

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH OCTOBER YEAR 1981
(Revised 12-03-81)

APPROVED:


STATION MANAGER

8211030166 811218
PDR ADOCK 05000338
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-339
 DATE 12-03-81
 COMPLETED BY L.L. Rogers
 TELEPHONE (703) 894-5151 X2510

OPERATING STATUS

Notes * Reflects corrected number of hours generator on line.

1. Unit Name: North Anna 2
2. Reporting Period: October 1981 (Revised 12-03-81)
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): 939
7. Maximum Dependable Capacity (Net MWe): 890
8. If Changes Occur in Capacity Ratings (Items No. 3 thru 7) Since Last Report, Give Reasons

Corrects re-evaluation of auxiliary load consumption dated May 1981.

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

See also outages no. 81-38

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	745	7,296	7,728
12. Number of Hours Reactor Was Critical	733.2	5,524.3	5,953.2
13. Reactor Reserve Shutdown Hours	713.2 17.1	1,358.5	1,638.5
14. Hours Generator On-Line	713.2	*5,362.3	*5,775.5
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,898,994	13,802,996	14,889,993
17. Gross Electrical Energy Generated (MWH)	643,948	4,653,876	5,022,307
18. Net Electrical Energy Generated (MWH)	611,338	4,402,998	4,752,642
19. Unit Service Factor	*95.7	*73.5	*74.7
20. Unit Availability Factor	*95.7	*73.5	*74.7
21. Unit Capacity Factor (Using MDC Net)	92.2	67.8	69.1
22. Unit Capacity Factor (Using DER Net)	90.5	66.5	67.8
23. Unit Forced Outage Rate	*4.3	*23.3	*22.2
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Refueling Outage - 03-05-82 thru 05-14-82

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	_____	_____

* corrects duration of shutdown 81-38

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-339
 UNIT NAME North Anna 2
 DATE 12-03-81
 COMPLETED BY L. L. ROGERS
 TELEPHONE (703) 894-5151 X2510

REPORT MONTH OCTOBER (Revised)

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
81-37	811001	F	N/A	F	5	N/A	N/A	N/A	Reduced load to 90% due to "B" Transformer hi alarm and No. 4 governor valve cycling.
81-38	811003	F	*26.8	A	3	N/A	N/A	N/A	Reactor trip due to EHC line rupture on No.4 governor. Closed No. 4 governor valve and installed new supports
81-39	811004	F	5.0	A	3	N/A	N/A	N/A	Reactor Trip due to generator leads differential.
81-40	811005	F	N/A	F	5	N/A	N/A	N/A	Reduced load to 91% due to "B" Transformer hi temperature alarm.
81-41	811006	F	N/A	F	5	N/A	N/A	N/A	Reduced load to 90% due to "B" Transformer hi temperature alarm.

was previously 12.1
~~26.8~~

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or 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-Continuations
 5-Load Reduction
 9-Other

⁴
 Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

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 Exhibit H - Same Source