



Tennessee Valley Authority, Post Office Box 2000, Soddy Daisy, Tennessee 37379

May 12, 1995

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

Gentlemen:

In the Matter of)
Tennessee Valley Authority)

Docket Nos. 50-327
50-328

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

Enclosed is the April 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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May 12, 1995

cc (Enclosure):

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TENNESSEE VALLEY AUTHORITY

SEQUOYAH NUCLEAR PLANT

MONTHLY OPERATING REPORT

TO THE

NUCLEAR REGULATORY COMMISSION

APRIL 1995

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY
APRIL 1995

UNIT 1

Unit 1 generated 850,300 megawatthours (MWh) (gross) electrical power during April with a capacity factor of 102.7 percent. Unit 1 operated at near 100 percent power during April.

UNIT 2

Unit 2 generated 232,890 megawatthours (MWh) (gross) electrical power during April with a capacity factor of 28.3 percent. On March 8, 1995, Unit 2 experienced a leak on the 6B extraction steam line inside the condenser. The leak caused the pressure in the 6B feedwater heater to drop 20 percent. On April 3, the 6B level control valve was noted to be near full open, and a "roar" in the "B" condenser was discovered. This was an indication that the leak size had increased. A subsequent water hammer occurred on the 4B drain to the 5B heater, resulting in a valve body failure. The unit was taken off-line. An inspection of the "B" condenser identified that four of the six No. 5 extraction bellows, both No. 6 extraction bellows, and one No. 7 extraction bellows were damaged. A similar extent of condition was identified on the "A" and "C" condensers when they were inspected.

After repairs were completed, Unit 2 was taken critical on April 23 at 0245 EDT and was tied to the grid on April 24 at 1153 EDT. Unit 2 was operating at 99 percent on April 27 at 2113 EDT.

On April 28, 1995, at 2031 EDT, an automatic turbine and subsequent reactor trip was generated by the main generator neutral overvoltage relay. The cause of the trip has been attributed to a bus duct gasket that came loose and came in contact with the energized electrical bus leading from the main generator to the C phase, designated spare, main transformer. The gasket provided a path for electrical leakage to ground that was sensed by the main generator neutral overvoltage relays terminating electrical generation.

Unit 2 was taken critical on April 30 at 1459 EDT and was at approximately 14 percent reactor power at the end of the month. The Unit 2 generator remained off-line at the end of April.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT No. One DATE: 05-04-95
 COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528
 MONTH: APRIL 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1149</u>	17	<u>1141</u>
2	<u>1150</u>	18	<u>1140</u>
3	<u>1143</u>	19	<u>1139</u>
4	<u>1145</u>	20	<u>1147</u>
5	<u>1146</u>	21	<u>1145</u>
6	<u>1147</u>	22	<u>1134</u>
7	<u>1146</u>	23	<u>1147</u>
8	<u>1144</u>	24	<u>1143</u>
9	<u>1144</u>	25	<u>1146</u>
10	<u>1147</u>	26	<u>1146</u>
11	<u>1144</u>	27	<u>1146</u>
12	<u>1141</u>	28	<u>1146</u>
13	<u>1143</u>	29	<u>1144</u>
14	<u>1140</u>	30	<u>1146</u>
15	<u>1142</u>	31	<u>N/A</u>
16	<u>1140</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT No. Two DATE: 05-04-95
 COMPLETED BY: T. J. Hollomon TELEPHONE: (615) 843-7528
 MONTH: APRIL 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1120</u>	17	<u>-7</u>
2	<u>1112</u>	18	<u>-9</u>
3	<u>1121</u>	19	<u>-12</u>
4	<u>1114</u>	20	<u>-33</u>
5	<u>1087</u>	21	<u>-35</u>
6	<u>54</u>	22	<u>-35</u>
7	<u>-35</u>	23	<u>-37</u>
8	<u>-2</u>	24	<u>68</u>
9	<u>-2</u>	25	<u>367</u>
10	<u>-2</u>	26	<u>944</u>
11	<u>-2</u>	27	<u>1018</u>
12	<u>-7</u>	28	<u>948</u>
13	<u>-2</u>	29	<u>-35</u>
14	<u>-7</u>	30	<u>-35</u>
15	<u>-2</u>	31	<u>N/A</u>
16	<u>-5</u>		

