

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

Masoud Bajestani
Site Vice President
Sequoyah Nuclear Plant

April 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) - MARCH MONTHLY OPERATING REPORT

The enclosure provides the March 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,


for Masoud Bajestani

Enclosure
cc: See page 2

JE24.1

U.S. Nuclear Regulatory Commission
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JDS:JWP:PMB

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
SEQUOYAH NUCLEAR PLANT (SQN)

MONTHLY OPERATING REPORT

MARCH 2000

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY MARCH 2000

I. SEQUOYAH OPERATIONAL SUMMARY

UNIT 1

Unit 1 generated 245,189 megawatthours (MWh) (gross) electrical power during March with a capacity factor of 28.4 percent. Unit 1 was in Cycle 10 refueling outage at the beginning of March and was returned to service on March 18 at 0245 Eastern standard time (EST).

On March 21, 2000, Unit 1 was operating at approximately 76 percent power when an automatic reactor trip occurred. The reactor trip was initiated by a turbine trip which was caused by a detected loss of excitation field to the main generator. The turbine trip signal was caused by the actuation of two protective relays installed during the refueling outage. A wiring error contained in the design change package resulted in improper installation in the field. The wiring error resulted in actuation of the relays when a loss of excitation condition did not exist.

Unit 1 was tied to the grid on March 22 at 0740 EST. Unit 1 reached 100 percent power on March 29 at 0200 EST and continued to operate at 100 percent power through the end of the month.

UNIT 2

Unit 2 generated 881,162 MWh (gross) electrical power during March with a capacity factor of 102.5 percent. Unit 2 operated at 100 percent power throughout the month 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 7, 2000

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

MONTH: March 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>0</u>	17.	<u>0</u>
2.	<u>0</u>	18.	<u>182</u>
3.	<u>0</u>	19.	<u>467</u>
4.	<u>0</u>	20.	<u>535</u>
5.	<u>0</u>	21.	<u>133</u>
6.	<u>0</u>	22.	<u>223</u>
7.	<u>0</u>	23.	<u>717</u>
8.	<u>0</u>	24.	<u>709</u>
9.	<u>0</u>	25.	<u>746</u>
10.	<u>0</u>	26.	<u>784</u>
11.	<u>0</u>	27.	<u>729</u>
12.	<u>0</u>	28.	<u>1102</u>
13.	<u>0</u>	29.	<u>1153</u>
14.	<u>0</u>	30.	<u>1149</u>
15.	<u>0</u>	31.	<u>1147</u>
16.	<u>0</u>		

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH: March 2000

AVERAGE DAILY POWER LEVEL (MWe-Net)		AVERAGE DAILY POWER LEVEL (MWe-Net)	
DAY		DAY	
1.	<u>1157</u>	17.	<u>1149</u>
2.	<u>1154</u>	18.	<u>1148</u>
3.	<u>1156</u>	19.	<u>1151</u>
4.	<u>1154</u>	20.	<u>1150</u>
5.	<u>1154</u>	21.	<u>1149</u>
6.	<u>1151</u>	22.	<u>1148</u>
7.	<u>1151</u>	23.	<u>1149</u>
8.	<u>1153</u>	24.	<u>1149</u>
9.	<u>1147</u>	25.	<u>1149</u>
10.	<u>1147</u>	26.	<u>1149</u>
11.	<u>1147</u>	27.	<u>1149</u>
12.	<u>1146</u>	28.	<u>1151</u>
13.	<u>1145</u>	29.	<u>1151</u>
14.	<u>1144</u>	30.	<u>1149</u>
15.	<u>1148</u>	31.	<u>1152</u>
16.	<u>1149</u>		

OPERATING DATA REPORT

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

1. Unit Name:	SQN Unit 1
2. Reporting Period:	March 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	2,184	164,377
12. Number of Hours Reactor was Critical	331.7	1,600.7	103,238
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	305.0	1,574.0	101,361.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	723,925.1	4,805,728.3	332,584,230.9
17. Gross Electric Energy Generated (MWh)	245,189	1,667,169	113,605,416
18. Net Electrical Energy Generated (MWh)	231,265	1,617,831	109,210,386
19. Unit Service Factor	41.0	72.1	61.7
20. Unit Availability Factor	41.0	72.1	61.7
21. Unit Capacity Factor (Using MDC Net)	27.7	66.0	59.2
22. Unit Capacity Factor (Using DER Net)	27.1	64.5	57.9
23. Unit Forced Outage Rate	8.2	1.7	26.1

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

OPERATING DATA REPORT

Docket No.	50-328
Date:	April 7, 2000
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 2
2. Reporting Period:	March 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	2,184	156,337
12. Number of Hours Reactor was Critical	744.0	2,142.8	106,699
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	2,135.1	104,670.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,536,041.6	7,222,423.4	337,470,979.1
17. Gross Electric Energy Generated (MWh)	881,162	2,514,484	115,117,010
18. Net Electrical Energy Generated (MWh)	856,670	2,440,934	110,624,856
19. Unit Service Factor	100.0	97.8	67.0
20. Unit Availability Factor	100.0	97.8	67.0
21. Unit Capacity Factor (Using MDC Net)	103.1	100.1	63.3
22. Unit Capacity Factor (Using DER Net)	100.3	97.4	61.6
23. Unit Forced Outage Rate	0.0	2.2	25.3

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: MARCH 2000**

DOCKET NO: 50-327
UNIT NAME: SQN-1
DATE: April 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
1	0000301	S	410.8	C	4				Unit 1 Cycle 10 refueling outage ended on March 18 at 0245 EST.
2	000318	S	1.2	B	9				Unit 1 was removed from the grid to perform scheduled turbine over-speed test. The unit was reconnected to the grid at 1419 EST.
3	000321	F	27.3	H	3	50-327/2000003	TB	RLY	On March 21 at 0440 EST, a Unit 1 reactor trip occurred. A design change that added two protective relays to detect a loss of excitation field contained a wiring error. The design error was corrected and verified to be functioning properly in the field.

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 2000**

DOCKET NO: 50-328
UNIT NAME: SQN-2
DATE: April 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 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**