


VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH February YEAR 1979

SUBMITTED:



SUPERINTENDENT - STATION OPERATIONS

APPROVED:



MANAGER

7903190178

OPERATING DATA REPORT

DOCKET NO. 50-338
 DATE March 2, 1979
 COMPLETED BY W. R. Madison
 TELEPHONE 703-894-5151

OPERATING STATUS

1. Unit Name: North Anna
 2. Reporting Period: February 1979
 3. Licensed Thermal Power (MWt): 2775
 4. Nameplate Rating (Gross MWe): 947
 5. Design Electrical Rating (Net MWe): 907
 6. Maximum Dependable Capacity (Gross MWe): 928
 7. Maximum Dependable Capacity (Net MWe): 898
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): N/A
 10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>672</u>	<u>1,416</u>	<u>6,433</u>
12. Number Of Hours Reactor Was Critical	<u>609.5</u>	<u>1,250.2</u>	<u>5,937</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>600.3</u>	<u>1,241</u>	<u>5,892.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,601,344</u>	<u>3,311,509</u>	<u>15,508,304</u>
17. Gross Electrical Energy Generated (MWH)	<u>509,720</u>	<u>1,054,185</u>	<u>4,954,622</u>
18. Net Electrical Energy Generated (MWH)	<u>480,460</u>	<u>993,870</u>	<u>4,658,450</u>
19. Unit Service Factor	<u>89.3</u>	<u>87.6</u>	<u>91.6</u>
20. Unit Availability Factor	<u>89.3</u>	<u>87.6</u>	<u>91.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>79.6</u>	<u>78.2</u>	<u>80.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>78.8</u>	<u>77.4</u>	<u>79.8</u>
23. Unit Forced Outage Rate	<u>1.2</u>	<u>8.2</u>	<u>2.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Snubber Inspection March 1979, 1 week

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

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338
 UNIT NA 1
 DATE March 2, 1979
 COMPLETED BY W. R. Madison
 TELEPHONE 703-894-5151

MONTH February 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
	0		
1		17	808
2	0	18	806
3	148	19	808
4	778	20	805
5	806	21	808
6	802	22	812
7	803	23	816
8	810	24	737
9	810	25	551
10	809	26	818
11	810	27	823
12	809	28	819
13	807	29	
14	809	30	
15	803	31	
16	799		

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February 1979

DOCKET NO. 50-338
 UNIT NAME North Anna
 DATE 3-1-79
 COMPLETED BY A.G. Neuffer
 TELEPHONE 703-894-5151 x 229

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
79-1	790127	F	64.4	A	1				Manual reactor, turbine-generator shutdown due to excessive unidentified primary plant leakage. Repacked MOV-1700 residual heat removal system isolation valve; also, outage was extended for other primary and secondary maintenance.
79-2	790224	F	7.2	B*	4*				Leak of electro hydraulic fluid from pump discharge header. Welded leak. No action necessary to prevent recurrence.

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

(9/77)

*See Attached Sheet

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET

REPORT MONTH FebruaryYEAR 1979DOCKET NO. 50-338UNIT NAME North AnnaDATE Nov. 1, 1978COMPLETED BY A. G. Neuffer

Note: January Report Reported Shutdown Number 78-33 incorrectly. It should be changed to 79-1.

Note: Shutdown 79-1 was concluded at 1624 on 2-3-79. 64.4 hours.

79-2 (B) Hydraulic fluid, used to control the main turbine governor valves and trip valves had begun to leak from a joint in the EHC pump discharge header several days earlier. The unit was shutdown over the weekend to facilitate maintenance. The joint was rewelded and the unit was returned to service after 7.2 hours.

79-2 (4) Reactor was not shutdown.