



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

October 13, 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) - SEPTEMBER MONTHLY OPERATING REPORT

The enclosure provides the September 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:JWP:PDW

cc (Enclosure):

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ENCLOSURE

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

MONTHLY OPERATING REPORT

SEPTEMBER 2000

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

**OPERATIONAL SUMMARY
SEPTEMBER 2000**

I. SEQUOYAH OPERATIONAL SUMMARY

UNIT 1

Unit 1 generated 680,832 megawatthours (MWh) (gross) electrical power during September with a capacity factor of 81.4 percent. On September 25 at 1033 EDT, with Unit 1 operating at 100 percent power, an unplanned automatic reactor trip occurred following a runback to 70 percent power and a steam generator loop 2 low-low level alarm. Unit 1 was taken to Mode 4 at 2025 EDT on September 25. Unit 1 was taken to Mode 5 on September 27 at 0604 EDT and remained in Mode 5 at the end of September.

UNIT 2

Unit 2 generated 818,750 MWh (gross) electrical power during September with a capacity factor of 98.4 percent. Unit 2 operated at 100 percent power until September 19 at 1930 EDT when the unit entered coastdown to the Unit 2 Cycle 10 refueling outage. Unit 2 was operating at 91 percent power at the end of September.

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

No PORVs or safety valves were challenged in September.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 **UNIT NO.** ONE **DATE:** October 6, 2000

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

MONTH: SEPTEMBER 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>1118</u>	17.	<u>1134</u>
2.	<u>1115</u>	18.	<u>1132</u>
3.	<u>1113</u>	19.	<u>1133</u>
4.	<u>1117</u>	20.	<u>1133</u>
5.	<u>1114</u>	21.	<u>1133</u>
6.	<u>1115</u>	22.	<u>1132</u>
7.	<u>1113</u>	23.	<u>1135</u>
8.	<u>1103</u>	24.	<u>1134</u>
9.	<u>1115</u>	25.	<u>475</u>
10.	<u>1117</u>	26.	<u>0</u>
11.	<u>1126</u>	27.	<u>0</u>
12.	<u>1125</u>	28.	<u>0</u>
13.	<u>1124</u>	29.	<u>0</u>
14.	<u>1126</u>	30.	<u>0</u>
15.	<u>1125</u>	31.	<u>NA</u>
16.	<u>1122</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 **UNIT NO.** TWO **DATE:** October 6, 2000

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

MONTH: SEPTEMBER 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>1107</u>	17.	<u>1124</u>
2.	<u>1114</u>	18.	<u>1126</u>
3.	<u>1119</u>	19.	<u>1117</u>
4.	<u>1116</u>	20.	<u>1104</u>
5.	<u>1116</u>	21.	<u>1096</u>
6.	<u>1119</u>	22.	<u>1087</u>
7.	<u>1111</u>	23.	<u>1079</u>
8.	<u>1112</u>	24.	<u>1070</u>
9.	<u>1115</u>	25.	<u>1065</u>
10.	<u>1118</u>	26.	<u>1056</u>
11.	<u>1112</u>	27.	<u>1047</u>
12.	<u>1113</u>	28.	<u>1046</u>
13.	<u>1112</u>	29.	<u>1041</u>
14.	<u>1113</u>	30.	<u>1034</u>
15.	<u>1116</u>	31.	<u>NA</u>
16.	<u>1117</u>		

OPERATING DATA REPORT

Docket No.	50-327
Date:	October 6, 2000
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 1
2. Reporting Period:	September 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	720	6,575	168,768
12. Number of Hours Reactor was Critical	586.6	5,858.3	107,495
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	586.6	5,831.6	105,618.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	1,988,424.0	19,305,961.4	347,084,464.0
17. Gross Electric Energy Generated (MWh)	680,832	6,639,132	118,567,379
18. Net Electrical Energy Generated (MWh)	654,624	6,409,966	114,002,521
19. Unit Service Factor	81.5	88.7	62.6
20. Unit Availability Factor	81.5	88.7	62.6
21. Unit Capacity Factor (Using MDC Net)	81.0	86.9	60.2
22. Unit Capacity Factor (Using DER Net)	79.2	84.9	58.8
23. Unit Forced Outage Rate	18.5	2.7	25.4

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:	October 6, 2000
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 2
2. Reporting Period:	September 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	720	6,575	160,728
12. Number of Hours Reactor was Critical	720.0	6,533.8	111,090
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	6,526.1	109,061.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2,396,512.8	22,128,172.1	352,376,727.8
17. Gross Electric Energy Generated (MWh)	818,750	7,604,837	120,207,363
18. Net Electrical Energy Generated (MWh)	792,206	7,363,483	115,547,405
19. Unit Service Factor	100.0	99.3	67.9
20. Unit Availability Factor	100.0	99.3	67.9
21. Unit Capacity Factor (Using MDC Net)	98.5	100.3	64.4
22. Unit Capacity Factor (Using DER Net)	95.8	97.6	62.6
23. Unit Forced Outage Rate	0.0	0.7	24.6

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: SEPTEMBER 2000**

DOCKET NO: 50-327
UNIT NAME: SQN-1
DATE: October 6, 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
4	000925	F	133.4	A	3				On September 25 at 1033 EDT, Unit 1 experienced an unplanned automatic reactor trip. The root causes of the event were: lower motor bearing failure on the 1A MFP main oil pump, resulting in the motor tripping on thermal overloads and, less than optimal adjustment of the 1B MFP turbine governor, resulting in a lower control span and inability of the pump to provide sufficient feedwater flow. The 1A MFP turbine main oil pump motor bearing was replaced, the motor tested and returned to service. Calibration methodology of the MFP turbine governor was changed to ensure that during a transient, where one MFP is required to pick-up load, the governor valve will open to provide adequate steam flow to run the pump near its maximum speed.

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: SEPTEMBER 2000**

DOCKET NO: 50-328
UNIT NAME: SQN-2
DATE: October 6, 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 September.

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)

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1-Manual
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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**