



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

July 15, 1991

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) - JUNE 1991 MONTHLY OPERATING REPORT

Enclosed is the June 1991 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) 843-8422.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*M. A. Cooper*  
for E. C. Wallace, Manager  
Nuclear Licensing and  
Regulatory Affairs

Enclosure

cc: See page 2

9107220242 910630  
PDR ADOCK 05000327  
PDR

JE24/1

U.S. Nuclear Regulatory Commission  
July 15, 1991

cc (Enclosure):

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Utility Data Institute  
1700 K Street, NW, Suite 400  
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TENNESSEE VALLEY AUTHORITY

NUCLEAR POWER GROUP  
SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT

TO THE

NUCLEAR REGULATORY COMMISSION

JUNE 1991

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY  
JUNE 1991

UNIT 1

Unit 1 generated 827,310 megawatthours (MWh) (gross) electrical power during June, with a capacity factor of 98.9 percent.

UNIT 2

Unit 2 generated 806,600 MWh (gross) electrical power during June with a capacity factor of 96.4 percent. On June 23, 1991, at 0824 Eastern daylight time (EDT), with Unit 2 operating at 100 percent power, Hotwell Pump 2B tripped due to an electrical short in the motor stator. The motor stator had a weak insulation area in the ground-wall insulation portion of the coil resulting in the failure of the coil. Manual turbine runback was initiated, and Unit 2 power level was reduced to 88 percent. The Hotwell Pump 2B motor stator coil windings were replaced, and vibration tests were performed. At 0002 EDT on June 28, 1991, Unit 2 power increase was initiated. Unit 2 was operating at 100 percent power at 0210 EDT on June 28, 1991.

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

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

OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

There were no changes to the ODCM during June.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327

UNIT No. One

DATE: 07-08-91

COMPLETED BY: T. J. Hollomon

TELEPHONE: (615) 843-7528

MONTH: JUNE 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1121
2	1122
3	1122
4	1120
5	1121
6	1119
7	1119
8	1119
9	1121
10	1119
11	1120
12	1119
13	1118
14	1119
15	1117
16	1107

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1114
18	1116
19	1115
20	1116
21	1090
22	1050
23	1068
24	1076
25	1102
26	1116
27	1118
28	1116
29	1119
30	1117
31	N/A

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT No. Two DATE: 07 28-91  
 COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528  
 MONTH: JUNE 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1108	17	1100
2	1108	18	1100
3	1108	19	1098
4	1105	20	1093
5	1103	21	1090
6	1102	22	1090
7	1102	23	1019
8	1100	24	980
9	1100	25	986
10	1101	26	1001
11	1101	27	1003
12	1101	28	1093
13	1101	29	1097
14	1101	30	1097
15	1101	31	N/A
16	1100		

# OPERATING DATA REPORT

DOCKET NO. 50-327  
 DATE July 8, 1991  
 COMPLETED BY T. J. Holloman  
 TELEPHONE (615) 843-7528

## OPERATING STATUS

- |   | Notes |
|---|-------|
| 1. Unit Name: <u>Sequoyah Unit One</u>  |       |
| 2. Reporting Period: <u>June 1991</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 (Items Number 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>720</u>	<u>4,343</u>	<u>87,648</u>
12. Number of Hours Reactor Was Critical	<u>720.0</u>	<u>4,212.3</u>	<u>44,284</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>4,193.3</u>	<u>43,289.3</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,435,763.4</u>	<u>14,180,520.6</u>	<u>141,466,588</u>
17. Gross Electrical Energy Generated (MWH)	<u>827,310</u>	<u>4,842,990</u>	<u>47,963,576</u>
18. Net Electrical Energy Generated (MWH)	<u>799,550</u>	<u>4,675,824</u>	<u>45,972,700</u>
19. Unit Service Factor	<u>100.0</u>	<u>96.6</u>	<u>49.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>96.6</u>	<u>49.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.0</u>	<u>96.0</u>	<u>46.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>96.7</u>	<u>93.8</u>	<u>45.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>3.4</u>	<u>42.9</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Unit 1 Cycle 5 refueling outage is scheduled to begin October 5, 1991, with generator  
synchronization scheduled for November 29, 1991.

