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

August 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) - JULY 1994 MONTHLY OPERATING REPORT

Enclosed is the July 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,

R. H. Shell

R. H. Shell
Manager
SQN Site Licensing

Enclosure
cc: See page 2

190070

IE24

cc (Enclosure):

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TENNESSEE VALLEY AUTHORITY

SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT

TO THE

NUCLEAR REGULATORY COMMISSION

JULY 1994

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY
JULY 1994

UNIT 1

Unit 1 generated 708,920 megawatthours (MWh) (gross) electrical power during July with a capacity factor of 82.8 percent.

On July 13 at 1350 EDT, a power level decrease was initiated as a result of exciter and voltage regulator problems associated with the main generator. On July 15 at 1101 EDT, with the reactor at approximately 20 percent power, the turbine was manually tripped, and the unit was removed from service to allow for exciter and voltage regulator repairs.

On July 15 at 1352 EDT, with Unit 1 operating at approximately 25 percent reactor power and the turbine offline, a manual reactor trip was initiated as a result of the loss of the No. 4 Reactor Coolant Pump (RCP). RCP No. 4 tripped as a result of the loss of power to the control circuit to the 1-D unit board. During the tagging of the Unit 1 generator for maintenance work, the bus side potential transformer fuses were pulled instead of the line side fuses. When the fuses were pulled, the board bus sensed a loss of voltage and subsequently tripped off loads on the 1-D unit board. Operators stabilized the unit in Mode 3.

The Unit 1 reactor was taken critical on July 17 at 2243 EDT and was tied to the grid on July 18 at 2002 EDT.

Unit 1 was operating at approximately 96 percent reactor power at the end of July.

UNIT 2

Unit 2 generated 80,069 megawatthours (MWh) (gross) electrical power during July with a capacity factor of 9.4 percent. Unit 2 was operating at approximately 79 percent reactor power at the beginning of the month and was in coastdown to the Unit 2 Cycle 6 refueling outage. On July 4 at 2106 EDT, Unit 2 was taken offline, and the refueling outage began. On July 19 at 1438 EDT, the first fuel assembly was removed from the core. The core was offloaded by 1846 EDT on July 21. Unit 2 remained in "no mode" with the core offloaded at the end of July.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT No. One DATE: 08-02-94

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

MONTH: JULY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1123	17	-21
2	1123	18	-3
3	1120	19	357
4	1121	20	627
5	1103	21	1076
6	1102	22	1118
7	1071	23	1120
8	1106	24	1114
9	1108	25	1116
10	1116	26	1113
11	1028	27	1116
12	975	28	1116
13	1018	29	1120
14	940	30	1023
15	179	31	1059
16	-21		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT No. Two DATE: 08-02-94

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

MONTH: JULY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	885	17	-16
2	877	18	-16
3	867	19	-5
4	571	20	-5
5	-14	21	-7
6	-8	22	-4
7	-8	23	-6
8	-6	24	-4
9	-4	25	-6
10	-4	26	-5
11	-4	27	-6
12	-6	28	-4
13	-7	29	-4
14	-6	30	-4
15	-12	31	-6
16	-19		

OPERATING DATA REPORT

DOCKET NO. 50-327
DATE 08/02/94
COMPLETED BY I. J. Hollomon
TELEPHONE (615) 843-7528

OPERATING STATUS

Notes

1. Unit Name: Sequoyah Unit One
2. Reporting Period: July 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	5,087	114,696
12. Number of Hours Reactor Was Critical	687.2	2,501.0	58,530
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	663.0	2,274.7	57,103.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,153,549.0	6,982,009.3	185,875,763
17. Gross Electrical Energy Generated (MWH)	708,920	2,330,480	63,033,134
18. Net Electrical Energy Generated (MWH)	679,917	2,222,230	60,386,267
19. Unit Service Factor	89.1	44.7	49.8
20. Unit Availability Factor	89.1	44.7	49.8
21. Unit Capacity Factor (Using MDC Net)	82.3	39.3	47.4
22. Unit Capacity Factor (Using DER Net)	79.6	38.1	45.9
23. Unit Forced Outage Rate	10.9	7.8	37.9

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:

OPERATING DATA REPORT

DOCKET NO. 50-328
DATE 08/02/94
COMPLETED BY T. J. Hollomon
TELEPHONE (615) 843-7528

OPERATING STATUS

Notes

1. Unit Name: Sequoyah Unit Two
2. Reporting Period: July 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	5,087	106,656
12. Number of Hours Reactor Was Critical	94.3	4,377 7	63,136
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	93.1	4,322.5	61,616.0
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	243,427.2	14,285,939.3	194,048,891
17. Gross Electrical Energy Generated (MWH)	80,069	4,913,026	65,840,970
18. Net Electrical Energy Generated (MWH)	72,036	4,730,795	63,009,081
19. Unit Service Factor	12.5	85.0	57.8
20. Unit Availability Factor	12.5	85.0	57.8
21. Unit Capacity Factor (Using MDC Net)	8.8	84.1	53.4
22. Unit Capacity Factor (Using DER Net)	8.4	81.0	51.5
23. Unit Forced Outage Rate	0.0	2.6	35.5

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: November 1, 1994

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1994

DOCKET NO: 50-328
UNIT NAME: Two
DATE: 08/02/94
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
3	940704	S	650.9	C	1				The Unit 2 Cycle 6 refueling outage began on July 4 at 2106 EDT.

[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: July 1994

DOCKET NO: 50-327
UNIT NAME: One
DATE: 08/02/94
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
3	940713	F	2.8	B	5				On July 13 at 1350 EDT, a power level decrease was initiated as a result of problems with the main generator's voltage regulator. On July 15 at 1101 EDT, the turbine was manually tripped to perform voltage regulator repairs. The voltage regulator pulse generator card had failed. The card was subsequently replaced and returned to service.
4	940715	F	78.2	G	2	50-327/94011	202		On July 15 at 1352 EDT, Operations initiated a manual reactor trip as a result of the loss of the No. 4 RCP. RCP No. 4 tripped as a result of the loss of power to the control circuit. During the tagging of the Unit 1 generator for maintenance work, an operator incorrectly removed the bus side potential transformer fuses, resulting in a loss of voltage and subsequent tripping of loads on the 1-D unit board. The cause of the event was operator error. The appropriate disciplinary actions have been taken.

[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)
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