



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

March 15, 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) - FEBRUARY MONTHLY OPERATING REPORT

The enclosure provides the February 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:JSS:PMB

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
SEQUOYAH NUCLEAR PLANT (SQN)

MONTHLY OPERATING REPORT

FEBRUARY 2000

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

**OPERATIONAL SUMMARY
FEBRUARY 2000**

I. SEQUOYAH OPERATIONAL SUMMARY

UNIT 1

Unit 1 generated 550,786 megawatthours (MWh) (gross) electrical power during February with a capacity factor of 68.2 percent. Unit 1 was in coastdown at the beginning of February and was taken offline on February 22 at 2100 Eastern standard time for the Unit 1 Cycle 10 refueling outage. Unit 1 was in "No Mode" status at the end of February with the reactor defueled.

UNIT 2

Unit 2 generated 828,181 MWh (gross) electrical power during February with a capacity factor of 102.9 percent. Unit 2 operated at 100 percent power throughout the month of February.

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

No PORVs or safety valves were challenged in February.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 **UNIT NO.** ONE **DATE:** March 9, 2000

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

MONTH: FEBRUARY 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>1106</u>	17.	<u>972</u>
2.	<u>1096</u>	18.	<u>963</u>
3.	<u>1093</u>	19.	<u>958</u>
4.	<u>1082</u>	20.	<u>946</u>
5.	<u>1076</u>	21.	<u>951</u>
6.	<u>1067</u>	22.	<u>699</u>
7.	<u>1059</u>	23.	<u>0</u>
8.	<u>1055</u>	24.	<u>0</u>
9.	<u>1039</u>	25.	<u>0</u>
10.	<u>1032</u>	26.	<u>0</u>
11.	<u>1023</u>	27.	<u>0</u>
12.	<u>1012</u>	28.	<u>0</u>
13.	<u>1005</u>	29.	<u>0</u>
14.	<u>996</u>	30.	<u>NA</u>
15.	<u>987</u>	31.	<u>NA</u>
16.	<u>979</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT NO. TWO DATE: March 9, 2000

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

MONTH: FEBRUARY 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>1149</u>	17.	<u>1153</u>
2.	<u>1151</u>	18.	<u>1150</u>
3.	<u>1153</u>	19.	<u>1152</u>
4.	<u>1150</u>	20.	<u>1152</u>
5.	<u>1152</u>	21.	<u>1148</u>
6.	<u>1150</u>	22.	<u>1148</u>
7.	<u>1150</u>	23.	<u>1149</u>
8.	<u>1153</u>	24.	<u>1154</u>
9.	<u>1151</u>	25.	<u>1154</u>
10.	<u>1153</u>	26.	<u>1151</u>
11.	<u>1150</u>	27.	<u>1153</u>
12.	<u>1152</u>	28.	<u>1151</u>
13.	<u>1153</u>	29.	<u>1153</u>
14.	<u>1151</u>	30.	<u>NA</u>
15.	<u>1152</u>	31.	<u>NA</u>
16.	<u>1154</u>		

OPERATING DATA REPORT

Docket No.	50-327
Date:	March 9, 2000
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 1
2. Reporting Period:	February 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	696	1,440	163,633
12. Number of Hours Reactor was Critical	525.0	1,269.0	102,906
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	525.0	1,269.0	101,056.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	1,556,328.8	4,081,803.2	331,860,305.8
17. Gross Electric Energy Generated (MWh)	550,786	1,431,980	113,360,227
18. Net Electrical Energy Generated (MWh)	531,654	1,386,566	108,979,121
19. Unit Service Factor	75.4	88.1	61.8
20. Unit Availability Factor	75.4	88.1	61.8
21. Unit Capacity Factor (Using MDC Net)	68.1	85.8	59.4
22. Unit Capacity Factor (Using DER Net)	66.5	83.9	58.0
23. Unit Forced Outage Rate	0.0	0.0	26.2

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:	March 9, 2000
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

- | | |
|---|---------------|
| 1. Unit Name: | SQN Unit 2 |
| 2. Reporting Period: | February 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	696	1,440	155,593
12. Number of Hours Reactor was Critical	696.0	1,398.8	105,955
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	696.0	1,391.1	103,926.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,372,342.4	4,686,381.8	334,934,937.5
17. Gross Electric Energy Generated (MWh)	828,181	1,633,322	114,235,848
18. Net Electrical Energy Generated (MWh)	803,745	1,584,264	109,768,186
19. Unit Service Factor	100.0	96.6	66.8
20. Unit Availability Factor	100.0	96.6	66.8
21. Unit Capacity Factor (Using MDC Net)	103.4	98.5	63.2
22. Unit Capacity Factor (Using DER Net)	100.6	95.8	61.5
23. Unit Forced Outage Rate	0.0	3.4	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

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

DOCKET NO: 50-327
UNIT NAME: SQN-1
DATE: March 9, 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
1	000222	S	171.0	C	1				The Unit 1 Cycle 10 refueling outage began on February 22 at 2100 Eastern standard time.

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: FEBRUARY 2000**

DOCKET NO: 50-328
UNIT NAME: SQN-2
DATE: March 9, 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 February.

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**