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Senior Vice President, Nuclear Operations  
803 345 4622



January 6, 2003

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

Attention: Director, Office of Resource Management

Ladies and Gentlemen:

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

Enclosed is the December 2002 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

SAB/mbb  
Attachment

c: G. H. Halnon  
T. G. Eppink (w/o Attachment)  
R. J. White  
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K. R. Cotton  
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NRC Resident Inspector  
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Paulette Ledbetter  
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RTS (0-L-99-0350-1)  
File (818.03-1, RR 4100)  
DMS (RC-03-0001)

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ATTACHMENT I  
 AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395  
 UNIT V. C. SUMMER I  
 DATE January 2, 2003  
 COMPLETED BY W. H. BELL  
 TELEPHONE (803) 345-4389

December 2002

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	978	17	980
2	977	18	979
3	978	19	981
4	978	20	983
5	985	21	982
6	980	22	983
7	982	23	983
8	983	24	982
9	982	25	982
10	980	26	983
11	982	27	981
12	982	28	983
13	977	29	982
14	971	30	984
15	976	31	983
16	980		

ATTACHMENT II  
OPERATING DATA REPORT

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	January 2, 2003
COMPLETED BY	W. H. BELL
TELEPHONE	(803) 345-4389

OPERATING  
STATUS

1	Reporting Period:	December 2002
	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	
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5	Number of Hours Reactor Critical	744.0	7700 0	139149.3
6	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7	Hours Generator On Line	744.0	7646.0	137270.4
8	Unit Reserve Shutdown Hours	0.0	0 0	0.0
9	Gross Thermal Energy Generated (MWH)	2153818	21943373	370829781
10	Gross Electrical Energy (MWH)	759350	7677140	125225889
11	Net Electrical Energy Generated (MWH)	729649	7379518	119650699
12	Reactor Service Factor	100.0	87.9	83.5
13	Reactor Availability Factor	100.0	87.9	83.5
14	Unit Service Factor	100.0	87.3	82.4
15	Unit Availability Factor	100.0	87.3	82.4
16	Unit Capacity Factor (Using MDC)	101.5	87.2	79.1
17	Unit Capacity Factor (Using Design)	100.8	86.6	78.0
18	Unit Forced Outage Rate	0.0	0.5	3.1
19	Shutdowns Scheduled Over Next 6 Months (Type, Date, & Duration of Each). None			
20	If Shutdown 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 REDUCTION

DOCKET NO.	50/395
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TELEPHONE	(803) 345-4389

December 2002

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
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N/A

- 1 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 METHOD
  - 1: Manual
  - 2: Manual Trip/Scram
  - 3: Automatic Trip/Scram
  - 4: Continuation (Use Initial Date)
  - 5: Power Reduction (Duration 0.0)
  - 9: Other (Explain)

SUMMARY:

ATTACHMENT IV  
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

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

December 2002

At 22:30 on 12/13 a power reduction to support quarterly main turbine control valve testing began. By 22:42 reactor power had been reduced to 92%. At 00:20 on 12/14 control valve testing was complete and a reactor power increase began. Reactor power was restored to 100% at 02:40 on 12/14. At 05:28 on 12/14 reactor power was gradually reduced to approximately 98% to support electro hydraulic control system testing and troubleshooting. Power was held at approximately this level until 22:08 12/15 at which time testing was completed and a reactor power increase began. Reactor power was restored to 100% at 23:19. Reactor power was maintained at 100% at all other times during the month.