

February 10, 2003

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Serial No. 03-109
NAPS/JRP
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT NOS. 1 AND 2
MONTHLY OPERATING REPORT

Enclosed is the January, 2003, Monthly Operating Report for North Anna Power Station Units 1 and 2.

Very truly yours,



D. A. Heacock
Site Vice President

Enclosure

Commitments made in this letter: None.

cc: U. S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, Georgia 30303

Mr. M. J. Morgan
NRC Senior Resident Inspector
North Anna Power Station



VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT
JANUARY 2003

Approved:

DAHed

Site Vice President

2-7-03

Date

OPERATING DATA REPORT

Docket No.: 50-338
 Date: 02/10/03
 Contact: D. A Heacock
 Telephone: (540) 894-2101

- 1. Unit Name:..... North Anna Unit 1
- 2. Reporting Period:..... January, 2003
- 3. Licensed Thermal Power (MWt): 2,893
- 4. Nameplate Rating (Gross MWe):..... 979.74
- 5. Design Electrical Rating (Net MWe): 907
- 6. Maximum Dependable Capacity (Gross MWe):.... 971
- 7. Maximum Dependable Capacity (Net MWe):..... 925

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

9. Power Level To Which Restricted, If Any (Net MWe): N/A

10. Reasons For Restrictions, If Any: N/A

| | | <u>This Month</u> | <u>Year-To-Date</u> | <u>Cumulative</u> |
|-----|---|-------------------|---------------------|-------------------|
| 11. | Hours in Reporting Period | 744.0 | 744.0 | 215,748.0 |
| 12. | Hours Reactor Was Critical | 744.0 | 744.0 | 175,799.8 |
| 13. | Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 7,275.2 |
| 14. | Hours Generator On-Line | 744.0 | 744.0 | 172,533.3 |
| 15. | Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. | Gross Thermal Energy Generated (MWH) | 2,050,297.8 | 2,050,297.8 | 470,761,358.1 |
| 17. | Gross Electrical Energy Generated (MWH) | 693,306.0 | 693,306.0 | 192,626,921.0 |
| 18. | Net Electrical Energy Generated (MWH) | 657,460.0 | 657,460.0 | 147,641,362.0 |
| 19. | Unit Service Factor | 100.0% | 100.0% | 80.0% |
| 20. | Unit Availability Factor | 100.0% | 100.0% | 80.0% |
| 21. | Unit Capacity Factor (Using MDC Net) | 95.5% | 95.5% | 76.3% |
| 22. | Unit Capacity Factor (Using DER Net) | 97.4% | 97.4% | 75.4% |
| 23. | Unit Forced Outage Rate | 0.0% | 0.0% | 6.5% |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
Type and duration of scheduled shutdowns are no longer provided.
(Reference: Letter Serial No. 00-070, dated February 11, 2000)

25. If Shut Down at End of Report Period, Estimated Date of Start-up: N/A
Estimated start-up dates are no longer provided.
(Reference: Letter Serial No. 00-070, dated February 11, 2000)

26. Unit In Test Status (Prior to Commercial Operation):

| | <u>FORECAST</u> | <u>ACHIEVED</u> |
|----------------------|-----------------|-----------------|
| INITIAL CRITICALITY | _____ | _____ |
| INITIAL ELECTRICITY | _____ | _____ |
| COMMERCIAL OPERATION | _____ | _____ |

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 02/10/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: January, 2003

| <u>Day</u> | <u>Average Daily Power Level (MWe - Net)</u> | <u>Day</u> | <u>Average Daily Power Level (MWe - Net)</u> |
|------------|--|------------|--|
| 1 | 934 | 17 | 899 |
| 2 | 933 | 18 | 872 |
| 3 | 931 | 19 | 869 |
| 4 | 931 | 20 | 866 |
| 5 | 932 | 21 | 864 |
| 6 | 932 | 22 | 859 |
| 7 | 932 | 23 | 856 |
| 8 | 930 | 24 | 850 |
| 9 | 927 | 25 | 832 |
| 10 | 924 | 26 | 829 |
| 11 | 921 | 27 | 823 |
| 12 | 917 | 28 | 817 |
| 13 | 912 | 29 | 793 |
| 14 | 908 | 30 | 800 |
| 15 | 905 | 31 | 798 |
| 16 | 901 | | |

INSTRUCTIONS

On this format, list the average daily unit power level in MWe - Net for each day in the reporting month. Compute to the nearest whole megawatt.

