

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 12, 2001

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

Serial No. 01-015
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 December 2000 Monthly Operating Report for North Anna Power Station Units 1 and 2.

Very truly yours,



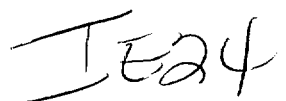
D. A. Heacock
Site Vice President

Enclosure

Commitments made in this letter: None.

cc: U. S. Nuclear Regulatory Commission
Region II
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

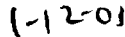


**VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT
DECEMBER 2000**

Approved:



Site Vice President



Date



OPERATING DATA REPORT

Docket No.: 50-338
 Date: 01/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 1
 2. Reporting Period: December 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	8,784.0	197,484.0
12. Hours Reactor Was Critical	744.0	8,082.2	158,267.4
13. Reactor Reserve Shutdown Hours	0.0	105.3	7,239.5
14. Hours Generator On-Line	744.0	7,998.2	155,018.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,149,007.4	22,364,904.5	421,321,842.6
17. Gross Electrical Energy Generated (MWH)	728,818.0	7,578,573.0	175,864,716.0
18. Net Electrical Energy Generated (MWH)	695,208.0	7,213,077.0	131,698,777.0
19. Unit Service Factor	100.0%	91.1%	78.5%
20. Unit Availability Factor	100.0%	91.1%	78.5%
21. Unit Capacity Factor (Using MDC Net)	104.6%	92.0%	74.6%
22. Unit Capacity Factor (Using DER Net)	103.0%	90.5%	73.5%
23. Unit Forced Outage Rate	0.0%	1.5%	7.1%

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.: 50-338
Unit Name: North Anna Unit 1
Date: 01/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: December, 2000

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	937	17	934
2	936	18	934
3	936	19	935
4	936	20	935
5	934	21	935
6	935	22	935
7	935	23	935
8	934	24	935
9	934	25	934
10	935	26	935
11	934	27	934
12	934	28	934
13	935	29	934
14	934	30	934
15	934	31	934
16	929		

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: 01/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: December, 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>
December 1, 2000	0000	Began the month in Mode 1, 100% power, 981 MWe.
December 15, 2000	2307	Commenced ramp down to perform Turbine Valve Freedom Testing (TVFT).
December 16, 2000	0007	Stopped ramped down at 90.8% power, 895 MWe.
December 16, 2000	0113	Commenced Unit 1 ramp up to 100% power.
December 16, 2000	0330	Unit 1 at 100% power, 978 MWe.
December 16, 2000	0425	TVFT was completed satisfactorily.
December 31, 2000	2400	Ended the month in Mode 1, 100% power, 980 MWe.

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 01/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: December, 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: 01/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 2
2. Reporting Period: December, 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	8,784.0	175,752.0
12. Hours Reactor Was Critical	744.0	8,751.1	150,619.3
13. Reactor Reserve Shutdown Hours	0.0	31.0	7,338.6
14. Hours Generator On-Line	744.0	8,729.4	149,337.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,151,023.6	25,147,709.6	411,668,963.2
17. Gross Electrical Energy Generated (MWH)	721,937.0	8,418,090.0	134,928,268.0
18. Net Electrical Energy Generated (MWH)	688,200.0	8,018,853.0	128,818,071.0
19. Unit Service Factor	100.0%	99.4%	85.0%
20. Unit Availability Factor	100.0%	99.4%	85.0%
21. Unit Capacity Factor (Using MDC Net)	103.1%	101.8%	81.5%
22. Unit Capacity Factor (Using DER Net)	102.0%	100.6%	80.8%
23. Unit Forced Outage Rate	0.0%	0.6%	4.3%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): March 2001

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

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: 01/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: December, 2000

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	927	17	925
2	926	18	926
3	927	19	925
4	925	20	925
5	925	21	926
6	925	22	925
7	925	23	925
8	925	24	925
9	919	25	926
10	925	26	925
11	925	27	926
12	924	28	925
13	925	29	925
14	925	30	925
15	925	31	925
16	925		

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: 01/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: December, 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>
December 1, 2000	0000	Began the month in Mode 1, 100% power, 974 MWe.
December 8, 2000	2316	Commenced ramp down to perform Turbine Valve Freedom Testing (TVFT).
December 9, 2000	0023	Stopped ramped down at 90% power, 880 MWe.
December 9, 2000	0119	Commenced Unit 2 ramp up to 100% power.
December 9, 2000	0245	Unit 2 at 100% power, 965 MWe.
December 9, 2000	0358	TVFT was completed satisfactorily.
December 31, 2000	2400	Ended the month in Mode 1, 100% power, 971 MWe.

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 01/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: December, 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
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