

Director, Office of Resource Management  
May Monthly Operating Report  
Page 2  
June 12, 1984

ATTACHMENT I  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395  
UNIT V. C. SUMMER I  
DATE 06/08/83  
COMPLETED BY G. A. Loignon  
TELEPHONE (803) 345-5209

MONTH MAY 1984

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1.	-33
2.	-32
3.	203
4.	709
5.	125
6.	-32
7.	299
8.	833
9.	886
10.	889
11.	892
12.	890
13.	891
14.	889
15.	887
16.	886

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17.	890
18.	893
19.	892
20.	893
21.	891
22.	890
23.	894
24.	895
25.	890
26.	893
27.	897
28.	891
29.	893
30.	893
31.	894

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Director, Office of Resource Management  
 May Monthly Operating Report  
 Page 3  
 June 12, 1984

ATTACHMENT II  
 OPERATING DATA REPORT

DOCKET NO. 50/395  
 UNIT V. C. SUMMER I  
 DATE 06/08/84  
 COMPLETED BY G. A. Loignon  
 TELEPHONE (803) 345-5209

OPERATING STATUS

1. Reporting Period: MAY 1984 Gross Hours in Reporting Period: 744
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): NONE

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. Number of Hours Reactor Was Critical	<u>673.8</u>	<u>2,686.3</u>	<u>10,021.1</u>
6. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
7. Hours Generator on Line	<u>642.0</u>	<u>2,571.0</u>	<u>9,570.4</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Gross Thermal Energy Generated (MWH)	<u>1,704,230</u>	<u>6,946,245</u>	<u>21,556,780</u>
10. Gross Electrical Energy Generated (MWH)	<u>567,668</u>	<u>2,318,940</u>	<u>7,099,450</u>
11. Net Electrical Energy Generated (MWH)	<u>541,650</u>	<u>2,208,311</u>	<u>6,701,087</u>
12. Reactor Service Factor	<u>90.6</u>	<u>73.7</u>	<u>73.7</u>
13. Reactor Availability Factor	<u>90.6</u>	<u>73.7</u>	<u>73.7</u>
14. Unit Service Factor	<u>86.3</u>	<u>70.5</u>	<u>70.5</u>
15. Unit Availability Factor	<u>86.3</u>	<u>70.5</u>	<u>70.5</u>
16. Unit Capacity Factor (Using MDC)	<u>82.3</u>	<u>68.4</u>	<u>68.4</u>
17. Unit Capacity Factor (Using Design MWe)	<u>80.9</u>	<u>67.3</u>	<u>67.3</u>
18. Unit Forced Outage Rate	<u>7.9</u>	<u>10.2</u>	<u>10.2</u>

19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling, September 1984, 60 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):

	<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>

Director, Office of Resource Management  
May Monthly Operating Report  
Page 4  
June 12, 1984

ATTACHMENT II.A  
CHANGES TO ATTACHMENT II FROM PREVIOUS REPORT

The basis for the following lines have been changed to comply with current instructions; the May report contains the revised information.

Lines 10 & 11, Year to Date and Cumulative: gross and net electrical energy were recalculated based on beginning and end of month meter readings.

ATTACHMENT III  
 UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	06/08/83
COMPLETED BY	G. A. Laignon
TELEPHONE	(803) 345-5209

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	(1) REASON	METHOD OF (2) SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/ COMMENTS
5	840425	F	55.2	A	4	5) Continuation of Outage.
6	840505	S	46.8	B	1	6) Plant Shutdown to test Feedwater Regulating Valves.



Director, Office of Resource Management  
May Monthly Operating Report  
Page 6  
June 12, 1984

ATTACHMENT IV  
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

The Virgil C. Summer Nuclear Station, Unit No. 1, remained shut down for a forced outage until May 3, 1984.

On May 5, 1984, at 0605 hours, the Plant was taken off line to facilitate testing of the Feedwater Regulating Valves (FRV). The valves' stroke time had been adjusted for a maximum of five (5) seconds prior to a plant restart on May 4. Control problems experienced with the FRV's during subsequent power escalation necessitated adjustments to the pneumatic controller which affected the valve stroke time and led to the management decision on May 5 to shutdown and re-verify closure times. During a Plant outage of 46.8 hours in duration, a design modification was implemented to segregate the control and trip portions of the pneumatic system.

On May 5, 1984, at 1927 hours, with the Plant in Mode 3, a main steam isolation occurred on low-low  $T_{ave}$  coincident with high steam flow. The high steam flow signal was present since the bistables for the instrumentation channel had previously been tripped to perform maintenance on the flow transmitter. Concurrent maintenance on an automatic steam dump controller inadvertently generated a 50% demand signal to the steam dump valves which caused the low-low  $T_{ave}$  signal when Reactor Coolant System temperature decreased from 557°F to 551°F. Operations personnel promptly terminated the steam dump and re-established normal operating parameters.

On May 31, 1984, the Plant continued to operate at approximately 100% power.

2

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

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

June 12, 1984

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

ATTN: Mr. Learned W. Barry

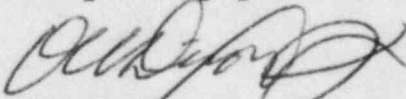
SUBJECT: Virgil C. Summer Nuclear Station  
Docket No. 50/395  
Operating License No. NPF-12  
May Monthly Operating Report

Dear Mr. Barry:

Please find enclosed the May 1984 Monthly Operating Report for the Virgil C. Summer Nuclear Station Unit No. 1 as required by Technical Specification 6.9.1.10.

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

Very truly yours,



O. W. Dixon, Jr.

HCF:GAL:OWD/dwf  
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. P. O'Reilly  
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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11