



May 15, 2000
RC-00-0237

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Attention: Director, Office of Resource Management

Gentlemen:

Stephen A. Byrne
Vice President
Nuclear Operations
803.345.4622

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

Enclosed is the April 2000 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.

South Carolina Electric & Gas Co
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Very truly yours,

Stephen A. Byrne

SAB/nkk
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ATTACHMENT II
 OPERATING DATA REPORT

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE 5/2/00
 COMPLETED BY W. H. BELL
 TELEPHONE (803) 345-4389

OPERATING STATUS

1. Reporting Period: April 2000
- 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	719.0	2903.0	120332.0
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator On Line	719.0	2903.0	118740.9
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	2043135	8317212	317910519
10. Gross Electrical Energy (MWH)	712000	2906960	106796679
11. Net Electrical Energy Generated (MWH)	684068	2796904	101951748
12. Reactor Service Factor	100.0	100.0	84.1
13. Reactor Availability Factor	100.0	100.0	84.1
14. Unit Service Factor	100.0	100.0	82.9
15. Unit Availability Factor	100.0	100.0	82.9
16. Unit Capacity Factor (Using MDC)	98.5	99.8	79.2
17. Unit Capacity Factor (Design Mwe)	97.8	99.1	78.0
18. Unit Forced Outage Rate	0.0	0.0	3.5
19. Shutdowns Scheduled Over Next 6 Months (Type, Date & Duration of Each): Refueling Outage, 36 days			
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
UNIT V. C. SUMMER I
DATE 5/ 2/00
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

APRIL 2000

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
1	414	S	0.0	B	5	REPLACEMENT OF RCS FLOW TRANSMITTE

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)

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April Monthly Operating Report
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ATTACHMENT IV
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50/395
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COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

APRIL 2000

At approximately 22:16 on 4/14/2000, a power reduction began in support of maintenance to repair a RCS Flow Transmitter. Power was reduced to approximately 34% where it remained until repairs were complete and power escalation began at 13:46 on 4/15/2000. Power was restored to 100% at 18:04 on 4/16/00 where it remained for the rest of the month.

MISCELLANEOUS OPERATING STATISTICS THRU April 2000

VIRGIL C SUMMER NUCLEAR STATION, UNIT 1

OPERATING STATUS

Currently Authorized Power Level (MWt): 2900
 Max. Depend. Capacity (MWe-Net): 966
 Design Electrical Rating (MWe-Net): 972
 Gross Maximum Capacity (MWe): 1019
 Gross Dependable Capacity (MWe): 1019

	LIFE OF PLANT	FISCAL YEAR TO DATE	12 MONTH TOTALS	3 MONTH TOTALS
Number of Hours Reactor Critical	127666.8	7320.0	8519.0	2159.0
Reactor Reserve Shutdown Hours	0.0	0.0		
Hours Generator on Line	125740.3	7320.0	8472.3	2159.0
Unit Reserve Shutdown Hours	0.0	0.0		
Gross Thermal Energy Generated (MWH)	332521054	21070303	24088528	6161556
Gross Electrical Energy (MWH)	111577189	7349230	8391630	2152810
Net Electrical Energy Generated (MWH)	106444474	7074587	8072206	2071048
Reactor Service Factor	83.4	100.0		
Reactor Availability Factor	83.4	100.0		
Unit Service Factor	82.2	100.0		
Unit Availability Factor	82.2	100.0	96.5	100.0
Unit Capacity Factor (Using MDC)	77.4	100.8	96.0	99.3
Unit Capacity Factor (Design MWe)	76.3	100.0		
Unit Forced Outage Rate	3.8	0.0	0.7	
Forced Outage Hours	4985.7	0.0	57.9	0.0
Scheduled Outage Hours	22275.0	0.0	253.8	0.0
Equipment Forced Outages:			3	0
Equivalent Unit Derated Hours*			379.00	33.50
Equivalent Seasonal Derated Hours*			21.10	0.00
Equivalent Availability Factor*			91.9	98.4
Equivalent Unit Derated Hours* for Month:	15.7			
Equivalent Seasonal Derated Hours* for Month:	0.0			
Equivalent Availability Factor* for Month:	97.8			
Equivalent Availability Factor* for 36 months:	89.9			
Year-to-Date Equivalent Availability Factor*:	98.8			
Equipment Forced Outages per 1000 Critical Hours:	0.352			
Equipment Forced Outages Year-to-Date:	0			
Total Forced Outages Year-to-Date:	0			

* Based on INPO Detailed Descriptions of Overall Performance Indicators
 and Other Indicators - December 1987

MONTH: APRIL 2000

HOURS GENERATOR ON LINE: 719

UNIT AVAILABILITY FACTOR: 100

V. C. SUMMER, UNIT 1

MONTHLY OUTAGE REPORT FOR APRIL 2000

OUTAGE !	START !	END !	HOURS !	TYPE!	REASON FOR OUTAGE !	CORRECTIVE ACTION
NO. !	TIME !	TIME !	DURATION!	!	!	!
-----!-----!-----!-----!-----!-----!-----						
NONE						

ATTACHMENT I
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 5/ 2/00
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

APRIL 2000

DAY AVERAGE DAILY POWER LEVEL

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

(MWe-Net)

1.	975
2.	975
3.	975
4.	973
5.	974
6.	974
7.	973
8.	973
9.	972
10.	973
11.	974
12.	973
13.	973
14.	968
15.	419
16.	876

17.	972
18.	973
19.	935
20.	973
21.	974
22.	974
23.	973
24.	974
25.	973
26.	973
27.	972
28.	974
29.	972
30.	973