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10CFR50.36  
John L. Skold's  
Vice President  
Nuclear Operations

JAN 09 1991

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

Please find enclosed the December 1990 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,

John L. Skold

DCH:JWH:JLS:1cd  
Attachments

c:	O. W. Dixon, Jr.	J. W. Flitter
	R. R. Mahan	INPO Records Center
	R. J. White	ANI Library
	S. D. Ebnetter	Marsh & McLennan
	G. F. Wunder	NPCF
	General Managers	NSRC
	G. G. Sault	RTS (MON 2000)
	NRC Resident Inspector	File (818.03-1)
	J. B. Knotts, Jr.	

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PDR AJOCK 05000395  
R PDR

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NUCLEAR EXCELLENCE - A SUMMER TRADITION!

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ATTACHMENT II  
 OPERATING DATA REPORT

DOCKET NO. 50/395  
 UNIT V. C. SUMMER I  
 DATE 01/02/91  
 COMPLETED BY J. W. HALTIWANGER  
 TELEPHONE (803) 345-0297

OPERATING STATUS

1. Reporting Period: December 1990
- Gross Hours in Reporting Period: 744
2. Currently Authorized Power Level (Mwt): 2775
- Max. Depend. Capacity (MWe-Net): 885
- Design Electrical Rating (MWe-Net): 900
3. Power Level to Which Restricted (If Any) (MWe-Net): N/A
4. Reasons for Restrictions: N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
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5. Number of Hours Reactor Critical	744.0	7346.3	47359.1
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator on Line	744.0	7262.4	46422.0
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	1584367	19301167	121671480
10. Gross Electrical Energy (MWH)	623580	6395150	40256359
11. Net Electrical Energy Generated (MWH)	496794	6106915	38206831
12. Reactor Service Factor	100.0	83.9	77.2
13. Reactor Availability Factor	100.0	83.9	77.2
14. Unit Service Factor	100.0	82.9	75.6
15. Unit Availability Factor	100.0	82.9	75.6
16. Unit Capacity Factor (Using MDC)	75.5	78.8	70.3
17. Unit Capacity Factor (Design MWe)	74.2	77.5	69.2
18. Unit Forced Outage Rate	0.0	0.0	7.7
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 I  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395  
UNIT V. C. SUMMER I  
DATE 1/ 2/91  
COMPLETED BY J. W. HALTIWANGER  
TELEPHONE (803) 345-4257

DECEMBER 1990

DAY AVERAGE DAILY POWER LEVEL

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

(MWe-Net)

1.	890	17.	885
2.	892	18.	694
3.	890	19.	365
4.	891	20.	376
5.	891	21.	376
6.	896	22.	377
7.	895	23.	379
8.	883	24.	381
9.	883	25.	381
10.	886	26.	384
11.	886	27.	381
12.	886	28.	377
13.	886	29.	376
14.	886	30.	378
15.	886	31.	377
16.	885		

ATTACHMENT III  
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50/395  
UNIT V. C. SUMMER I  
DATE 1/ 2/91  
COMPLETED BY J. W. HALTIWANGER  
TELEPHONE (803) 345-4297

DECEMBER 1990

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
4	901218	S	0.0	F	5	POWER REDUCTION TO CONSERVE FUEL

Key

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	01/02/91
COMPLETED BY	J. W. HALTIWANGER
TELEPHONE	(803) 345-4297

DECEMBER 1990

Virgil C. Summer Nuclear Station (VCSN) operated at approximately 100% power for the first 17 days of December. On December 18, power was reduced to approximately 47% to conserve fuel. VCSNS operated at approximately 47% power for the remainder of the month of December.