



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

October 8, 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) - 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
Licensing and Industry Affairs Manager

Enclosure
cc: See page 2

100100

11
IE24

9810140268 980930
PDR ADOCK 05000327
R PDR

U.S. Nuclear Regulatory Commission
Page 2
October 8, 1998

JDS:JWP:PMB

cc (Enclosure):

Mr. R. W. Hernan, Senior Project Manager
U.S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

INPO Records Center
Institute of Nuclear Power Operations
700 Galleria Parkway
Atlanta, Georgia 30339-5947

Ms. Barbara Lewis, Assistant Editor, Database
McGraw-Hill, Inc.
1200 G Street, NW, Suite 1100
Washington, D.C. 20005

Mr. James Lang, Manager
Advanced Reactor Department
Electric Power Research Institute
3340 Hillview Avenue
Palo Alto, California 94304

NRC Resident Inspector
Sequoyah Nuclear Plant
2600 Igou Ferry Road
Soddy-Daisy, Tennessee 37379-3624

Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303-3415

ENCLOSURE

TENNESSEE VALLEY AUTHORITY
SEQUOYAH NUCLEAR PLANT (SQN)

MONTHLY OPERATING REPORT

SEPTEMBER 1998

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

**OPERATIONAL SUMMARY
SEPTEMBER 1998**

I. SEQUOYAH OPERATIONAL SUMMARY

UNIT 1

Unit 1 generated 181,506 megawatthours (MWh) (gross) electrical power during September with a capacity factor of 21.71 percent. Unit 1 was removed from service on September 9, 1998, at 0100 Eastern Daylight time (EDT) for the Cycle 9 refueling outage. Core offload began on September 16 at 0021 EDT and core reload was completed on September 25 at 0950 EDT. Unit 1 remained in Mode 5 at the end of September.

UNIT 2

Unit 2 generated 827,933 MWh (gross) electrical power during September with a capacity factor of 99.5 percent. There were no outages or power reductions of greater than 20 percent in the average daily power level during September. Unit 2 was operating at 100 percent 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 2, 1998

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

MONTH: SEPTEMBER 1998

<u>DAY</u>	AVERAGE DAILY POWER LEVEL (MWe-Net)	<u>DAY</u>	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	941	17.	0
2.	933	18.	0
3.	925	19.	0
4.	925	20.	0
5.	917	21.	0
6.	905	22.	0
7.	899	23.	0
8.	823	24.	0
9.	0	25.	0
10.	0	26.	0
11.	0	27.	0
12.	0	28.	0
13.	0	29.	0
14.	0	30.	0
15.	0	31.	NA
16.	0		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT NO. TWO DATE: October 2, 1998

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

MONTH: SEPTEMBER 1998

<u>DAY</u>	AVERAGE DAILY POWER LEVEL <u>(MWe-Net)</u>	<u>DAY</u>	AVERAGE DAILY POWER LEVEL <u>(MWe-Net)</u>
1.	1105	17.	1117
2.	1109	18.	1114
3.	1108	19.	1122
4.	1114	20.	1123
5.	1114	21.	1119
6.	1114	22.	1120
7.	1109	23.	1118
8.	1114	24.	1120
9.	1116	25.	1122
10.	1117	26.	1123
11.	1129	27.	1124
12.	1126	28.	1121
13.	1128	29.	1126
14.	1128	30.	1127
15.	1121	31.	NA
16.	1123		

OPERATING DATA REPORT

Docket No.	50-327
Date:	October 2, 1998
Completed By:	T. J. Hollomon
Telephone:	(423) 843-7528

1. Unit Name:	SQN Unit 1
2. Reporting Period:	September 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	720	6,551	151,224
12. Number of Hours Reactor was Critical	193.0	5,992.3	90,848
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	193.0	5,977.8	89,037.4
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Energy Generated (MWh)	532,683.9	20,070,090.0	291,314,085
17. Gross Electric Energy Generated (MWh)	181,506	6,928,532	99,329,659
18. Net Electrical Energy Generated (MWh)	171,570	6,702,380	95,402,277
19. Unit Service Factor	26.8	91.3	58.9
20. Unit Availability Factor	26.8	91.3	58.9
21. Unit Capacity Factor (Using MDC Net)	21.2	91.2	56.2
22. Unit Capacity Factor (Using DER Net)	20.8	89.1	55.0
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.
25. If Shutdown at End of Report Period, Estimate Date of Startup. October 8, 1998

OPERATING DATA REPORT

Docket No.	50-328
Date:	<u>October 2, 1998</u>
Completed By:	<u>T. J. Hollomon</u>
Telephone:	<u>(423) 843-7528</u>

1. Unit Name:	<u>SON Unit 2</u>
2. Reporting Period:	<u>September 1998</u>
3. Licensed Thermal Power (MWt):	<u>3411.0</u>
4. Nameplate Rating (Gross Mwe):	<u>1220.6</u>
5. Design Electrical Rating (Net Mwe):	<u>1148.0</u>
6. Maximum Dependable Capacity (Gross MWe):	<u>1156</u>
7. Maximum Dependable Capacity (Net MWe):	<u>1117</u>

8. If changes occur in Capacity Rating (Item Numbers 2 & 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

	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	720	6,551	143,184
12. Number of Hours Reactor was Critical	720	6,483.9	94,139
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	720.0	6,473.9	92,148.4
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Energy Generated (MWh)	2,453,376.0	22,017,779.2	295,995,116
17. Gross Electric Energy Generated (MWh)	827,933	7,547,205	100,772,569
18. Net Electrical Energy Generated (MWh)	803,373	7,321,213	96,726,575
19. Unit Service Factor	100.0	98.8	64.4
20. Unit Availability Factor	100.0	98.8	64.4
21. Unit Capacity Factor (Using MDC Net)	99.9	100.1	60.5
22. Unit Capacity Factor (Using DER Net)	97.2	97.3	58.8
23. Unit Forced Outage Rate	0.0	1.2	27.8

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: SEPTEMBER 1998**

DOCKET NO: 50-327
UNIT NAME: SQN-1
DATE: October 2, 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
2	980909	S	527.0	C	1	N/A	N/A	N/A	Unit 1 Cycle 9 refueling outage began on September 9, 1998 at 0100 EDT. Unit 1 was in Mode 5 at the end of 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)

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 1998**

DOCKET NO: 50-328
UNIT NAME: SQN-2
DATE: October 2, 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 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)

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