

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 14, 2000

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

Serial No. 00-413
NAPS/JHL
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 July 2000 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
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, Georgia 30303

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

IE24

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT
JULY 2000

Approved:

DALM

Site Vice President

8-11-00

Date

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OPERATING DATA REPORT

Docket No.: 50-338
 Date: 08/05/00
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 1
 2. Reporting Period:..... July 2000
 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): ... 940
 7. Maximum Dependable Capacity (Net MWe): 893
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 | 5,111.0 | 193,811.0 |
| 12. Hours Reactor Was Critical | 744.0 | 4,409.2 | 154,594.4 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 105.3 | 7,239.5 |
| 14. Hours Generator On-Line | 744.0 | 4,325.2 | 151,345.0 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 2,149,907.1 | 11,753,770.3 | 410,710,708.4 |
| 17. Gross Electrical Energy Generated (MWH) | 724,926.0 | 3,985,538.0 | 172,271,681.0 |
| 18. Net Electrical Energy Generated (MWH) | 690,146.0 | 3,788,084.0 | 128,273,784.0 |
| 19. Unit Service Factor | 100.0% | 84.6% | 78.1% |
| 20. Unit Availability Factor | 100.0% | 84.6% | 78.1% |
| 21. Unit Capacity Factor (Using MDC Net) | 103.9% | 83.0% | 74.1% |
| 22. Unit Capacity Factor (Using DER Net) | 102.3% | 81.7% | 73.0% |
| 23. Unit Forced Outage Rate | 0.0% | 2.7% | 7.3% |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A

25. If Shut Down at End of Report Period, Estimated Date of Start-up: N/A

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: 08/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: July, 2000

| <u>Day</u> | <u>Average Daily Power Level (MWe - Net)</u> | <u>Day</u> | <u>Average Daily Power Level (MWe - Net)</u> |
|------------|--|------------|--|
| 1 | 928 | 17 | 927 |
| 2 | 928 | 18 | 926 |
| 3 | 927 | 19 | 926 |
| 4 | 927 | 20 | 928 |
| 5 | 927 | 21 | 928 |
| 6 | 927 | 22 | 928 |
| 7 | 928 | 23 | 928 |
| 8 | 928 | 24 | 928 |
| 9 | 928 | 25 | 928 |
| 10 | 928 | 26 | 928 |
| 11 | 927 | 27 | 929 |
| 12 | 927 | 28 | 928 |
| 13 | 927 | 29 | 929 |
| 14 | 927 | 30 | 929 |
| 15 | 927 | 31 | 928 |
| 16 | 927 | | |

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: 08/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: July, 2000

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> |
|---------------|-------------|---|
| July 1, 2000 | 0000 | Began the month in Mode 1, 100% power, 974 MWe. |
| July 31, 2000 | 2400 | Ended the month in Mode 1, 100% power, 976 MWe. |

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 08/05/00
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: July, 2000

| 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 (Explain)

(3)
 METHOD:
 1 - Manual
 2 - Manual Scram
 3 - Automatic Scram
 4 - Other (Explain)

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

(5)
 Exhibit 1 - Same Source

OPERATING DATA REPORT

Docket No.: 50-339
 Date: 08/05/00
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 2
 2. Reporting Period:..... July, 2000
 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): ... 944
 7. Maximum Dependable Capacity (Net MWe): 897
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 | 5,111.0 | 172,079.0 |
| 12. Hours Reactor Was Critical | 744.0 | 5,078.1 | 146,946.3 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 31.0 | 7,338.6 |
| 14. Hours Generator On-Line | 744.0 | 5,056.4 | 145,664.8 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 2,150,777.5 | 14,566,550.5 | 401,087,804.1 |
| 17. Gross Electrical Energy Generated (MWH) | 717,007.0 | 4,878,570.0 | 131,388,748.0 |
| 18. Net Electrical Energy Generated (MWH) | 682,235.0 | 4,647,581.0 | 125,446,799.0 |
| 19. Unit Service Factor | 100.0% | 98.9% | 84.6% |
| 20. Unit Availability Factor | 100.0% | 98.9% | 84.6% |
| 21. Unit Capacity Factor (Using MDC Net) | 102.2% | 101.4% | 81.1% |
| 22. Unit Capacity Factor (Using DER Net) | 101.1% | 100.3% | 80.4% |
| 23. Unit Forced Outage Rate | 0.0% | 1.1% | 4.4% |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A

25. If Shut Down at End of Report Period, Estimated Date of Start-up: N/A

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

| | FORECAST | ACHIEVED |
|----------------------|----------|----------|
| INITIAL CRITICALITY | | |
| INITIAL ELECTRICITY | | |
| COMMERCIAL OPERATION | | |

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 08/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: July, 2000

| <u>Day</u> | <u>Average Daily Power Level (MWe - Net)</u> | <u>Day</u> | <u>Average Daily Power Level (MWe - Net)</u> |
|------------|--|------------|--|
| 1 | 917 | 17 | 917 |
| 2 | 917 | 18 | 916 |
| 3 | 916 | 19 | 917 |
| 4 | 917 | 20 | 918 |
| 5 | 916 | 21 | 918 |
| 6 | 916 | 22 | 917 |
| 7 | 916 | 23 | 917 |
| 8 | 917 | 24 | 917 |
| 9 | 917 | 25 | 918 |
| 10 | 916 | 26 | 918 |
| 11 | 917 | 27 | 918 |
| 12 | 917 | 28 | 917 |
| 13 | 917 | 29 | 917 |
| 14 | 917 | 30 | 917 |
| 15 | 917 | 31 | 917 |
| 16 | 917 | | |

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: 08/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: July, 2000

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> |
|--------------------|--------------------|---|
| July 1, 2000 | 0000 | Began the month in Mode 1, 100% power, 965 MWe. |
| July 31, 2000 | 2400 | Ended the month in Mode 1, 100% power, 964 MWe. |

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 08/05/00
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: July, 2000

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

None during the reporting period.

(1)
 F: Forced
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(2)
 REASON:
 A - Equipment Failure (Explain)
 B - Maintenance or Test
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