

ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY

NUCLEAR POWER GROUP  
SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT

TO THE

NUCLEAR REGULATORY COMMISSION

JANUARY 1990

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

9003010073 900215  
PDR ADOCK 05000327  
R PDC

OPERATIONAL SUMMARY  
JANUARY 1990

UNIT 2

Unit 2 generated 815,960 MWh (gross) of electrical power during January with a capacity factor of 92.71 percent. At the beginning of January, the unit was operating at approximately 75 percent power to extend the life of the core. On January 4, 1990, at 0307 (EST), the power level was decreased for further maintenance on FCVs 6-105 and 6-106. The reactor reached 65 percent power at 0430 (EST), on January 4, 1990, and maintained that power level until maintenance was complete.

On January 7, 1990, at 1151 (EST), the SOS directed the Unit 2 operator to begin increasing the reactor power level. The unit reached 100 percent power at 2121 (EST), that day.

Unit 2 continued to operate at approximately 100 percent power through the end of January.

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

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

OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

There were no changes to the ODCM in the month of January.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327

UNIT One

DATE 02-02-90

COMPLETED BY T. J. Hollomon

TELEPHONE (615) 843-7528

MONTH JANUARY 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>863</u>	17	<u>1150</u>
2	<u>735</u>	18	<u>1144</u>
3	<u>819</u>	19	<u>1150</u>
4	<u>861</u>	20	<u>1149</u>
5	<u>867</u>	21	<u>1149</u>
6	<u>864</u>	22	<u>1146</u>
7	<u>961</u>	23	<u>1143</u>
8	<u>1148</u>	24	<u>1144</u>
9	<u>1147</u>	25	<u>1145</u>
10	<u>1094</u>	26	<u>1143</u>
11	<u>1049</u>	27	<u>1145</u>
12	<u>1147</u>	28	<u>1144</u>
13	<u>1148</u>	29	<u>1144</u>
14	<u>1149</u>	30	<u>1143</u>
15	<u>1149</u>	31	<u>1143</u>
16	<u>1151</u>		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328

Unit Two

DATE 02-02-90

COMPLETED BY T. J. Hollomon

TELEPHONE (615) 843-7528

MONTH JANUARY 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>852</u>	17	<u>1128</u>
2	<u>851</u>	18	<u>1129</u>
3	<u>857</u>	19	<u>1129</u>
4	<u>737</u>	20	<u>1131</u>
5	<u>738</u>	21	<u>1132</u>
6	<u>733</u>	22	<u>1134</u>
7	<u>865</u>	23	<u>1134</u>
8	<u>1133</u>	24	<u>1135</u>
9	<u>1135</u>	25	<u>1136</u>
10	<u>1134</u>	26	<u>1136</u>
11	<u>1134</u>	27	<u>1135</u>
12	<u>1133</u>	28	<u>1135</u>
13	<u>1131</u>	29	<u>1135</u>
14	<u>1131</u>	30	<u>1132</u>
15	<u>1131</u>	31	<u>1133</u>
16	<u>1130</u>		



# OPERATING DATA REPORT

DOCKET NO. 50-327  
 DATE February 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>January 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>744</u>	<u>75,289</u>
12. Number of Hours Reactor Was Critical	<u>744</u>	<u>744</u>	<u>34,240</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>744.0</u>	<u>33,433.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2,376,636</u>	<u>2,376,636</u>	<u>108,712,515</u>
17. Gross Electrical Energy Generated (MWh)	<u>827,770</u>	<u>827,770</u>	<u>36,851,526</u>
18. Net Electrical Energy Generated (MWh)	<u>800,402</u>	<u>800,402</u>	<u>35,272,431</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>44.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>44.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>93.7</u>	<u>93.7</u>	<u>40.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>93.7</u>	<u>93.7</u>	<u>40.8</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>48.8</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 February 2, 1990  
 COMPLETED BY T. J. Hollomon  
 TELEPHONE (615) 843-7528

## OPERATING STATUS

	Notes
1. Unit Name: <u>Sequoyah Unit Two</u>	
2. Reporting Period: <u>January 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>744</u>	<u>67,249</u>
12. Number of Hours Reactor Was Critical	<u>744</u>	<u>744</u>	<u>34,274</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>744.0</u>	<u>33,439.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,369,133.8</u>	<u>2,369,133.8</u>	<u>102,779,393</u>
17. Gross Electrical Energy Generated (MWH)	<u>815,960</u>	<u>815,960</u>	<u>34,836,756</u>
18. Net Electrical Energy Generated (MWH)	<u>785,938</u>	<u>785,938</u>	<u>33,234,272</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>49.7</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>49.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>92.0</u>	<u>92.0</u>	<u>43.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>92.0</u>	<u>92.0</u>	<u>43.0</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>44.4</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: January 1990DOCKET NO: 50-327UNIT NAME: OneDATE: 02/02/90COMPLETED BY: T. J. HollomonTELEPHONE: (615) 843-7528

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
891229	S		F	4				Initiated power reduction at 1805 (EST), to extend the life of the core. Unit operating at 75% at end of December.
900102	S		B	5				Initiated power reduction to 65% to perform further maintenance on FCVs 6-105 and 6-106. Unit reached 65% on 1/2/90 at 0343 (EST). After maintenance on FCVs 6-105 and 6-106, power increase was initiated at 0623 (EST), on 1/3/90. Unit reached 75% at 0816 (EST), and held at 75% to extend the life of the core. Unit 1 power level increase to 100% was initiated at 1146 (EST), on 1/7/90. Unit 1 reached 100% at 1745 (EST).

<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-061)<sup>5</sup>Exhibit I-Same Source



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: January 1990DOCKET NO: 50-328UNIT NAME: TwoDATE: 02/02/90COMPLETED BY: T. 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
17	891229	S		F	4				Initiated power reduction at 2232 (EST), to extend the life of the core. Unit operating at 75% at end of December.
1	900104	S		B	5				Initiated power reduction to 65% to perform further maintenance on FCVs 6-105 and 6-106. Unit reached 65% on 1/4/90 at 0430 (EST). After maintenance on FCVs 6-105 and 6-106, power increase was initiated on 1/7/90 at 1151 (EST). Unit 2 reached 100% power at 1211 (EST), on 1/7/90.

<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-061)<sup>5</sup>Exhibit I-Same Source