

Stephen A. Byrne  
Senior Vice President, Nuclear Operations  
803 345 4622



February 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  
JANUARY MONTHLY OPERATING REPORT

Enclosed is the January 2003 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  
L. A. Reyes  
K. R. Cotton  
T. D. Gatlin  
NRC Resident Inspector  
K. M. Sutton  
Paulette Ledbetter

INPO Records Center  
J&H Marsh & McLennan  
William G. Wendland (ANI)  
Pat Haught (Westinghouse)  
C. W. Adams  
RTS (0-L-99-0350-1)  
File (818.03-1, RR 4100)  
DMS (RC-03-0033)

JE24

ATTACHMENT I  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395  
UNIT V. C. SUMMER I  
DATE February 4, 2003  
COMPLETED BY W. H. BELL  
TELEPHONE (803) 345-4389

January 2003

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

ATTACHMENT II  
 OPERATING DATA REPORT

DOCKET NO. 50/395  
 UNIT V. C. SUMMER I  
 DATE February 4, 2003  
 COMPLETED BY W. H. BELL  
 TELEPHONE (803) 345-4389

OPERATING  
 STATUS

1 Reporting Period: January 2003  
 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	
	-----	-----	-----	
5	Number of Hours Reactor Critical	744.0	744.0	139893.3
6	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7	Hours Generator On Line	744.0	744.0	138014.4
8	Unit Reserve Shutdown Hours	0.0	0.0	0.0
9	Gross Thermal Energy Generated (MWH)	2155113	2155113	372984894
10	Gross Electrical Energy (MWH)	760490	760490	125986379
11	Net Electrical Energy Generated (MWH)	730770	730770	120381469
12	Reactor Service Factor	100.0	100.0	83.6
13	Reactor Availability Factor	100.0	100.0	83.6
14	Unit Service Factor	100.0	100.0	82.5
15	Unit Availability Factor	100.0	100.0	82.5
16	Unit Capacity Factor (Using MDC)	101.7	101.7	79.2
17	Unit Capacity Factor (Using Design)	101.0	101.0	78.2
18	Unit Forced Outage Rate	0.0	0.0	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
UNIT	V. C. SUMMER I
DATE	February 4, 2003
COMPLETED BY	W. H. BELL
TELEPHONE	(803) 345-4389

January 2003

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

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

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	February 4, 2003
COMPLETED BY	W. H. BELL
TELEPHONE	(803) 345-4389

January 2003

On 01/09/03 at 02:10 the calorimetric computer program used to calculate the feedwater flow rate based value of reactor thermal power (Fivcals) locked up and began returning exactly the same value of core thermal power. This condition continued until 04:42 at which time the Plant Computer group corrected the problem. As a result of this problem with the calorimetric, reactor thermal power was reduced to approximately 99% at 03:35. After the calorimetric was restarted power escalation began at 05:35 and 100% power was restored at 06:50 on the 9<sup>th</sup>.

On 01/17/03 at 14:43 a reactor shutdown began due to the "B" reactor trip breaker being declared inoperable. However, by 15:10 the breaker was repaired and declared operable and the shutdown was terminated. Power escalation began at 15:55 and was restored to 100% at 16:25. The plant operated at 100% power at all other times during the month.