

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

February 12, 2001

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

Serial No. 01-092
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 January 2001 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

IE24

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT
JANUARY 2001

Approved:

DAM

Site Vice President

2-12-01

Date

ek

OPERATING DATA REPORT

Docket No.: 50-338
 Date: 02/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 1
2. Reporting Period: January 2001
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

	This Month	Year-To-Date	Cumulative
11. Hours in Reporting Period	744.0	744.0	198,228.0
12. Hours Reactor Was Critical	744.0	744.0	159,011.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,239.5
14. Hours Generator On-Line	744.0	744.0	155,762.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,148,958.0	2,148,958.0	423,470,800.6
17. Gross Electrical Energy Generated (MWH)	728,521.0	728,521.0	176,593,237.0
18. Net Electrical Energy Generated (MWH)	694,653.0	694,653.0	132,393,430.0
19. Unit Service Factor	100.0%	100.0%	78.6%
20. Unit Availability Factor	100.0%	100.0%	78.6%
21. Unit Capacity Factor (Using MDC Net)	100.9%	100.9%	74.7%
22. Unit Capacity Factor (Using DER Net)	102.9%	102.9%	73.6%
23. Unit Forced Outage Rate	0.0%	0.0%	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: 02/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: January, 2001

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	935	17	935
2	934	18	934
3	934	19	934
4	934	20	935
5	932	21	934
6	933	22	934
7	934	23	934
8	934	24	935
9	934	25	934
10	935	26	934
11	935	27	922
12	935	28	934
13	935	29	934
14	934	30	934
15	934	31	934
16	934		

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: 02/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: January, 2001

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, 2001	0000	Began the month in Mode 1, 100% power, 980 MWe.
January 27, 2001	0021	Commenced ramp down to perform repairs on extraction steam non-return valve 1-ES-NRV-101B due to a steam leak.
	0121	Stabilized power at 97%, 965 MWe.
	0351	Hand torqued 1-ES-NRV-101B closed.
	0400	Commenced ramp up to 100% power.
	0437	Unit 1 at 100% power, 964 MWe.
January 31, 2001	2400	Ended the month in Mode 1, 100% power, 977 MWe.

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 02/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: January, 2001

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: 02/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 2
 2. Reporting Period: January, 2001
 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

	This Month	Year-To-Date	Cumulative
11. Hours in Reporting Period	744.0	744.0	176,496.0
12. Hours Reactor Was Critical	713.3	713.3	151,332.6
13. Reactor Reserve Shutdown Hours	30.1	30.1	7,368.7
14. Hours Generator On-Line	710.3	710.3	150,048.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,992,221.1	1,992,221.1	413,661,184.3
17. Gross Electrical Energy Generated (MWH)	667,589.0	667,589.0	135,595,857.0
18. Net Electrical Energy Generated (MWH)	635,356.0	635,356.0	129,453,427.0
19. Unit Service Factor	95.5%	95.5%	85.0%
20. Unit Availability Factor	95.5%	99.5%	85.0%
21. Unit Capacity Factor (Using MDC Net)	93.1%	93.1%	81.6%
22. Unit Capacity Factor (Using DER Net)	94.2%	94.2%	80.9%
23. Unit Forced Outage Rate	4.5%	4.5%	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):

	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 02/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: January, 2001

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	925	17	918
2	925	18	915
3	925	19	558
4	925	20	000
5	925	21	496
6	924	22	887
7	923	23	889
8	924	24	889
9	924	25	893
10	924	26	891
11	925	27	886
12	925	28	875
13	924	29	874
14	923	30	864
15	921	31	858
16	920		

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: 02/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: January, 2001

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, 2001	0000	Began the month in Mode 1, 100% power, 971 MWe.
January 12, 2001	1014	Began end of life power coastdown.
January 19, 2001	1145	Commenced ramping unit off line due to reactor coolant system (RCS) identified leakage exceeding the Technical Specification (TS) 3.4.6.2 leakage limit.
	1711	The main generator was removed from service.
	1735	Entered Mode 2.
	1747	Entered Mode 3.
	2145	RCS identified leakage was reduced below the TS 3.4.6.2 leakage limit when the "C" reactor coolant loop bypass valve, 2-RC-MOV-2587, was positioned on its backseat. The packing on 2-RC-MOV-2587 was subsequently replaced.
January 20, 2001	2353	Entered Mode 2.
January 21, 2001	0032	Reactor critical.
	0110	Entered Mode 1.
	0254	Placed Unit 2 on line and commenced ramp up.
January 25, 2001	0000	Unit 2 is at 96.7% power, 939 MWe.
January 31, 2001	2400	Ended the month in Mode 1, 93.1% power, 901 MWe in an end of life power coastdown.

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 02/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: January, 2001

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
2001-001	1/19/01	F	33.7	A	1	N2-2001-00	AB	ISV	The increase in identified RCS leakage was the result of the "C" reactor coolant loop bypass valve leaking past the valve stem packing material due to to aging of the packing material. The valve was placed on its backseat to stop the leakage. The valve stem packing material was subsequently replaced.

(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
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