



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,

A handwritten signature in dark ink, appearing to be "Pedro Salas", written over a horizontal line. The signature is stylized with loops and a long horizontal stroke extending to the left.

Pedro Salas

Enclosure  
cc: See page 2

IE24

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JDS:JWP:PDW

cc (Enclosure):

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

# 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.	<u>1153</u>	17.	<u>1152</u>
2.	<u>1154</u>	18.	<u>1151</u>
3.	<u>1153</u>	19.	<u>1151</u>
4.	<u>1154</u>	20.	<u>1150</u>
5.	<u>1152</u>	21.	<u>1152</u>
6.	<u>1155</u>	22.	<u>1151</u>
7.	<u>1153</u>	23.	<u>1150</u>
8.	<u>1154</u>	24.	<u>1150</u>
9.	<u>1154</u>	25.	<u>1151</u>
10.	<u>1154</u>	26.	<u>1150</u>
11.	<u>1153</u>	27.	<u>1149</u>
12.	<u>1153</u>	28.	<u>1151</u>
13.	<u>1152</u>	29.	<u>1152</u>
14.	<u>1151</u>	30.	<u>1152</u>
15.	<u>1152</u>	31.	<u>1152</u>
16.	<u>1153</u>		

## 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**