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 02/10/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: January, 2003

SUMMARY OF OPERATING EXPERIENCE

Page 1 of 1

Listed below in chronological sequence is a summary of operating experiences for this month which required load reductions or resulted in significant non-load related incidents.

| <u>Date</u> | <u>Time</u> | <u>Data</u> |
|------------------|-------------|--|
| January 1, 2003 | 0000 | Began the month in Mode 1, 100% Power, 985 MWe. |
| January 4, 2003 | 2045 | Began End of Life Power Coastdown |
| January 31, 2003 | 2400 | Ended the month with End of Life Power Coastdown in progress. 86.4% Power, 844 MWe. |

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 02/10/03
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

UNIT SHUTDOWN AND POWER REDUCTION
 (EQUAL TO OR GREATER THAN 20%)

REPORT MONTH: January, 2003

| Report No. | Date | (1) Type | Duration Hours | (2) Reason | (3) Method of Shutting Down Reactor | LER No. | (4) System Code | (5) Component Code | Cause & Corrective Action to Prevent Recurrence |
|------------|------|-------------|----------------|---------------|--|---------|--------------------|-----------------------|---|
| | | | | | | | | | |

None during the reporting period

(1)
 F: Forced
 S: Scheduled

(2)
 REASON:
 A - Equipment Failure (Explain)
 B - Maintenance or Test
 C - Refueling
 D - Regulatory Restriction
 E - Operator Training & Licensing Examination
 F - Administrative
 G - Operational Error
 H - Other (Explain)

(3)
 METHOD:
 1 - Manual
 2 - Manual Scram
 3 - Automatic Scram
 4 - Continuations
 5 - Load Reduction
 9 - Other

(4)
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

(5)
 Exhibit H - Same Source

OPERATING DATA REPORT

Docket No.: 50-339
 Date: 02/10/03
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 2
 2. Reporting Period:..... January, 2003
 3. Licensed Thermal Power (MWt): 2,893
 4. Nameplate Rating (Gross MWe):..... 979
 5. Design Electrical Rating (Net MWe): 907
 6. Maximum Dependable Capacity (Gross MWe):.... 963
 7. Maximum Dependable Capacity (Net MWe):..... 917
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: N/A
-

9. Power Level To Which Restricted, If Any (Net MWe): N/A

10. Reasons For Restrictions, If Any: N/A

| | <u>This Month</u> | <u>Year-To-Date</u> | <u>Cumulative</u> |
|---|-------------------|---------------------|-------------------|
| 11. Hours in Reporting Period | 744.0 | 744.0 | 194,016.0 |
| 12. Hours Reactor Was Critical | 29.3 | 29.3 | 163,480.0 |
| 13. Reactor Reserve Shutdown Hours | 31.8 | 31.8 | 7,534.2 |
| 14. Hours Generator On-Line | 0.0 | 0.0 | 162,116.4 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 794.7 | 794.7 | 447,855,944.0 |
| 17. Gross Electrical Energy Generated (MWH) | 0.0 | 0.0 | 147,010,676.0 |
| 18. Net Electrical Energy Generated (MWH) | 0.0 | 0.0 | 140,303,569.0 |
| 19. Unit Service Factor | 0.0% | 0.0% | 83.6% |
| 20. Unit Availability Factor | 0.0% | 0.0% | 83.6% |
| 21. Unit Capacity Factor (Using MDC Net) | 0.0% | 0.0% | 80.3% |
| 22. Unit Capacity Factor (Using DER Net) | 0.0% | 0.0% | 79.7% |
| 23. Unit Forced Outage Rate | 0.0% | 0.0% | 4.1% |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
 Type and duration of scheduled shutdowns are no longer provided.
 (Reference: Letter Serial No. 00-070, dated February 11, 2000)

