

OPERATING DATA REPORT

DOCKET NO. 50-338
 DATE 02-02-87
 COMPLETED BY Brenda Garner
 TELEPHONE (703) 894-5151 X2527

OPERATING STATUS

1. Unit Name: North Anna 1
2. Reporting Period: January, 1987
3. Licensed Thermal Power (MWt): 2893
4. Nameplate Rating (Gross MWe): 947
5. Design Electrical Rating (Net MWe): 907
6. Maximum Dependable Capacity (Gross MWe): 963
7. Maximum Dependable Capacity (Net MWe): 915
8. If Changes Occur in Capacity Ratings (Items No. 3 thru 7) Since Last Report, Give Reasons:

Changes are due to core uprating

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

| | This Month | Yr.-to-Date | Cumulative |
|--|------------|-------------|-------------|
| 11. Hours In Reporting Period | 744 | 744 | 75,492 |
| 12. Number of Hours Reactor Was Critical | 744 | 744 | 53,614.5 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 6,105.4 |
| 14. Hours Generator On-Line | 744 | 744 | 51,970.7 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 2,151,029 | 2,151,029 | 136,936,793 |
| 17. Gross Electrical Energy Generated (MWH) | 718,620 | 718,620 | 44,846,840 |
| 18. Net Electrical Energy Generated (MWH) | 683,408 | 683,408 | 42,409,095 |
| 19. Unit Service Factor | 100 | 100 | 68.8 |
| 20. Unit Availability Factor | 100 | 100 | 68.8 |
| 21. Unit Capacity Factor (Using MDC Net) | 100.4 | 100.4 | 63.4 |
| 22. Unit Capacity Factor (Using DER Net) | 101.3 | 101.3 | 61.9 |
| 23. Unit Forced Outage Rate | 0 | 0 | 12.7 |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | | | |

Refueling 4-17-87 for 59 days

25. If Shut Down At End Of Report Period, Estimated Date of Startup:
26. Units In Test Status (Prior to Commercial Operation):

Forecast Achieved

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

8702200143 870131
 PDR ADOCK 05000338
 R PDR

JE 24 11

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338

UNIT NA-1

DATE 02-02-87

COMPLETED BY Brenda Garner

TELEPHONE 703-894-5151X2527

MONTH January, 1987

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | <u>923</u> | 17 | <u>923</u> |
| 2 | <u>920</u> | 18 | <u>922</u> |
| 3 | <u>908</u> | 19 | <u>920</u> |
| 4 | <u>913</u> | 20 | <u>922</u> |
| 5 | <u>919</u> | 21 | <u>922</u> |
| 6 | <u>917</u> | 22 | <u>921</u> |
| 7 | <u>903</u> | 23 | <u>922</u> |
| 8 | <u>906</u> | 24 | <u>922</u> |
| 9 | <u>917</u> | 25 | <u>922</u> |
| 10 | <u>908</u> | 26 | <u>921</u> |
| 11 | <u>919</u> | 27 | <u>921</u> |
| 12 | <u>922</u> | 28 | <u>921</u> |
| 13 | <u>922</u> | 29 | <u>922</u> |
| 14 | <u>913</u> | 30 | <u>922</u> |
| 15 | <u>919</u> | 31 | <u>922</u> |
| 16 | <u>922</u> | | |

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.

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET DOCKET NO. 50-338

REPORT MONTH JANUARY UNIT NAME NA-1

YEAR 1987 DATE 02-02-87

COMPLETED BY Brenda Garner

No Entry This Month

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-338

UNIT NAME North Anna 1

DATE 02-02-87

REPORT MONTH JANUARY, 1987

COMPLETED BY Brenda Garner

TELEPHONE (703) 894-5151 X2527

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

No Entry This Month

| | | | |
|--------------|---|-------------------|---------------------------|
| 1 | 2 | 3 | 4 |
| F: Forced | Reason: | Method: | Exhibit F - Instructions |
| S: Scheduled | A-Equipment Failure (Explain) | 1-Manual | for Preparation of Data |
| | B-Maintenance or Test | 2-Manual Scram. | Entry Sheets for Licensee |
| | C-Refueling | 3-Automatic Scram | Event Report (LER) File |
| | D-Regulatory Restriction | 4-Continuations | (NUREG-0161) |
| | E-Operator Training & License Examination | 5-Load Reduction | |
| | F-Administrative | 9-Other | |
| | G-Operational Error (Explain) | | 5 |
| | H-Other (Explain) | | Exhibit H - Same Source |

