



Tennessee Valley Authority Post Office Box 2000, Soddy-Daisy, Tennessee 37375

February 9, 1995

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

Gentlemen:

In the Matter of)	Docket Nos. 50-327
Tennessee Valley Authority)	50-328

SEQUOYAH NUCLEAR PLANT (SQN) - JANUARY 1995 MONTHLY OPERATING REPORT

Enclosed is the January 1995 Monthly Operating Report as required by SQN Technical Specification 6.9.1.10.

If you have any questions concerning this matter, please call
J. W. Proffitt at (615) 843-6651.

Sincerely,

R. H. Shell

R. H. Shell
Manager
SQN Site Licensing

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission
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February 9, 1995

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TENNESSEE VALLEY AUTHORITY

SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT

TO THE

NUCLEAR REGULATORY COMMISSION

JANUARY 1995

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY
JANUARY 1995

UNIT 1

Unit 1 generated 884,860 megawatthours (MWh) (gross) electrical power during January with a capacity factor of 103 percent. Unit 1 operated at near 100 percent power throughout the month of January.

UNIT 2

Unit 2 generated 752,983 megawatthours (MWh) (gross) electrical power during January with a capacity factor of 88.3 percent.

On January 5 at 0015 Eastern standard time (EST), with Unit 2 operating at 100 percent reactor power, an automatic turbine trip and subsequent reactor trip occurred. The signal was generated by the gas-operated relay on the C-phase main bank transformer. Operation of the gas-operated relay resulted when the control room operator attempted to remove the lens cover of a cooling group indication light that was not lit following receiving an alarm regarding the cooler group operation. When the lens cover was rotated, the control power for the main bank transformer cooler group shorted, resulting in the cycling of the pumps in both cooler groups. This resulted in a pressure surge in the transformer cooling oil which operated the gas operated relay. Subsequent to the trip, Unit 2 entered Mode 3.

The Unit 2 reactor was taken critical again on January 5 at 2235 EST and was tied online on January 6 at 0956 EST. Unit 2 was again operating at 100 percent reactor power on January 8 at 2320 EST.

Unit 2 was manually removed from the grid on January 13 at 2113 EST as a result of a hot spot on the A-phase main transformer. The reactor power was maintained at approximately 28 percent while maintenance was performed. Unit 2 was tied online on January 15 at 0102 EST and reached 100 percent reactor power at 2130 EST that same day.

Unit 2 operated at near 100 percent reactor power through the remainder of January.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT No. One DATE: 02-02-95
 COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528
 MONTH: JANUARY 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1154</u>	17	<u>1153</u>
2	<u>1154</u>	18	<u>1148</u>
3	<u>1154</u>	19	<u>1151</u>
4	<u>1151</u>	20	<u>1151</u>
5	<u>1152</u>	21	<u>1152</u>
6	<u>1154</u>	22	<u>1154</u>
7	<u>1158</u>	23	<u>1147</u>
8	<u>1157</u>	24	<u>1149</u>
9	<u>1151</u>	25	<u>1150</u>
10	<u>1156</u>	26	<u>1152</u>
11	<u>1157</u>	27	<u>1152</u>
12	<u>1152</u>	28	<u>1148</u>
13	<u>1153</u>	29	<u>1152</u>
14	<u>1152</u>	30	<u>1150</u>
15	<u>1156</u>	31	<u>1149</u>
16	<u>1152</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT No. Two DATE: 02-02-95
 COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528
 MONTH: JANUARY 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1143</u>	17	<u>1146</u>
2	<u>1146</u>	18	<u>1142</u>
3	<u>1143</u>	19	<u>1142</u>
4	<u>1141</u>	20	<u>1144</u>
5	<u>-22</u>	21	<u>1144</u>
6	<u>125</u>	22	<u>1144</u>
7	<u>282</u>	23	<u>1144</u>
8	<u>795</u>	24	<u>1142</u>
9	<u>1139</u>	25	<u>1143</u>
10	<u>1142</u>	26	<u>1142</u>
11	<u>1139</u>	27	<u>1144</u>
12	<u>1139</u>	28	<u>1143</u>
13	<u>849</u>	29	<u>1142</u>
14	<u>-37</u>	30	<u>1142</u>
15	<u>652</u>	31	<u>1143</u>
16	<u>1139</u>		

