

TENNESSEE VALLEY AUTHORITY

NUCLEAR POWER GROUP  
SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT  
TO THE  
NUCLEAR REGULATORY COMMISSION  
FEBRUARY 1990

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

9005070271 900314  
PDR ADOCK 05000327  
R PDR

OPERATIONAL SUMMARY  
FEBRUARY 1990

UNIT 1

Unit 1 generated 789,450 MWh (gross) electrical power during February with a capacity factor of 99.30 percent. The unit operated at approximately 100 percent power until February 26, 1990, when the unit entered coastdown to Unit 1 Cycle 4 refueling outage. Unit 1 was operating at approximately 96 percent power at the end of the month.

UNIT 2

Unit 2 generated 784,910 MWh (gross) electrical power during February with a capacity factor of 98.73 percent. SI-106.3, "Ice Condenser - Ice Bed (Unit 2)," was performed with the unit operating at 100 percent power. The following page summarizes the results of the SI-106.3 performance.

Unit 2 experienced no power reductions during the month and was operating at approximately 100 percent power at the end of the month.

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

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

OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

Revision 24 to the ODCM is attached.

UNIT 2 ICE CONDENSER INSPECTION  
SUMMARY OF SI-106.3 TEST RESULTS

- \* Bays 1, 2, 17, and 20 met 33 percent inspection criteria. Fifty-four flow passages were inspected.
- \* Bays 3, 5, 6, 8, 9, 10, 13, 15, 16, 18, 19, 23, and 24 met the 100 percent inspection criteria. All 162 flow passages were inspected.
- \* Bays 4, 7, 11, 12, 14, 21, and 22 failed the 100 percent inspection criteria. These bays were cleaned, reinspected, and met the 100 percent inspection criteria.
- \* Approximately 7 percent (275 out of 3888) of the flow passages were inspected using the camera. The remaining flow passages were inspected using the drop light.
- \* Two CAQRs were written during the performance of the test.

CAQR SQP901502 was written because of miscellaneous debris found during the inspection.

CAQR SQP901503 was written when Bays 4, 7, 11, 12, 14, 21, and 22 failed to meet the 15 percent blockage criteria.



# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327

UNIT One

DATE 03-01-90

COMPLETED BY T. J. Hollomon

TELEPHONE (615) 843-7528

MONTH FEBRUARY 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1144</u>	17	<u>1140</u>
2	<u>1145</u>	18	<u>1138</u>
3	<u>1146</u>	19	<u>1137</u>
4	<u>1144</u>	20	<u>1138</u>
5	<u>1144</u>	21	<u>1139</u>
6	<u>1144</u>	22	<u>1137</u>
7	<u>1142</u>	23	<u>1139</u>
8	<u>1142</u>	24	<u>1140</u>
9	<u>1142</u>	25	<u>1140</u>
10	<u>1141</u>	26	<u>1130</u>
11	<u>1141</u>	27	<u>1117</u>
12	<u>1137</u>	28	<u>1118</u>
13	<u>1140</u>	29	<u>          </u>
14	<u>1141</u>	30	<u>          </u>
15	<u>1140</u>	31	<u>          </u>
16	<u>1138</u>		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328

Unit Two

DATE 03-01-90

COMPLETED BY T. J. Hollomon

TELEPHONE (615) 543-7528

MONTH FEBRUARY 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1132</u>
2	<u>1133</u>
3	<u>1132</u>
4	<u>1129</u>
5	<u>1131</u>
6	<u>1131</u>
7	<u>1129</u>
8	<u>1130</u>
9	<u>1129</u>
10	<u>1128</u>
11	<u>1128</u>
12	<u>1127</u>
13	<u>1127</u>
14	<u>1126</u>
15	<u>1126</u>
16	<u>1126</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1126</u>
18	<u>1125</u>
19	<u>1126</u>
20	<u>1127</u>
21	<u>1129</u>
22	<u>1134</u>
23	<u>1139</u>
24	<u>1140</u>
25	<u>1139</u>
26	<u>1136</u>
27	<u>1139</u>
28	<u>1140</u>
29	<u>          </u>
30	<u>          </u>
31	<u>          </u>

# OPERATING DATA REPORT

DOCKET NO. 50-327  
 DATE March 1, 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>February 1990</u>	!
3. Licensed Thermal Power (MWh): <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>672</u>	<u>1,416</u>	<u>75,961</u>
12. Number of Hours Reactor Was Critical	<u>672</u>	<u>1,416</u>	<u>34,912</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>34,105.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MMBtu)	<u>2,281,894</u>	<u>4,658,530</u>	<u>110,994,409</u>
17. Gross Electrical Energy Generated (MMBtu)	<u>789,450</u>	<u>1,617,220</u>	<u>37,640,976</u>
18. Net Electrical Energy Generated (MMBtu)	<u>765,134</u>	<u>1,565,536</u>	<u>36,037,565</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>44.9</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>44.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.2</u>	<u>96.3</u>	<u>41.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.2</u>	<u>96.3</u>	<u>41.3</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>48.3</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Unit 1 Cycle 4 refuel outage in March 1990 with a duration of 70 days.</u>			

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



# OPERATING DATA REPORT

DOCKET NO. 50-328  
 DATE March 1, 1990  
 COMPLETED BY T. J. Holloman  
 TELEPHONE (615) 843-7528

## OPERATING STATUS

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

Notes

9. Power Level To Which Restricted, If Any (Net Mw): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	672	1,416	67,921
12. Number of Hours Reactor Was Critical	672	1,416	34,946
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	672.7	1,416.0	34,111.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWh)	2,287,291	4,656,425	105,066,684
17. Gross Electrical Energy Generated (MWh)	784,910	1,600,970	35,621,666
18. Net Electrical Energy Generated (MWh)	758,416	1,544,354	33,992,688
19. Unit Service Factor	100.0	100.0	50.2
20. Unit Availability Factor	100.0	100.0	50.2
21. Unit Capacity Factor (Using MDC Net)	98.3	95.0	43.6
22. Unit Capacity Factor (Using DER Net)	98.3	95.0	43.6
23. Unit Forced Outage Rate	0.0	0.0	43.9
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: N/A

REPORT MONTH: February 1990

TELEPHONE: (615) 843-7528

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



DOCKET NO: 50-328  
UNIT NAME: Two  
DATE: 03/01/90  
COMPLETED BY: T. J. Holloman  
TELEPHONE: (615) 843-7528

REPORT MONTH: February 1990

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 outage or power reductions during the month. Unit at approximately 100 percent power level entire month.

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)

Method:

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

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

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