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Masoud Bajestani
Site Vice President
Sequoyah Nuclear Plant

June 15, 1998

U.S. Nuclear Regulatory Commission
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Gentlemen:

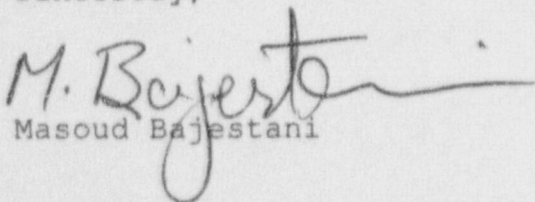
In the Matter of	)	Docket Nos.	50-327
Tennessee Valley Authority	)		50-328

**SEQUOYAH NUCLEAR PLANT (SQN) - MAY 1998 MONTHLY OPERATING
REPORT**

The enclosure provides the May 1998 Monthly Operating Report
as required by SQN Technical Specifications Section 6.9.1.10.

If you have any questions concerning this matter, please call
me at (423) 843-7001 or Pedro Salas at (423) 843-7170.

Sincerely,


Masoud Bajestani

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission

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June 15, 1998

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
SEQUOYAH NUCLEAR PLANT (SQN)

MONTHLY OPERATING REPORT

MAY 1998

UNIT 1

DOCKET NUMBER 50-327

LICENSE NUMBER DPR-77

UNIT 2

DOCKET NUMBER 50-328

LICENSE NUMBER DPR-79

OPERATIONAL SUMMARY

MAY 1998

I. SEQUOYAH OPERATIONAL SUMMARY

UNIT 1

Unit 1 generated 810,814 megawatthours (MWh) (gross) electrical power during May with a capacity factor of 93.87 percent.

On May 19, 1998 at 1043 EDT, with Unit 1 operating at 100 percent reactor power, during the performance of a relay functional test for 480V shutdown board 1A1-A, Unit 1 tripped on a low-low steam generator (SG) water level. The root cause was failure of C Phase of the alternate feeder breaker to properly close resulting in arcing, which caused Vital Inverter 1-I to malfunction and clear the inverter bridge fuses. This resulted in loss of power to Vital Board 1-I, which caused a loss of feedwater to all four SGs. The 480V shutdown board was inspected and no damage was identified. The normal feeder breaker was placed in service and Unit 1 reactor was returned to operation.

Unit 1 was operating at 100 percent power at the end of May.

UNIT 2

Unit 2 generated 874,685 MWh (gross) electrical power during May with a capacity factor of 101.7 percent. There were no outages or power reductions of greater than 20 percent in the average daily power level during May. Unit 2 was operating at 100 percent power at the end of May.

II. CHALLENGES TO THE PRESSURIZER POWER OPERATED RELIEF VALVES (PORVs) OR PRESSURIZER SAFETY VALVES

During the Unit 1 trip on May 19, 1998, a loss of instrument power resulted in a letdown isolation. As a result, pressurizer level and pressure increased until the PORVs opened. Operator action restored pressurizer level and pressure and the plant reached a stable condition. The Unit 1 safety valves were not challenged. There were no Unit 2 PORV or safety valve challenges in May.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-327 UNIT NO. One DATE: June 8, 1998

COMPLETED BY: Tanya J. Hollomon TELEPHONE (423) 843-7528

MONTH MAY 1998

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1145	17.	1145
2.	1149	18.	1147
3.	1149	19.	493
4.	1152	20.	0
5.	1150	21.	236
6.	1149	22.	1044
7.	1149	23.	1139
8.	1149	24.	1138
9.	1150	25.	1140
10.	1152	26.	1137
11.	1150	27.	1142
12.	1150	28.	1138
13.	1149	29.	1141
14.	1148	30.	1139
15.	1147	31.	1141
16.	1147		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-328 UNIT NO. Two DATE: June 8, 1998

COMPLETED BY: Tanya J. Hollomon TELEPHONE (423)843-7528

MONTH MAY 1998

AVERAGE DAILY POWER LEVEL (MWe-Net)		AVERAGE DAILY POWER LEVEL (MWe-Net)	
DAY		DAY	
1.	<u>1144</u>	17.	<u>1142</u>
2.	<u>1144</u>	18.	<u>1145</u>
3.	<u>1143</u>	19.	<u>1145</u>
4.	<u>1144</u>	20.	<u>1144</u>
5.	<u>1147</u>	21.	<u>1143</u>
6.	<u>1146</u>	22.	<u>1140</u>
7.	<u>1145</u>	23.	<u>1139</u>
8.	<u>1145</u>	24.	<u>1138</u>
9.	<u>1137</u>	25.	<u>1138</u>
10.	<u>1140</u>	26.	<u>1138</u>
11.	<u>1146</u>	27.	<u>1138</u>
12.	<u>1143</u>	28.	<u>1138</u>
13.	<u>1145</u>	29.	<u>1137</u>
14.	<u>1145</u>	30.	<u>1134</u>
15.	<u>1146</u>	31.	<u>1139</u>
16.	<u>1143</u>		