OPERATING DATA REPORT

DOCKET NO. 50-327
DATE 02/02/95
COMPLETED BY T. J. Hollomon
TELEPHONE (615) 843-7528

OPERATING STATUS

1. Unit Name: Sequoyah Unit One
2. Reporting Period: January 1995
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): 1151.0
7. Maximum Dependable Capacity (Net MWe): 1111.0
8. If Changes Occur in Capacity Ratings (Item Numbers 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	744	744	119,113
12. Number of Hours Reactor Was Critical	744.0	744.0	62,794
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	744.0	744.0	61,348.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,533,903.4	2,533,903.4	200,109,900
17. Gross Electrical Energy Generated (MWH)	884,860	884,860	67,935,744
18. Net Electrical Energy Generated (MWH)	857,686	857,686	65,121,099
19. Unit Service Factor	100.0	100.0	51.5
20. Unit Availability Factor	100.0	100.0	51.5
21. Unit Capacity Factor (Using MDC Net)	103.8	103.8	49.2
22. Unit Capacity Factor (Using DER Net)	100.4	100.4	47.6
23. Unit Forced Outage Rate	0.0	0.0	36.4
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: _____

OPERATING DATA REPORT

DOCKET NO. 50-328
DATE 02/02/95
COMPLETED BY T. J. Hollomon
TELEPHONE (615) 843-7528

OPERATING STATUS

1. Unit Name: Sequoia Unit Two
2. Reporting Period: January 1995
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): 1146.0
7. Maximum Dependable Capacity (Net MWe): 1106.0
8. If Changes Occur in Capacity Ratings (Item Numbers 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>744</u>	<u>744</u>	<u>111,073</u>
12. Number of Hours Reactor Was Critical	<u>721.7</u>	<u>721.7</u>	<u>65,078</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>682.7</u>	<u>682.7</u>	<u>63,392.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,198,286.6</u>	<u>2,198,286.6</u>	<u>199,725,749</u>
17. Gross Electrical Energy Generated (MWH)	<u>752,903</u>	<u>752,983</u>	<u>67,760,592</u>
18. Net Electrical Energy Generated (MWH)	<u>723,807</u>	<u>723,807</u>	<u>64,837,989</u>
19. Unit Service Factor	<u>91.8</u>	<u>91.8</u>	<u>57.1</u>
20. Unit Availability Factor	<u>91.8</u>	<u>91.8</u>	<u>57.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>88.0</u>	<u>88.0</u>	<u>52.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>84.7</u>	<u>84.7</u>	<u>50.8</u>
23. Unit Forced Outage Rate	<u>3.2</u>	<u>3.2</u>	<u>34.9</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: _____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-327

UNIT NAME: One

DATE: 02/02/95

COMPLETED BY: T. J. Hollomon

TELEPHONE: (615) 843-7528

REPORT MONTH: January 1995

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
									There were no outages or power reductions of greater than 20 percent to report in January.

¹F: Forced
S: Scheduled²Reason:

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-1022)

⁵Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: January 1995DOCKET NO: 50-328UNIT NAME: TwoDATE: 02/02/95COMPLETED 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
1	950105	F	33.7	A	3	328/95001	IU	IL	On January 5 at 0015 EST, with Unit 2 operating at 100 percent reactor power, an automatic turbine and reactor trip occurred. The gas relay tripped the main transformer, resulting in subsequent turbine and reactor trips. The cause of this event was a failure to design the light socket installation with an adequate barrier to prevent an electrical short from occurring. The electrical short resulted in the cycling of the transformer cooler group pumps and the actuation of the gas-operated relay. The Unit 2 and common control room panel lamp sockets were inspected to ensure that they were properly installed. Eight deficiencies were identified and corrected. A preventive maintenance instruction will be developed to periodically check the tightness of control room light sockets. The Unit 1 control room sockets will be checked during the next refueling outage.

¹ F: 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
G-Operational Error (Explain)
H-Other (Explain)

³ Method:
1-Manual
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⁴ Exhibit G-Instructions
for Preparation of Data
Entry sheets for Licensee
Event Report (LER) File
(NUREG-1022)

⁵ Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: January 1995
 DOCKET NO: 50-328
 UNIT NAME: Two
 DATE: 02/02/95
 COMPLETED BY: T. J. Holloman
 TELEPHONE: (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	950113	F	27.6	B	5	N/A	N/A	N/A	Unit 2 was removed from the grid on January 13 at 2113 EST as a result of a hot spot on the A-phase bus bushing connection. The A-phase transformer was removed from service, and the spare transformer was placed in service. The bushing will be repaired or replaced as appropriate.

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

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 for Preparation of Data
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