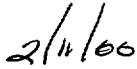


**VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION  
MONTHLY OPERATING REPORT  
JANUARY 2000**

Approved:

  
\_\_\_\_\_  
Site Vice President

  
\_\_\_\_\_  
Date

## OPERATING DATA REPORT

Docket No.: 50-338  
 Date: 02/05/00  
 Contact: W. R. Matthews  
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 1
2. Reporting Period:..... January 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

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

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

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	This Month	Year-To-Date	Cumulative
11. Hours in Reporting Period	744.0	744.0	189,444.0
12. Hours Reactor Was Critical	744.0	744.0	150,929.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,134.2
14. Hours Generator On-Line	744.0	744.0	147,763.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,112,072.4	2,112,072.4	401,069,010.5
17. Gross Electrical Energy Generated (MWH)	716,883.0	716,883.0	169,003,026.0
18. Net Electrical Energy Generated (MWH)	683,102.0	683,102.0	125,168,802.0
19. Unit Service Factor	100.0%	100.0%	78.0%
20. Unit Availability Factor	100.0%	100.0%	78.0%
21. Unit Capacity Factor (Using MDC Net)	102.8%	102.8%	73.9%
22. Unit Capacity Factor (Using DER Net)	101.2%	101.2%	72.8%
23. Unit Forced Outage Rate	0.0%	0.0%	7.4%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): March 2000  
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: \_\_\_\_\_
  
26. Unit In Test Status (Prior to Commercial Operation):

	FORECAST	ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

## AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-338  
Unit Name: North Anna Unit 1  
Date: 02/05/00  
Contact: W. R. Matthews  
Telephone: (540) 894-2101

MONTH: January, 2000

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	936	17	933
2	936	18	932
3	936	19	929
4	936	20	926
5	937	21	921
6	938	22	918
7	937	23	915
8	936	24	907
9	937	25	889
10	936	26	887
11	935	27	884
12	936	28	877
13	936	29	863
14	934	30	862
15	929	31	861
16	926		

### 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: 02/05/00  
Contact: W. R. Matthews  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**

**UNIT NO.: 1**  
**MONTH: January, 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.

<b><u>Date</u></b>	<b><u>Time</u></b>	<b><u>Data</u></b>
January 1, 2000	0000	Began the month in Mode 1, 100% power, 980 MWe.
January 13, 2000	2057	Began end of life power coastdown.
January 31, 2000	2400	Ended the month with an end of life power coastdown in progress, 92.2% power, 907 MWe.

Docket No.: 50-338  
 Unit Name: North Anna Unit 1  
 Date: 02/05/00  
 Contact: W. R. Matthews  
 Telephone: (540) 894-2101

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

REPORT MONTH: January, 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: 02/05/00  
 Contact: W. R. Matthews  
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 2
2. Reporting Period:..... January, 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	744.0	167,712.0
12. Hours Reactor Was Critical	744.0	744.0	142,612.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,307.6
14. Hours Generator On-Line	744.0	744.0	141,352.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,142,003.3	2,142,003.3	388,663,256.9
17. Gross Electrical Energy Generated (MWH)	721,271.0	721,271.0	127,231,449.0
18. Net Electrical Energy Generated (MWH)	687,712.0	687,712.0	121,486,930.0
19. Unit Service Factor	100.0%	100.0%	84.3%
20. Unit Availability Factor	100.0%	100.0%	84.3%
21. Unit Capacity Factor (Using MDC Net)	103.0%	103.0%	80.6%
22. Unit Capacity Factor (Using DER Net)	101.9%	101.9%	79.9%
23. Unit Forced Outage Rate	0.0%	0.0%	4.5%

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

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25. If Shut Down at End of Report Period, Estimated Date of Start-up: \_\_\_\_\_

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: 02/05/00  
Contact: W. R. Matthews  
Telephone: (540) 894-2101

MONTH: January, 2000

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	929	17	927
2	928	18	928
3	928	19	928
4	928	20	928
5	928	21	928
6	826	22	928
7	922	23	929
8	928	24	929
9	928	25	928
10	928	26	927
11	928	27	927
12	928	28	928
13	927	29	927
14	934	30	927
15	929	31	926
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.: 50-339  
Unit Name: North Anna Unit 2  
Date: 02/05/00  
Contact: W. R. Matthews  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**

**UNIT NO.: 2**  
**MONTH: January, 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.

<b><u>Date</u></b>	<b><u>Time</u></b>	<b><u>Data</u></b>
January 1, 2000	0000	Began the month in Mode 1, 100% power, 973 MWe.
January 5, 2000	2306	Commenced ramp down from 100% power to remove 2-SD-P-2A and 2-CN-P-1C from service for maintenance.
January 6, 2000	0030	Stabilized power at 88.5%, 872 MWe.
January 7, 2000	0300	Completed maintenance on 2-CN-P-1C and ramped up to 100% power, 971 MWe.
January 31, 2000	2400	Ended the month in Mode 1, 100% power, 970 MWe.



Docket No.: 50-339  
 Unit Name: North Anna Unit 2  
 Date: 02/05/00  
 Contact: W. R. Matthews  
 Telephone: (540) 894-2101

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

REPORT MONTH: January, 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  
 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)

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 Exhibit G - Instructions for Preparation of Data Entry Sheets  
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