

ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY

NUCLEAR POWER GROUP  
SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT

TO THE

NUCLEAR REGULATORY COMMISSION

NOVEMBER 1969

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY  
NOVEMBER 1989

UNIT 1

Unit 1 continued to operate efficiently during November. It generated 849,360 MWh (gross) of electrical power with a capacity factor of 99.72 percent. Unit 1 operated at approximately 100 percent power throughout the month.

UNIT 2

Unit 2 generated 490,760 MWh (gross) of electrical power during November with a capacity factor of 57.62 percent. To extend the life of the core, the unit operated at 75 percent power until November 8, 1989, when it was taken offline for work on the reactor head-vent valves. Unit 2 tied online again on November 15, 1989, at 2047 (EST), and was brought to 85 percent power on November 17, 1989. The power level was held at 85 percent to extend the life of the core.

Unit 2 power level was increased to 100 percent on November 29, 1989, to help meet load demands on the grid. The unit was operating at approximately 100 percent at the end of November.

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

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

OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327  
 UNIT One  
 DATE 12-6-89  
 COMPLETED BY T. J. Hollomon  
 TELEPHONE (615) 843-7528

MONTH: NOVEMBER 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1140</u>	17	<u>1135</u>
2	<u>1139</u>	18	<u>1141</u>
3	<u>1140</u>	19	<u>1143</u>
4	<u>1140</u>	20	<u>1144</u>
5	<u>1139</u>	21	<u>1146</u>
6	<u>1140</u>	22	<u>1147</u>
7	<u>1139</u>	23	<u>1149</u>
8	<u>1138</u>	24	<u>1151</u>
9	<u>1136</u>	25	<u>1145</u>
10	<u>1139</u>	26	<u>1131</u>
11	<u>1141</u>	27	<u>1149</u>
12	<u>1139</u>	28	<u>1153</u>
13	<u>1137</u>	29	<u>1152</u>
14	<u>1137</u>	30	<u>1148</u>
15	<u>1136</u>	31	<u>N/A</u>
16	<u>1135</u>		



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328

Unit Two

DATE 12-6-89

COMPLETED BY T. J. Hollomon

TELEPHONE (615) 843-7528

MONTH NOVEMBER 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>659</u>	17	<u>815</u>
2	<u>853</u>	18	<u>953</u>
3	<u>862</u>	19	<u>963</u>
4	<u>691</u>	20	<u>965</u>
5	<u>689</u>	21	<u>970</u>
6	<u>865</u>	22	<u>951</u>
7	<u>814</u>	23	<u>963</u>
8	<u>215</u>	24	<u>962</u>
9	<u>- 16</u>	25	<u>964</u>
10	<u>- 19</u>	26	<u>967</u>
11	<u>- 16</u>	27	<u>969</u>
12	<u>- 19</u>	28	<u>969</u>
13	<u>- 19</u>	29	<u>1004</u>
14	<u>- 16</u>	30	<u>1102</u>
15	<u>4</u>	31	<u>N/A</u>
16	<u>233</u>		

OPERATING DATA REPORT

DOCKET NO. 50-327  
 DATE 12-6-89  
 COMPLETED BY T. J. Holloman  
 TELEPHONE (615) 843-7528

OPERATING STATUS

	!Notes	!
1. Unit Name: <u>Sequoyah Unit One</u>	!	!
2. Reporting Period: <u>November 1989</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>720</u>	<u>8,016</u>	<u>73,801</u>
12. Number of Hours Reactor Was Critical	<u>720</u>	<u>7,967</u>	<u>37,792</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>7,941.7</u>	<u>32,005.5</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,450,853</u>	<u>26,746,733</u>	<u>104,323,670</u>
17. Gross Electrical Energy Generated (MWH)	<u>849,360</u>	<u>9,187,980</u>	<u>35,323,256</u>
18. Net Electrical Energy Generated (MWH)	<u>820,451</u>	<u>8,875,504</u>	<u>33,796,932</u>
19. Unit Service Factor	<u>100.0</u>	<u>99.1</u>	<u>43.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>99.1</u>	<u>43.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.3</u>	<u>96.4</u>	<u>39.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.3</u>	<u>96.4</u>	<u>39.9</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.9</u>	<u>49.8</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 12-6-89  
 COMPLETED BY T. J. Hollomon  
 TELEPHONE (615) 843-7528

OPERATING STATUS

	!Notes	!
1. Unit Name: <u>Sequoyah Unit Two</u>	!	!
2. Reporting Period: <u>November 1989</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>720</u>	<u>8,016</u>	<u>65,761</u>
12. Number of Hours Reactor Was Critical	<u>597</u>	<u>5,600</u>	<u>32,786</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>555.0</u>	<u>5,360.5</u>	<u>31,951.8</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,474,580</u>	<u>16,295,219</u>	<u>98,019,317</u>
17. Gross Electrical Energy Generated (MWH)	<u>490,760</u>	<u>5,513,496</u>	<u>33,202,216</u>
18. Net Electrical Energy Generated (MWH)	<u>466,772</u>	<u>5,270,258</u>	<u>31,661,354</u>
19. Unit Service Factor	<u>77.1</u>	<u>66.9</u>	<u>48.6</u>
20. Unit Availability Factor	<u>77.1</u>	<u>66.9</u>	<u>48.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>56.5</u>	<u>57.3</u>	<u>41.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>56.5</u>	<u>57.3</u>	<u>41.9</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>7.1</u>	<u>45.6</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>An ice condenser outage is scheduled in March 1990, with duration of 9 days.</u>			

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



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: November 1989

DOCKET NO: 50-327  
 UNIT NAME: One  
 DATE: 12/6/89  
 COMPLETED BY: T. J. Hollimon  
 TELEPHONE: (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 activities for November 1989.

<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: November 1989

DOCKET NO: 50-328  
 UNIT NAME: Two  
 DATE: 12/6/89  
 COMPLETED BY: T. J. Holloman

TELEPHONE: (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
13	891027	S		F	4				Maintain reduced power of 75 percent for core life extension.
14	891108	S	164.96	B	1				Unit taken offline at 2349 (EST) for work on reactor head-vent valves. Unit tied online at 2047 (EST) on 11/15/89.
15	891117	S		F	5				Reactor power increased to 85 percent after maintenance outage. Maintained 85 percent until 11/29/89, when power level was increased to 100 percent to meet load demands.

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

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