



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

Robert A. Fenech  
Vice President, Sequoyah Nuclear Plant

May 12, 1993

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 1993 MONTHLY OPERATING REPORT

Enclosed is the April 1993 Monthly Operating Report as required by SQN  
Technical Specification 6.9.1.10.

If you have any questions concerning this matter, please call  
B. S. Schofield at (615) 843-8924.

Sincerely,

Robert A. Fenech

Enclosure  
cc: See page 2

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PDR ADOCK 05000327  
R PDR

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U.S. Nuclear Regulatory Commission

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May 12, 1993

cc (Enclosure):

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TENNESSEE VALLEY AUTHORITY

NUCLEAR POWER GROUP  
SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT  
TO THE  
NUCLEAR REGULATORY COMMISSION

APRIL 1993

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY  
APRIL 1993

UNIT 1

Unit 1 was in Mode 5 and in a forced outage at the beginning of April as a result of erosion/corrosion problems. Unit 1 prerefueling outage activities were underway in preparation for the Unit 1 Cycle 6 refueling outage.

The Unit 1 Cycle 6 refueling outage officially began at 0000 EDT on April 8. Unit 1 entered Mode 6 on April 11 at 2152 EDT, and core offload began on April 18 at 1429 EDT. The last fuel assembly was removed from the reactor vessel at 1932 EDT on April 20. Unit 1 remained defueled at the end of April.

UNIT 2

Unit 2 remained in Mode 5 during the entire month of April as a result of inspection and repairs on secondary side piping as a result of erosion/corrosion problems.

POWER-OPERATED RELIEF VALVES (PORVs) AND SAFETY VALVES SUMMARY

There were no challenges to PORVs or safety valves in April.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT No. One DATE: 05-05-93  
 COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528  
 MONTH: APRIL 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-2	17	-1
2	-5	18	-1
3	-7	19	-1
4	-5	20	-1
5	-5	21	-1
6	-7	22	0
7	-7	23	-1
8	-5	24	-1
9	-9	25	-1
10	-6	26	-1
11	-4	27	-4
12	-1	28	-1
13	-1	29	-8
14	-1	30	-6
15	0	31	N/A
16	-1		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328

UNIT No. Two

DATE: 05-05-93

COMPLETED BY: T. J. Hollomon

TELEPHONE: (615) 843-7528

MONTH: APRIL 1993

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

# OPERATING DATA REPORT

DOCKET NO. 50-327  
DATE 05/05/93  
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 1993</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>1162.0</u>   |       |
| 7. Maximum Dependable Capacity (Net MWe): <u>1122.0</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>103,728</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>1,281.3</u>	<u>56,029</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>0</u>	<u>1,220.6</u>	<u>54,828.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>3,915,909.5</u>	<u>178,893,754</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>1,358,540</u>	<u>60,702,654</u>
18. Net Electrical Energy Generated (MWH)	<u>-2,268</u>	<u>1,288,239</u>	<u>58,210,461</u>
19. Unit Service Factor	<u>0</u>	<u>42.4</u>	<u>52.9</u>
20. Unit Availability Factor	<u>0</u>	<u>42.4</u>	<u>52.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>-0.3</u>	<u>39.9</u>	<u>50.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>-0.3</u>	<u>39.0</u>	<u>48.9</u>
23. Unit Forced Outage Rate	<u>100.0</u>	<u>57.6</u>	<u>39.1</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: July 23, 1993

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: APRIL 1993DOCKET NO: 50-327UNIT NAME: OneDATE: 05/06/93COMPLETED BY: T. J. HollomonTELEPHONE: (615) 843-7528

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
3	930401	F	167	B	4	N/A	N/A	N/A	Unit 1 remained in the forced outage that began March 2, 1993, as a result of the identified erosion/corrosion problems.
4	930408	S	552	C	4	N/A	N/A	N/A	On April 8 at 0000 EDT, Unit 1 officially entered the Unit 1 Cycle 6 refueling outage. The refueling outage continued through the end of April.

<sup>1</sup>F: Forced  
S: Scheduled

<sup>2</sup>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)

<sup>3</sup>Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Continuation of Existing Outage  
5-Reduction  
9-Other

<sup>4</sup>Exhibit G-Instructions  
for Preparation of Data  
Entry sheets for Licensee  
Event Report (LER) File  
(NUREG-1022)

<sup>5</sup>Exhibit I-Same Source



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: APRIL 1993DOCKET NO: 50-328UNIT NAME: TwoDATE: 05/06/93COMPLETED BY: T. J. HollomonTELEPHONE: (615) 843-7528

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
3	930401	F	719	A	4	328/93001	TL	EXC	Unit 2 remained in the forced outage through the end of April. The outage began on March 1, 1993, as a result of the identified erosion/corrosion problems.

<sup>1</sup>F: Forced  
S: Scheduled

<sup>2</sup>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)

<sup>3</sup>Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Continuation of Existing Outage  
5-Reduction  
9-Other

<sup>4</sup>Exhibit G-Instructions  
for Preparation of Data  
Entry sheets for Licensee  
Event Report (LER) File  
(NUREG-1022)

<sup>5</sup>Exhibit I-Same Source

# OPERATING DATA REPORT

SOCKET NO. 50-328  
 DATE 05/05/93  
 COMPLETED BY T. J. Hollomon  
 TELEPHONE (615) 843-7528

## OPERATING STATUS

- |   | Notes |
|---|-------|
| 1. Unit Name: <u>Sequoyah Unit Two</u>  |       |
| 2. Reporting Period: <u>April 1993</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>1162.0</u>   |       |
| 7. Maximum Dependable Capacity (Net MWe): <u>1122.0</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>95,488</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>1,291.9</u>	<u>57,505</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>0</u>	<u>1,158.2</u>	<u>56,235.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>3,773,305.1</u>	<u>176,955,084</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>1,283,783</u>	<u>60,006,902</u>
18. Net Electrical Energy Generated (MWH)	<u>-4,887</u>	<u>1,221,158</u>	<u>57,436,433</u>
19. Unit Service Factor	<u>0</u>	<u>40.2</u>	<u>58.8</u>
20. Unit Availability Factor	<u>0</u>	<u>40.2</u>	<u>58.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>-0.6</u>	<u>37.8</u>	<u>53.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>-0.6</u>	<u>36.9</u>	<u>52.3</u>
23. Unit Forced Outage Rate	<u>100.0</u>	<u>59.8</u>	<u>34.0</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: July 4, 1993