



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37375-2000

April 9, 1997

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

In the Matter of )  
Tennessee Valley Authority )

Docket Nos. 50-327  
50-328

SEQUOYAH NUCLEAR PLANT (SQN) - MARCH 1997 MONTHLY OPERATING  
REPORT

Enclosed is the March 1997 Monthly Operating Report as required by SQN Technical  
Specification 6.9.1.10.

If you have any questions concerning this matter, please telephone J. W. Proffitt at (423)  
843-6651.

Sincerely,

R. H. Shell

Site Licensing and Industry Affairs Manager

Enclosure

cc: See page 2

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R PDR

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cc (Enclosure):

Mr. R. W. Hernan, Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint, North  
11555 Rockville Pike  
Rockville, Maryland 20852-2739

INPO Records Center  
Institute of Nuclear Power Operations  
700 Galleria Parkway  
Atlanta, Georgia 30339-5957

Mr. James Lang, Manager  
Advanced Reactor Department  
Electric Power Research Institute  
3340 Hillview Avenue  
Palo Alto, California 94304

NRC Resident Inspector  
Sequoyah Nuclear Plant  
2600 Igou Ferry Road  
Soddy-Daisy, Tennessee 37379-3624

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323-2711

Mr. F. Yost, Director Research Services  
Utility Data Institute  
1200 G Street, NW, Suite 250  
Washington, D.C. 20005

**TENNESSEE VALLEY AUTHORITY**

**SEQUOYAH NUCLEAR PLANT**

**MONTHLY OPERATING REPORT**

**TO THE**

**NUCLEAR REGULATORY COMMISSION**

**MARCH 1997**

**UNIT 1**

**DOCKET NUMBER 50-327**

**LICENSE NUMBER DPR-77**

**UNIT 2**

**DOCKET NUMBER 50-328**

**LICENSE NUMBER DPR-79**

## OPERATIONAL SUMMARY MARCH 1997

### UNIT 1

Unit 1 generated 509,088 megawatthours (MWh) (gross) electrical power during March with a capacity factor of 59.2 percent. Unit 1 entered Cycle 8 refueling outage on March 22, 1997 at 0054 EST when the reactor was shut down and entered Mode 3. Unit 1 was in Mode 6 at the end of March with fuel being unloaded from the core.

### UNIT 2

Unit 2 generated 868,213 megawatthours (MWh) (gross) electrical power during March with a capacity factor of 101.0 percent. Unit 2 was operating at approximately 100 percent reactor power at the end of the month.

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

No PORVs or safety valves were challenged in March.

### AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327

UNIT NO. One

DATE: 04-03-97

COMPLETED BY: T. J. Hollomon

TELEPHONE: (423) 843-7528

MONTH: MARCH 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1062
2	1054
3	1040
4	1032
5	1025
6	1014
7	1012
8	1002
9	992
10	977
11	975
12	965
13	960
14	945
15	941
16	934

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	923
18	919
19	909
20	897
21	792
22	-13
23	-15
24	-4
25	-4
26	-4
27	-4
28	-4
29	-4
30	-4
31	-4

### AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328

UNIT NO. Two

DATE: 04-03-97

COMPLETED BY: T. J. Hollomon

TELEPHONE: (423) 843-7528

MONTH: MARCH 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	924
2	960
3	1122
4	1142
5	1143
6	1144
7	1145
8	1142
9	1143
10	1142
11	1144
12	1144
13	1143
14	1144
15	1146
16	1146

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1145
18	1145
19	1143
20	1144
21	1144
22	1143
23	1144
24	1144
25	1142
26	1143
27	1144
28	1144
29	1144
30	1143
31	1139

# OPERATING DATA REPORT

DOCKET NO. 50-327  
DATE 04/03/97  
COMPLETED BY T. J. Hollomon  
TELEPHONE (423) 843-7528

## OPERATING STATUS

1. Unit Name: Sequoyah Unit One
2. Reporting Period: March 1997
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): 1155.0
7. Maximum Dependable Capacity (Net MWe): 1117.0
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	<u>744</u>	<u>2,160</u>	<u>138,073</u>
12. Number of Hours Reactor Was Critical	<u>504.9</u>	<u>1,920.9</u>	<u>79,244</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>504.9</u>	<u>1,920.9</u>	<u>77,492.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>1,446,648.0</u>	<u>6,242,349.6</u>	<u>252,597,337</u>
17. Gross Electrical Energy Generated (MWh)	<u>509,088</u>	<u>2,178,003</u>	<u>85,970,143</u>
18. Net Electrical Energy Generated (MWh)	<u>488,648</u>	<u>2,102,459</u>	<u>82,480,097</u>
19. Unit Service Factor	<u>67.9</u>	<u>88.9</u>	<u>56.1</u>
20. Unit Availability Factor	<u>67.9</u>	<u>88.9</u>	<u>56.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>58.8</u>	<u>87.1</u>	<u>53.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>57.2</u>	<u>84.8</u>	<u>52.0</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>31.5</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: May 7, 1997

# OPERATING DATA REPORT

DOCKET NO. 50-328  
 DATE 04/03/97  
 COMPLETED BY T. J. Hollomon  
 TELEPHONE (423) 843-7528

## OPERATING STATUS

1. Unit Name: Sequoyah Unit Two  
 2. Reporting Period: March 1997  
 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): 1155.0  
 7. Maximum Dependable Capacity (Net MWe): 1117.0  
 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	<u>744</u>	<u>2,160</u>	<u>130,033</u>
12. Number of Hours Reactor Was Critical	<u>744.0</u>	<u>2,160.0</u>	<u>81,762</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>2,160.0</u>	<u>79,832.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2,504,371.2</u>	<u>7,319,690.4</u>	<u>255,059,344</u>
17. Gross Electrical Energy Generated (MWh)	<u>868,213</u>	<u>2,534,610</u>	<u>86,733,667</u>
18. Net Electrical Energy Generated (MWh)	<u>839,877</u>	<u>2,452,962</u>	<u>83,132,681</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>61.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>61.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.1</u>	<u>101.7</u>	<u>57.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.3</u>	<u>98.9</u>	<u>55.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>30.7</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: N/A



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: MARCH 1997DOCKET NO.: 50-327UNIT NAME: OneDATE: 04/03/97COMPLETED BY: T. J. HollomonTELEPHONE: (423) 843-7528

No.	Date	Type <sup>1</sup>	Outage 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
1	970322	S	239.1	C	1				Unit 1 has entered Cycle 8 refueling outage on March 22 at 0054 EST. Unit 1 was in Mode 6 with core offload in progress at the end of March.

<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 Exam  
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: MARCH 1997DOCKET NO.: 50-328UNIT NAME: TwoDATE: 04/03/97COMPLETED BY: T. J. HollomonTELEPHONE: (423) 843-7528

No.	Date	Type <sup>1</sup>	Outage 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
									There were no outages or power reductions of greater than 20 percent to report during March.

<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 Exam  
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