



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

June 7, 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) - MAY MONTHLY OPERATING REPORT**

The enclosure provides the May 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

MAY 2000

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

**OPERATIONAL SUMMARY  
MAY 2000**

**I. SEQUOYAH OPERATIONAL SUMMARY**

**UNIT 1**

Unit 1 generated 875,246 megawatthours (MWh) (gross) electrical power during May with a capacity factor of 101.3 percent. Unit 1 operated at 100 percent power throughout the month of May.

**UNIT 2**

Unit 2 generated 875,256 MWh (gross) electrical power during May with a capacity factor of 101.8 percent. Unit 2 operated at 100 percent power throughout the month of May.

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

No PORVs or safety valves were challenged in May.

### AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT NO. ONE DATE: June 5, 2000

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

MONTH: MAY 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>1147</u>	17.	<u>1139</u>
2.	<u>1147</u>	18.	<u>1138</u>
3.	<u>1146</u>	19.	<u>1141</u>
4.	<u>1146</u>	20.	<u>1135</u>
5.	<u>1146</u>	21.	<u>1138</u>
6.	<u>1146</u>	22.	<u>1138</u>
7.	<u>1148</u>	23.	<u>1141</u>
8.	<u>1146</u>	24.	<u>1139</u>
9.	<u>1145</u>	25.	<u>1138</u>
10.	<u>1144</u>	26.	<u>1137</u>
11.	<u>1146</u>	27.	<u>1136</u>
12.	<u>1142</u>	28.	<u>1137</u>
13.	<u>1141</u>	29.	<u>1137</u>
14.	<u>1140</u>	30.	<u>1135</u>
15.	<u>1137</u>	31.	<u>1137</u>
16.	<u>1139</u>		

**AVERAGE DAILY UNIT POWER LEVEL**

**DOCKET NO.** 50-328 **UNIT NO.** TWO **DATE:** June 5, 2000

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

**MONTH:** MAY 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>1143</u>	17.	<u>1138</u>
2.	<u>1145</u>	18.	<u>1137</u>
3.	<u>1142</u>	19.	<u>1135</u>
4.	<u>1142</u>	20.	<u>1135</u>
5.	<u>1144</u>	21.	<u>1137</u>
6.	<u>1144</u>	22.	<u>1135</u>
7.	<u>1142</u>	23.	<u>1135</u>
8.	<u>1144</u>	24.	<u>1137</u>
9.	<u>1141</u>	25.	<u>1137</u>
10.	<u>1143</u>	26.	<u>1135</u>
11.	<u>1142</u>	27.	<u>1133</u>
12.	<u>1138</u>	28.	<u>1133</u>
13.	<u>1140</u>	29.	<u>1134</u>
14.	<u>1136</u>	30.	<u>1134</u>
15.	<u>1132</u>	31.	<u>1133</u>
16.	<u>1135</u>		

## OPERATING DATA REPORT

Docket No.	50-327
Date:	June 5, 2000
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 1
2. Reporting Period:	May 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	3,647	165,840
12. Number of Hours Reactor was Critical	744.0	3,063.7	104,701
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	3,037.0	102,824.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,536,130.4	9,792,599.0	337,571,101.6
17. Gross Electric Energy Generated (MWh)	875,246	3,404,692	115,332,939
18. Net Electrical Energy Generated (MWh)	847,750	3,291,370	110,883,925
19. Unit Service Factor	100.0	83.3	62.0
20. Unit Availability Factor	100.0	83.3	62.0
21. Unit Capacity Factor (Using MDC Net)	101.6	80.4	59.6
22. Unit Capacity Factor (Using DER Net)	99.3	78.6	58.2
23. Unit Forced Outage Rate	0.0	0.9	25.8

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:	June 5, 2000
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 2
2. Reporting Period:	May 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	3,647	157,800
12. Number of Hours Reactor was Critical	744.0	3,605.8	108,162
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	3,598.1	106,133.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,535,830.4	12,207,928.1	342,456,483.8
17. Gross Electric Energy Generated (MWh)	875,256	4,241,370	116,843,896
18. Net Electrical Energy Generated (MWh)	848,320	4,114,844	112,298,766
19. Unit Service Factor	100.0	98.7	67.3
20. Unit Availability Factor	100.0	98.7	67.3
21. Unit Capacity Factor (Using MDC Net)	102.1	101.0	63.7
22. Unit Capacity Factor (Using DER Net)	99.3	98.3	62.0
23. Unit Forced Outage Rate	0.0	1.3	25.1

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: MAY 2000**

**DOCKET NO:** 50-327  
**UNIT NAME:** SQN-1  
**DATE:** June 5, 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 May.

<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: MAY 2000**

**DOCKET NO:** 50-328  
**UNIT NAME:** SQN-2  
**DATE:** June 5, 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 May.

<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**