

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH March YEAR 1983

APPROVED:


STATION MANAGER

OPERATING DATA REPORT

DOCKET NO. 50-338
 DATE 04-05-83
 COMPLETED BY G. D. Schmitendorf
 TELEPHONE (703) 894-5151 X2502

OPERATING STATUS

Notes

1. Unit Name: North Anna 1
2. Reporting Period: March 1983
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:

N/A

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	744	2,160	42,241
12. Number of Hours Reactor Was Critical	522.6	522.6	27,645.6
13. Reactor Reserve Shutdown Hours	120.8	120.8	2,118.9
14. Hours Generator On-Line	443	443	26,825.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,021,878	1,021,878	69,281,232
17. Gross Electrical Energy Generated (MWH)	341,613	341,613	22,126,145
18. Net Electrical Energy Generated (MWH)	322,100	322,100	20,842,833
19. Unit Service Factor	59.5	20.5	62.5
20. Unit Availability Factor	59.5	20.5	62.5
21. Unit Capacity Factor (Using MDC Net)	50.0	17.2	57.0
22. Unit Capacity Factor (Using DER Net)	47.7	16.4	54.4
23. Unit Forced Outage Rate	40.5	79.5	12.3
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

None

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.	50-338
UNIT NAME	North Anna 1
DATE	04-05-83
COMPLETED BY	G. D. Schmitendorf
TELEPHONE	(703) 894-5151 X2502

REPORT MONTH March

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
82-12	821205	F	180.2	A	3	82-85	SF	INSTRU	Replacement/Testing of Main Generator and Main Transformers is completed. Unit returned to service.
83-01	830308	F	120.8	H	1	NA	NA	NA	Normal rampdown to off-line, followed by cooldown to investigate "Loose Parts" Alarm on "C" Steam Generator. Problem was resolved and unit returned to service.

1	2	3
F: Forced	Reason:	Method:
S: Scheduled	A-Equipment Failure (Explain)	1-Manual
	B-Maintenance or Test	2-Manual Scram.
	C-Refueling	3-Automatic Scram
	D-Regulatory Restriction	4-Continuations
	E-Operator Training & License Examination	5-Load Reduction
	F-Administrative	9-Other
	G-Operational Error (Explain)	
	H-Other (Explain)	

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

5
Exhibit H - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338

UNIT NA-1

DATE 04-05-83

COMPLETED BY G. Schmitendorf

TELEPHONE 703-894-5151X2117

MONTH March

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>97</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>1</u>
14	<u>241</u>
15	<u>252</u>
16	<u>250</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>448</u>
18	<u>762</u>
19	<u>879</u>
20	<u>869</u>
21	<u>845</u>
22	<u>870</u>
23	<u>879</u>
24	<u>879</u>
25	<u>880</u>
26	<u>874</u>
27	<u>879</u>
28	<u>879</u>
29	<u>880</u>
30	<u>887</u>
31	<u>888</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 SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET DOCKET NO. 50-338

REPORT MONTH March UNIT NAME NA-1

YEAR 1983 DATE 04-05-83

COMPLETED BY G. D. Schmitendorf

- 82-12 (A) (3) At 1214 on March 8, 1983 the unit was returned to on-line following replacement of the Main Generator and Main Transformers. Prior to placing the unit on-line, a "Loose Parts" alarm was received indicating a loose part may exist in the secondary side of "C" steam generator. The decision was made to place the unit on-line and escalate to 30% power to evaluate the loose part indication at higher feedwater flows and to allow completion of main generator and main transformer testing under loaded conditions.
- 83-01 (H) (1) At 2120 on March 8, 1983, following completion of main generator and main transformer testing, the unit was ramped off-line and cooled down to Mode 5 for inspection of the "C" steam generator. Inspection of "C" steam generator was required as a precautionary measure due to "Loose Parts" indication received prior to placing the unit on-line and which continued during operation at 30%. A thorough inspection of the "C" steam generator determined that there were no loose parts in the steam generator. The unit was returned to power and placed on-line at 2330 on March 13, 1983 and reached 100% power at 2249 on March 18, 1983.