NORTH ANNA POWER STATION

UNIT NO. 1

MONTH January

SUMMARY OF OPERATING EXPERIENCE

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, 1987 | 0000 | Began this month with Unit at 975 MW - 100% power. |
| January 7, 1987 | 1111 | Commenced rampdown of 100 MW to compensate for reduction of main condenser vacuum. |
| | 1115 | Unit holding at 865MW - 92% power, due to condenser vacuum. |
| | 1145 | Commenced ramp up to 100% power, condenser vacuum was restored to normal. |
| | 1343 | Unit stabilized at 950 MW - 100% power. |
| January 9, 1987 | 2320 | Commenced rampdown of 100 MW to perform Turbine Valve Freedom Test. |
| January 10, 1987 | 0025 | Unit holding at 860 MW - 89% power, to perform Turbine Valve Freedom Test. |
| | 0115 | Commenced ramp up to 100% power, Turbine Valve Freedom Test completed. |
| | 0415 | Unit stabilized at 969 MW - 100% power. |
| January 31, 1987 | 2400 | Ended this month with Unit at 970 MW - 100% power. |

OPERATING DATA REPORT

DOCKET NO. 50-339
DATE 02-02-87
COMPLETED BY Brenda Garner
TELEPHONE (703) 894-5151 X2527

OPERATING STATUS

1. Unit Name: North Anna 2
2. Reporting Period: January, 1987
3. Licensed Thermal Power (MWt): 2893
4. Nameplate Rating (Gross MWe): 947
5. Design Electrical Rating (Net MWe): 907
6. Maximum Dependable Capacity (Gross MWe): 963
7. Maximum Dependable Capacity (Net MWe): 915
8. If Changes Occur in Capacity Ratings (Items No. 3 thru 7) Since Last Report, Give Reasons:

Changes are due to Core uprating

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

| | This Month | Yr.-to-Date | Cumulative |
|--|------------|-------------|-------------|
| 11. Hours In Reporting Period | 744 | 744 | 53,760 |
| 12. Number of Hours Reactor Was Critical | 744 | 744 | 42,370.1 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 5,639.8 |
| 14. Hours Generator On-Line | 744 | 744 | 41,614.5 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 2,150,712 | 2,150,712 | 108,462,908 |
| 17. Gross Electrical Energy Generated (MWH) | 716,045 | 716,045 | 35,950,122 |
| 18. Net Electrical Energy Generated (MWH) | 680,936 | 680,936 | 34,085,835 |
| 19. Unit Service Factor | 100 | 100 | 77.4 |
| 20. Unit Availability Factor | 100 | 100 | 77.4 |
| 21. Unit Capacity Factor (Using MDC Net) | 100 | 100 | 70.3 |
| 22. Unit Capacity Factor (Using DER Net) | 100.9 | 100.9 | 69.9 |
| 23. Unit Forced Outage Rate | 0 | 0 | 10.5 |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | | | |

25. If Shut Down At End Of Report Period, Estimated Date of Startup:
26. Units 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 NA-2
DATE 02-02-87
COMPLETED BY Brenda Garner
TELEPHONE 703-894-5151X2527