OPERATING DATA REPORT

DOCKET NO. 50-327
 DATE 05/04/95
 COMPLETED BY T. J. Holloman
 TELEPHONE (615) 843-7528

OPERATING STATUS

1. Unit Name: Sequoyah Unit One
2. Reporting Period: April 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	<u>719</u>	<u>2,879</u>	<u>121,248</u>
12. Number of Hours Reactor Was Critical	<u>719.0</u>	<u>2,682.6</u>	<u>64,732</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>719.0</u>	<u>2,668.2</u>	<u>63,272.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,449,344.6</u>	<u>8,882,142.2</u>	<u>206,458,139</u>
17. Gross Electrical Energy Generated (MWH)	<u>850,300</u>	<u>3,093,260</u>	<u>70,144,144</u>
18. Net Electrical Energy Generated (MWH)	<u>822,665</u>	<u>2,988,150</u>	<u>67,251,563</u>
19. Unit Service Factor	<u>100.0</u>	<u>92.7</u>	<u>52.2</u>
20. Unit Availability Factor	<u>100.0</u>	<u>92.7</u>	<u>52.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>103.0</u>	<u>93.4</u>	<u>49.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.7</u>	<u>90.4</u>	<u>48.3</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>7.3</u>	<u>35.8</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
The Unit 1 Cycle 7 refueling outage is scheduled to begin September 9, 1995, with a duration of 53 days.

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

OPERATING DATA REPORT

DOCKET NO. 50-328
 DATE 05/04/95
 COMPLETED BY T. J. Hollomon
 TELEPHONE (615) 843-7528

OPERATING STATUS

1. Unit Name: Sequoyah Unit Two
2. Reporting Period: April 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>719</u>	<u>2,879</u>	<u>113,208</u>
12. Number of Hours Reactor Was Critical	<u>272.0</u>	<u>2,409.7</u>	<u>66,766</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>229.2</u>	<u>2,327.9</u>	<u>65037.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>675,051.7</u>	<u>7,649,789.0</u>	<u>205,177,252</u>
17. Gross Electrical Energy Generated (MWH)	<u>232,890</u>	<u>2,631,293</u>	<u>69,638,902</u>
18. Net Electrical Energy Generated (MWH)	<u>215,250</u>	<u>2,529,289</u>	<u>66,643,471</u>
19. Unit Service Factor	<u>31.9</u>	<u>80.9</u>	<u>57.4</u>
20. Unit Availability Factor	<u>31.9</u>	<u>80.9</u>	<u>57.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>27.1</u>	<u>79.4</u>	<u>53.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>26.1</u>	<u>76.5</u>	<u>51.3</u>
23. Unit Forced Outage Rate	<u>68.1</u>	<u>19.1</u>	<u>34.7</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: The generator was tied on-line on May 1, 1995.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: April 1995DOCKET NO: 50-327UNIT NAME: OneDATE: 05/04/95COMPLETED 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
									There were no outages or power reductions of greater than 20 percent to report during April.

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 Automatic 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: April 1995
 DOCKET NO: 50-328
 UNIT NAME: Two
 DATE: 05/04/95
 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
3	950406	F	438.35	B/A	1	N/A	BLL	SG	On March 8, Unit 2 experienced a leak on the 6B extraction. On April 3, the 6B level control valve was noted to be near full open, and a "roar" in the "B" condenser was discovered. This was an indication that the leak size increased. A subsequent water hammer occurred on the 4B drain to the 5B heater, resulting in a valve body failure. The unit was taken off-line. Several extraction bellows were determined to be damaged in each of the three condensers. The cause of the bellows damage was determined to be cycle fatigue. The bellows and valve were replaced. The unit was returned to power operation.
4	950428	F	51.48	A	3	50-328/95002	N/A	FK	On April 28, at 2031 EDT with Unit 2 operating at 99 percent power, an automatic turbine and subsequent reactor trip was generated by the main generator neutral overvoltage relay. The cause of the trip has been attributed to a bus duct gasket that came loose and came in contact with the energized electrical bus leading from the main generator to the C phase, designated spare, main transformer. The gasket provided a path for electrical leakage to ground that was sensed by the relays terminating electrical generation.

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 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-1022)

⁵Exhibit I—Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: April 1995DOCKET NO: 50-328UNIT NAME: TwoDATE: 05/04/95COMPLETED 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
4	950428	F	51.48	A	3	50-328/95002	N/A	FK	(continued) The gasket was repaired. The preventive maintenance instructions will be revised to provide clear inspection criteria for the gaskets. The unit was taken critical on April 30 at 1459 EDT, entered Mode 1 at 1928 EDT, and was at approximately 14 percent reactor power at the end of the month. Unit 2 remained off-line at the end of April.

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
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