



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

January 14, 1999

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
Licensing and Industry Affairs Manager

Enclosure
cc: See page 2

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cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
SEQUOYAH NUCLEAR PLANT (SQN)

MONTHLY OPERATING REPORT

DECEMBER 1998

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

**OPERATIONAL SUMMARY
DECEMBER 1998**

I. SEQUOYAH OPERATIONAL SUMMARY

UNIT 1

Unit 1 generated 883,974 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 879,909 MWh (gross) electrical power during December with a capacity factor of 102.3 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 8, 1999

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

MONTH: DECEMBER 1998

<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>1154</u>	17.	<u>1153</u>
2.	<u>1152</u>	18.	<u>1153</u>
3.	<u>1151</u>	19.	<u>1153</u>
4.	<u>1151</u>	20.	<u>1156</u>
5.	<u>1153</u>	21.	<u>1152</u>
6.	<u>1150</u>	22.	<u>1152</u>
7.	<u>1150</u>	23.	<u>1153</u>
8.	<u>1150</u>	24.	<u>1155</u>
9.	<u>1151</u>	25.	<u>1153</u>
10.	<u>1153</u>	26.	<u>1156</u>
11.	<u>1151</u>	27.	<u>1154</u>
12.	<u>1152</u>	28.	<u>1154</u>
13.	<u>1152</u>	29.	<u>1154</u>
14.	<u>1153</u>	30.	<u>1153</u>
15.	<u>1153</u>	31.	<u>1155</u>
16.	<u>1152</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT NO. TWO DATE: January 8, 1999

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

MONTH: DECEMBER 1998

<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>1153</u>	17.	<u>1152</u>
2.	<u>1151</u>	18.	<u>1150</u>
3.	<u>1151</u>	19.	<u>1152</u>
4.	<u>1149</u>	20.	<u>1152</u>
5.	<u>1153</u>	21.	<u>1152</u>
6.	<u>1151</u>	22.	<u>1149</u>
7.	<u>1146</u>	23.	<u>1152</u>
8.	<u>1150</u>	24.	<u>1152</u>
9.	<u>1151</u>	25.	<u>1147</u>
10.	<u>1146</u>	26.	<u>1145</u>
11.	<u>1153</u>	27.	<u>1146</u>
12.	<u>1153</u>	28.	<u>1146</u>
13.	<u>1151</u>	29.	<u>1146</u>
14.	<u>1142</u>	30.	<u>1143</u>
15.	<u>1149</u>	31.	<u>1145</u>
16.	<u>1149</u>		

OPERATING DATA REPORT

Docket No.	50-327
Date:	January 8, 1999
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 1
2. Reporting Period:	December 1998
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	8,760	153,433
12. Number of Hours Reactor was Critical	744.0	8,021.4	92,877
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	7,967.7	91,027.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,536,077.6	26,677,425.1	297,921,420
17. Gross Electric Energy Generated (MWh)	883,974	9,214,498	101,615,625
18. Net Electrical Energy Generated (MWh)	856,646	8,905,682	97,605,579
19. Unit Service Factor	100.0	91.0	59.3
20. Unit Availability Factor	100.0	91.0	59.3
21. Unit Capacity Factor (Using MDC Net)	102.6	90.6	56.7
22. Unit Capacity Factor (Using DER Net)	100.3	88.6	55.4
23. Unit Forced Outage Rate	0.0	1.1	28.2

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, 1999
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 2
2. Reporting Period:	December 1998
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	8,760	145,393
12. Number of Hours Reactor was Critical	744.0	8,674.4	96,330
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	8,657.3	94,331.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,535,727.2	29,430,137.1	303,407,474
17. Gross Electric Energy Generated (MWh)	879,909	10,106,721	103,332,085
18. Net Electrical Energy Generated (MWh)	854,149	9,799,593	99,204,955
19. Unit Service Factor	100.0	98.8	64.9
20. Unit Availability Factor	100.0	98.8	64.9
21. Unit Capacity Factor (Using MDC Net)	102.8	100.1	61.1
22. Unit Capacity Factor (Using DER Net)	100.0	97.4	59.4
23. Unit Forced Outage Rate	0.0	1.2	27.3

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 1998**

DOCKET NO: 50-327
UNIT NAME: SQN-1
DATE: January 8, 1999
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 December.

¹ F: Forced
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: DECEMBER 1998**

DOCKET NO: 50-328
UNIT NAME: SQN-2
DATE: January 8, 1999
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 December.

¹ F: Forced
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