

Director, Office of Resource Management  
April Monthly Operating Report  
May 10, 1985

ATTACHMENT I  
AVERAGE DAILY UNIT POWER LEVEL

|              |                |
|--------------|----------------|
| DOCKET NO.   | 50/395         |
| UNIT         | V. C. SUMMER I |
| DATE         | 05/10/85       |
| COMPLETED BY | G. A. Loignon  |
| TELEPHONE    | (803) 345-5209 |

MONTH APRIL 1985

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

|     |     |
|-----|-----|
| 1.  | 898 |
| 2.  | 897 |
| 3.  | 898 |
| 4.  | 842 |
| 5.  | 58  |
| 6.  | 708 |
| 7.  | 894 |
| 8.  | 895 |
| 9.  | 896 |
| 10. | 896 |
| 11. | 885 |
| 12. | 801 |
| 13. | 847 |
| 14. | 898 |
| 15. | 897 |
| 16. | 897 |

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

|     |     |
|-----|-----|
| 17. | 897 |
| 18. | 218 |
| 19. | 370 |
| 20. | 270 |
| 21. | 892 |
| 22. | 895 |
| 23. | 887 |
| 24. | 876 |
| 25. | 876 |
| 26. | 880 |
| 27. | 895 |
| 28. | 860 |
| 29. | 18  |
| 30. | -31 |
| 31. | --- |

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ATTACHMENT II  
 OPERATING DATA REPORT

DOCKET NO. 50/395  
 UNIT V. C. SUMMER I  
 DATE 05/10/85  
 COMPLETED BY G. A. Loignon  
 TELEPHONE (803) 345-5209

OPERATING STATUS

1. Reporting Period: APRIL 1985 Gross Hours in Reporting Period: 719
2. Currently Authorized Power Level (MWt): 2775  
 Max. Depend. Capacity (MWe-Net): 885  
 Design Electrical Rating (MWe-Net): 900
3. Power Level to which restricted (If Any) (MWe-Net): N/A
4. Reasons for Restrictions (If Any): N/A

|   | <u>THIS MONTH</u> | <u>YR TO DATE</u> | <u>CUMULATIVE</u> |
|---|-------------------|-------------------|-------------------|
| 5. Number of Hours Reactor Was Critical     | <u>653.0</u>      | <u>2659.2</u>     | <u>8212.6</u>     |
| 6. Reactor Reserve Shutdown Hours           | <u>0</u>          | <u>0</u>          | <u>0</u>          |
| 7. Hours Generator on Line                  | <u>636.0</u>      | <u>2,594.1</u>    | <u>7,959.8</u>    |
| 8. Unit Reserve Shutdown Hours              | <u>0</u>          | <u>0</u>          | <u>0</u>          |
| 9. Gross Thermal Energy Generated (MWH)     | <u>1,682,110</u>  | <u>6,672,337</u>  | <u>20,004,923</u> |
| 10. Gross Electrical Energy Generated (MWH) | <u>564,340</u>    | <u>2,231,680</u>  | <u>6,663,829</u>  |
| 11. Net Electrical Energy Generated (MWH)   | <u>539,009</u>    | <u>2,127,927</u>  | <u>6,320,023</u>  |
| 12. Reactor Service Factor                  | <u>90.8</u>       | <u>92.4</u>       | <u>70.4</u>       |
| 13. Reactor Availability Factor             | <u>90.8</u>       | <u>92.4</u>       | <u>70.4</u>       |
| 14. Unit Service Factor                     | <u>88.5</u>       | <u>90.1</u>       | <u>68.2</u>       |
| 15. Unit Availability Factor                | <u>88.5</u>       | <u>90.1</u>       | <u>68.2</u>       |
| 16. Unit Capacity Factor (Using MDC)        | <u>84.7</u>       | <u>83.5</u>       | <u>61.2</u>       |
| 17. Unit Capacity Factor (Using Design MWe) | <u>83.3</u>       | <u>82.1</u>       | <u>60.2</u>       |
| 18. Unit Forced Outage Rate                 | <u>5.4</u>        | <u>8.4</u>        | <u>10.0</u>       |

19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling Outage presently scheduled for October 1985.

