

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

APR 12 1990

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

Gentlemen:

In the Matter of
Tennessee Valley Authority

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Docket Nos. 50-327
50-328

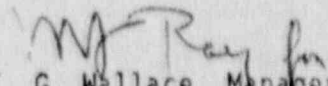
SEQUOYAH NUCLEAR PLANT (SQN) - MARCH 1990 MONTHLY OPERATING REPORT

Enclosed is the March 1990 Monthly Operating Report as required by SQN
Technical Specification 6.9.1.10.

If you have any questions concerning this matter, please call R. R. Thompson
at (615) 843-7470.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


E. G. Wallace, Manager
Nuclear Licensing and
Regulatory Affairs

Enclosures

cc (Enclosures):

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TENNESSEE VALLEY AUTHORITY

NUCLEAR POWER GROUP
SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT
TO THE
NUCLEAR REGULATORY COMMISSION
MARCH 1990

UNIT 1

DOCKET NUMBER 50-327
LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328
LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY
MARCH 1990

UNIT 1

Unit 1 generated 409,760 MWh (gross) electrical power during March, with a capacity factor of 46.56 percent. In February, Unit 1 entered its coastdown to Unit 1 Cycle 4 (U1C4) refueling outage. On March 17, 1990, at 0258 Eastern standard time (EST), the unit was removed from the grid and officially entered the U1C4 refueling outage.

UNIT 2

Unit 2 generated 826,950 MWh (gross) electrical power during March, with a capacity factor of 98.05 percent. Unit 2 operated at approximately 100 percent power throughout the month, except for one power reduction. On March 12, 1990, at 1126 EST, a power reduction was initiated for maintenance on level transmitter 2-LT-3-172. Unit 2 was again operating at 100 percent power level on March 13, 1990, at 1133 EST.

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

There were no challenges to PORVs or safety valves in the month of March.

OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

There were no changes to the ODCM during the month of March.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327

UNIT One

DATE 04-02-90

COMPLETED BY T. J. Hollomon

TELEPHONE (615) 843-7528

MONTH MARCH 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1106</u>
2	<u>1095</u>
3	<u>1090</u>
4	<u>1083</u>
5	<u>1063</u>
6	<u>1056</u>
7	<u>1045</u>
8	<u>1028</u>
9	<u>1022</u>
10	<u>1018</u>
11	<u>1012</u>
12	<u>1008</u>
13	<u>1000</u>
14	<u>988</u>
15	<u>981</u>
16	<u>908</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>24</u>
18	<u>- 5</u>
19	<u>0</u>
20	<u>- 5</u>
21	<u>- 5</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328

Unit Two

DATE 04-02-90

COMPLETED BY T. J. Hollomon

TELEPHONE (615) 843-7528

MONTH MARCH 1990

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1139</u>
2	<u>1138</u>
3	<u>1141</u>
4	<u>1140</u>
5	<u>1140</u>
6	<u>1141</u>
7	<u>1136</u>
8	<u>1138</u>
9	<u>1138</u>
10	<u>1139</u>
11	<u>1139</u>
12	<u>850</u>
13	<u>1034</u>
14	<u>1087</u>
15	<u>1124</u>
16	<u>1137</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1134</u>
18	<u>1134</u>
19	<u>1135</u>
20	<u>1134</u>
21	<u>1134</u>
22	<u>1134</u>
23	<u>1134</u>
24	<u>1132</u>
25	<u>1131</u>
26	<u>1130</u>
27	<u>1130</u>
28	<u>1132</u>
29	<u>1130</u>
30	<u>1130</u>
31	<u>1130</u>

OPERATING DATA REPORT

DOCKET NO. 50-327
 DATE April 2, 1990
 COMPLETED BY T. J. Hollomon
 TELEPHONE (615) 843-7528

OPERATING STATUS

	Notes
1. Unit Name: <u>Sequoyah Unit One</u>	!
2. Reporting Period: <u>March 1990</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>1183.0</u>	!
7. Maximum Dependable Capacity (Net MWe): <u>1148.0</u>	!
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: <u>N/A</u>	!

