

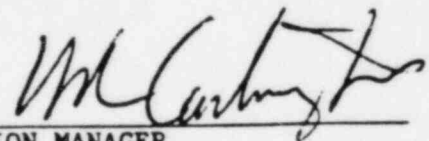
VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH NOVEMBER YEAR 1981

APPROVED:



STATION MANAGER

OPERATING DATA REPORT

DOCKET NO. 50-338
 DATE 12-03-81
 COMPLETED BY L.L. Rogers
 TELEPHONE (703) 894-5151 X2510

OPERATING STATUS

Notes

1. Unit Name: North Anna 1
2. Reporting Period: November 1981
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): 918
7. Maximum Dependable Capacity (Net MWe): 865
8. If Changes Occur in Capacity Ratings (Items No. 3 thru 7) Since Last Report, Give Reasons

NA

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	720	8,016	30,577
12. Number of Hours Reactor Was Critical	720	5,111.2	23,084.3
13. Reactor Reserve Shutdown Hours	0	13,821.8	226,192.3
14. Hours Generator On-Line	689.1	4,960.9	22,609
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,803,908	13,097,458	58,266,161
17. Gross Electrical Energy Generated (MWH)	576,778	4,245,803	18,580,715
18. Net Electrical Energy Generated (MWH)	544,757	4,007,395	17,492,398
19. Unit Service Factor	95.7	61.9	73.9
20. Unit Availability Factor	95.7	61.9	73.9
21. Unit Capacity Factor (Using MDC Net)	87.5	57.8	66.1
22. Unit Capacity Factor (Using DER Net)	83.4	55.1	63.1
23. Unit Forced Outage Rate	0	1.1	4.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Refueling Outage 05-21-82 thru 07-02-82

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	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338

UNIT NA-1

DATE 12-03-81

COMPLETED BY L.L. Rogers

TELEPHONE (703) 894-5151

X 2510

MONTH November

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>4.5</u>	17	<u>843</u>
2	<u>224</u>	18	<u>842</u>
3	<u>516</u>	19	<u>841</u>
4	<u>236</u>	20	<u>839</u>
5	<u>838</u>	21	<u>841</u>
6	<u>836</u>	22	<u>842</u>
7	<u>829</u>	23	<u>841</u>
8	<u>830</u>	24	<u>842</u>
9	<u>830</u>	25	<u>841</u>
10	<u>834</u>	26	<u>839</u>
11	<u>786</u>	27	<u>845</u>
12	<u>792</u>	28	<u>848</u>
13	<u>827</u>	29	<u>845</u>
14	<u>841</u>	30	<u>840</u>
15	<u>844</u>	31	<u></u>
16	<u>843</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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.	50-338
UNIT NAME	North Anna 1
DATE	12-03-81
COMPLETED BY	L. L. ROGERS
TELEPHONE	(703) 894-5151 X2510

REPORT MONTH NOVEMBER

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
81-16	811007	S	22.9	B	4	N/A	N/A	N/A	Fall maintenance outage continues.
81-17	811103	S	8.0	B	1	N/A	N/A	N/A	Ramped unit off line to furmanite flange FE-1482.
81-18	811111	F	N/A	A	1	N/A	N/A	N/A	Ramped unit down to 56% power due to fire on "C" main feed pump.
81-19	811129	S	N/A	B	5	N/A	N/A	N/A	Reduced load to 97% power to perform Turbine Valve Freedom Test.

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)

⁵
Exhibit H - Same Source

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET

DOCKET NO. 50-338

REPORT MONTH November UNIT NAME NA-1

YEAR 1981 DATE 12-03-81

COMPLETED BY L. L. ROGERS

81-18

(A) (1)

On November 11 the Unit was ramped down to 56% due to a fire cause by oil accumulation in the lagging of the "C" Main Feed Pump.