OPERATING DATA REPORT

Docket No.	50-327
Date:	June 8, 1998
Completed By:	Tanya J. Hollomon
Telephone:	(423)843-7528

1. Unit Name:	SQL Unit 1
2. Reporting Period:	May 1998
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):	1161
7. Maximum Dependable Capacity (Net MWe):	1122

8. If changes Occur in Capacity Rating (Item Numbers 3 & 7) Since Last Report, Give Reasons:

9. Power Level To Which Restricted, If any (net MWe):

10. Reasons for Restrictions, If any:

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744	3,623	148,296
12. Number of Hours Reactor was Critical	712.3	3,591.3	88,447
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	697.8	3,576.8	86,636.4
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWh)	2,346,492.1	12,157,559.7	283,401,555
17. Gross Electric Energy Generated (MWh)	810,814	4,233,166	96,634,293
18. Net Electrical Energy Generated (MWh)	783,430	4,100,670	92,800,567
19. Unit Service Factor	93.8	98.7	58.4
20. Unit Availability Factor	93.8	98.7	58.4
21. Unit Capacity Factor (Using MDC Net)	93.9	100.9	55.8
22. Unit Capacity Factor (Using DER Net)	91.7	98.6	54.5
23. Unit Forced Outage Rate	6.2	1.3	29.2

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **Unit 1 Cycle 9 refueling outage is scheduled for September 9, 1998, with a duration of 40 days.**

25. If Shutdown at End of Report Period, Estimate Date of Startup. **N/A**

OPERATING DATA REPORT

Docket No.	50-328
Date:	June 8, 1998
Completed By:	Tanya J. Hollomon
Telephone:	(423)843-7528

1. Unit Name:	SQN Unit 2
2. Reporting Period:	May 1998
3. Licensed Thermal Power (MWt):	3411.0
4. Nameplate Rating (Gross Mwe):	1220.6
5. Design Electrical Rating (Net Mwe):	1148
6. Maximum Dependable Capacity (Gross MWe):	1156
7. Maximum Dependable Capacity (Net MWe):	1117

8. If changes Occur in Capacity Rating (Item Numbers 3 & 7) Since Last Report, Give Reasons:

9. Power Level To Which Restricted, If any (net MWe):

10. Reasons for Restrictions, If any:

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744	3,623	140,256
12. Number of Hours Reactor Was Critical	744.0	3,623.0	91,278
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	744.0	3,623.0	89,297.5
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWh)	2,534,445.6	12,347,816.7	286,325,153
17. Gross Electric Energy Generated (MWh)	874,685	4,280,729	97,506,093
18. Net Electrical Energy Generated (MWh)	848,813	4,155,233	93,560,595
19. Unit Service Factor	109.0	100.0	63.7
20. Unit Availability Factor	100.0	100.0	63.7
21. Unit Capacity Factor (Using MDC Net)	102.1	102.7	59.7
22. Unit Capacity Factor (Using DER Net)	99.4	99.9	58.1
23. Unit Forced Outage Rate	0	0	28.4

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A

25. If Shutdown at End of Report Period, Estimate Date of Startup. N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH Error! Reference source not found.

DOCKET NO: 50-327

UNIT NAME: SQN-1

DATE: June 8, 1998

COMPLETED BY: Tanya J. Hollomon

TELEPHONE: (423)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	980519	F	46.2	A	3	50-327/1998001	EA	BKR	On May 19, 1998 at 1043 EDT, Unit 1 reactor automatically tripped as the result of the failure of C Phase of the 480V shutdown board 1A1-A alternate feeder breaker. The breaker failed to properly close resulting in arcing, which caused Vital Inverter 1-I to malfunction and blow the inverter bridge fuses. This resulted in a loss of power to Vital Board 1-I, which caused a loss of feedwater to all four steam generators. The 480V shutdown board was inspected and no damage was identified. The normal feeder breaker was placed in service and Unit 1 reactor was returned to operation on May 21, 1998.

¹ F: Force

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

⁴ Exhibit G - Instructions for (NUREG

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: Error! Reference source not found.

DOCKET NO: 50-328
UNIT NAME: SQN-2
DATE: June 8, 1998
COMPLETED BY: Tanya J. Hollomon
TELEPHONE: (423)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 in the average daily power level during the month.

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

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

⁵ Exhibit I-Same Source