



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37379

February 10, 2000

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) - JANUARY MONTHLY OPERATING REPORT**

The enclosure provides the January 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:PMB

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**ENCLOSURE**

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

**MONTHLY OPERATING REPORT**

**JANUARY 2000**

**UNIT 1**

**DOCKET NUMBER 50-327**

**LICENSE NUMBER DPR-77**

**UNIT 2**

**DOCKET NUMBER 50-328**

**LICENSE NUMBER DPR-79**

**OPERATIONAL SUMMARY  
JANUARY 2000**

**I. SEQUOYAH OPERATIONAL SUMMARY**

**UNIT 1**

Unit 1 generated 881,194 megawatthours (MWh) (gross) electrical power during January with a capacity factor of 102.0 percent. Unit 1 operated at 100 percent power until January 27 at 0858 Eastern standard time (EST) when the unit entered coastdown to the Unit 1 Cycle 10 refueling outage. Unit 1 was operating at 96 percent power at the end of January.

**UNIT 2**

Unit 2 generated 805,141 MWh (gross) electrical power during January with a capacity factor of 93.6 percent. On January 18 at 1051 EST, Unit 2 experienced a reactor trip followed by a train "A" safety injection actuation. The reactor trip occurred as a result of a momentary loss of power to Vital Instrument Power Board 2-IV during performance of a modification activity. Unit 2 was returned to service on January 20. Unit 2 was operating at 100 percent power at the end of the January.

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

No PORVs or safety valves were challenged in January.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT NO. ONE DATE: February 7, 2000

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

MONTH: JANUARY 2000

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1.	1157	17.	1156
2.	1157	18.	1156
3.	1156	19.	1154
4.	1156	20.	1153
5.	1156	21.	1153
6.	1156	22.	1154
7.	1157	23.	1156
8.	1157	24.	1155
9.	1157	25.	1153
10.	1156	26.	1152
11.	1156	27.	1149
12.	1156	28.	1141
13.	1156	29.	1129
14.	1155	30.	1123
15.	1157	31.	1112
16.	1156		

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-328 UNIT NO. TWO DATE: February 7, 2000

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

MONTH: JANUARY 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>1155</u>
2.	<u>1153</u>	18.	<u>507</u>
3.	<u>1153</u>	19.	<u>0</u>
4.	<u>1152</u>	20.	<u>130</u>
5.	<u>1154</u>	21.	<u>798</u>
6.	<u>1154</u>	22.	<u>1088</u>
7.	<u>1156</u>	23.	<u>1156</u>
8.	<u>1154</u>	24.	<u>1152</u>
9.	<u>1156</u>	25.	<u>1150</u>
10.	<u>1156</u>	26.	<u>1149</u>
11.	<u>1152</u>	27.	<u>1151</u>
12.	<u>1154</u>	28.	<u>1148</u>
13.	<u>1155</u>	29.	<u>1151</u>
14.	<u>1154</u>	30.	<u>1149</u>
15.	<u>1156</u>	31.	<u>1149</u>
16.	<u>1155</u>		

## OPERATING DATA REPORT

Docket No.	50-327
Date:	February 7, 2000
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 1
2. Reporting Period:	January 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	744	162,937
12. Number of Hours Reactor was Critical	744.0	744.0	102,381
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	100,531.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,525,474.4	2,525,474.4	330,303,978
17. Gross Electric Energy Generated (MWh)	881,194	881,194	112,809,441
18. Net Electrical Energy Generated (MWh)	854,912	854,912	108,447,467
19. Unit Service Factor	100.0	100.0	61.7
20. Unit Availability Factor	100.0	100.0	61.7
21. Unit Capacity Factor (Using MDC Net)	102.4	102.4	59.3
22. Unit Capacity Factor (Using DER Net)	100.1	100.1	58.0
23. Unit Forced Outage Rate	0.0	0.0	26.3

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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT NO. TWO DATE: February 7, 2000

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

MONTH: JANUARY 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.	1155
2.	1153	18.	507
3.	1153	19.	0
4.	1152	20.	130
5.	1154	21.	798
6.	1154	22.	1088
7.	1156	23.	1156
8.	1154	24.	1152
9.	1156	25.	1150
10.	1156	26.	1149
11.	1152	27.	1151
12.	1154	28.	1148
13.	1155	29.	1151
14.	1154	30.	1149
15.	1156	31.	1149
16.	1155		

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

**DOCKET NO:** 50-327  
**UNIT NAME:** SQN-1  
**DATE:** February 7, 2000  
**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 January.

<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: JANUARY 2000**

**DOCKET NO:** 50-328  
**UNIT NAME:** SQN-2  
**DATE:** February 7, 2000  
**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
1	000118	F	48.9	A	3				On January 18 at 1051, Unit 2 experienced a reactor trip initiated as a result of a low-low steam generator (SG) level. A momentary loss of power to Vital Instrument Power Board 2-IV occurred when plant personnel were performing a modification on Vital Inverter 2-IV. The loss of power caused the No. 4 SG regulating valve to close resulting in a low-low SG level. The cause of the power loss appears to be a circuit failure on the static switch control board. The control board to the static switch was replaced.

<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