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>76,705</u>
12. Number of Hours Reactor Was Critical	<u>387.2</u>	<u>1,803.2</u>	<u>35,299</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>387.0</u>	<u>1,803.0</u>	<u>34,492.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>1,181,001</u>	<u>5,839,530</u>	<u>112,175,410</u>
17. Gross Electrical Energy Generated (MWh)	<u>409,760</u>	<u>2,026,980</u>	<u>38,050,736</u>
18. Net Electrical Energy Generated (MWh)	<u>394,633</u>	<u>1,960,169</u>	<u>36,432,198</u>
19. Unit Service Factor	<u>52.0</u>	<u>83.5</u>	<u>45.0</u>
20. Unit Availability Factor	<u>52.0</u>	<u>83.5</u>	<u>45.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>46.2</u>	<u>79.0</u>	<u>41.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>46.2</u>	<u>79.0</u>	<u>41.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>48.0</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: May 22, 1990

OPERATING DATA REPORT

DOCKET NO. 50-328
 DATE April 2, 1990
 COMPLETED BY T. J. Holloman
 TELEPHONE (615) 843-7528

OPERATING STATUS

	!Notes	!
1. Unit Name: <u>Sequoyah Unit Two</u>	!	!
2. Reporting Period: <u>March 1990</u>	!	!
3. Licensed Thermal Power (MwL): <u>3411.0</u>	!	!
4. Nameplate Rating (Gross MwL): <u>1220.6</u>	!	!
5. Design Electrical Rating (Net MwL): <u>1148.0</u>	!	!
6. Maximum Dependable Capacity (Gross MwL): <u>1183.0</u>	!	!
7. Maximum Dependable Capacity (Net MwL): <u>1148.0</u>	!	!
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: <u>N/A</u>		

9. Power Level To Which Restricted, If Any (Net MwL): 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>68,665</u>
12. Number of Hours Reactor Was Critical	<u>744</u>	<u>2,160</u>	<u>35,690</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>34,855.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MwH)	<u>2,491,759</u>	<u>7,148,184</u>	<u>107,558,443</u>
17. Gross Electrical Energy Generated (MwH)	<u>862,950</u>	<u>2,463,820</u>	<u>36,484,616</u>
18. Net Electrical Energy Generated (MwH)	<u>834,334</u>	<u>2,376,688</u>	<u>34,827,022</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>50.8</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>50.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.7</u>	<u>95.9</u>	<u>44.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.7</u>	<u>95.9</u>	<u>44.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>43.4</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit 2 Cycle 4 refueling outage is scheduled for October 1990 with a duration of 70 days.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: March 1990DOCKET NO: 50-327UNIT NAME: OneDATE: 04/02/90COMPLETED BY: T. J. HollomanTELEPHONE: (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	900317	S	357.02	C	1				Unit 1 Cycle 4 refueling outage. Unit 1 was offline at 0258 (EST), entered Mode 2 at 0304 (EST), entered Mode 3 at 0310 (EST), and entered Mode 4 at 1847 (EST). The unit entered Mode 5 on 3/18/90 at 0830 (EST), and entered Mode 6 on 3/26/90 at 1210 (EST).

¹F: Forced
S: Scheduled

²Reason:
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)

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

⁴Exhibit G-Instructions
for Preparation of Data
Entry sheets for Licensee
Event Report (LER) File
(NUREG-051)

⁵Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: March 1990DOCKET NO: 50-328UNIT NAME: TwoDATE: 04/02/90COMPLETED BY: T. J. HollomonTELEPHONE: (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		F		A	S				Initiated power reduction on Unit 2 at 1127 (EST), on 3/12/90 after failure of level transmitter 2-LT-3-172. Unit 2 reached 50 percent power level at 1510 (EST). Reactor power level reached 30 percent at 2005 (EST). Load increase was initiated at 2215 (EST). Unit 2 was operating at 100 percent reactor power level on 3/13/90, at 1133 (EST).

¹F: Forced
S: Scheduled

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training and License Examination
 F-Administrative
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³ Method:
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 9-Other

⁴Exhibit G-Instructions
 for Preparation of Data
 Entry sheets for Licensee
 Event Report (LER) File
 (NUREG-061)

⁵Exhibit I-Same Source