



February 11, 2000
RC-00-0032

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

Attention: Director, Office of Resource Management

Gary J. Taylor
Vice President
Nuclear Operations

Gentlemen:

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


Enclosed is the January 2000 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.

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Virgil C. Summer Nuclear Station
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Very truly yours,



Gary J. Taylor

GJT/nkk
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ATTACHMENT I
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 2/4/00
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

JANUARY 2000

DAY AVERAGE DAILY POWER LEVEL

DAY AVERAGE DAILY POWER LEVEL

| | (MWe-Net) | | (MWe-Net) |
|-----|-----------|-----|-----------|
| 1. | 976 | 17. | 975 |
| 2. | 977 | 18. | 975 |
| 3. | 976 | 19. | 975 |
| 4. | 976 | 20. | 975 |
| 5. | 975 | 21. | 975 |
| 6. | 976 | 22. | 975 |
| 7. | 976 | 23. | 975 |
| 8. | 975 | 24. | 976 |
| 9. | 976 | 25. | 974 |
| 10. | 976 | 26. | 976 |
| 11. | 976 | 27. | 975 |
| 12. | 976 | 28. | 976 |
| 13. | 976 | 29. | 977 |
| 14. | 975 | 30. | 976 |
| 15. | 975 | 31. | 975 |
| 16. | 976 | | |

ATTACHMENT II
 OPERATING DATA REPORT

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE 2/4/00
 COMPLETED BY W. H. BELL
 TELEPHONE (803) 345-4389

OPERATING STATUS

1. Reporting Period: January 2000
- 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

| | <u>THIS MONTH</u> | <u>YR TO DATE</u> | <u>CUMULATIVE</u> |
|--|-------------------|-------------------|-------------------|
| 5. Number of Hours Reactor Critical | 744.0 | 744.0 | 118173.0 |
| 6. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 7. Hours Generator On Line | 744.0 | 744.0 | 116581.9 |
| 8. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 9. Gross Thermal Energy Generated (MWH) | 2155656 | 2155656 | 311748963 |
| 10. Gross Electrical Energy (MWH) | 754150 | 754150 | 104643869 |
| 11. Net Electrical Energy Generated (MWH) | 725856 | 725856 | 99880700 |
| 12. Reactor Service Factor | 100.0 | 100.0 | 83.8 |
| 13. Reactor Availability Factor | 100.0 | 100.0 | 83.8 |
| 14. Unit Service Factor | 100.0 | 100.0 | 82.7 |
| 15. Unit Availability Factor | 100.0 | 100.0 | 82.7 |
| 16. Unit Capacity Factor (Using MDC) | 101.0 | 101.0 | 78.8 |
| 17. Unit Capacity Factor (Design Mwe) | 100.3 | 100.3 | 77.6 |
| 18. Unit Forced Outage Rate | 0.0 | 0.0 | 3.6 |
| 19. Shutdowns Scheduled Over Next 6 Months (Type, Date & Duration of Each): N/A | | | |
| 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 2/4/00
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

JANUARY 2000

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

NONE

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

| | |
|--------------|----------------|
| DOCKET NO. | 50/395 |
| UNIT | V. C. SUMMER I |
| DATE | 2/4/00 |
| COMPLETED BY | W. H. BELL |
| TELEPHONE | (803) 345-4389 |

JANUARY 2000

V. C. Summer Station operated at 100% power for the entire month of January, 2000.

MISCELLANEOUS OPERATING STATISTICS THRU January 2000

VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1

OPERATING STATUS

Currently Authorized Power Level (Mwt): 2900
 Max. Depend. Capacity (Mwe-Net): 966
 Design Electrical Rating (Mwe-Net): 972
 Gross Maximum Capacity (Mwe): 1019
 Gross Dependable Capacity (Mwe): 1019

| | <u>LIFE</u> <u>OF PLANT</u> | <u>FISCAL YEAR</u> <u>TO DATE</u> | <u>12 MONTH</u> <u>TOTALS</u> | <u>3 MONTH</u> <u>TOTALS</u> |
|---------------------------------------|--------------------------------|--------------------------------------|----------------------------------|---------------------------------|
| Number of Hours Reactor Critical | 125507.8 | 5161.0 | 7830.3 | 2208.0 |
| Reactor Reserve Shutdown Hours | 0.0 | 0.0 | | |
| Hours Generator On Line | 123581.3 | 5161.0 | 7780.6 | 2208.0 |
| Unit Reserve Shutdown Hours | 0.0 | 0.0 | | |
| Gross Thermal Energy Generated (MWH) | 326359498 | 14908747 | 22091641 | 6396659 |
| Gross Electrical Energy (MWH) | 109424379 | 5196420 | 7679450 | 2237180 |
| Net Electrical Energy Generated (MWH) | 104373426 | 5003539 | 8102160 | 2863969 |
| Reactor Service Factor | 83.2 | 100.0 | | |
| Reactor Availability Factor | 83.2 | 100.0 | | |
| Unit Service Factor | 81.9 | 100.0 | | |
| Unit Availability Factor | 81.9 | 100.0 | 88.8 | 100.0 |
| Unit Capacity Factor (Using MDC) | 77.0 | 101.4 | 88.3 | 101.6 |
| Unit Capacity Factor (Design Mwe) | 75.9 | 100.5 | | |
| Unit Forced Outage Rate | 3.9 | 0.0 | 0.7 | |
| Forced Outage Hours | 4985.7 | 0.0 | 57.9 | 0.0 |
| Scheduled Outage Hours | 22275.0 | 0.0 | 921.5 | 0.0 |
| Equipment Forced Outages | | | 3 | 0 |
| Equivalent Unit Derated Hours* | | | 366.30 | 0.40 |
| Equivalent Seasonal Derated Hours* | | | 21.10 | 0.00 |
| Equivalent Availability Factor* | | | 84.4 | 100.0 |

Equivalent Unit Derated Hours* for Month: 0.0

Equivalent Seasonal Derated hours* for Month: 0.0

Equivalent Availability Factor* for Month: 100.0

Equivalent Availability Factor* for 36 months: 90.0

Year-to-Date Equivalent Availability Factor*: 100.0

Equipment Forced Outages per 1000 Critical Hours: 0.383

Equipment Forced Outages Year-to-Date: 0

Total Forced Outages Year-to-Date: 0

* Based on INPO Detailed Descriptions of Overall Performance Indicators and Other Indicators - December 1987

MONTH: JANUARY 2000

HOURS GENERATOR ON LINE: 744

UNIT AVAILABILITY FACTOR: 100

V. C. SUMMER, UNIT 1
MONTHLY OUTAGE REPORT FOR JANUARY 2000

| OUTAGE NO. | START TIME | END TIME | HOURS DURATION | TYPE | REASON FOR OUTAGE | CORRECTIVE ACTION |
|---------------|---------------|-------------|-------------------|------|-------------------|-------------------|
| NONE | | | | | | |