MONTH January, 1987

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | <u>917</u> | 17 | <u>915</u> |
| 2 | <u>915</u> | 18 | <u>915</u> |
| 3 | <u>917</u> | 19 | <u>915</u> |
| 4 | <u>917</u> | 20 | <u>917</u> |
| 5 | <u>916</u> | 21 | <u>918</u> |
| 6 | <u>916</u> | 22 | <u>918</u> |
| 7 | <u>916</u> | 23 | <u>918</u> |
| 8 | <u>916</u> | 24 | <u>909</u> |
| 9 | <u>916</u> | 25 | <u>912</u> |
| 10 | <u>914</u> | 26 | <u>917</u> |
| 11 | <u>913</u> | 27 | <u>916</u> |
| 12 | <u>913</u> | 28 | <u>916</u> |
| 13 | <u>914</u> | 29 | <u>916</u> |
| 14 | <u>915</u> | 30 | <u>916</u> |
| 15 | <u>913</u> | 31 | <u>915</u> |
| 16 | <u>915</u> | | |

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.

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET DOCKET NO. 50-339

REPORT MONTH January UNIT NAME NA-2

YEAR 1987 DATE 02-02-87

COMPLETED BY Brenda Garner

No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

| | |
|--------------|----------------------|
| DOCKET NO. | 50-339 |
| UNIT NAME | North Anna 2 |
| DATE | 02-02-87 |
| COMPLETED BY | Brenda Garner |
| TELEPHONE | (703) 894-5151 X2527 |

REPORT MONTH January

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

No entry this month.

| | | | |
|--------------|---|-------------------|---------------------------|
| 1 | 2 | 3 | 4 |
| F: Forced | Reason: | Method: | Exhibit F - Instructions |
| S: Scheduled | A-Equipment Failure (Explain) | 1-Manual | for Preparation of Data |
| | B-Maintenance or Test | 2-Manual Scram. | Entry Sheets for Licensee |
| | C-Refueling | 3-Automatic Scram | Event Report (LER) File |
| | D-Regulatory Restriction | 4-Continuations | (NUREG-0161) |
| | E-Operator Training & License Examination | 5-Load Reduction | |
| | F-Administrative | 9-Other | |
| | G-Operational Error (Explain) | | 5 |
| | H-Other (Explain) | | Exhibit H - Same Source |

NORTH ANNA POWER STATION

UNIT NO. 2

MONTH January

SUMMARY OF OPERATING EXPERIENCE

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, 1987 | 0000 | Began this month with Unit at 960 MW - 100% power. |
| January 23, 1987 | 2200 | Commenced rampdown of 100 MW to perform Turbine Valve Freedom Test. |
| | 2229 | Unit holding at 860 MW - 89% power to perform Turbine Valve Freedom Test. |
| January 25, 1987 | 0050 | Commenced ramp up to 100% power, Turbine Valve Freedom Test completed. |
| | 0145 | Unit stabilized at 962 MW - 100% power. |
| January 31, 1987 | 2400 | Ended this month with Unit at 962 MW - 100% power. |

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

February 13, 1987

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

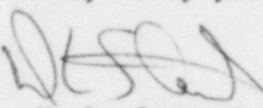
Serial No. 87-075
NO/DJV:jmj
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 AND 2
MONTHLY OPERATING REPORT

Enclosed is the Monthly Operating Report for North Anna Power Station Units 1 and 2 for the month of January 1987.

Very truly yours,



W. L. Stewart

Enclosures

cc: USNRC
101 Marietta Street, NW
Suite 2900
Atlanta, GA 30323

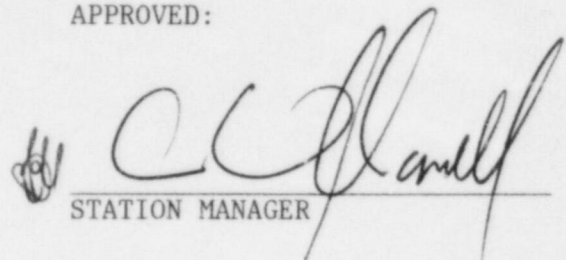
Mr. J. L. Caldwell
NRC Senior Resident Inspector
North Anna Power Station

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VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH January YEAR 1987

APPROVED:


STATION MANAGER