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U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Attention: Director, Office of Resource Management

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION  
DOCKET NO. 50/395  
OPERATING LICENSE NO. NPF-12  
SEPTEMBER MONTHLY OPERATING REPORT

Enclosed is the September 2001 Monthly Operating Report for the Virgil C. Summer Nuclear Station Unit No. 1. This submittal is made in accordance with the requirements of Technical Specifications, Section 6.9.1.10.

If there are any questions, please call me at your convenience.

Very truly yours,

Stephen A. Byrne

SAB/nkk  
Attachment

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File (818.03-1, RR 4100)  
DMS (RC-01-0181)

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ATTACHMENT I  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	10/02/2001
COMPLETED BY	W. H. BELL
TELEPHONE	(803) 345-4389

SEPTEMBER 2001

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	967	17.	993
2.	969	18.	952
3.	969	19.	973
4.	880	20.	973
5.	862	21.	973
6.	965	22.	973
7.	969	23.	973
8.	970	24.	973
9.	970	25.	973
10.	970	26.	973
11.	969	27.	973
12.	970	28.	974
13.	970	29.	974
14.	971	30.	975
15.	972		
16.	971		

## ATTACHMENT II OPERATING DATA REPORT

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	10/02/2001
COMPLETED BY	W. H. BELL
TELEPHONE	(803) 345-4389

### OPERATING STATUS

1. Reporting Period:	September 2001
Gross Hours in Reporting Period:	720
2. Currently Authorized Power Level (MWt):	2900
Max. Depend. Capacity (MWe-Net):	966
Design Electrical Rating (MWe-Net):	972.7
3. Power Level to Which Restricted (If Any) (MWe-Net):	N/A
4. Reasons for Restrictions:	N/A

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. Number of Hours Reactor Critical	720.0	5086.4	129240.3
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator on Line	720.0	4950.4	127415.4
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	2073195	14015417	342499303
10. Gross Electrical Energy (MWH)	722810	4875130	115307429
11. Net Electrical Energy Generated (MWH)	694465	4677448	110115958
12. Reactor Service Factor	100.0	77.6	83.1
13. Reactor Availability Factor	100.0	77.6	83.1
14. Unit Service Factor	100.0	75.6	81.9
15. Unit Availability Factor	100.0	75.6	81.9
16. Unit Capacity Factor (Using MDC)	99.8	73.9	78.3
17. Unit Capacity Factor (Design MWe)	99.2	73.4	77.2
18. Unit Forced Outage Rate	0.0	1.3	3.3
19. Shutdowns Scheduled Over Next 6 Months (Type, Date & Duration of Each):	N/A		
20. If Shut Down at End of Report Period, Estimated Date of Startup:	N/A		
21. Units in Test Status (Prior to Commercial Operation):	N/A		

ATTACHMENT III  
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.	50/395
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SEPTEMBER 2001

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
N/A						

1.0 REASON

- A: Equipment Failure
- B: Maintenance or Test
- C: Refueling
- D: Regulatory Restriction
- E: Operator Training and License Examination
- F: Administrative
- G: Operational Error
- H: Other (Explain)

2.0 METHOD

- 1: Manual
- 2: Manual Scram
- 3: Automatic Scram
- 4: Continuation (Use initial Date)
- 5: Power Reduction (Duration 0.0)
- 9: Other (Explain)

ATTACHMENT IV  
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

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SEPTEMBER 2001

On September 4<sup>th</sup> at 04:45 reactor power was reduced to 90% to support maintenance on the A Main Feedwater Pump keep warm line. This line had developed a steam leak which required the pump to be shut down. On September 5<sup>th</sup> at 23:15 repairs were complete and the load increase to full power began. The plant was restored to 100% power on September 6<sup>th</sup> at 01:10 where it remained for the rest of the month.