

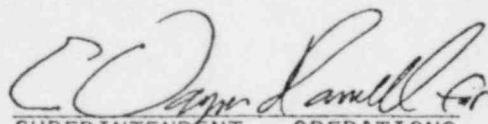
VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH January YEAR 1979

SUBMITTED:


SUPERINTENDENT - OPERATIONS

APPROVED:


MANAGER

79022000 46

OPERATING DATA REPORT

DOCKET NO. 50-338
 DATE Feb. 9, 1979
 COMPLETED BY D. C. WOODS
 TELEPHONE 703-894-5151

OPERATING STATUS

<p>1. Unit Name: <u>North Anna</u></p> <p>2. Reporting Period: <u>January 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> <hr/> <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> <hr/>	<p>Notes</p>
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	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	5,761
12. Number Of Hours Reactor Was Critical	640.7	640.7	5,327.5
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	640.7	640.7	5,292.4
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,710,165	1,710,165	13,906,960
17. Gross Electrical Energy Generated (MWH)	544,465	544,465	4,444,902
18. Net Electrical Energy Generated (MWH)	513,410	513,410	4,177,990
19. Unit Service Factor	86.1	86.1	92.5
20. Unit Availability Factor	86.1	86.1	92.5
21. Unit Capacity Factor (Using MDC Net)	76.8	76.8	80.8
22. Unit Capacity Factor (Using DER Net)	76.1	76.1	80.0
23. Unit Forced Outage Rate	13.9	13.9	2.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>Snubber Inspection April 1979, 1 week</u>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup:		
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 February 9, 1979
COMPLETED BY D. C. Woods
TELEPHONE (703)-894-5151

MONTH January 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>805</u>
2	<u>808</u>
3	<u>808</u>
4	<u>803</u>
5	<u>802</u>
6	<u>801</u>
7	<u>800</u>
8	<u>800</u>
9	<u>803</u>
10	<u>803</u>
11	<u>801</u>
12	<u>802</u>
13	<u>803</u>
14	<u>805</u>
15	<u>805</u>
16	<u>806</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>807</u>
18	<u>809</u>
19	<u>808</u>
20	<u>805</u>
21	<u>806</u>
22	<u>808</u>
23	<u>807</u>
24	<u>806</u>
25	<u>805</u>
26	<u>806</u>
27	<u>472</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1979

DOCKET NO. 50-338
 UNIT NAME North Anna
 DATE 2-8-79
 COMPLETED BY A.G. Neuffer
 TELEPHONE 703-894-5151x229

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
78-33	790127	F	103.3	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.

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-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

Note: Outage 78-33 carried over into the month of February 1979

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET

DOCKET NO. 50-338

REPORT MONTH January

UNIT NAME North Anna

YEAR 1979

DATE 2-8-79

COMPLETED BY A.G. Neuffer

78-33 (A) Excessive packing gland leakage from MOV-1700, the residual heat removal system suction valve, of greater than 1 gallon per minute. Technical specifications permit primary plant unidentified leakage of 1 gpm or less. The unit was removed from service and the reactor shutdown at 1641. The plant was then cooled down and depressurized. The maintenance was completed on 1-28-79 at 1940. The plant was heated to 547°F on 1-29-79 at 1245 and a leakrate calculation was performed. Again leakage was excessive. It was determined that the pressurizer spray valves were leaking between their bodies and bonnets. The plant was then cooled down and depressurized to allow maintenance. January shutdown 78-33 continued into February 1979.