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

January 14, 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) - 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

Enclosure
cc: See page 2

IE24

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY

SEQUOYAH NUCLEAR PLANT (SQN)

MONTHLY OPERATING REPORT

DECEMBER 1999

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY
DECEMBER 1999

I. SEQUOYAH OPERATIONAL SUMMARY

UNIT 1

Unit 1 generated 884,781 megawatthours (MWh) (gross) electrical power during December with a capacity factor of 102.4 percent. Unit 1 operated at 100 percent power throughout the month of December.

UNIT 2

Unit 2 generated 884,387 MWh (gross) electrical power during December with a capacity factor of 102.8 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 7, 2000

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

MONTH: DECEMBER 1999

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

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH: DECEMBER 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1152	17.	1155
2.	1151	18.	1156
3.	1153	19.	1153
4.	1152	20.	1153
5.	1153	21.	1151
6.	1154	22.	1154
7.	1150	23.	1152
8.	1156	24.	1154
9.	1152	25.	1152
10.	1154	26.	1156
11.	1140	27.	1157
12	1156	28.	1155
13.	1152	29.	1157
14.	1151	30.	1157
15.	1152	31.	1153
16.	1152		

OPERATING DATA REPORT

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

1.	Unit Name:	SQN Unit 1
2.	Reporting Period:	December 1999
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	162,193
12.	Number of Hours Reactor was Critical	744.0	8,760.0	101,637
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	744.0	8,760.0	99,787.3
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWh)	2,535,885.6	29,857,083.5	327,778,502.6
17.	Gross Electric Energy Generated (MWh)	884,781	10,312,622	111,928,247
18.	Net Electrical Energy Generated (MWh)	858,615	9,986,976	107,592,555
19.	Unit Service Factor	100.0	100.0	61.5
20.	Unit Availability Factor	100.0	100.0	61.5
21.	Unit Capacity Factor (Using MDC Net)	102.9	101.6	59.1
22.	Unit Capacity Factor (Using DER Net)	100.5	99.3	57.8
23.	Unit Forced Outage Rate	0.0	0.0	26.4

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 7, 2000
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1.	Unit Name:	SQN Unit 2
2.	Reporting Period:	December 1999
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	154,153
12.	Number of Hours Reactor was Critical	744.0	8,226.4	104,556
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	744.0	8,203.5	102,535.3
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWh)	2,535,026.4	26,841,081.3	330,248,555.7
17.	Gross Electric Energy Generated (MWh)	884,387	9,270,441	112,602,526
18.	Net Electrical Energy Generated (MWh)	859,985	8,978,967	108,183,922
19.	Unit Service Factor	100.0	93.6	66.5
20.	Unit Availability Factor	100.0	93.6	66.5
21.	Unit Capacity Factor (Using MDC Net)	103.5	91.8	62.8
22.	Unit Capacity Factor (Using DER Net)	100.7	89.3	61.1
23.	Unit Forced Outage Rate	0.0	0.0	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

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: DECEMBER 1999

DOCKET NO: 50-327
UNIT NAME: SQN-1
DATE: January 7, 2000
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: 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: DECEMBER 1999

DOCKET NO: 50-328
UNIT NAME: SQN-2
DATE: January 7, 2000
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: 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**