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January 7, 2005

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

Attention: Director, Office of Resource Management

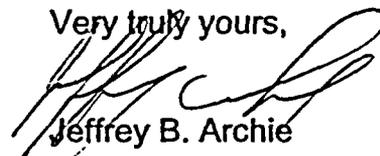
Dear Sir / Madam:

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

Enclosed is the December 2004 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,



Jeffrey B. Archie

JBA/mbb
Attachment

c: T. D. Gatlin
T. G. Eppink (w/o Attachment)
R. J. White
W. D. Travers
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NRC Resident Inspector
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File (818.03-1, RR 4100)
DMS (RC-05-0004)

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ATTACHMENT I
 AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE January 5, 2005
 COMPLETED BY T. V. Dao
 TELEPHONE (803) 345-4812

December 2004

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	988	17	983
2	986	18	986
3	987	19	985
4	987	20	983
5	987	21	985
6	47	22	986
7	0	23	986
8	0	24	986
9	317	25	986
10	959	26	985
11	984	27	985
12	985	28	985
13	986	29	985
14	986	30	986
15	986	31	986
16	984		

ATTACHMENT II
 OPERATING DATA REPORT

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE January 5, 2005
 COMPLETED BY T. V. Dao
 TELEPHONE (803) 345-4812

OPERATING STATUS

1 Reporting Period: December 2004
 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	8506.2	155310.7
6	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7	Hours Generator On Line	667.1	8414.4	153249.8
8	Unit Reserve Shutdown Hours	0.0	0.0	0.0
9	Gross Thermal Energy Generated (MWH)	1909258	24322110	416938165
10	Gross Electrical Energy (MWH)	673250	8576330	141453189
11	Net Electrical Energy Generated (MWH)	646742	8243336	135246129
12	Reactor Service Factor	100.0	96.8	84.4
13	Reactor Availability Factor	100.0	96.8	84.4
14	Unit Service Factor	89.7	95.8	83.2
15	Unit Availability Factor	89.7	95.8	83.2
16	Unit Capacity Factor (Using MDC)	90.0	97.1	80.4
17	Unit Capacity Factor (Using Design)	89.4	96.5	79.4
18	Unit Forced Outage Rate	10.3	4.0	3.1
19	Shutdowns Scheduled Over Next 6 Months (Type, Date, & Duration of Each): Refuel 15 is scheduled to start on 04/22/05 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 January 5, 2005
 COMPLETED BY T. V. Dao
 TELEPHONE (803) 345-4812

December 2004

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
3	12/6/2004	F	76.9	A	1	Reactor Power was reduced to 2% with the main turbine offline to repair a steam leak in the extraction steam piping.

- 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	January 5, 2005
COMPLETED BY	T. V. Dao
TELEPHONE	(803) 345-4812

December 2004

V. C. Summer Station operated at full power for the month of December with the following exception:

Reactor power was reduced to 2% with the main turbine offline on 12/06/2004 at 01:53 to repair a steam leak in the turbine extraction steam line. The main turbine was returned to service on 12/09/2004 at 06:50 following the steam leak repair.