25. If Shut Down at End of Report Period, Estimated Date of Start-up: 02-03-03
 Estimated start-up dates are no longer provided.
 (Reference: Letter Serial No. 00-070, dated February 11, 2000)

26. Unit In Test Status (Prior to Commercial Operation):

| | <u>FORECAST</u> | <u>ACHIEVED</u> |
|----------------------|-----------------|-----------------|
| INITIAL CRITICALITY | _____ | _____ |
| INITIAL ELECTRICITY | _____ | _____ |
| COMMERCIAL OPERATION | _____ | _____ |

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 02/10/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: January, 2003

| <u>Day</u> | <u>Average Daily Power Level (MWe - Net)</u> | <u>Day</u> | <u>Average Daily Power Level (MWe - Net)</u> |
|------------|--|------------|--|
| 1 | 000 | 17 | 000 |
| 2 | 000 | 18 | 000 |
| 3 | 000 | 19 | 000 |
| 4 | 000 | 20 | 000 |
| 5 | 000 | 21 | 000 |
| 6 | 000 | 22 | 000 |
| 7 | 000 | 23 | 000 |
| 8 | 000 | 24 | 000 |
| 9 | 000 | 25 | 000 |
| 10 | 000 | 26 | 000 |
| 11 | 000 | 27 | 000 |
| 12 | 000 | 28 | 000 |
| 13 | 000 | 29 | 000 |
| 14 | 000 | 30 | 000 |
| 15 | 000 | 31 | 000 |
| 16 | 000 | | |

INSTRUCTIONS

On this format, list the average daily unit power level in MWe - Net for each day in the reporting month. Compute to the nearest whole megawatt.

Docket No : 50-339
Unit Name: North Anna Unit 2
Date: 02/10/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: January, 2003

SUMMARY OF OPERATING EXPERIENCE

Page 1 of 1

Listed below in chronological sequence is a summary of operating experiences for the month which required load reductions or resulted in significant non-load related incidents.

| <u>Date</u> | <u>Time</u> | <u>Data</u> |
|------------------|--------------|---|
| January 1, 2003 | 0000 | Began the month de-fueled |
| January 9, 2003 | 1603 | Entered Mode 6 |
| January 11, 2003 | 0604 | Last fuel assembly in-place |
| January 24, 2003 | 1618 | Entered Mode 5 |
| January 29, 2003 | 0843 1901 | Entered Mode 4 Entered Mode 3 |
| January 30, 2003 | 1628 1840 | Entered Mode 2 Reactor Critical |
| January 31, 2003 | 2400 | Ended the Month with the Reactor Critical |

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 02/10/03
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

UNIT SHUTDOWN AND POWER REDUCTION
 (EQUAL TO OR GREATER THAN 20%)

REPORT MONTH: January, 2003

| Report No | Date | (1) Type | Duration Hours | (2) Reason | (3) Method of Shutting Down Reactor | LER No. | (4) System Code | (5) Component Code | Cause & Corrective Action to Prevent Recurrence |
|------------|----------|-------------|----------------|---------------|--|---------|--------------------|-----------------------|--|
| N2-2002-01 | 02/09/08 | S | 744 hrs. | C/B | 1 | | | | Continuation of refueling / Reactor Vessel Head Replacement Outage |
| | | | | | | | | | |

(1)
 F: Forced
 S: Scheduled

(2)
 REASON:
 A - Equipment Failure (Explain)
 B - Maintenance or Test
 C - Refueling
 D - Regulatory Restriction
 E - Operator Training & Licensing Examination
 F - Administrative
 G - Operational Error
 H - Other (explain)

(3)
 METHOD:
 1 - Manual
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(4)
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