



Jeffrey B. Archie  
Vice President, Nuclear Operations  
803.345.4214

April 6, 2005  
RC-05-0056

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

Attention: Director, Office of Resource Management

Dear Sir / Madam:

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

Enclosed is the March 2005 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,

*Dem. v. J.A.*

Jeffrey B. Archie

JBA/mbb  
Attachment

c: T. D. Gatlin  
T. G. Eppink (w/o Attachment)  
R. J. White  
W. D. Travers  
K. R. Cotton  
G. A. Lippard  
NRC Resident Inspector  
Winston & Strawn  
Paulette Ledbetter  
W. R. Higgins

S. A. Byrne  
INPO Records Center  
J&H Marsh & McLennan  
William G. Wendland (ANI)  
Pat Haught (Westinghouse)  
C. W. Adams  
NSRC  
CER (0-L-99-0350-1)  
File (818.03-1, RR 4100)  
DMS (RC-05-0056)

*IE24*

ATTACHMENT I  
 AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395  
 UNIT V. C. SUMMER I  
 DATE April 4, 2005  
 COMPLETED BY T. V. Dao  
 TELEPHONE (803) 345-4812

March 2005

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
	(Mwe-Net)		(Mwe-Net)
1	980	17	985
2	939	18	985
3	985	19	986
4	985	20	986
5	987	21	984
6	986	22	983
7	986	23	986
8	986	24	987
9	985	25	986
10	986	26	987
11	986	27	987
12	986	28	988
13	986	29	987
14	986	30	989
15	985	31	989
16	985		

ATTACHMENT II  
 OPERATING DATA REPORT

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	April 4, 2005
COMPLETED BY	T. V. Dao
TELEPHONE	(803) 345-4812

OPERATING STATUS

1	Reporting Period:	March 2005
	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	2160.0	157470.7
6	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7	Hours Generator On Line	744.0	2160.0	155409.8
8	Unit Reserve Shutdown Hours	0.0	0.0	0.0
9	Gross Thermal Energy Generated (MWH)	2151448	6253903	423192068
10	Gross Electrical Energy (MWH)	761656	2213466	143666655
11	Net Electrical Energy Generated (MWH)	732214	2127478	137373607
12	Reactor Service Factor	100.0	100.0	84.5
13	Reactor Availability Factor	100.0	100.0	84.5
14	Unit Service Factor	100.0	100.0	83.4
15	Unit Availability Factor	100.0	100.0	83.4
16	Unit Capacity Factor (Using MDC)	101.9	102.0	80.7
17	Unit Capacity Factor (Using Design)	101.2	101.3	79.6
18	Unit Forced Outage Rate	0.0	0.0	3.0
19	Shutdowns Scheduled Over Next 6 Months (Type, Date, & Duration of Each): Refuel 15 is scheduled to start on 04/22/2005 for a duration of 35 days.			
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	April 4, 2005
COMPLETED BY	T. V. Dao
TELEPHONE	(803) 345-4812

March 2005

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
1	03/01/2005	F	0.0	H	5	Reactor power was reduced to 95% to preclude a potential reactivity transient in the event the main computer in the heater drain level control system fails.

- 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	April 4, 2005
COMPLETED BY	T. V. Dao
TELEPHONE	(803) 345-4812

March 2005

V. C. Summer Station operated at full power for the entire month of March 2005 with the exception of a power reduction on March 1, 2005.

Reactor power was reduced to 95% from 03/01/05 at 21:00 to 03/03/05 at 00:00 due to failure of the back up computer in the heater drain level control system. The power reduction was to preclude a potential reactivity transient in the event the main computer of the heater drain level control system fails.