



January 12, 2001
RC-01-0017

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

Attention: Director, Office of Resource Management

Gentlemen:

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

Stephen A. Byrne
Vice President
Nuclear Operations
803.345.4622

Enclosed is the December 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.

Very truly yours,

Stephen A. Byrne

South Carolina Electric & Gas Co.
Virgil C. Summer Nuclear Station
P. O. Box 88
Jenkinsville, South Carolina
29065

803.345.5209
803.635.1461

SAB/nkk
Attachment

c: G. E. Williams
T. G. Eppink (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, O-L-99-0350-1)
File (818.03-1)
DMS (RC-01-0017)

NUCLEAR EXCELLENCE - A SUMMER TRADITION!

TE24

ATTACHMENT I
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 1/ 5/00
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

DECEMBER 2000

DAY AVERAGE DAILY POWER LEVEL

DAY AVERAGE DAILY POWER LEVEL

	(MWe-Net)		(MWe-Net)
1.	0	17.	0
2.	0	18.	0
3.	0	19.	0
4.	0	20.	0
5.	0	21.	0
6.	0	22.	0
7.	0	23.	0
8.	0	24.	0
9.	0	25.	0
10.	0	26.	0
11.	0	27.	0
12.	0	28.	0
13.	0	29.	0
14.	0	30.	0
15.	0	31.	0
16.	0		

ATTACHMENT II
 OPERATING DATA REPORT

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE 1/ 5/00
 COMPLETED BY W. H. BELL
 TELEPHONE (803) 345-4389

OPERATING STATUS

1. Reporting Period: December 2000
- Gross Hours in Reporting Period: 744
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

	THIS MONTH -----	YR TO DATE -----	CUMULATIVE -----
5. Number of Hours Reactor Critical	0.0	6724.9	124153.9
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator on Line	0.0	6689.6	122527.5
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	0	19110892	328704199
10. Gross Electrical Energy (MWH)	0	6619700	110509419
11. Net Electrical Energy Generated (MWH)	0	6358809	105513653
12. Reactor Service Factor	0.0	76.6	83.3
13. Reactor Availability Factor	0.0	76.6	83.3
14. Unit Service Factor	0.0	76.2	82.2
15. Unit Availability Factor	0.0	76.2	82.2
16. Unit Capacity Factor (Using MDC)	0.0	75.1	78.5
17. Unit Capacity Factor (Design MWe)	0.0	74.5	77.4
18. Unit Forced Outage Rate	0.0	0.5	3.4
19. Shutdowns Scheduled Over Next 6 Months (Type, Date & Duration of Each): N/A			
20. If Shut Down at End of Report Period, Estimated Date of Startup: 02/01/2001			
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/ 5/00
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

DECEMBER 2000

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
3	1007	S	744.0	C	1	COMPLETE REFUELING

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/ 5/00
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

DECEMBER 2000

THE PLANT WAS SHUT DOWN FOR THE ENTIRE MONTH OF DECEMBER. THE SHUT DOWN IS DUE TO THE EXTENSION OF THE TWELTH REFUELING OUTAGE. THIS PLANNED REFUELING OUTAGE HAS BEEN EXTENDED TO CONDUCT REPAIRS TO THE "A" LOOP OF THE REACTOR COOLANT SYSTEM HOT LEG PIPE. REPAIRS WERE IN PROGRESS FOR THE ENTIRE MONTH REQUIRING THAT THE PLANT REMAIN SHUT DOWN WITH THE REACTOR DEFUELED.

MISCELLANEOUS OPERATING STATISTICS THRU December 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): 1016

	LIFE OF PLANT	FISCAL YEAR TO DATE	12 MONTH TOTALS	3 MONTH TOTALS
	-----	-----	-----	-----
Number of Hours Reactor Critical	131488.7	2357.9	6724.9	149.9
Reactor Reserve Shutdown Hours	0.0	0.0		
Hours Generator on Line	129526.9	2353.9	6689.6	145.9
Unit Reserve Shutdown Hours	0.0	0.0		
Gross Thermal Energy Generated (MWH)	343314734	6702114	19110892	362624
Gross Electrical Energy (MWH)	115289929	2301000	6619700	125140
Net Electrical Energy Generated (MWH)	110006379	2207840	6358809	119511
Reactor Service Factor	82.8	53.4		
Reactor Availability Factor	82.8	53.4		
Unit Service Factor	81.5	53.3		
Unit Availability Factor	81.5	53.3	76.2	6.6
Unit Capacity Factor (Using MDC)	76.9	51.7	75.1	5.5
Unit Capacity Factor (Design MWe)	75.8	51.3		
Unit Forced Outage Rate	3.7	0.0	0.5	
Forced Outage Hours	5017.0	0.0	31.3	0.0
Scheduled Outage Hours	24338.1	2063.1	2063.1	2063.1
Equipment Forced Outages:			1	0
Equivalent Unit Derated Hours*			2285.90	2084.30
Equivalent Seasonal Derated Hours*			20.17	0.29
Equivalent Availability Factor*			49.9	-87.8
Equivalent Unit Derated Hours* for Month: 744.0				
Equivalent Seasonal Derated Hours* for Month: 0.0				
Equivalent Availability Factor* for Month: -100.0				
Equivalent Availability Factor* for 36 months: 77.3				
Year-to-Date Equivalent Availability Factor*: 49.9				
Equipment Forced Outages per 1000 Critical Hours:		0.149		
Equipment Forced Outages Year-to-Date:	1			
Total Forced Outages Year-to-Date:	1			

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

MONTH: DECEMBER 2000

HOURS GENERATOR ON LINE: 0.0

UNIT AVAILABILITY FACTOR: 0.0

V. C. SUMMER, UNIT 1

MONTHLY OUTAGE REPORT FOR DECEMBER 2000

OUTAGE NO.	START TIME	END TIME	HOURS DURATION	TYPE	REASON FOR OUTAGE	CORRECTIVE ACTION
3	10/06/00	12/31/00	744.0	S	12TH REFUELING	COMPLETE REFULEING