



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

March 13, 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) - FEBRUARY 1998 MONTHLY OPERATING REPORT

The enclosure provides the February 1998 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.

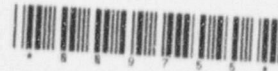
Sincerely,

T. E. Abney
 T. E. Abney
 Manager of Licensing
 and Industry Affairs

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission
Page 2
March 13, 1998

Enclosure

cc (Enclosure):

Mr. Mark S. Lesser, Branch Chief
U.S. Nuclear Regulatory Commission
Region II
61 Forsyth Street, S.W.
Suite 23T85
Atlanta, Georgia 30303

Mr. Frederick J. Hebdon, Director
Project Directorate II-4
Division of Reactor Projects I-II
Office of Nuclear Reactor
Regulation, Mail 13 H3
Washington, D.C. 20555

INPO Records Center
Institute of Nuclear Power Operations
700 Galleria Parkway
Atlanta, Georgia 30339-5957

Mr. James Lang, Manager
Advanced Reactor Department
Electric Power Research Institute
3340 Hillview Avenue
Palo Alto, California 94304

NRC Resident Inspector
Browns Ferry Nuclear Plant
10833 Shaw Road
Athens, Alabama 35611

Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
61 Forsyth Street, S.W.
Suite 23T85
Atlanta, Georgia 30303

Ms. Barbara Lewis
McGraw-Hill Companies
1200 G Street, N.W.
Suite 1100
Washington, D.C. 20005-3802

ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

FEBRUARY 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
FEBRUARY 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 February, Unit 2 generated 734,380 megawatt hours gross electrical power and operated at a net capacity factor of 100.5 percent. As of February 28, 1998, Unit 2 has operated continuously for 122 days.

BROWNS FERRY NUCLEAR PLANT UNIT 3

For the month of February, Unit 3 generated 739,220 megawatt hours gross electrical power with a net capacity factor of 100.9 percent. As of February 28, 1998, Unit 3 has operated continuously for 352 days.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259 UNIT NO. ONE DATE: Mar. 15, 1998

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

MONTH February 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		
14.	0		
15.	0		
16.	0		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260 UNIT NO. TWO DATE: Mar. 15, 1998

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

MONTH February 1998

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1092	17.	1086
2.	1075	18.	1082
3.	1091	19.	1016
4.	1091	20.	1020
5.	1089	21.	1088
6.	1049	22.	1077
7.	824	23.	1077
8.	1028	24.	1087
9.	1096	25.	1092
10.	1090	26.	1088
11.	1093	27.	1098
12.	1095	28.	1102
13.	1086		
14.	1090		
15.	1085		
16.	1086		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296 UNIT NO. THREE DATE: Mar. 15, 1998
 COMPLETED BY: J. W. Davenport TELEPHONE 205-729-2690
 MONTH February 1998

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1072	17.	1072
2.	1077	18.	1071
3.	1084	19.	1073
4.	1087	20.	1072
5.	1091	21.	1072
6.	1083	22.	1063
7.	1000	23.	1069
8.	1042	24.	1079
9.	1094	25.	1085
10.	1083	26.	1081
11.	1093	27.	1052
12.	1090	28.	1021
13.	1090		
14.	1092		
15.	1091		
16.	1096		

OPERATING DATA REPORT

Docket No. 50-259
 Date: March 15, 1998
 Completed By: J. W. Davenport
 Telephone: 205-729-2690

1. Unit Name: **BFN Unit 1**
2. Reporting Period: **February 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	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: March 15, 1998
 Completed By: J. W. Davenport
 Telephone: 205-729-2690

1. Unit Name: **BFN Unit 2**
 2. Reporting Period: **February 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	672.0	1416.0	149791
12. Number of Hours Reactor was Critical	672.0	1416.0	108222
13. Reactor Reserve Shutdown Hours	0.0	0.0	14200
14. Hours Generator On-Line	672.0	1416.0	105829
15. Unit Reserve Shutdown Hours	0.0	0.0	0
16. Gross Thermal Energy Generated (MWh)	2170968.0	4619280	314654764
17. Gross Electric Energy Generated (MWh)	734380.0	1564110	104566588
18. Net Electrical Energy Generated (MWh)	719369.0	1531053	101737144
19. Unit Service Factor	100.0	100.0	70.7
20. Unit Availability Factor	100.0	100.0	70.7
21. Unit Capacity Factor (Using MDC Net)	100.5	101.5	63.8
22. Unit Capacity Factor (Using DER Net)	100.5	101.5	63.8
23. Unit Forced Outage Rate	0.0	0.0	13.9

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: March 15, 1998
 Completed By: J. W. Davenport
 Telephone: 205-729-2690

1. Unit Name: **BFN Unit 3**
 2. Reporting Period: **February 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	672.0	1416.0	93013
12. Number of Hours Reactor was Critical	672.0	1416.0	64490
13. Reactor Reserve Shutdown Hours	0.0	0.0	5150
14. Hours Generator On-Line	672.0	1416.0	63137
15. Unit Reserve Shutdown Hours	0.0	0.0	0
16. Gross Thermal Energy Generated (MWh)	2188488.0	4488192	191923105
17. Gross Electric Energy Generated (MWh)	739220.0	1511370	64274780
18. Net Electrical Energy Generated (MWh)	721825.0	1476224	61681721
19. Unit Service Factor	100.0	100.0	67.9
20. Unit Availability Factor	100.0	100.0	67.9
21. Unit Capacity Factor (Using MDC Net)	100.9	97.9	62.3
22. Unit Capacity Factor (Using DER Net)	100.9	97.9	62.3
23. Unit Forced Outage Rate	0.0	0.0	16.4

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: FEBRUARY 1998**

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: March 15, 1998.
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 ⁴	Cause and Corrective Action to Prevent Recurrence
1	06/01/85	S	672	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: FEBRUARY 1998**

DOCKET NO: 50-260
UNIT NAME: BFN-2
DATE: March 15, 1998
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 ⁴	Cause and Corrective Action to Prevent Recurrence
1	02/07/98	S	0	B	5	N/A	N/A	N/A	Power reduction to perform scram time testing.

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: FEBRUARY 1998**

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: March 15, 1998
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 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)