



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

January 14, 2002

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop WFN, P1-35
Washington, D.C. 20555-0001

Gentlemen:

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

**BROWNS FERRY NUCLEAR PLANT (BFN) - DECEMBER 2001 MONTHLY
OPERATING REPORT**

The enclosure provides the December 2001 Monthly Operating Report (MOR) as required by BFN Technical Specifications Section 5.6.4.

Only one paper copy of this document is being sent to the NRC Document Control Desk. If you have any questions concerning this report, please call me at (256) 729-2636.

Sincerely,

T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosure

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cc (Enclosure):

(Via NRC Electronic Distribution)

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ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

DECEMBER 2001

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

OPERATING DATA REPORT

Docket No. 50-259
Unit Name BFN Unit 1
Date January 7, 2002
Completed By J. E. Wallace
Telephone (256) 729-7874
Reporting Period December 2001

1. Design Electrical Rating (Net MWe): 1065
2. Maximum Dependable Capacity (MWe-Net) 0

	Month	Yr-to-Date	Cumulative*
3. Number of Hours Reactor was Critical	0	0	59521
4. Hours Generator On-Line	0	0	58267
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated (MWh)	0	0	53,796,427

* Excludes hours under Administration Hold (June 1, 1985 to Present)

OPERATING DATA REPORT

Docket No. 50-260
Unit Name BFN Unit 2
Date January 7, 2002
Completed By J. E. Wallace
Telephone (256) 729-7874
Reporting Period December 2001

1. Design Electrical Rating (Net MWe): 1120
2. Maximum Dependable Capacity (MWe-Net) 1118

	Month	Yr-to-Date	Cumulative
3. Number of Hours Reactor was Critical	660	7,799	140,109
4. Hours Generator On-Line	642.5	7,637	137,493
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated (MWh)	659,368	8,414,558	136,241,465

OPERATING DATA REPORT

Docket No. 50-296
 Unit Name BFN Unit 3
 Date January 7, 2002
 Completed By J. E. Wallace
 Telephone (256) 729-7874
 Reporting Period December 2001

1. Design Electrical Rating (Net MWe): 1120
2. Maximum Dependable Capacity (MWe-Net) 1118

	Month	Yr-to-Date	Cumulative
3. Number of Hours Reactor was Critical	744	8,760	96,830
4. Hours Generator On-Line	744	8,760	95,416
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated (MWh)	839,890	9,803,357	96,722,792

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: DECEMBER 2001**

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: January 7, 2002
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)**

SUMMARY: Unit 1 has been on administrative hold since June 1, 1985.

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: DECEMBER 2001**

DOCKET NO: 50-260
UNIT NAME: BFN-2
DATE: JANUARY 7, 2002
COMPLETED BY: J. E. Wallace
TELEPHONE: (256) 729-7874

No.	Date	Type	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
3	12/5/01	S	101.5	B	2	N/A	N/A	N/A	At 0000 hours, Unit 2 began to reduce power for repair of leaks in the drywell. At 0400 hours, the plant was manually scrammed from 37 percent power level. On December 8, at 1129 hours, control rods were pulled for reactor criticality. On December 9, at 0930 hours, the plant was loaded to the grid. On December 10, at 0300 hours the plant was at 100 percent power.
4	12/15/01	S	0	B	5	N/A	N/A	N/A	Load dispatcher requested power reduction due to system demand.
5	12/27/01	S	0	B	5	N/A	N/A	N/A	At 1331 hours plant power was reduced to 65 percent for additional power suppression testing. On December 30, at 0345 testing was completed and power ascension began. On December 31, at 1630 hours, reactor power was at 100 percent.

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)

SUMMARY: Unit 2 has operated near 100 percent power with the exception of the noted significant events

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: DECEMBER 2001**

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: JANUARY 7, 2002
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)**

SUMMARY: Unit 3 has operated near 100 percent power without any significant events.