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U. S. Nuclear Regulatory Commission
Washington, DC 20555

Attention: Director, Office of Resource Management

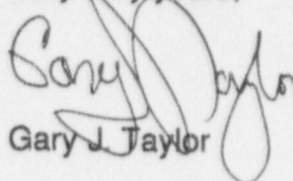
Gentlemen:

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

Enclosed is the September 1998 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,


Gary J. Taylor

GJT/nkk
Attachment

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- R. R. Mahan (w/o Attachment)
- R. J. White
- L. A. Reyes
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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 10/ 5/98
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

SEPTEMBER 1998

DAY AVERAGE DAILY POWER LEVEL	DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)	(MWe-Net)
1. 952	17. 956
2. 953	18. 955
3. 955	19. 955
4. 956	20. 955
5. 955	21. 956
6. 954	22. 956
7. 956	23. 956
8. 956	24. 957
9. 957	25. 957
10. 956	26. 957
11. 956	27. 958
12. 958	28. 956
13. 957	29. 956
14. 956	30. 957
15. 956	
16. 956	

ATTACHMENT II
 OPERATING DATA REPORT

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE 10/ 5/98
 COMPLETED BY W. H. BELL
 TELEPHONE (803) 345-4389

OPERATING STATUS

1. Reporting Period: September 1998
 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

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. Number of Hours Reactor Critical	720.0	6447.7	107389.7
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator on Line	720.0	6429.5	105848.3
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	2086230	18359638	281171269
10. Gross Electrical Energy (MWH)	715260	6319280	94035159
11. Net Electrical Energy Generated (MWH)	688233	6082146	89671768
12. Reactor Service Factor	100.0	98.4	83.1
13. Reactor Availability Factor	100.0	98.4	83.1
14. Unit Service Factor	100.0	98.1	81.9
15. Unit Availability Factor	100.0	98.1	81.9
16. Unit Capacity Factor (Using MDC)	100.2	97.4	77.5
17. Unit Capacity Factor (Design MWe)	99.3	96.5	76.3
18. Unit Forced Outage Rate	0.0	1.9	3.9

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 10/ 5/98
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

SEPTEMBER 1998

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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September Monthly Operating Report
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ATTACHMENT IV
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 10/ 5/98
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

SEPTEMBER 1998

V.C. SUMMER UNIT 1 OPERATED AT 100% POWER FOR THE ENTIRE MONTH OF
SEPTEMBER 1998.

MISCELLANEOUS OPERATING STATISTICS THRU September 1998

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): 995

	LIFE OF PLANT	FISCAL YEAR TO DATE	12 MONTH TOTALS	3 MONTH TOTALS
Number of Hours Reactor Critical	114724.5	2208.0	7870.7	2208.0
Reactor Reserve Shutdown Hours	0.0	0.0		
Hours Generator on Line	112847.7	2208.0	7816.6	2208.0
Unit Reserve Shutdown Hours	0.0	0.0		
Gross Thermal Energy Generated (MWH)	295781804	6212527	22009499	6212527
Gross Electrical Energy (MWH)	98815669	2123250	7572900	2123250
Net Electrical Energy Generated (MWH)	94164494	2041088	7285214	2041088
Reactor Service Factor	82.5	100.0		
Reactor Availability Factor	82.5	100.0		
Unit Service Factor	81.1	100.0		
Unit Availability Factor	81.1	100.0	89.2	100.0
Unit Capacity Factor (Using MDC)	75.7	96.9	87.3	96.9
Unit Capacity Factor (Design MWe)	74.5	96.0		
Unit Forced Outage Rate	4.2	0.0	1.5	
Forced Outage Hours	4927.8	0.0	121.5	0.0
Scheduled Outage Hours	21353.5	0.0	821.9	0.0
Equipment Forced Outages:			1	0
Equivalent Unit Derated Hours*			155.94	69.50
Equivalent Seasonal Derated Hours*			20.15	16.35
Equivalent Availability Factor*			87.2	96.1
Equivalent Unit Derated Hours* for Month:	0.0			
Equivalent Seasonal Derated Hours* for Month:	4.4			
Equivalent Availability Factor* for Month:	99.4			
Equivalent Availability Factor* for 36 months:	90.4			
Year-to-Date Equivalent Availability Factor*:	96.4			
Equipment Forced Outages per 1000 Critical Hours:	0.127			
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: SEPTEMBER 1998

HOURS GENERATOR ON LINE: 720

UNIT AVAILABILITY FACTOR: 100%

V. C. SUMMER, UNIT 1

MONTHLY OUTAGE REPORT FOR SEPTEMBER 1998

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

-----!-----!-----!-----!-----!-----!-----
NONE