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

Robert A. Fenech
Vice President, Sequoyah Nuclear Plant

February 15, 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) - JANUARY 1994 MONTHLY OPERATING REPORT

Enclosed is the January 1994 Monthly Operating Report as required by SQN Technical Specification 6.9.1.10. It should be noted that the unit capacity indicators, gross maximum capacity and net maximum dependable capacity, have been revised to reflect baseline testing that was performed on each unit.

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

Sincerely,

Robert A. Fenech

Enclosure
cc: See page 2

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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

JANUARY 1994

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY
JANUARY 1994

UNIT 1

The Unit 1 Cycle 6 refueling outage continues. Unit 1 remained in Mode 5 through the end of January.

UNIT 2

Unit 2 generated 713,520 megawatthours (MWh) (gross) electrical power during January with a capacity factor of 83.69 percent. Unit 2 was operating at approximately 100 percent reactor power at the beginning of January.

At 1610 Eastern standard time (EST) on January 5, the 2B-B centrifugal charging pump (CCP) tripped on timed overcurrent "A" phase, and letdown isolated. The 2A-A CCP was started. It was later discovered that the 2B-B CCP had a broken shaft. On January 7 at 1352 EST, a power decrease was initiated because of technical specification requirements when it was determined that the repair time on the 2B-B CCP would exceed the 72-hour limiting condition for operation requirement.

Unit 2 was taken offline on January 8 at 0420 EST and entered Mode 2 at 1420 EST, maintaining reactor power at approximately 2 percent to test the main steam isolation valves at operating temperature. Unit 2 entered Mode 3 at 1838 EST on January 8 and entered Mode 4 at 2305 EST that day.

Unit 2 heatup to Mode 3 was initiated on January 11 at 0625 EST. Unit 2 entered Mode 3 at 0708 EST on January 11, and the reactor was taken critical at 0612 EST on January 12. Unit 2 entered Mode 1 on January 12 at 1428 EST and tied to the grid at 2159 EST that day. Unit 2 was operating at 100 percent reactor power on January 14 at 1446 EST and continued to operate at 100 percent reactor power through the end of January.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT No. One DATE: 02-04-94

COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528

MONTH: JANUARY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-2	17	-1
2	-2	18	-1
3	-1	19	-1
4	-1	20	-2
5	-1	21	-2
6	-1	22	-1
7	-2	23	-1
8	-28	24	-2
9	-26	25	-1
10	-26	26	-1
11	-28	27	-2
12	-35	28	-1
13	-7	29	-1
14	-2	30	-2
15	-2	31	-1
16	-1		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT No. Two DATE: 02-04-94

COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528

MONTH: JANUARY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1142	17	1144
2	1143	18	1142
3	1142	19	1142
4	1142	20	1142
5	1135	21	1142
6	1143	22	1143
7	1046	23	1143
8	47	24	1140
9	-2	25	1143
10	-5	26	1143
11	-5	27	1144
12	10	28	1140
13	437	29	1143
14	1085	30	1142
15	1143	31	1142
16	1143		

OPERATING DATA REPORT

DOCKET NO. 50-327
DATE 02/04/94
COMPLETED BY T. J. Hollomon
TELEPHONE (615) 843-7528

OPERATING STATUS

Notes

1. Unit Name: Sequoyah Unit One
2. Reporting Period: January 1994
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): 1151.0
7. Maximum Dependable Capacity (Net MWe): 1111.0
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	744	744	110,353
12. Number of Hours Reactor Was Critical	0	0	56,029
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	0	54,828.5
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	0	178,893,754
17. Gross Electrical Energy Generated (MWH)	0	0	60,702,654
18. Net Electrical Energy Generated (MWH)	-4,536	-4,536	58,159,501
19. Unit Service Factor	0	0	49.7
20. Unit Availability Factor	0	0	49.7
21. Unit Capacity Factor (Using MDC Net)	-0.5	-0.5	47.4
22. Unit Capacity Factor (Using DER Net)	-0.5	-0.5	45.9
23. Unit Forced Outage Rate	0	0	38.7

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: March 26, 1994 (gen sync)

OPERATING DATA REPORT

DOCKET NO. 50-328
DATE 02/04/94
COMPLETED BY T. J. Hollomon
TELEPHONE (615) 843-7528

OPERATING STATUS

Notes

1. Unit Name: Sequoyah Unit Two
2. Reporting Period: January 1994
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): 1146.0
7. Maximum Dependable Capacity (Net MWe): 1106.0
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	744	744	102,313
12. Number of Hours Reactor Was Critical	684.4	684.4	59,443
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	630.4	630.4	57,923.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,081,774.4	2,081,774.4	181,844,726
17. Gross Electrical Energy Generated (MWH)	713,520	713,520	61,641,464
18. Net Electrical Energy Generated (MWH)	689,135	689,135	58,967,421
19. Unit Service Factor	84.7	84.7	56.6
20. Unit Availability Factor	84.7	84.7	56.6
21. Unit Capacity Factor (Using MDC Net)	83.7	83.7	52.1
22. Unit Capacity Factor (Using DER Net)	80.7	80.7	50.2
23. Unit Forced Outage Rate	15.3	15.3	37.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit 2 Cycle 6 refueling outage; July 3, 1994; 67 days

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: January 1994

DOCKET NO: 50-327
UNIT NAME: One
DATE: 02/09/94
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
1	940101	S	744	C	4	N/A	N/A	N/A	The Unit 1 Cycle 6 refueling outage continues.

[1] F: Forced
S: Scheduled

[2] Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restruction
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: January 1994

DOCKET NO: 50-328
UNIT NAME: Two
DATE: 02/09/94
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
1	940107	F	113.7	A	1	328/94002	CB	P	On January 7, 1994, at 1352 EST, a reactor power shutdown was initiated because repairs to the 2B-B centrifugal charging pump (CCP) broken shaft could not be completed within the 72-hour technical specification time limit. The shaft break was determined to be the result of material fatigue. The pump shaft was replaced, and the pump was tested and returned to service. The cause of the fatigue failure is being further evaluated. Unit 2 was returned to service on January 12 at 2159 EST after the repairs were completed on the 2B-B CCP.

[1] F: Forced
S: Scheduled

[2] Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restruction
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