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



# OPERATING DATA REPORT

DOCKET NO. 50-328  
 DATE July 8, 1991  
 COMPLETED BY T. J. Hollomon  
 TELEPHONE (315) 843-7528

## OPERATING STATUS

1. Unit Name: Sequoyah Unit Two
2. Reporting Period: June 1991
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 (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

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>720</u>	<u>4,343</u>	<u>79,608</u>
12. Number of Hours Reactor Was Critical	<u>720.0</u>	<u>4,343.0</u>	<u>44,814</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>4,306.0</u>	<u>43,866.4</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,414,990.2</u>	<u>14,529,214.5</u>	<u>136,803,665</u>
17. Gross Electrical Energy Generated (MWH)	<u>806,600</u>	<u>4,942,610</u>	<u>46,430,826</u>
18. Net Electrical Energy Generated (MWH)	<u>777,392</u>	<u>4,768,619</u>	<u>44,394,697</u>
19. Unit Service Factor	<u>100.0</u>	<u>99.1</u>	<u>55.1</u>
20. Unit Availability Factor	<u>100.0</u>	<u>99.1</u>	<u>55.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.2</u>	<u>97.9</u>	<u>49.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.1</u>	<u>95.6</u>	<u>48.6</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.9</u>	<u>38.0</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: N/A



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: June 1991DOCKET NO: 50-327UNIT NAME: OneDATE: 07/10/91COMPLETED BY: I. J. HollomanTELEPHONE: (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
									No shutdown or power reductions greater than 10 percent for a 24-hour period to report.

<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: June 1991DOCKET NO: 50-328UNIT NAME: TwoDATE: 07/10/91COMPLETED BY: I. J. HollomanTELEPHONE: (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
4	910623	F		A	S		50	MO	On 6/23/91 at 0824 EDT Hotwell Pump 2B tripped due to an electrical short in the motor stator. The motor stator had a weak insulation area in the ground-wall insulation portion of the coil resulting in a failure of the coil. Manual turbine runback was initiated, and power was reduced to 88 percent. The Hotwell Pump 2B motor stator windings were replaced, and vibration tests were performed. At 0002 EDT on 6/28/91, Unit 2 power increase was initiated. Unit 2 was again operating at 100 percent reactor power level at 0210 EDT on 6/28/91.

<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

DATE: 07/11/91

TO: DOCUMENT CONTROL DESK

U.S. NRC, DOC CTRL IN WIDE DMN 6-12, WASHINGTON

SUBJECT: REVISIONS TO CONTROLLED PROCEDURE MANUAL NO. 08

THE PROCEDURE REVISIONS OR ADDITIONS INDICATED BELOW HAVE  
MANUALS AND SUPERSEDED PAGES HAVE BEEN DESTROYED. DELETED  
HAVE BEEN DESTROYED. PLEASE INFORM ALL PERSONNEL UNDER YOUR  
THEY ARE PROVIDED WITH CURRENT FORMS AND CHECKLISTS ASSOCIATED  
SIGNATURE THAT YOUR MANUAL HAS BEEN CURRENTLY CHANGED AND  
RETURN THIS NOTIFICATION TO THE CENTRAL FILE SUPERVISOR BY

PROCEDURE

NEW REVISION

PROCEDURE

BIP-600-A1

BIP-600-A4

NAME (PRINT)

DATE

UPDATED BY

DATE

DIC 1998

BEEN RECEIVED AND INCORPORATED INTO YOUR PREVIOUS  
PROCEDURES HAVE BEEN REMOVED FROM YOUR MANUAL AND  
YOUR DIRECTOR ARE AWARE OF THESE CHANGES AND THAT  
THEY WILL BE WITH ANY OF THESE PROCEDURES. ACKNOWLEDGE BY  
SIGNATURE AND DATE THAT ALL PAGES ARE CLEARLY LEGIBLE AND COMPLETE.  
07/18/91

NEW REVISION

PROCEDURE

NEW REVISION

# SI APERTURE CARD

Also Available On  
Aperture Card