



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

Ken Powers
Vice President, Sequoyah Nuclear Plant

May 16, 1994

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) - APRIL 1994 MONTHLY OPERATING REPORT

Enclosed is the April 1994 Monthly Operating Report as required by SQN Technical Specification 6.9.1.10.

If you have any questions concerning this matter, please call J. W. Proffitt at (615) 843-6651.

Sincerely,

Ken Powers

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission
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cc (Enclosure):

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TENNESSEE VALLEY AUTHORITY

NUCLEAR POWER GROUP
SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT

TO THE

NUCLEAR REGULATORY COMMISSION

APRIL 1994

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY
APRIL 1994

UNIT 1

Unit 1 generated 119,390 megawatthours (MWh) (gross) electrical power during April with a capacity factor of 14.4 percent. Unit 1 was in Mode 3 at the beginning of the month. The reactor was taken critical on April 13 at 1123 EDT. The Unit 1 Cycle 6 Refueling Outage ended on April 20 at 0338 EDT when the generator was synchronized to the grid. On April 27 at 1027 EDT, with reactor power at approximately 74 percent, a power decrease was initiated to allow the 1B main feed pump to be removed from service for repairs. Unit 1 was operating at approximately 48 percent reactor power at the end of April.

UNIT 2

Unit 2 generated 842,987 megawatthours (MWh) (gross) electrical power during April with a capacity factor of 102.3 percent. Unit 2 operated at near 100 percent reactor power during the month of April.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT No. One DATE: 05-01-94
 COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528
 MONTH: APRIL 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-14	17	-16
2	-14	18	-14
3	-15	19	-16
4	-16	20	156
5	-14	21	237
6	-14	22	248
7	-16	23	246
8	-16	24	313
9	-14	25	632
10	-14	26	738
11	-14	27	620
12	-16	28	475
13	-18	29	468
14	-14	30	500
15	-16	31	N/A
16	-14		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT No. Two DATE: 05-01-94
 COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528
 MONTH: APRIL 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1122	17	1120
2	1124	18	1122
3	1121	19	1121
4	1128	20	1122
5	1123	21	1127
6	1123	22	1132
7	1122	23	1135
8	1121	24	1137
9	1131	25	1133
10	1123	26	1096
11	1123	27	1125
12	1121	28	1134
13	1122	29	1126
14	1123	30	1140
15	1121	31	N/A
16	1094		

OPERATING DATA REPORT

DOCKET NO. 50-327
 DATE 05/01/94
 COMPLETED BY T. J. Holloman
 TELEPHONE (615) 843-7528

OPERATING STATUS

- | | Notes |
|---|-------|
| 1. Unit Name: <u>Sequoyah Unit One</u> | |
| 2. Reporting Period: <u>April 1994</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>1151.0</u> | |
| 7. Maximum Dependable Capacity (Net MWe): <u>1111.0</u> | |
| 8. If Changes Occur in Capacity Ratings (Item Numbers 3 Through 7) Since Last Report, Give Reasons: | |

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	<u>719</u>	<u>2,879</u>	<u>112,488</u>
12. Number of Hours Reactor Was Critical	<u>420.6</u>	<u>420.6</u>	<u>56,450</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>260.4</u>	<u>260.4</u>	<u>55,088.9</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>430,759.0</u>	<u>430,759.0</u>	<u>179,324,513</u>
17. Gross Electrical Energy Generated (MWH)	<u>119,390</u>	<u>119,390</u>	<u>60,822,044</u>
18. Net Electrical Energy Generated (MWH)	<u>105,228</u>	<u>92,965</u>	<u>58,257,002</u>
19. Unit Service Factor	<u>36.2</u>	<u>9.0</u>	<u>49.0</u>
20. Unit Availability Factor	<u>36.2</u>	<u>9.0</u>	<u>49.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>13.2</u>	<u>2.9</u>	<u>46.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>12.7</u>	<u>2.8</u>	<u>45.1</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>38.6</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. IF Shut Down At End Of Report Period, Estimated Date of Startup: _____

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: April 1994

DOCKET NO: 50-327
 UNIT NAME: One
 DATE: 05/09/94
 COMPLETED BY: I. J. Hollomon*
 TELEPHONE: (615) 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	940401	S	458.6	C	4	N/A	N/A	N/A	Unit 1 was in Mode 3 at the beginning of the month. The Unit 1 Cycle 6 refueling outage ended when the generator was synchronized to the grid on April 20 at 0338 EDT.
2	940427	F		B	5				On April 27 at 1027 EDT, with reactor power at approximately 74 percent, a power level decrease was initiated to allow 1B main feed pump to be removed from service for maintenance. The 1B main feed pump would not maintain speed as a result of particles in the speed control fluid. The fluid was drained and the system cleaned as appropriate. A lower micron filter has been installed on the system to reduce the particle size in the system. Unit 1 was operating at approximately 48 percent reactor power at the end of April.

¹F: Forced
 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 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: April 1994

DOCKET NO: 50-328
 UNIT NAME: Two
 DATE: 05/09/94
 COMPLETED BY: T. J. Hollomon
 TELEPHONE: (615) 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 to report during April.

¹F: Forced
 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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