20. If Shut Down at End of Report Period, Estimated Date of Startup: 05/08/85
21. Units in Test Status (Prior to Commercial Operation):

|                      | <u>FORECAST</u> | <u>ACHIEVED</u> |
|----------------------|-----------------|-----------------|
| Initial Criticality  | <u>N/A</u>      | <u>10-22-82</u> |
| Initial Electricity  | <u>N/A</u>      | <u>11-16-82</u> |
| Commercial Operation | <u>N/A</u>      | <u>01-01-84</u> |

ATTACHMENT III  
 UNIT SHUTDOWNS AND POWER REDUCTIONS

|              |                |
|--------------|----------------|
| DOCKET NO.   | 50/395         |
| UNIT         | V. C. SUMMER I |
| DATE         | 05/10/85       |
| COMPLETED BY | G. A. Loignon  |
| TELEPHONE    | (803) 345-5209 |

| NO. | DATE   | TYPE<br>F: FORCED<br>S: SCHEDULED | DURATION<br>(HOURS) | (1)<br>REASON | METHOD OF (2)<br>SHUTTING DOWN<br>THE REACTOR OR<br>REDUCING POWER | CORRECTIVE ACTIONS/<br>COMMENTS                              |
|-----|--------|-----------------------------------|---------------------|---------------|--|--|
| 6   | 850404 | F                                 | 17.2                | A             | 2  | 6) Repair Power Supply<br>for Secondary Side<br>Indications. |
| 7   | 850418 | F                                 | 19.3                | A             | 3  | 7) Repair Rod Control.                                       |
| 8   | 850429 | S                                 | 46.5                | A             | 3  | 8) Shutdown to Repair<br>Steam Generator Tube<br>Leak.       |

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ATTACHMENT IV  
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

On April 1, 1985, the Virgil C. Summer Nuclear Station, Unit No. 1, was operating at 100% power.

On April 4, 1985, at 2234 hours, the reactor was tripped manually from 100% power due to a loss of secondary system controls and indicators. Cause of event was power supply failure. The forced outage was 17.2 hours in duration.

On April 12, 1985, at 0155 hours, a condensate pump failed and power was reduced to 90% while repairs were made.

On April 18, 1985, at 0630 hours, the reactor tripped on negative rate from 100% power. The plant was experiencing problems with rod control prior to the trip. Repairs were made to the rod control system during the outage of 19.3 hours.

On April 29, 1985, at 0130 hours, the reactor tripped on low-low level in Steam Generator "B" while the plant was being shutdown to repair a steam generator tube leak. The cause of the trip was attributed to secondary side transients.

On April 30, 1985, the plant remained shutdown for steam generator tube leak repairs.

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SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

O. W. DIXON, JR.  
VICE PRESIDENT  
NUCLEAR OPERATIONS

May 10, 1985

Director, Office of Resource Management  
U.S. Nuclear Regulatory Commission  
MNBB 7602  
Washington, DC 20555

ATTN: Mr. Learned W. Barry

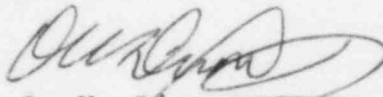
SUBJECT: Virgil C. Summer Nuclear Station  
Docket No. 50/395  
Operating License No. NPF-12  
April Monthly Operating Report

Dear Mr. Barry:

Please find enclosed the April 1985 Monthly Operating Report for the Virgil C. Summer Nuclear Station Unit No. 1. This submittal is made in accordance with the requirements of Technical Specification 6.9.1.10.

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

Very truly yours,



O. W. Dixon, Jr.

CJM:GAL:OWD/lcd  
Attachment

cc: V. C. Summer  
T. C. Nichols, Jr./O. W. Dixon, Jr.  
E. H. Crews, Jr.  
E. C. Roberts  
W. A. Williams, Jr.  
H. R. Denton  
J. Nelson Grace  
Group Managers  
D. A. Nauman  
O. S. Bradham  
C. A. Price

C. L. Ligon (NSRC)  
K. E. Nodland  
R. A. Stough  
G. Percival  
C. W. Hehl  
J. B. Knotts, Jr.  
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