly Operating Report as required by BFN Technical Specifications Section 6.9.1.3.

If you have any questions concerning this matter, please call me at (205) 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 15, 1997

Enclosure

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

AUGUST 1997

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 1997

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 785,480 megawatt hours gross electrical power and operated at a net capacity factor of 96.7 percent. The unit began its "coast down" on August 17, 1997, at 23:40 hours, for the Cycle 9 refueling outage scheduled to begin on September 26, 1997. As of August 31, 1997, Unit 2 has operated continuously for 126 days.

BROWNS FERRY NUCLEAR PLANT UNIT 3

For the month of August, Unit 3 generated 803,170 megawatt hours gross electrical power with a net capacity factor of 98.9 percent. As of August 31, 1997, Unit 3 has operated continuously for 171 days.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259 UNIT NO. ONE DATE: Sept. 15, 1997

COMPLETED BY: J. W. Davenport TELEPHONE 205-729-2690

MONTH August 1997

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. 15, 1997

COMPLETED BY: J. W. Davenport TELEPHONE 205-729-2690

MONTH August 1997

AVERAGE DAILY POWER LEVEL		DAY	AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)			(MWe-Net)
1.	1058	17.		979
2.	1044	18.		1010
3.	1054	19.		1068
4.	1040	20.		981
5.	1050	21.		1061
6.	1049	22.		973
7.	1048	23.		1022
8.	1050	24.		1034
9.	1058	25.		1023
10.	1030	26.		1022
11.	994	27.		1007
12.	1041	28.		1016
13.	1040	29.		1000
14.	1052	30.		996
15.	1057	31.		991
16.	1068			

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296 UNIT NO. THREE DATE: Sept. 15, 1997

COMPLETED BY: J. W. Davenport TELEPHONE 205-729-2690

MONTH August 1997

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1037	17.	1016
2.	1054	18.	1059
3.	1053	19.	1068
4.	1048	20.	1077
5.	1058	21.	1077
6.	1055	22.	1014
7.	1054	23.	1060
8.	1057	24.	1062
9.	1068	25.	1062
10.	1061	26.	1066
11.	1064	27.	1059
12.	1068	28.	1060
13.	1065	29.	1053
14.	1065	30.	1062
15.	1030	31.	1054
16.	950		

OPERATING DATA REPORT

Docket No. 50-259
 Date: September 15, 1997
 Completed By: J. W. Davenport
 Telephone: 205-729-2690

1. Unit Name: BFN Unit 1
 2. Reporting Period: August 1997
 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	0	0	95743
12.	Number of 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 Energy Generated (MWh)	0	0	168066787
17.	Gross Electric Energy Generated (MWh)	0	0	55398130
18.	Net Electrical Energy Generated (MWh)	0	0	53796427
19.	Unit Service Factor	0	0	60.9
20.	Unit Availability Factor	0	0	60.9
21.	Unit Capacity Factor (Using MDC Net)	0	0	52.8
22.	Unit Capacity Factor (Using 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 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: September 15, 1997
 Completed By: J. W. Davenport
 Telephone: 205-729-2690

1. Unit Name: **BFN Unit 2**
2. Reporting Period: **August 1997**
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	744.0	5831.0	145446
12. Number of Hours Reactor was Critical	744.0	5773.0	104422
13. Reactor Reserve Shutdown Hours	0.0	0.0	14200
14. Hours Generator On-Line	744.0	5768.0	102050
15. Unit Reserve Shutdown Hours	0.0	0.0	0
16. Gross Thermal Energy Generated (MWh)	2430312.0	18503400	302690500
17. Gross Electric Energy Generated (MWh)	785480.0	6147660	100569028
18. Net Electrical Energy Generated (MWh)	765924.0	5999489	97832655
19. Unit Service Factor	100.0	98.9	70.2
20. Unit Availability Factor	100.0	98.9	70.2
21. Unit Capacity Factor (Using MDC Net)	96.7	96.6	63.2
22. Unit Capacity Factor (Using DER Net)	96.7	96.6	63.2
23. Unit Forced Outage Rate	0.0	1.1	14.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **Unit 2 Cycle 9 Refueling Outage, Scheduled to begin 9/26/97, 21 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 May 24, 1991)

OPERATING DATA REPORT

Docket No. 50-296
 Date: September 15, 1997
 Completed By: J. W. Davenport
 Telephone: 205-729-2690

1. Unit Name: **BFN Unit 3**
 2. Reporting Period: **August 1997**
 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	744.0	5831.0	88668
12. Number of Hours Reactor was Critical	744.0	5391.0	60145
13. Reactor Reserve Shutdown Hours	0.0	0.0	5150
14. Hours Generator On-Line	744.0	5373.2	58792
15. Unit Reserve Shutdown Hours	0.0	0.0	0
16. Gross Thermal Energy Generated (MWh)	2432592.0	16696248	177926905
17. Gross Electric Energy Generated (MWh)	803170.0	5546750	59570890
18. Net Electrical Energy Generated (MWh)	783263.0	5405725	57087856
19. Unit Service Factor	100.0	92.1	66.3
20. Unit Availability Factor	100.0	92.1	66.3
21. Unit Capacity Factor (Using MDC Net)	98.9	87.0	60.5
22. Unit Capacity Factor (Using DER Net)	98.9	87.0	60.5
23. Unit Forced Outage Rate	0.0	0.0	17.4

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 November 19, 1995)**

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: AUGUST 1997**

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: September 15, 1997
COMPLETED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	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 Exhibit G - Instructions for (NUREG Preparation of Data Entry sheets for Licensee Event Report (LER) File - NUREG - 1022

⁵ Exhibit I-Same Source

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: AUGUST 1997**

DOCKET NO: 50-260
UNIT NAME: BFN-2
DATE: September 15, 1997
COMPLETED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	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 Exhibit G - Instructions for (NUREG Preparation of Data Entry sheets for Licensee Event Report (LER); File - NUREG - 1022

⁵ Exhibit I-Same Source

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: AUGUST 1997**

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: September 15, 1997
COMPLETED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Repor. No.	System Code ⁴	Component Code ⁵	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 Exhibit G - Instructions for (NUREG Preparation of Data Entry sheets for Licensee Event Report (LER) File - NUREG - 1022

⁵ Exhibit I-Same Source