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10CFR50.36
John L. Skolds
Vice President
Nuclear Operations

February 11, 1993
Refer to: RC-93-0038

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

Attention: Director, Office of Resource Management

Gentlemen:

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

Enclosed is the January 1993 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,

John L. Skolds

JWH:RJB:smd
Attachments

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JE24/1

ATTACHMENT I
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50,395
UNIT V. C. SUMMER I
DATE 2/ 2/93
COMPLETED BY J. W. HALTIWANGER
TELEPHONE (803) 345-4297

JANUARY 1993

DAY AVERAGE DAILY POWER LEVEL

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

(MWe-Net)

1. 891

17. 289

2. 878

18. 714

3. 892

19. 808

4. 893

20. 810

5. 894

21. 885

6. 894

22. 891

7. 892

23. 890

8. 893

24. 891

9. 893

25. 889

10. 892

26. 890

11. 892

27. 890

12. 321

28. 837

13. -29

29. 882

14. -35

30. 891

15. -36

31. 892

16. 25

ATTACHMENT II
OPERATING DATA REPORT

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 2/ 2/93
COMPLETED BY J. W. HALTIWANGER
TELEPHONE (803) 345-4297

OPERATING STATUS

1. Reporting Period: January 1993
Gross Hours in Reporting Period: 744
2. Currently Authorized Power Level (MWt): 2775
Max. Depend. Capacity (MWe-Net): 885
Design Electrical Rating (MWe-Net): 900
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	704.6	704.6	63882.3
6. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
7. Hours Generator on Line	638.5	638.5	62658.8
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	1684289	1684289	163727047
10. Gross Electrical Energy(MWH)	564930	564930	54290689
11. Net Electrical Energy Generated (MWH)	537608	537608	51600093
12. Reactor Service Factor	94.7	94.7	80.2
13. Reactor Availability Factor	94.7	94.7	80.2
14. Unit Service Factor	85.8	85.8	78.7
15. Unit Availability Factor	85.8	85.8	78.7
16. Unit Capacity Factor (Using MDC)	81.6	81.6	73.2
17. Unit Capacity Factor (Design MWe)	80.3	80.3	72.0
18. Unit Forced Outage Rate	14.2	14.2	6.0

19. Shutdowns Scheduled Over Next 6 Months(Type, Date & Duration of Each):
REFUELING, MARCH 5, 1993, 65 DAYS

20. If Shut Down 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 REDUCTIONS

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 2/ 2/93
COMPLETED BY J. W. HALTIWANGER
TELEPHONE (803) 345-4297

JANUARY 1993

NO.	DATE	TYPE	DURATION	REASON	METHOD	CORRECTIVE ACTION/COMMENTS
1	930112	F	105.5	A	3	TRANSFORMER OCB OPENED

1.0 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)

2.0 METHOD

1: Manual
2: Manual Scram
3: Automatic Scram
4: Continuation (Use initial Date)
5: Power Reduction (Duration 0.0)
9: Other (Explain)

ATTACHMENT IV NARRATIVE SUMMARY OF OPERATING EXPERIENCE

The V. C. Summer Nuclear Station Unit No. 1 operated at 100% power for the first 11 days of January. On January 12, 1993, the plant experienced a reactor trip from 100% power. With no required input from any generator backup protective relay, an auxiliary timing relay (21GX-2) spuriously actuated and energized the trip coils on the main transformer high side oil circuit breaker (OCB 8902). When it opened, the generator was left supplying the balance of plant (BOP) busses through the generator breaker. The instantaneous loss of load caused the generator to rapidly increase speed which resulted in bus frequency increasing to approximately 62.5 hertz. The reactor coolant pumps (RCP), energized by the BOP busses, increased their speed. A reactor trip occurred at 0854 hours from 100% power approximately 0.7 seconds after OCB 8902 opened on positive rate on all nuclear instrumentation power range channels.

The calibration of the 21GX-2 relay was checked and found to be within tolerances. The 21GX-2 relay and all other generator backup protection relays were functionally tested satisfactory. The 21GX-2 relay, 21GX-1 relay, and the relays that provide input to them were replaced.

The reactor was returned to criticality (Mode 2) at 0018 hours January 14. On January 16 power was increased and the generator was placed on the line at 1823 hours.

The plant operated at approximately 100% power for the remainder of January, except for a minor power reduction for maintenance on January 28.