

U.S. Nuclear Regulatory Commission
Page 2
April 10, 2001

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ENCLOSURE

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

MONTHLY OPERATING REPORT

MARCH 2001

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

**OPERATIONAL SUMMARY
MARCH 2001**

I. SEQUOYAH OPERATIONAL SUMMARY

UNIT 1

Unit 1 generated 882,392 megawatthours (MWh) (gross) electrical power during March with a capacity factor of 102.1 percent. Unit 1 operated at 100 percent power throughout the month of March.

UNIT 2

Unit 2 generated 860,614 MWh (gross) electrical power during March with a capacity factor of 100.1 percent. Unit 2 reactor power reduction was initiated at 0003 EST on March 15 to approximately 64 percent to allow scheduled maintenance on both main feedwater pumps. Unit 2 was operating at 100 percent power on March 17 at 1930 EST. Unit 2 operated at 100 percent power through the end of March.

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

No PORVs or safety valves were challenged in March.

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH: MARCH 2001

<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>1148</u>
2.	<u>1144</u>	18.	<u>1149</u>
3.	<u>1148</u>	19.	<u>1148</u>
4.	<u>1150</u>	20.	<u>1147</u>
5.	<u>1149</u>	21.	<u>1148</u>
6.	<u>1150</u>	22.	<u>1147</u>
7.	<u>1150</u>	23.	<u>1148</u>
8.	<u>1150</u>	24.	<u>1151</u>
9.	<u>1148</u>	25.	<u>1151</u>
10.	<u>1148</u>	26.	<u>1149</u>
11.	<u>1148</u>	27.	<u>1151</u>
12.	<u>1147</u>	28.	<u>1150</u>
13.	<u>1147</u>	29.	<u>1149</u>
14.	<u>1148</u>	30.	<u>1149</u>
15.	<u>1147</u>	31.	<u>1149</u>
16.	<u>1147</u>		

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH: MARCH 2001

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1.	<u>1146</u>	17.	<u>1029</u>
2.	<u>1147</u>	18.	<u>1150</u>
3.	<u>1151</u>	19.	<u>1150</u>
4.	<u>1153</u>	20.	<u>1150</u>
5.	<u>1152</u>	21.	<u>1151</u>
6.	<u>1153</u>	22.	<u>1149</u>
7.	<u>1153</u>	23.	<u>1150</u>
8.	<u>1153</u>	24.	<u>1153</u>
9.	<u>1150</u>	25.	<u>1153</u>
10.	<u>1150</u>	26.	<u>1151</u>
11.	<u>1151</u>	27.	<u>1153</u>
12.	<u>1149</u>	28.	<u>1152</u>
13.	<u>1150</u>	29.	<u>1151</u>
14.	<u>1151</u>	30.	<u>1152</u>
15.	<u>742</u>	31.	<u>1152</u>
16.	<u>701</u>		

OPERATING DATA REPORT

Docket No.	50-327
Date:	April 4, 2001
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 1
2. Reporting Period:	March 2001
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	2,160	173,137
12. Number of Hours Reactor was Critical	744.0	2,160.0	110,853.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	2,160.0	108,951.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,535,679.2	7,361,625.6	358,362,935
17. Gross Electric Energy Generated (MWh)	882,392	2,563,229	122,490,982
18. Net Electrical Energy Generated (MWh)	854,924	2,484,759	117,796,334
19. Unit Service Factor	100.0	100.0	62.9
20. Unit Availability Factor	100.0	100.0	62.9
21. Unit Capacity Factor (Using MDC Net)	102.4	102.5	60.6
22. Unit Capacity Factor (Using DER Net)	100.1	100.2	59.3
23. Unit Forced Outage Rate	0.0	0.0	25.5

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:	April 4, 2001
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 2
2. Reporting Period:	March 2001
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	2,160	165,097
12. Number of Hours Reactor was Critical	744.0	2,160.0	114,906.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	2,160.0	112,854.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,467,216.8	7,292,527.2	364,732,094.7
17. Gross Electric Energy Generated (MWh)	860,614	2,542,856	124,510,667
18. Net Electrical Energy Generated (MWh)	833,258	2,466,318	119,708,507
19. Unit Service Factor	100.0	100.0	68.4
20. Unit Availability Factor	100.0	100.0	68.4
21. Unit Capacity Factor (Using MDC Net)	100.3	102.2	64.9
22. Unit Capacity Factor (Using DER Net)	97.6	99.5	63.2
23. Unit Forced Outage Rate	0.0	0.0	24.0

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: MARCH 2001**

DOCKET NO: 50-327
UNIT NAME: SQN-1
DATE: April 4, 2001
COMPLETED BY: T. J. Hollomon
TELEPHONE: (423) 843-7528

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	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 March.

¹ **F: Force**
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 **Exhibit G - Instructions for (NUREG
 Preparation of Data Entry sheets
 for Licensee Event Report (LER)
 File - NUREG - 1022**

⁵ **Exhibit I-Same Source**

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

DOCKET NO: 50-328
UNIT NAME: SQN-2
DATE: April 4, 2001
COMPLETED BY: T. J. Hollomon
TELEPHONE: (423) 843-7528

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
1	010315	S		B	5				A scheduled power reduction was initiated on March 15 at 0003 EST for maintenance on both main feedwater pumps. Reactor power was reduced to approximately 64 percent. Reactor power was at 100 percent on March 17 at 1930 EST.

¹ **F: Force**
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 **Exhibit G - Instructions for (NUREG Preparation of Data Entry sheets for Licensee Event Report (LER) File - NUREG - 1022**

⁵ **Exhibit I-Same Source**