



November 12, 1999
RC-99-0217

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
OCTOBER MONTHLY OPERATING REPORT

Enclosed is the October 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.

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Very truly yours,

S. A. Byrne FOR GJT.

Gary J. Taylor

GJT/nkk
Attachment

c: S. A. Byrne
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PDR ADDYL 0500395 R

ATTACHMENT I
 AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE 11/ 2/99
 COMPLETED BY W. H. BELL
 TELEPHONE (803) 345-4389

OCTOBER 1999

DAY AVERAGE DAILY POWER LEVEL		DAY AVERAGE DAILY POWER LEVEL	
	(MWe-Net)		(MWe-Net)
1.	972	17.	972
2.	973	18.	973
3.	973	19.	972
4.	973	20.	973
5.	973	21.	973
6.	973	22.	973
7.	971	23.	973
8.	960	24.	973
9.	399	25.	973
10.	898	26.	973
11.	971	27.	973
12.	971	28.	974
13.	972	29.	975
14.	972	30.	975
15.	971	31.	975
16.	972		

ATTACHMENT II
 OPERATING DATA REPORT

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE 11/ 2/99
 COMPLETED BY W. H. BELL
 TELEPHONE (803) 345-4389

OPERATING STATUS

1. Reporting Period: October 1999
- Gross Hours in Reporting Period: 745
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	745.0	6366.3	115965.0
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator on Line	745.0	6316.6	114373.9
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	2115695	17835037	305352304
10. Gross Electrical Energy (MWH)	736630	6181960	102406689
11. Net Electrical Energy Generated (MWH)	708793	5946984	97725524
12. Reactor Service Factor	100.0	87.3	83.6
13. Reactor Availability Factor	100.0	87.3	83.6
14. Unit Service Factor	100.0	86.6	82.4
15. Unit Availability Factor	100.0	86.6	82.4
16. Unit Capacity Factor (Using MDC)	99.7	85.4	78.4
17. Unit Capacity Factor (Design MWe)	98.8	84.6	77.2
18. Unit Forced Outage Rate	0.0	0.9	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 11/2/99
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

OCTOBER 1999

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
5	991009	S	0.0	B	9	Repair RCS Flow Transmitter

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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TELEPHONE (803) 345-4389

OCTOBER 1999

Power was reduced on the 9th and 10th of October to permit repairs to a RCS flow transmitter. Power was reduced to 34% and restored to 100% after the repair was complete. The plant operated at 100% power for the remainder of the month of October.

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): 999.3

	LIFE OF PLANT	FISCAL YEAR TO DATE	12 MONTH TOTALS	3 MONTH TOTALS
Number of Hours Reactor Critical	123299.8	2953.0	7830.3	2209.0
Reactor Reserve Shutdown Hours	0.0	0.0		
Hours Generator on Line	121373.3	2953.0	7780.6	2209.0
Unit Reserve Shutdown Hours	0.0	0.0		
Gross Thermal Energy Generated (MWH)	319962839	8512088	22023094	6356447
Gross Electrical Energy (MWH)	107187199	2959240	7628420	2209070
Net Electrical Energy Generated (MWH)	102218250	2848363	7338588	2126199
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)	76.6	101.1	87.8	100.9
Unit Capacity Factor (Design MWe)	75.5	100.2		
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	13.35
Equivalent Availability Factor*			84.1	98.7
Equivalent Unit Derated Hours* for Month:	15.0			
Equivalent Seasonal Derated Hours* for Month:	1.5			
Equivalent Availability Factor* for Month:	97.8			
Equivalent Availability Factor* for 36 months:	88.8			
Year-to-Date Equivalent Availability Factor*:	81.2			
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: OCTOBER 1999

HOURS GENERATED ON LINE: 745

UNIT AVAILABILITY FACTOR: 100

V. C. SUMMER, UNIT 1
MONTHLY OUTAGE REPORT FOR OCTOBER 1999

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