

Jeffrey B. Archie
Vice President, Nuclear Operations
803.345.4214



May 9, 2006

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

Attention: Director, Office of Resource Management

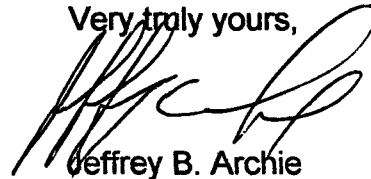
Dear Sir / Madam:

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

Enclosed is the April 2006 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 Mr. Robert G. Sweet, (803) 345-4080, at your convenience.

Very truly yours,



Jeffrey B. Archie

JBA/mbb
Attachment

c: S. A. Byrne
T. D. Gatlin
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NRC Resident Inspector
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NSRC
CER (L-99-0350-1)
File (818.03-1, RR 4100)
DMS (RC-06-0094)

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ATTACHMENT I
 AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE May 2, 2006
 COMPLETED BY T. V. Dao
 TELEPHONE (803) 345-4812

April 2006

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	989	17	988
2	989	18	988
3	989	19	988
4	989	20	988
5	989	21	987
6	990	22	988
7	989	23	987
8	989	24	987
9	989	25	988
10	989	26	986
11	989	27	984
12	989	28	987
13	989	29	986
14	988	30	987
15	988		
16	988		

ATTACHMENT II
 OPERATING DATA REPORT

DOCKET NO.	50/395
UNIT	V. C. SUMMER I
DATE	May 2, 2006
COMPLETED BY	T. V. Dao
TELEPHONE	(803) 345-4812

OPERATING STATUS

1	Reporting Period:	April 2006
	Gross Hours in Reporting Period:	719
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	719.0	2879.0	165977.4
6	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7	Hours Generator On Line	719.0	2879.0	163875.7
8	Unit Reserve Shutdown Hours	0.0	0.0	0.0
9	Gross Thermal Energy Generated (MWH)	2083039	8339900	447306541
10	Gross Electrical Energy (MWH)	736950	2954300	152181869
11	Net Electrical Energy Generated (MWH)	710454	2844383	145559912
12	Reactor Service Factor	100.0	100.0	84.8
13	Reactor Availability Factor	100.0	100.0	84.8
14	Unit Service Factor	100.0	100.0	83.7
15	Unit Availability Factor	100.0	100.0	83.7
16	Unit Capacity Factor (Using MDC)	102.3	102.3	81.1
17	Unit Capacity Factor (Using Design)	101.6	101.6	80.1
18	Unit Forced Outage Rate	0.0	0.0	2.9

19 Shutdowns Scheduled Over Next 6 Months (Type, Date, & Duration of Each):
 Refuel 16 is scheduled to start on 10/13/06 for a 32 day duration.

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 May 2, 2006
COMPLETED BY T. V. Dao
TELEPHONE (803) 345-4812

April 2006

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
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None

- 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	May 2, 2006
COMPLETED BY	T. V. Dao
TELEPHONE	(803) 345-4812

April 2006

V. C. Summer Station operated at full power for the entire month of April.