



January 13, 2000  
RC-00-0003

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

Attention: Director, Office of Resource Management

Gentlemen:

**Gary J. Taylor**  
Vice President  
Nuclear Operations

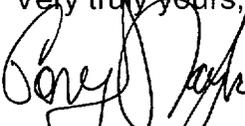
Subject: VIRGIL C. SUMMER NUCLEAR STATION  
DOCKET NO. 50/395  
OPERATING LICENSE NO. NPF-12  
DECEMBER MONTHLY OPERATING REPORT

Enclosed is the December 1999 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  
Virgil C. Summer Nuclear Station  
P. O. Box 88  
Jenkinsville, South Carolina  
29065

803.345.4344  
803.345.5209  
www.scana.com

Very truly yours,  
  
Gary J. Taylor

GJT/nkk  
Attachment

c: S. A. Byrne  
J. J. Galan (w/o Attachment)  
R. J. White  
L. A. Reyes  
K. R. Cotton  
R. M. Fowlkes  
NRC Resident Inspector  
J. B. Knotts, Jr.

Paulette Ledbetter  
INPO Records Center  
J&H Marsh & McLennan  
William G. Wendland (ANI)  
Pat Haught (Westinghouse)  
RTS (RR 4100)  
File (818.03-1)  
DMS (RC-00-0003)

**NUCLEAR EXCELLENCE - A SUMMER TRADITION!**

IE24

ATTACHMENT I  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395  
UNIT V. C. SUMMER I  
DATE 1/ 5/2000  
COMPLETED BY W. H. BELL  
TELEPHONE (803) 345-4389

DECEMBER 1999

DAY AVERAGE DAILY POWER LEVEL	DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)	(MWe-Net)
1. 975	17. 978
2. 977	18. 977
3. 978	19. 979
4. 977	20. 978
5. 979	21. 978
6. 978	22. 978
7. 977	23. 978
8. 977	24. 978
9. 977	25. 976
10. 978	26. 978
11. 975	27. 978
12. 969	28. 977
13. 978	29. 977
14. 978	30. 978
15. 978	31. 978
16. 978	

ATTACHMENT II  
 OPERATING DATA REPORT

DOCKET NO. 50/395  
 UNIT V. C. SUMMER I  
 DATE 1/ 5/2000  
 COMPLETED BY W. H. BELL  
 TELEPHONE (803) 345-4389

OPERATING STATUS

1. Reporting Period: December 1999
- Gross Hours in Reporting Period: 744
2. Currently Authorized Power Level (MWt): 2900
- Max. Depend. Capacity (MWe-Net): 954
- Design Electrical Rating (MWe-Net): 963
3. Power Level to Which Restricted (If Any) (MWe-Net): N/A
4. Reasons for Restrictions: N/A

	THIS MONTH -----	YR TO DATE -----	CUMULATIVE -----
5. Number of Hours Reactor Critical	744.0	7830.3	117429.0
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator on Line	744.0	7780.6	115837.9
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	2154906	22076040	309593307
10. Gross Electrical Energy (MWH)	753680	7664990	103889719
11. Net Electrical Energy Generated (MWH)	727070	7376304	99154844
12. Reactor Service Factor	100.0	89.4	83.7
13. Reactor Availability Factor	100.0	89.4	83.7
14. Unit Service Factor	100.0	88.8	82.6
15. Unit Availability Factor	100.0	88.8	82.6
16. Unit Capacity Factor (Using MDC)	102.4	88.2	78.7
17. Unit Capacity Factor (Design MWe)	101.5	87.4	77.5
18. Unit Forced Outage Rate	0.0	0.7	3.6
19. Shutdowns Scheduled Over Next 6 Months (Type, Date & Duration of Each): NONE			
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 1/ 5/2000  
COMPLETED BY W. H. BELL  
TELEPHONE (803) 345-4389

DECEMBER 1999

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
NONE						

- 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)

ATTACHMENT IV  
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	1/5/2000
COMPLETED BY	W. H. BELL
TELEPHONE	(803) 345-4389

DECEMBER 1999

A brief power reduction was performed starting at 22:40 on 12/11/99 to support control valve testing. Power was reduced to 90.6% and was restored to 100% at 03:30 on 12/12/99. The plant operated at 100% power at all other times during the month of December, 1999.

OPERATING STATUS

Currently Authorized Power Level (Mwt): 2900  
 Max. Depend. Capacity (MWe-Net): 954  
 Design Electrical Rating (MWe-Net): 963  
 Gross Maximum Capacity (MWe): 1001  
 Gross Dependable Capacity (MWe): 1001

	LIFE OF PLANT	FISCAL YEAR TO DATE	12 MONTH TOTALS	3 MONTH TOTALS
Number of Hours Reactor Critical	124763.8	4417.0	7830.3	2209.0
Reactor Reserve Shutdown Hours	0.0	0.0		
Hours Generator on Line	122837.3	4417.0	7780.6	2209.0
Unit Reserve Shutdown Hours	0.0	0.0		
Gross Thermal Energy Generated (MWH)	324203842	12753091	22076040	6356698
Gross Electrical Energy (MWH)	108670229	4442270	7664990	2219660
Net Electrical Energy Generated (MWH)	103647570	4277683	7376304	2138113
Reactor Service Factor	83.1	100.0		
Reactor Availability Factor	83.1	100.0		
Unit Service Factor	81.8	100.0		
Unit Availability Factor	81.8	100.0	88.8	100.0
Unit Capacity Factor (Using MDC)	76.9	102.5	88.2	101.4
Unit Capacity Factor (Design MWe)	75.8	101.5		
Unit Forced Outage Rate	3.9	0.0	0.7	
Forced Outage Hours	4985.7	0.0	57.9	0.0
Scheduled Outage Hours	22275.0	0.0	921.5	0.0
Equipment Forced Outages:			3	0
Equivalent Unit Derated Hours*			372.20	15.40
Equivalent Seasonal Derated Hours*			21.10	1.50
Equivalent Availability Factor*			84.3	99.2
Equivalent Unit Derated Hours* for Month:	0.4			
Equivalent Seasonal Derated Hours* for Month:	0.0			
Equivalent Availability Factor* for Month:	99.9			
Equivalent Availability Factor* for 36 months:	88.8			
Year-to-Date Equivalent Availability Factor*:	84.3			
Equipment Forced Outages per 1000 Critical Hours:		0.383		
Equipment Forced Outages Year-to-Date:	3			
Total Forced Outages Year-to-Date:	3			

MONTH: DECEMBER 1999

HOURS GENERATOR ON LINE: 744

UNIT AVAILABILITY FACTOR: 100

V. C. SUMMER, UNIT 1

MONTHLY OUTAGE REPORT FOR DECEMBER 1999

OUTAGE NO	START TIME	END TIME	HOURS DURATION	TYPE	REASON FOR OUTAGE	CORRECTIVE ACTION
--------------	---------------	-------------	-------------------	------	-------------------	-------------------

NONE