

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 12, 2003

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

Serial No. 03-443
NAPS/JRP
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, 2003, 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

JE24

**VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT
JULY 2003**

Approved:

DAK

Site Vice President

8-13-03

Date

OPERATING DATA REPORT

Docket No.: 50-338
 Date: 08/12/03
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 1
2. Reporting Period:..... July, 2003
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

	<u>This Month</u>	<u>Year-To-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	744.0	5,087.0	220,091.0
12. Hours Reactor Was Critical	744.0	3,567.6	178,623.4
13. Reactor Reserve Shutdown Hours	0.0	306.9	7,582.1
14. Hours Generator On-Line	744.0	3,528.3	175,317.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,150,413.1	9,673,086.5	478,384,146.8
17. Gross Electrical Energy Generated (MWH)	725,536.0	3,270,215.0	195,203,830.0
18. Net Electrical Energy Generated (MWH)	689,579.0	3,102,085.0	150,085,987.0
19. Unit Service Factor	100.0%	69.4%	79.7%
20. Unit Availability Factor	100.0%	69.4%	79.7%
21. Unit Capacity Factor (Using MDC Net)	100.2%	65.9%	76.0%
22. Unit Capacity Factor (Using DER Net)	102.2%	67.2%	75.2%
23. Unit Forced Outage Rate	0.0%	6.7%	6.4%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
 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
 Estimated start-up dates are no longer provided.
 (Reference: Letter Serial No. 00-070, dated February 11, 2000)

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: 08/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: July, 2003

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	929	17	927
2	929	18	927
3	930	19	927
4	929	20	926
5	929	21	926
6	928	22	925
7	928	23	926
8	928	24	926
9	928	25	926
10	929	26	926
11	928	27	926
12	929	28	922
13	928	29	920
14	928	30	924
15	927	31	925
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

Date: 08/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1

MONTH: July, 2003

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, 2003	0000	Began the month in Mode 1, 100% power, 977 Mwe.
July 28, 2003	1810	Commence ramp from 100% power, 975 Mwe. IAW 1-OP-2.2 to stabilize condenser vacuum; 1-CW-P-1A tripped; Ramped to 99% power, 960 Mwe.
July 29, 2003	1001	Commence ramp to 100%. Currently 99% power, 960 Mwe.
	1213	Unit @ 100% power, 970 Mwe.
July 31, 2003	2400	Ended the month in Mode 1, 100% power, 970 MWe.

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 08/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

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

REPORT MONTH: July, 2003

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

No entries for this 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: 08/12/03
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 2
2. Reporting Period: July, 2003
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
-

	<u>This Month</u>	<u>Year-To-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	744.0	5,087.0	198,359.0
12. Hours Reactor Was Critical	744.0	4,359.1	167,809.8
13. Reactor Reserve Shutdown Hours	0.0	44.6	7,547.0
14. Hours Generator On-Line	744.0	4,278.1	166,394.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,150,670.3	12,266,688.9	460,121,838.2
17. Gross Electrical Energy Generated (MWH)	716,720.0	4,086,585.0	151,097,261.0
18. Net Electrical Energy Generated (MWH)	681,256.0	3,886,468.0	144,190,037.0
19. Unit Service Factor	100.0%	84.1%	83.9%
20. Unit Availability Factor	100.0%	84.1%	83.9%
21. Unit Capacity Factor (Using MDC Net)	99.9%	83.3%	80.7%
22. Unit Capacity Factor (Using DER Net)	101.0%	84.2%	80.1%
23. Unit Forced Outage Rate	0.0%	0.5%	4.0%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
 Type and duration of scheduled shutdowns are no longer provided.
 (Reference: Letter Serial No. 00-070, dated February 11, 2000)
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25. If Shut Down at End of Report Period, Estimated Date of Start-up: N/A
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	<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: 08/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: July, 2003

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	917	17	914
2	919	18	914
3	918	19	914
4	919	20	914
5	917	21	914
6	917	22	915
7	916	23	914
8	917	24	916
9	916	25	915
10	916	26	915
11	916	27	915
12	916	28	915
13	914	29	915
14	915	30	916
15	916	31	916
16	914		

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: 08/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: July, 2003

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, 2003	0000	Began the month in Mode 1, 100% power, 967 MWe.
July 18, 2003	2127	Commence unit ramp-down from 100% power, 956 MWe, to approx. 97% power for GOV-4 valve adjustment.
	2138	Stopped ramp @ 98% power, 938 Mwe.
	2157	GOV-4 valve adjustment complete.
	2207	Commence ramp to 100%.
	2327	Unit @ 100% power, 957 Mwe.
July 31, 2003	2400	Ended the Month in Mode 1, 100% power, 955 Mwe.

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 08/12/03
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: July, 2003

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