

Director, Office of Resource Management
February Monthly Operating Report
Page 2
March 14, 1984

ATTACHMENT I
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 03/14/83
COMPLETED BY G. A. Loignon
TELEPHONE (803) 345-5209

MONTH FEBRUARY 1984

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1.	894
2.	892
3.	887
4.	892
5.	891
6.	891
7.	493
8.	0
9.	0
10.	0
11.	327
12.	856
13.	895
14.	893
15.	893
16.	890

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17.	891
18.	891
19.	889
20.	888
21.	887
22.	888
23.	888
24.	888
25.	888
26.	894
27.	893
28.	892
29.	892
30.	n/a
31.	n/a

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ATTACHMENT II
OPERATING DATA REPORT

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 03/14/84
COMPLETED BY G. A. Loignon
TELEPHONE (803) 345-5209

OPERATING STATUS

1. Reporting Period: FEBRUARY 1984 Gross Hours in Reporting Period: 696
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	641.8	1376.8	9114.8
6. Reactor Reserve Shutdown Hours	0	0	0
7. Hours Generator on Line	611.4	1344.8	8343.7
8. Unit Reserve Shutdown Hours	0	0	0
9. Gross Thermal Energy Generated (MWH)	1,666,309	3,663,244	18,284,560
10. Gross Electrical Energy Generated (MWH)	554,195	1,222,545	5,991,994
11. Net Electrical Energy Generated (MWH)	531,912	1,173,800	5,692,288
12. Reactor Service Factor	92.2	95.6	95.6
13. Reactor Availability Factor	92.2	95.6	95.6
14. Unit Service Factor	87.8	93.4	93.4
15. Unit Availability Factor	87.8	93.4	93.4
16. Unit Capacity Factor (Using MDC)	86.4	92.1	92.1
17. Unit Capacity Factor (Using Design MWe)	84.9	90.6	90.6
18. Unit Forced Outage Rate	12.2	6.7	6.7

19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Spring Maintenance Outage, March 22, 1984, 29 Days.

20. If Shut Down at End of Report Period, Estimated Date of Startup: N/A
21. Units in Test Status (Prior to Commerical Operation):

	<u>FORECAST</u>	<u>ACHIEVED</u>
Initial Criticality	10-20-82	10-22-82
Initial Electricity	11-17-82	11-16-82
Commercial Operation	01-01-84	01-01-84

ATTACHMENT III
 UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	03/14/83
COMPLETED BY	G. A. Loignon
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
2	840207	F	25.4	A	3	2) Reactor trip from "B" Steam Generator Lo-Lo Level.
3	840208	F	59.2	A	1	3) Tripped Turbine because feedwater temperature decreased to below 225°F closing feedwater isolation valves.

Director, Office of Resource Management
February Monthly Operating Report
Page 5
March 14, 1984

ATTACHMENT IV
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

The Virgil C. Summer Nuclear Station, Unit No. 1, continued full power operation during the month of February 1984.

On February 7, 1984, at 1341 hours, a feedwater flow control electronic card failed and caused reduced feedwater flow to Steam Generator "B". This condition resulted in a reactor trip on low-low steam generator water level.

On February 8, 1984, at 1553 hours, power was ramped down to repair main feedwater regulating valve "B". The generator breaker was opened at 1636 hours on the same date.

On February 8, 1984, at 2227 hours, the reactor tripped on low-low water level in Steam Generator "C" during a reactor startup. Feedwater temperature dropped below 225°F and resulted in feedwater isolation as designed. This caused the steam generator low-low level condition.

On February 9, 1984, at 1255 hours, the main generator was excited to synchronize speed for turbine electrohydraulic speed controller adjustments. During the synchronization, generator frequency was at 58 Hz. Underfrequency relays activated and tripped the plant incoming power transformer OCB which de-energized the balance of plant busses as designed. Power was lost to the reactor coolant pumps and the control rod drive motor generator sets. When the shutdown and control rods began dropping into the core, a manual reactor trip was initiated. Natural circulation was effectively established. At 1319 hours, February 9, 1984, the reactor coolant pumps were restarted, and the plant was stabilized in Mode 3.

On February 10, 1984, at 0510 hours, the main turbine tripped on low oil pressure which caused a reactor trip. Following the trip, the Main Steam Isolation Valves (MSIV) were closed to limit the primary system cooldown. Subsequently while re-establishing a steam flow path, the operator inadvertently opened the MSIV instead of the MSIV bypass which resulted in a safety injection on high steamline delta pressure. The safety injection was terminated, and the plant was returned to normal condition.

On February 29, 1984, the plant was operating at approximately 100% power.

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

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

March 14, 1984

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

ATTN: Mr. Learned W. Barry

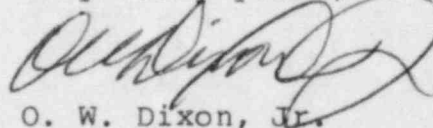
SUBJECT: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
February Monthly Operating Report

Dear Mr. Barry:

Please find enclosed the February 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/gj
Attachment

cc: V. C. Summer
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