



December 13, 1999
RC-99-0228

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
NOVEMBER MONTHLY OPERATING REPORT

Enclosed is the November 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.

Gary J. Taylor
Vice President
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Very truly yours,

Gary J. Taylor

GJT/nkk
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NUCLEAR EXCELLENCE - A SUMMER TRADITION!

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ATTACHMENT I
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 12/ 3/99
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

NOVEMBER 1999

DAY AVERAGE DAILY POWER LEVEL		DAY AVERAGE DAILY POWER LEVEL	
	(MWe-Net)		(MWe-Net)
1.	975	17.	975
2.	974	18.	975
3.	975	19.	975
4.	975	20.	976
5.	975	21.	976
6.	975	22.	975
7.	976	23.	975
8.	976	24.	976
9.	975	25.	976
10.	975	26.	976
11.	976	27.	976
12.	976	28.	975
13.	975	29.	974
14.	976	30.	976
15.	975		
16.	975		

ATTACHMENT II
 OPERATING DATA REPORT

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE 12/ 3/99
 COMPLETED BY W. H. BELL
 TELEPHONE (803) 345-4389

OPERATING STATUS

1. Reporting Period: November 1999
- Gross Hours in Reporting Period: 720
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	720.0	7086.3	116685.0
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator on Line	720.0	7036.6	115093.9
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	2086097	19921134	307438401
10. Gross Electrical Energy (MWH)	729350	6911310	103136039
11. Net Electrical Energy Generated (MWH)	702250	6649234	98427774
12. Reactor Service Factor	100.0	88.4	83.6
13. Reactor Availability Factor	100.0	88.4	83.6
14. Unit Service Factor	100.0	87.8	82.5
15. Unit Availability Factor	100.0	87.8	82.5
16. Unit Capacity Factor (Using MDC)	102.2	86.9	78.5
17. Unit Capacity Factor (Design MWe)	101.3	86.1	77.3
18. Unit Forced Outage Rate	0.0	0.8	3.6
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:			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 12/ 3/99
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

NOVEMBER 1999

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
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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)

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ATTACHMENT IV
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

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

NOVEMBER 1999

V.C Summer Station operated at 100% power for the entire month of
November, 1999.

MISCELLANEOUS OPERATING STATISTICS THRU November 1999

VIRGIL C SUMMER NUCLEAR STATION, UNIT 1

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
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Number of Hours Reactor Critical	124019.8	3673.0	7830.3	2185.0
Reactor Reserve Shutdown Hours	0.0	0.0		
Hours Generator on Line	122093.3	3673.0	7780.6	2185.0
Unit Reserve Shutdown Hours	0.0	0.0		
Gross Thermal Energy Generated (MWH)	322048936	10598185	22022934	6286935
Gross Electrical Energy (MWH)	107916549	3688590	7636060	2191060
Net Electrical Energy Generated (MWH)	102920500	3550613	7346279	2109160
Reactor Service Factor	83.0	100.0		
Reactor Availability Factor	83.0	100.0		
Unit Service Factor	81.7	100.0		
Unit Availability Factor	81.7	100.0	88.8	100.0
Unit Capacity Factor (Using MDC)	76.8	101.3	87.9	101.1
Unit Capacity Factor (Design MWe)	75.6	100.4		
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*			392.10	15.90
Equivalent Seasonal Derated Hours*			21.10	5.85
Equivalent Availability Factor*			84.1	99.0
Equivalent Unit Derated Hours* for Month:	0.0			
Equivalent Seasonal Derated Hours* for Month:	0.0			
Equivalent Availability Factor* for Month:	100.0			
Equivalent Availability Factor* for 36 months:	88.8			
Year-to-Date Equivalent Availability Factor*:	82.9			
Equipment Forced Outages per 1000 Critical Hours:	0.383			
Equipment Forced Outages Year-to-Date:	3			
Total Forced Outages Year-to-Date:	3			

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

MONTH: NOVEMBER 1999

HOURS GENERATOR ON LINE: 720

UNIT AVAILABILITY FACTOR: 100

V. C. SUMMER, UNIT 1

MONTHLY OUTAGE REPORT FOR NOVEMBER 1999

OUTAGE NO.	START TIME	END TIME	HOURS DURATION	TYPE	REASON FOR OUTAGE	CORRECTIVE ACTION
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NONE