


VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH JULY YEAR 1979

SUBMITTED:



SUPERINTENDENT - OPERATIONS

APPROVED:



MANAGER

561 356

7 908 130 355

OPERATING DATA REPORT

DOCKET NO. 50-338
 DATE 08-01-79
 COMPLETED BY W. R. Madison
 TELEPHONE 703-894-5151

OPERATING STATUS

<p>1. Unit Name: <u>North Anna, Unit 1</u></p> <p>2. Reporting Period: <u>July 1979</u></p> <p>3. Licensed Thermal Power (MWt): <u>2775</u></p> <p>4. Nameplate Rating (Gross MWe): <u>947</u></p> <p>5. Design Electrical Rating (Net MWe): <u>907</u></p> <p>6. Maximum Dependable Capacity (Gross MWe): <u>928</u></p> <p>7. Maximum Dependable Capacity (Net MWe): <u>898</u></p> <p>8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: <u>N/A</u></p> <p>9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u></p> <p>10. Reasons For Restrictions, If Any: <u>N/A</u></p>	<p>Notes</p>
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	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5,088	10,105
12. Number Of Hours Reactor Was Critical	744	4,152.2	9,199
13. Reactor Reserve Shutdown Hours	0	11.8	11.8
14. Hours Generator On-Line	744	4,075.2	8,726.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,987,339	10,904,234	23,101,029
17. Gross Electrical Energy Generated (MWH)	620,228	3,466,755	7,367,192
18. Net Electrical Energy Generated (MWH)	585,439	3,270,187	6,934,767
19. Unit Service Factor	100	80.1	86.4
20. Unit Availability Factor	100	80.1	86.4
21. Unit Capacity Factor (Using MDC Net)	87.6	71.6	76.4
22. Unit Capacity Factor (Using DER Net)	86.4	70.9	75.7
23. Unit Forced Outage Rate	0	18.9	10.3
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling; September, October, November and December; 12 weeks</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338
UNIT NA 1
DATE 08-01-79
COMPLETED BY W. R. Madison
TELEPHONE 703-894-5151

MONTH July 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>822</u>
2	<u>826</u>
3	<u>821</u>
4	<u>826</u>
5	<u>826</u>
6	<u>824</u>
7	<u>822</u>
8	<u>820</u>
9	<u>823</u>
10	<u>821</u>
11	<u>820</u>
12	<u>820</u>
13	<u>818</u>
14	<u>774</u>
15	<u>630</u>
16	<u>814</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>814</u>
18	<u>814</u>
19	<u>818</u>
20	<u>814</u>
21	<u>810</u>
22	<u>815</u>
23	<u>813</u>
24	<u>812</u>
25	<u>816</u>
26	<u>815</u>
27	<u>474</u>
28	<u>449</u>
29	<u>804</u>
30	<u>808</u>
31	<u>808</u>

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.

(9/77)

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY 1979

DOCKET NO. 50-338
 UNIT NAME North Anna 1
 DATE August 1, 1979
 COMPLETED BY A. G. Neuffer
 TELEPHONE 703-894-5151 x229

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
79-12	790714	NA	NA	A*	NA				Significant Power Reduction of >20% of the average daily power level.*
79-13	790727	NA	NA	A*	NA				Significant Power Reduction of >20% of the average daily power level.*

¹ F: Forced
S: Scheduled

² Reason:
A-Equipment Failure (Explain)
B-Maintenance of Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (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 I - Same Source

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(9/77)

*SEE ATTACHED SHEET

POOR ORIGINAL

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET

DOCKET NO. 50-338REPORT MONTH JulyUNIT NAME North Anna 1YEAR 1979DATE August 1, 1979COMPLETED BY A.G.Neuffer

- 79-12 (A) The Unit was brought down to 100 Megawatts and 15% power for work on "C" main feedwater pump, P. T. 73.1 main steam trip valve trip test and testing for condenser tube leaks. Upon completion of the maintenance and testing power escalation was restricted due to Delta Flux and Quadrant Power TILT ratios above normal. At 0930 on July 15, 1979, the unit was returned to 100% of full power.
- 79-13 A The unit was ramped down to 15% power and 100 megawatts due to a blown packing gland on "A" main feed regular valve FCV-1478-A. While down, condenser tube leaks were repaired. Return to power was limited due to Delta - Flux penalty points restricting power to <50% for 24 hours.

DO NOT WRITE

561 360