OPERATING DATA REPORT

DOCKET NO. 50-339
 DATE 04-05-83
 COMPLETED BY G. D. Schmitendorf
 TELEPHONE (703) 894-5151 X2502

OPERATING STATUS

Notes

1. Unit Name: North Anna 2
2. Reporting Period: March 1983
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:

N/A

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	744	2,160	20,112
12. Number of Hours Reactor Was Critical	741	2,073.1	14,576.2
13. Reactor Reserve Shutdown Hours	6.7	135.8	2,157.6
14. Hours Generator On-Line	737.3	2,024.2	14,476.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,015,669	5,337,014	37,063,034
17. Gross Electrical Energy Generated (MWH)	656,442	1,746,058	12,335,354
18. Net Electrical Energy Generated (MWH)	622,969	1,654,928	11,704,546
19. Unit Service Factor	99.1	93.7	72.0
20. Unit Availability Factor	99.1	93.7	72.0
21. Unit Capacity Factor (Using MDC Net)	94.1	86.1	65.4
22. Unit Capacity Factor (Using DER Net)	92.3	84.5	64.2
23. Unit Forced Outage Rate	.9	6.3	18.3
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Scheduled Refueling, 4/1/83, 42 days

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-339

UNIT NAME North Anna 2

DATE 04-05-83

COMPLETED BY G. D. Schmitendorf

TELEPHONE (703) 894-5151 X2502

REPORT MONTH March

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
83-05	830227	F	6.7	A	3	NA	NA	NA	Repairs made to Main Feedwater Regulating valves and unit returned to service.

1	2	3
F: Forced	Reason:	Method:
S: Scheduled	A-Equipment Failure (Explain)	1-Manual
	B-Maintenance or Test	2-Manual Scram.
	C-Refueling	3-Automatic Scram
	D-Regulatory Restriction	4-Continuations
	E-Operator Training & License Examination	5-Load Reduction
	F-Administrative	9-Other
	G-Operational Error (Explain)	
	H-Other (Explain)	

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

5
Exhibit H - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-339

UNIT NA-2

DATE 04-01-83

COMPLETED BY G. Schmitendor

TELEPHONE 703-894-5151X2117

MONTH March

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>139</u>	17	<u>862</u>
2	<u>823</u>	18	<u>864</u>
3	<u>863</u>	19	<u>858</u>
4	<u>864</u>	20	<u>866</u>
5	<u>858</u>	21	<u>866</u>
6	<u>859</u>	22	<u>863</u>
7	<u>859</u>	23	<u>863</u>
8	<u>861</u>	24	<u>863</u>
9	<u>858</u>	25	<u>863</u>
10	<u>862</u>	26	<u>857</u>
11	<u>860</u>	27	<u>563</u>
12	<u>861</u>	28	<u>863</u>
13	<u>864</u>	29	<u>862</u>
14	<u>864</u>	30	<u>862</u>
15	<u>864</u>	31	<u>861</u>
16	<u>864</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 SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET DOCKET NO. 50-339

REPORT MONTH March UNIT NAME NA-2

YEAR 1983 DATE 04-05-83

COMPLETED BY G. D. Schmitendorf

83-05 (A) (3) At 0639 on 1 March, 1983 the unit was returned to on-line following completion of the necessary repairs to the "B" Main Feedwater Regulating valve along with making repairs to the "A" and "C" Main Feedwater Regulating valves to prevent occurrence of the air line shearing encountered on the "B" valve. No further problems were experienced and the unit was stable at 100% power at 0451 on 2 March, 1983.

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

April 14, 1983

Mr. N. M. Haller, Director
Office of Management and Program Analysis
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 239
NO/JHL:acm
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Dear Mr. Haller:

Enclosed is the Monthly Operating Report for North Anna Power Station Unit Nos. 1 and 2 for the month of March, 1983.

Very truly yours,

W. L. Stewart
W. L. Stewart

Enclosure (3 copies)

cc: Mr. R. C. DeYoung, Director (12 copies)
Office of Inspection and Enforcement

Mr. James P. O'Reilly (1 copy)
Regional Administrator
Region II

IE24
1/1