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

J. L. Wilson
Vice President, Sequoyah Nuclear Plant

May 15, 1992

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 1992 MONTHLY OPERATING REPORT

Enclosed is the April 1992 Monthly Operating Report as required by SQN Technical Specification 6.9.1.10.

If you have any questions concerning this matter, please call M. A. Cooper at (615) 843-8924.

Sincerely,

J. L. Wilson

Enclosure
cc: See page 2

IE24
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TENNESSEE VALLEY AUTHORITY

NUCLEAR POWER GROUP
SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT

TO THE

NUCLEAR REGULATORY COMMISSION

APRIL 1992

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY
APRIL 1992

UNIT 1

Unit 1 generated 243,180 megawatt hours (MWh) (gross) electrical power during April with a capacity factor of 29.11 percent. At the beginning of April, Unit 1 remained in a forced outage for resolution of ice condenser door problems and feedwater nozzle transition piece and elbow replacement.

On April 14 at 0758 Eastern daylight time (EDT), Unit 1 start-up was initiated. Criticality was reached on April 17 at 2309 EDT and tied on-line on April 18 at 0616 EDT. Unit 1 was taken to 100 percent reactor thermal power on April 23 at 1645 EDT.

On April 28 at 2023 EDT, Unit 1 experienced a reactor trip as a result of a turbine trip from a loss of load. The pressurizer power-operated relief valves (PORVs) opened, and Unit 1 entered Mode 3. The cause of the trip was determined to be a spurious operation of the sudden pressure relay on the transformer serving Phase B of the generator, resulting from a ground.

On April 29 at 2226 EDT, while in the process of returning Unit 1 to service, Unit 1 experienced an automatic safety injection from low steam line pressure. All twelve steam dump valves had spuriously opened for approximately ten seconds. The main steam isolation valves closed and the emergency core cooling system (ECCS) injected about 2500 gallons of borated water into the Unit 1 reactor coolant system.

Unit 1 remained in a forced outage for steam dump valve control circuitry repair and replacement at the end of April.

UNIT 2

The Unit 2 Cycle 5 refueling outage continued throughout the month of April 1992. Core reload began on April 11 at 0029 EDT and was completed on April 13 at 1754 EDT. Unit 2 entered Mode 5 on April 20 at 0117 EDT.

Unit 2 remained in Mode 5 at the end of April.

POWER-OPERATED RELIEF VALVES AND SAFETY VALVES SUMMARY

After the Unit 1 turbine and reactor trip on April 28, 1992, a pressurizer PORV lifted for a short duration (approximately 3-4 seconds), and tailpipe temperatures behaved as expected. Steam generator PORVs also lifted to compensate for the loss of load. There was no challenge to pressurizer safeties.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT No. One DATE: 05-07-92

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

MONTH: APRIL 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-5	17	-26
2	-5	18	178
3	-5	19	359
4	-7	20	485
5	-5	21	1049
6	-5	22	1119
7	-7	23	1126
8	-5	24	1133
9	-7	25	1134
10	-7	26	1132
11	-7	27	1132
12	-7	28	962
13	-7	29	-12
14	-23	30	-12
15	-30	31	N/A
16	-23		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT No. Two DATE: 05-07-92

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

MONTH: APRIL 1992

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

OPERATING DATA REPORT

DOCKET NO. 50-327
DATE May 7, 1992
COMPLETED BY T. J. Hollomon
TELEPHONE (615) 843-7528

OPERATING STATUS

	Notes
1. Unit Name: Sequoyah Unit One	
2. Reporting Period: April 1992	
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): 1162.0	
7. Maximum Dependable Capacity (Net MWe): 1122.0	

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	719	2,903	94,968
12. Number of Hours Reactor Was Critical	261.2	2,135.5	49,089.0
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	254.1	2,128.3	47,903.4
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Energy Generated (MWH)	719,910.2	6,694,147.0	156,306,680
17. Gross Electrical Energy Generated (MWH)	243,180	2,307,948	52,975,444
18. Net Electrical Energy Generated (MWH)	228,490	2,216,095	50,780,829
19. Unit Service Factor	35.3	73.3	50.5
20. Unit Availability Factor	35.3	73.3	50.5
21. Unit Capacity Factor (Using MDC Net)	28.3	68.0	47.7
22. Unit Capacity Factor (Using DER Net)	27.7	66.5	46.6
23. Unit Forced Outage Rate	64.7	25.7	41.0

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: May 3, 1992

OPERATING DATA REPORT

DOCKET NO. 50-328
DATE May 7, 1992
COMPLETED BY T. J. Hollomon
TELEPHONE (615) 843-7528

OPERATING STATUS

Notes

1. Unit Name: Sequoyah Unit Two
2. Reporting Period: April 1992
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): 1162.0
7. Maximum Dependable Capacity (Net MWe): 1122.0
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	719	2,903	86,928
12. Number of Hours Reactor Was Critical	0.0	1,717.5	50,726
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0.0	1,704.5	49,747.7
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Energy Generated (MWH)	0.0	5,160,732.5	156,088,045
17. Gross Electrical Energy Generated (MWH)	0	1,762,266	52,920,557
18. Net Electrical Energy Generated (MWH)	-5,768	1,685,943	50,630,907
19. Unit Service Factor	0.0	58.7	57.2
20. Unit Availability Factor	0.0	58.7	57.2
21. Unit Capacity Factor (Using MDC Net)	0.0	51.8	51.9
22. Unit Capacity Factor (Using DER Net)	0.0	50.6	50.7
23. Unit Forced Outage Rate	0.0	2.6	35.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit 2 Cycle 5 refueling outage began March 13, 1992.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: May 17, 1992

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: April 1992

DOCKET NO: 50-327
UNIT NAME: One
DATE: 05/07/92
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
4	920319	F	413.3	B	4	327/92007	BC	IR	Unit 1 forced outage continued for replacement of FW nozzle transition pieces. Unit 1 tied online at 0616 EDT on 4/18/92 and reached 100 percent power on 4/23/92 at 1645 EDT.
5	920428	F	51.6	A	3	327/92010	FK	RLY	On 4/28/92 at 2023 EDT, Unit 1 experienced a reactor trip as a result of a turbine trip from a loss of load. Pressurizer PORVs opened and Unit 1 entered Mode 3. The cause of the trip was determined to be a spurious operation of the sudden pressure relay on the transformer serving Phase B of the generator, resulting from a ground. The source of the ground was identified and cleared.
						327/92011	SB	PIC	On 4/29/92 at 2226 EDT, while in process of returning Unit 1 to service, Unit 1 experienced an automatic safety injection from low steam line pressure. All twelve steam dump valves had spuriously opened for approximately ten seconds. The main steam isolation valves closed and the ECCS injected about 2500 gallons of borated water into the Unit 1 RCS. Unit 1 remained in a forced outage for steam dump valve control circuitry repair and replacement at the end of April.

[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: April 1992

DOCKET NO: 50-328
UNIT NAME: Two
DATE: 05/07/92
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
2	920313	S	719.0	C	4	N/A	N/A	N/A	Unit 2 entered Cycle 5 refueling outage at 2120 EST on 3/13/92 when the unit was removed from the grid. Unit 2 Cycle 5 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:
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