



November 15, 2000
RC-00-0354

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
OCTOBER MONTHLY OPERATING REPORT

Stephen A. Byrne
Vice President
Nuclear Operations
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Enclosed is the October 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.

Very truly yours,

Stephen A. Byrne

SAB/nkk
Attachment

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NUCLEAR EXCELLENCE - A SUMMER TRADITION!

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ATTACHMENT I
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395
UNIT V. C. SUMMER I
DATE 11/ 8/00
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

OCTOBER 2000

DAY AVERAGE DAILY POWER LEVEL

DAY AVERAGE DAILY POWER LEVEL

| | (MWe-Net) | | (MWe-Net) |
|-----|-----------|-----|-----------|
| 1. | 856 | 17. | 0 |
| 2. | 846 | 18. | 0 |
| 3. | 841 | 19. | 0 |
| 4. | 830 | 20. | 0 |
| 5. | 823 | 21. | 0 |
| 6. | 777 | 22. | 0 |
| 7. | 5 | 23. | 0 |
| 8. | 0 | 24. | 0 |
| 9. | 0 | 25. | 0 |
| 10. | 0 | 26. | 0 |
| 11. | 0 | 27. | 0 |
| 12. | 0 | 28. | 0 |
| 13. | 0 | 29. | 0 |
| 14. | 0 | 30. | 0 |
| 15. | 0 | 31. | 0 |
| 16. | 0 | | |

ATTACHMENT II
 OPERATING DATA REPORT

DOCKET NO. 50/395
 UNIT V. C. SUMMER I
 DATE 11/ 8/00
 COMPLETED BY W. H. BELL
 TELEPHONE (803) 345-4389

OPERATING STATUS

1. Reporting Period: October 2000
- Gross Hours in Reporting Period: 745
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 | 149.9 | 6724.9 | 124153.9 |
| 6. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 7. Hours Generator on Line | 145.9 | 6689.6 | 122527.5 |
| 8. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 9. Gross Thermal Energy Generated (MWH) | 362624 | 19110892 | 328704199 |
| 10. Gross Electrical Energy (MWH) | 125140 | 6619700 | 110509419 |
| 11. Net Electrical Energy Generated (MWH) | 119511 | 6358809 | 105513653 |
| 12. Reactor Service Factor | 20.1 | 91.9 | 84.1 |
| 13. Reactor Availability Factor | 20.1 | 91.9 | 84.1 |
| 14. Unit Service Factor | 19.6 | 91.4 | 83.0 |
| 15. Unit Availability Factor | 19.6 | 91.4 | 83.0 |
| 16. Unit Capacity Factor (Using MDC) | 16.6 | 90.1 | 79.4 |
| 17. Unit Capacity Factor (Design MWe) | 16.5 | 89.4 | 78.2 |
| 18. Unit Forced Outage Rate | 0.0 | 0.5 | 3.4 |
| 19. Shutdowns Scheduled Over Next 6 Months (Type, Date & Duration of Each): | NONE | | |
| 20. If Shut Down at End of Report Period, Estimated Date of Startup: | 1/02/2001 | | |
| 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 11/ 8/00
COMPLETED BY W. H. BELL
TELEPHONE (803) 345-4389

OCTOBER 2000

| NO. | DATE | TYPE | DURATION | REASON | METHOD | CORRECTIVE ACTION/COMMENTS |
|-----|------|------|----------|--------|--------|----------------------------|
| 3 | 1007 | S | 599.1 | C | 1 | COMPLETE REFUELING |

- 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)

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ATTACHMENT IV
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

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TELEPHONE (803) 345-4389

OCTOBER 2000

AT THE BEGINNING OF THE MONTH THE PLANT WAS AT 88% POWER AND IN THE PROCESS OF END OF CYCLE 12 FUEL COAST DOWN. THE 12TH REFUELING OUTAGE BEGAN AT 01:54 ON THE 7TH WITH THE OPENING OF THE MAIN GENERATOR BREAKER. THE REACTOR BECAME SUB CRITICAL WITH ENTRY INTO MODE 3 AT 05:52 ALSO ON THE 7TH. THE PLANT REMAINED SHUT DOWN FOR THE REMAINDER OF THE MONTH.

MISCELLANEOUS OPERATING STATISTICS THRU October 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): 1012

| | LIFE OF PLANT | FISCAL YEAR TO DATE | 12 MONTH TOTALS | 3 MONTH TOTALS |
|---|------------------|------------------------|--------------------|-------------------|
| Number of Hours Reactor Critical | 131488.7 | 2357.9 | 8188.9 | 1613.9 |
| Reactor Reserve Shutdown Hours | 0.0 | 0.0 | | |
| Hours Generator on Line | 129526.9 | 2353.9 | 8153.6 | 1609.9 |
| Unit Reserve Shutdown Hours | 0.0 | 0.0 | | |
| Gross Thermal Energy Generated (MWH) | 343314734 | 6702114 | 23351895 | 4546371 |
| Gross Electrical Energy (MWH) | 115289929 | 2301000 | 8102730 | 1561910 |
| Net Electrical Energy Generated (MWH) | 110006379 | 2207840 | 7788129 | 1498276 |
| Reactor Service Factor | 83.5 | 79.8 | | |
| Reactor Availability Factor | 83.5 | 79.8 | | |
| Unit Service Factor | 82.3 | 79.7 | | |
| Unit Availability Factor | 82.3 | 79.7 | 92.8 | 72.9 |
| Unit Capacity Factor (Using MDC) | 77.7 | 77.6 | 92.1 | 70.5 |
| Unit Capacity Factor (Design MWe) | 76.5 | 77.0 | | |
| Unit Forced Outage Rate | 3.7 | 0.0 | 0.4 | |
| Forced Outage Hours | 5017.0 | 0.0 | 31.3 | 0.0 |
| Scheduled Outage Hours | 22874.1 | 599.1 | 599.1 | 599.1 |
| Equipment Forced Outages: | | | 1 | 0 |
| Equivalent Unit Derated Hours* | | | 822.30 | 735.30 |
| Equivalent Seasonal Derated Hours* | | | 20.17 | 12.14 |
| Equivalent Availability Factor* | | | 83.2 | 39.0 |
| Equivalent Unit Derated Hours* for Month: 620.3 | | | | |
| Equivalent Seasonal Derated Hours* for Month: 0.3 | | | | |
| Equivalent Availability Factor* for Month: -63.7 | | | | |
| Equivalent Availability Factor* for 36 months: 88.4 | | | | |
| Year-to-Date Equivalent Availability Factor*: 79.9 | | | | |
| Equipment Forced Outages per 1000 Critical Hours: 0.122 | | | | |
| Equipment Forced Outages Year-to-Date: 1 | | | | |
| Total Forced Outages Year-to-Date: 0 | | | | |

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

MONTH: OCTOBER 2000

HOURS GENERATOR ON LINE: 168

UNIT AVAILABILITY FACTOR: 22.6

V. C. SUMMER, UNIT 1

MONTHLY OUTAGE REPORT FOR OCTOBER 2000

| OUTAGE NO. | START TIME | END TIME | HOURS DURATION | TYPE | REASON FOR OUTAGE | CORRECTIVE ACTION |
|---------------|---------------|-------------|-------------------|------|-------------------|--------------------|
| 3 | 10/06/00 | 10/31/00 | 599.1 | S | 12TH REFUELING | COMPLETE REFULEING |