



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37384-2000

January 11, 2001

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

Gentlemen:

In the Matter of ) Docket Nos. 50-327  
Tennessee Valley Authority ) 50-328

**SEQUOYAH NUCLEAR PLANT (SQN) - DECEMBER MONTHLY OPERATING  
REPORT**

The enclosure provides the December Monthly Operating Report as required by SQN Technical Specifications Section 6.9.1.10.

If you have any questions concerning this matter, please call me at (423) 843-7170 or J. D. Smith at (423) 843-6672.

Sincerely,



Pedro Salas

Enclosure  
cc: See page 2

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JDS:JWP:PDW

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**ENCLOSURE**

**TENNESSEE VALLEY AUTHORITY  
SEQUOYAH NUCLEAR PLANT (SQN)**

**MONTHLY OPERATING REPORT**

**DECEMBER 2000**

**UNIT 1**

**DOCKET NUMBER 50-327**

**LICENSE NUMBER DPR-77**

**UNIT 2**

**DOCKET NUMBER 50-328**

**LICENSE NUMBER DPR-79**

**OPERATIONAL SUMMARY  
DECEMBER 2000**

**I. SEQUOYAH OPERATIONAL SUMMARY**

**UNIT 1**

Unit 1 generated 883,246 megawatthours (MWh) (gross) electrical power during December with a capacity factor of 102.3 percent. Unit 1 operated at 100 percent power throughout the month of December.

**UNIT 2**

Unit 2 generated 883,589 MWh (gross) electrical power during December with a capacity factor of 102.7 percent. Unit 2 operated at 100 percent power throughout the month of December.

**II. CHALLENGES TO THE PRESSURIZER POWER-OPERATED RELIEF VALVES (PORVs) OR PRESSURIZER SAFETY VALVES**

No PORVs or safety valves were challenged in December.

**AVERAGE DAILY UNIT POWER LEVEL**

**DOCKET NO.** 50-327 **UNIT NO.** ONE **DATE:** January 4, 2001

**COMPLETED BY:** Tanya J. Hollomon **TELEPHONE:** (423) 843-7528

**MONTH:** DECEMBER 2000

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1.	1149	17.	1150
2.	1151	18.	1151
3.	1150	19.	1150
4.	1151	20.	1150
5.	1150	21.	1151
6.	1151	22.	1151
7.	1149	23.	1150
8.	1150	24.	1150
9.	1150	25.	1151
10.	1151	26.	1150
11.	1151	27.	1149
12.	1150	28.	1151
13.	1150	29.	1151
14.	1150	30.	1152
15.	1151	31.	1152
16.	1152		

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT NO. TWO DATE: January 4, 2001

COMPLETED BY: Tanya J. Hollomon TELEPHONE: (423) 843-7528

MONTH: DECEMBER 2000

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1.	1153	17.	1152
2.	1154	18.	1151
3.	1153	19.	1151
4.	1154	20.	1150
5.	1152	21.	1152
6.	1155	22.	1151
7.	1153	23.	1150
8.	1154	24.	1150
9.	1154	25.	1151
10.	1154	26.	1150
11.	1153	27.	1149
12.	1153	28.	1151
13.	1152	29.	1152
14.	1151	30.	1152
15.	1152	31.	1152
16.	1153		

# OPERATING DATA REPORT

Docket No.	50-327
Date:	January 8, 2001
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 1
2. Reporting Period:	December 2000
3. Licensed Thermal Power (MWt):	3411.0
4. Nameplate Rating (Gross MWe):	1220.6
5. Design Electrical Rating (Net MWe):	1148.0
6. Maximum Dependable Capacity (Gross MWe):	1161
7. Maximum Dependable Capacity (Net MWe):	1122

8. If changes Occur in Capacity Rating (Item Numbers 3 & 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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744	8,784	170,977
12. Number of Hours Reactor was Critical	744.0	7,056.4	108,693.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	7,003.7	106,791.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,536,041.6	23,222,806.4	351,001,309
17. Gross Electric Energy Generated (MWh)	883,246	7,999,506	119,927,753
18. Net Electrical Energy Generated (MWh)	856,990	7,719,020	115,311,575
19. Unit Service Factor	100.0	79.7	62.5
20. Unit Availability Factor	100.0	79.7	62.5
21. Unit Capacity Factor (Using MDC Net)	102.7	78.3	60.1
22. Unit Capacity Factor (Using DER Net)	100.3	76.5	58.7
23. Unit Forced Outage Rate	0.0	14.6	25.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): This information is no longer required by NRC.  
 25. If Shutdown at End of Report Period, Estimate Date of Startup. N/A

## OPERATING DATA REPORT

Docket No.	50-328
Date:	January 8, 2001
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 2
2. Reporting Period:	December 2000
3. Licensed Thermal Power (MWt):	3411.0
4. Nameplate Rating (Gross MWe):	1220.6
5. Design Electrical Rating (Net MWe):	1148.0
6. Maximum Dependable Capacity (Gross MWe):	1156
7. Maximum Dependable Capacity (Net MWe):	1117

8. If changes Occur in Capacity Rating (Item Numbers 3 & 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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744	8,784	162,937
12. Number of Hours Reactor was Critical	744.0	8,190.0	112,746
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	8,158.8	110,694.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,535,379.2	27,191,011.8	357,439,567.5
17. Gross Electric Energy Generated (MWh)	883,589	9,365,285	121,967,811
18. Net Electrical Energy Generated (MWh)	858,101	9,058,267	117,242,189
19. Unit Service Factor	100.0	92.9	67.9
20. Unit Availability Factor	100.0	92.9	67.9
21. Unit Capacity Factor (Using MDC Net)	103.3	92.3	64.4
22. Unit Capacity Factor (Using DER Net)	100.5	89.8	62.7
23. Unit Forced Outage Rate	0.0	0.6	24.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): This information is no longer required by NRC.
25. If Shutdown at End of Report Period, Estimate Date of Startup. N/A



**UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: DECEMBER 2000**

**DOCKET NO:** 50-327  
**UNIT NAME:** SQN-1  
**DATE:** January 5, 2001  
**COMPLETED BY:** T. J. Hollomon  
**TELEPHONE:** (423) 843-7528

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
									There were no outages or power reductions of greater than 20 percent in the average daily power level during December.

<sup>1</sup> **F: Force**  
**S: Scheduled**

<sup>2</sup> **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)

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

<sup>4</sup> **Exhibit G - Instructions for (NUREG Preparation of Data Entry sheets for Licensee Event Report (LER) File - NUREG - 1022**

<sup>5</sup> **Exhibit I-Same Source**

**UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: DECEMBER 2000**

**DOCKET NO:** 50-328  
**UNIT NAME:** SQN-2  
**DATE:** January 5, 2001  
**COMPLETED BY:** T. J. Hollomon  
**TELEPHONE:** (423) 843-7528

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
									There were no outages or power reductions of greater than 20 percent in the average daily power level during December.

<sup>1</sup> **F: Force**  
**S: Scheduled**

<sup>2</sup> **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)

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

<sup>4</sup> **Exhibit G - Instructions for (NUREG Preparation of Data Entry sheets for Licensee Event Report (LER) File - NUREG - 1022**

<sup>5</sup> **Exhibit I-Same Source**