

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

November 10, 2004

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

Serial No. 04-698
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 October, 2004, Monthly Operating Report for North Anna Power Station Units 1 and 2.

Sincerely,



J. M. Davis
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. T. Widmann
NRC Senior Resident Inspector
North Anna Power Station

IE24

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

OCTOBER 2004

Approved:



Site Vice President



Date

OPERATING DATA REPORT

Docket No.: 50-338
 Date: 11/10/04
 Contact: J. M. Davis
 Telephone: (540) 894-2101

- 1. Unit Name: North Anna Unit 1
- 2. Reporting Period:..... October, 2004
- 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	745.0	7,320.0	231,084.0
12. Hours Reactor Was Critical	619.4	6,607.4	188,903.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,582.1
14. Hours Generator On-Line	604.1	6,560.0	185,550.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,666,573.4	18,861,371.8	507,863,687.2
17. Gross Electrical Energy Generated (MWH)	562,825.0	6,369,127.0	205,164,420.0
18. Net Electrical Energy Generated (MWH)	535,010.0	6,057,362.0	159,561,180.0
19. Unit Service Factor	81.1%	89.6%	80.3%
20. Unit Availability Factor	81.1%	89.6%	80.3%
21. Unit Capacity Factor (Using MDC Net)	77.6%	89.5%	76.9%
22. Unit Capacity Factor (Using DER Net)	79.2%	91.2%	76.1%
23. Unit Forced Outage Rate	0.0%	0.0%	6.2%

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):

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

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 11/10/04
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: October, 2004

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	000	17	934
2	000	18	934
3	000	19	933
4	000	20	934
5	000	21	934
6	022	22	934
7	204	23	934
8	647	24	934
9	856	25	934
10	919	26	934
11	928	27	935
12	931	28	935
13	935	29	935
14	935	30	935
15	933	31	934
16	933		

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: 11/10/04
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1

MONTH: October, 2004

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>
October 1, 2004	0000	Began the month in Mode 5
October 4, 2004	1643	Entered Mode 4
October 5, 2004	0235	Entered Mode 3
October 6, 2004	0345	Entered Mode 2
	0538	Reactor Critical
	1723	Entered Mode 1
	2052	Placed Unit on-line
	2242	Stabilized Power @ 29%, 225 MWe.
October 7, 2004	2133	Commence ramp to 75%
	2200	Stabilized Power @ 40%, then continued ramping @ 4% per hour.
October 8, 2004	0750	Stabilized Power @ 74% for flux map
	1746	Commence ramp to 90%, currently 735 MWe.
October 9, 2004	0000	Currently 77% Power, 770 MWe.
	0020	Commence ramping to 95% Power, currently 77.6% Power, 770 MWe.
	0426	Holding ramp @ 90% Power, 880 MWe. for Calorimetric.
	0618	Recommence ramp to 96%
	0905	Stable @ 96% Power
	1434	Power reduced to 95% for Secondary Plant repairs
	2320	Commence increasing Power from 95.5%, 908 MWe. to 98%
October 10, 2004	0000	Power Level 97% and continuing to increase
	1549	Unit @ 100% Power, 980 MWe.
October 31, 2004	2359	Ended the month in Mode 1, 100% Power, 981 MWe.

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 11/10/04
 Contact: J. M. Davis
 Telephone: (540) 894-2101

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

REPORT MONTH: October, 2004

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
N1-2004-02	04/09/12	S	140.9	C	4				Continuation of scheduled Refueling Outage

(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: 11/10/04
 Contact: J. M. Davis
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 2
2. Reporting Period:..... October, 2004
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	745.0	7,320.0	209,352.0
12.	Hours Reactor Was Critical	745.0	6,631.4	178,114.2
13.	Reactor Reserve Shutdown Hours	0.0	0.0	7,547.0
14.	Hours Generator On-Line	745.0	6,614.4	176,681.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,153,043.2	19,029,348.6	489,755,607.8
17.	Gross Electrical Energy Generated (MWH)	717,041.0	6,352,652.0	160,998,021.0
18.	Net Electrical Energy Generated (MWH)	682,660.0	6,042,246.0	153,608,569.0
19.	Unit Service Factor	100.0%	90.4%	84.4%
20.	Unit Availability Factor	100.0%	90.4%	84.4%
21.	Unit Capacity Factor (Using MDC Net)	99.9%	90.0%	81.4%
22.	Unit Capacity Factor (Using DER Net)	101.0%	91.0%	80.9%
23.	Unit Forced Outage Rate	0.0%	0.3%	3.8%

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.
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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: 11/10/04
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: October, 2004

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	915	17	919
2	915	18	919
3	914	19	910
4	913	20	910
5	915	21	918
6	915	22	920
7	916	23	920
8	916	24	920
9	918	25	920
10	919	26	920
11	920	27	920
12	895	28	920
13	906	29	920
14	918	30	920
15	918	31	919
16	919		

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: 11/10/04
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: October, 2004

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>
October 1, 2004	0000	Began the month in Mode 1, 100% Power, 964 MWe.
October 12, 2004	0615	Commence ramp-down to stabilize condenser vacuum during water-box tube repairs. Stabilized @ 97% power, 925 MWe.
	1515	Commence ramp up to 100% Power
	1639	Secured ramp @ 100% Power, 948 MWe.
October 31, 2004	2359	Ended the Month in Mode 1, 100% Power, 963 MWe.

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 11/10/04
 Contact: J. M. Davis
 Telephone: (540) 894-2101

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

REPORT MONTH: October, 2004

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
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