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May 7, 2002

Document Control Desk  
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  
APRIL MONTHLY OPERATING REPORT

Enclosed is the April 2002 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/mbb  
Attachment

c: G. H. Halnon  
T. G. Eppink (w/o Attachment)  
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File (818.03-1, RR 4100)  
DMS (RC-02-0084)

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ATTACHMENT I  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395  
UNIT V. C. SUMMER I  
DATE 05/01/2002  
COMPLETED BY W. H. BELL  
TELEPHONE (803) 345-4389

APRIL 2002

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	979	16	978
2	980	17	974
3	979	18	829
4	978	19	783
5	978	20	1
6	978	21	0
7	978	22	0
8	980	23	0
9	979	24	0
10	978	25	0
11	978	26	0
12	978	27	0
13	978	28	0
14	979	29	0
15	979	30	0

ATTACHMENT II  
 OPERATING DATA REPORT

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	05/01/2002
COMPLETED BY	W. H. BELL
TELEPHONE	(803) 345-4389

OPERATING STATUS

- |  |            |
|--|------------|
| 1. Reporting Period:                                   | April 2002 |
| Gross Hours in Reporting Period:                       | 719        |
| 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	458.6	2618.6	134067.9
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator on Line	456.2	2616.2	132240.6
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	1297113	7553032	356439441
10. Gross Electrical Energy (MWH)	453830	2650890	120199639
11. Net Electrical Energy Generated (MWH)	436848	2552613	114823794
12. Reactor Service Factor	63.8	91.0	83.4
13. Reactor Availability Factor	63.8	91.0	83.4
14. Unit Service Factor	63.4	90.9	82.3
15. Unit Availability Factor	63.4	90.9	82.3
16. Unit Capacity Factor (Using MDC)	62.9	91.8	78.9
17. Unit Capacity Factor (Design MWe)	62.5	91.2	77.8
18. Unit Forced Outage Rate	0.0	0.0	3.2
19. Shutdowns Scheduled Over Next 6 Months (Type, Date & Duration of Each):			
13th Refueling Outage - April 20, 2002 - 33 Day Duration			
20. If Shut Down at End of Report Period, Estimated Date of Startup:			May 22, 2002
21. Units in Test Status (Prior to Commercial Operation):			N/A

ATTACHMENT III  
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50/395  
UNIT V. C. SUMMER I  
DATE 05/01/2002  
COMPLETED BY W. H. BELL  
TELEPHONE (803) 345-4389

APRIL 2002

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
N/A	04/20/2002	S	262.8	C	1	Complete Refueling

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)

SUMMARY:

ATTACHMENT IV  
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	05/01/2002
COMPLETED BY	W. H. BELL
TELEPHONE	(803) 345-4389

April 2002

At the beginning of the month the plant was operating at 100% power. Power was reduced to 85% on April 17<sup>th</sup> @ 23:55 to support main steam safety valve testing. On April 20<sup>th</sup> @ 00:12 the 13<sup>th</sup> refueling outage began with the opening of the main generator breaker. Reactor shut down was completed and mode 3 entered at 02:33 on the 20<sup>th</sup>. The plant remained shut down for the remainder of the month.