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

September 14, 1998

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) - AUGUST MONTHLY OPERATING REPORT

The enclosure provides the August 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

1/1

IE24

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY

SEQUOYAH NUCLEAR PLANT (SQN)

MONTHLY OPERATING REPORT

AUGUST 1998

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY
AUGUST 1998

I. SEQUOYAH OPERATIONAL SUMMARY

UNIT 1

Unit 1 generated 812,784 megawatthours (MWh) (gross) electrical power during August with a capacity factor of 94.1 percent. There were no outages or power reductions of greater than 20 percent in the average daily power level during August. Unit 1 entered coastdown to the Unit 1 Cycle 9 refueling outage on August 12 at 0021 eastern daylight time (EDT). Unit 1 was operating at 86 percent power at the end of August and was continuing coastdown.

UNIT 2

Unit 2 generated 748,445 MWh (gross) electrical power during August with a capacity factor of 87.0 percent. Unit 2 experienced an unplanned automatic scram on August 27 at 1357 EDT as the result of a failure of a sudden pressure relay located on the 'B' phase main transformer. Disassembly of the relay determined that one rocker arm pin had worn to the degree that proper operation of the device was prevented. The pin failure mechanism appears to be wear (fretting). The failure resulted in actuation of the relay and the unit trip. Unit 2 entered Mode 3. Unit 2 was tied online on August 30 at 1903 EDT.

Unit 2 was operating at 97.5 percent power and increasing at the end of August.

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

No PORVs or safety valves were challenged in August.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT NO. ONE DATE: September 9, 1998

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

MONTH: AUGUST 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1121	17.	1064
2.	1119	18.	1054
3.	1116	19.	1049
4.	1118	20.	1014
5.	1115	21.	999
6.	1114	22.	999
7.	1109	23.	1015
8.	1107	24.	1004
9.	1106	25.	1003
10.	1108	26.	989
11.	1107	27.	987
12	1099	28.	982
13.	1097	29.	976
14.	1092	30.	970
15.	1077	31.	957
16.	1072		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT NO. TWO DATE: September 9, 1998

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

MONTH: AUGUST 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1116	17.	1116
2.	1116	18.	1119
3.	1118	19.	1116
4.	1116	20.	1117
5.	1112	21.	1117
6.	1111	22.	1115
7.	1111	23.	1117
8.	1111	24.	1117
9.	1111	25.	1114
10.	1111	26.	1116
11.	1113	27.	632
12	1114	28.	0
13.	1114	29.	0
14.	1117	30.	0
15.	1115	31.	625
16.	1115		

OPERATING DATA REPORT

Docket No.	50-327
Date:	September 9, 1998
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1.	Unit Name:	**SQN Unit 1**
2.	Reporting Period:	August 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	5,831	150,504
12.	Number of Hours Reactor was Critical	744.0	5,799.3	90,655
13.	Reactor Reserve Shutdown Hours	0	0	0
14.	Hours Generator On-Line	744.0	5,784.8	88,844.4
15.	Unit Reserve Shutdown Hours	0.0	0	0
16.	Gross Thermal Energy Generated (MWh)	2,389,855.2	19,537,406.1	290,781,401
17.	Gross Electric Energy Generated (MWh)	812,784	6,747,026	99,148,153
18.	Net Electrical Energy Generated (MWh)	784,504	6,530,810	95,230,707
19.	Unit Service Factor	100.0	99.2	59.0
20.	Unit Availability Factor	100.0	99.2	59.0
21.	Unit Capacity Factor (Using MDC Net)	94.0	99.8	56.4
22.	Unit Capacity Factor (Using DER Net)	91.9	97.6	55.1
23.	Unit Forced Outage Rate	0.0	0.8	28.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Unit 1 Cycle 9 refueling outage started September 9, 1998 with a duration of 37 days.
25. If Shutdown at End of Report Period, Estimate Date of Startup. N/A

OPERATING DATA REPORT

Docket No.	50-328
Date:	September 9, 1998
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1.	Unit Name:	**SQN Unit 2**
2.	Reporting Period:	August 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	5,831	142,464
12.	Number of Hours Reactor was Critical	676.9	5,763.9	93,419
13.	Reactor Reserve Shutdown Hours	0	0	0
14.	Hours Generator On-Line	666.9	5,753.9	91,428.4
15.	Unit Reserve Shutdown Hours	0.0	0	0
16.	Gross Thermal Energy Generated (MWh)	2,228,728.9	19,564,403.2	293,541,740
17.	Gross Electric Energy Generated (MWh)	748,445	6,719,272	99,941,636
18.	Net Electrical Energy Generated (MWh)	722,909	6,517,840	95,923,202
19.	Unit Service Factor	89.6	98.7	64.2
20.	Unit Availability Factor	89.6	98.7	64.2
21.	Unit Capacity Factor (Using MDC Net)	87.0	100.1	60.3
22.	Unit Capacity Factor (Using DER Net)	84.6	97.4	58.7
23.	Unit Forced Outage Rate	10.4	1.3	27.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
25. If Shutdown at End of Report Period, Estimate Date of Startup. N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: AUGUST 1998

DOCKET NO: 50-327
UNIT NAME: SQN-1
DATE: September 9, 1998
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 August. Unit 1 entered coastdown for the Unit 1 Cycle 9 refueling outage on August 12 at 0021 EDT. Unit 1 was operating at 86 percent power at the end of August.

[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: AUGUST 1998

DOCKET NO: 50-328
UNIT NAME: SQN-2
DATE: September 9, 1998
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	980827	F	77.1	A	3	50-328/1998002	FK	RLY	Unit 2 experienced an automatic scram on August 27 at 1357 EDT as the result of a failure of a sudden pressure relay located on the 'B' phase main transformer. Disassembly of the relay determined that one rocker arm pin had worn to the degree that proper operation of the device was prevented. The pin failure mechanism appears to be wear (fretting). The relay was replaced and the Unit was returned to service.

[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**