VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH October YEAR 1982

APPROVED:

STATION MANAGER CANULL

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338

UNIT NA-1

DATE 11-01-82

COMPLETED BY G. Schmitendorf

TELEPHONE703~894-5151X250:

MONTH	October		
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

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.

OPERATING DATA REPORT

DOCKET NO. 50-338

DATE 11-01-82

COMPLETED BY G. D. Schmitendorf
TELEPHONE (703) 894-5151 X2502

OPERATING STATUS

	OLDINITING STATES			
1.	Unit Name: North Anna 1		Notes	
2.	Reporting Period: October 1982			
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 (It	ems No. 3 thr	u 7) Since Last R	eport, Give Reasons
	NA NA			
9.	Power Level To Which Restricted, If Any	(Net MWe):	N/A	
10.	Reasons For Restrictions, If Any:	_	N/A	
-				
		This Month	Yrto-Date	Cumulative
11.	Hours In Reporting Period	745	7,296	38,617
12.	Number of Hours Reactor Was Critical	0	3,129.9	26,958.2
13.	Reactor Reserve Shutdown Hours	0	21.5	256.4
14.	Hours Generator On-Line	0	3,022.9	26,375.9
15.	Unit Reserve Shutdown Hours	0	0	0
16.	Gross Thermal Energy Generated (MWH)	0	7,941,328	68,255,580
17.	Gross Electrical Energy Generated (MWH)	0	2,537,888	21,783,410
18.	Net Electrical Energy Generated (MWH)	0	2,396,973	20,519,889
19.	Unit Service Factor	0	41.4	68.3
20.	Unit Availability Factor	0	41.4	68.3
21.	Unit pacity Factor (Using MDC Net)	0	38.0	61.4
22.	Unit Capacity Factor (Using DER Net)	0	36.2	58.6
23.	Unit Forced Outage Rate	0	7.3	5 1
24.	Shutdowns Scheduled Over Next 6 Months	(Type, Date, a	and Duration of E.	ach):
25. 26.	If Shut Down At End Of Report Period, Ed Units In Test Status (Prior to Commercia	stimated Date al Operation):	of Startup:	11-18-82
			orecast	Achieved
	INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION			

UNIT SHUTDOWNS AND POWER REDUCTIONS

11-01-82 DATE REPORT MONTH October COMPLETED BY G. D. Schmitendorf TELEPHONE (703) 894-5151 X2502 Date Type 1 Duration Reason 2 Method of Licensee System Component Cause & Corrective Code 4 Shutting Event Down Reactor Report # Code 5 Action to Prevent Recurrence

DOCKET NO.

UNIT NAME

50-338

North Anna 1

745 The scheduled refueling outage continues.

(Hours)

S

82-10

D-Regulatory Restriction E-Operator Training & License Examination F-Administrative G-Operational Error (Explain) H-Other (Explain) 3-Automatic Scram 4-Continuations (NUREG-0161) 5-Load Reduction 9-Other 5 Exhibit H - Same Source	S: Scheduled	E-Operator Training & License Examination F-Administrative G-Operational Error (Explain)	5-Load Reduction	Exhibit F - Instruction for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)
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	Page 1	_ of _1_	
UNIT SHUTDOWN	AND POWER I	REDUCTIONS	
EXPLANATION SH	HEET DOO	CKET NO5	0-338
REPORT MONTH	October	_ UNIT NAME	NA-1
YEAR	1982	DATE11	-01-82
cc	MPLETED BY	G. D. Schm	itendorf

NO ENTRIES THIS MONTH

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-339

UNIT NA-2

DATE 11-01-82

COMPLETED BY G. Schmitenderf

TELEPHONE703-894-5151X2502

MONTH	October		
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	871	17	876
2	875	18	876
3	875	19	876
4	875	20	877
5	873	21	877
6	873	22	817
7	873	23	876
8	872	24	871
9	870	25	835
10	873	26	838
11	875	27	877
12	877	28	876
13	876	29	876
14	867	30	872
15	876	31	877
16	873		

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.

OPERATING DATA REPORT

DOCKET NO. 50-339

DATE 11-01-82

COMPLETED BY G. L Schmitendorf
TELEPHONE (703) 394-5151 X2502

OPERATING STATUS

1. 2. 3. 4. 5. 6. 7. 8.	Unit Name: North Anna 2 Reporting Period: October 1982 Licensed Thermal Power (MWt): Nameplate Rating (Gross MWe): Design Electrical Rating (Net MWe): Maximum Dependable Capacity (Gross MWe) Maximum Dependable Capacity (Net MWe): If Changes Occur in Capacity Ratings (In NA	890	Notes 7) Since Last Re	port, Give Reason
9. 10.	Power Level To Which Restricted, If Any Reasons For Restrictions, If Any:	(Net MWe):	N/A N/A	
11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	Hours In Reporting Period Number of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months	648,191 100 100 97.8 95.9	Yrto-Date 7,296 3,631 388.6 3,543.7 0 9,049,290 3,003,810 2,839,188 48.6 48.6 43.7 42.9 28.8 nd Duration of Each	Cumulative 16,488 11,045.8 2,021.8 11,003.1 0 27,832,131 9,313,042 8,841,604 66.7 66.7 60.3 59.1 21.9 ch):
25. 26.	If Shut Down At End Of Report Period, E Units In Test Status (Prior to Commerci INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION	al Operation):	of Startup:	Achieved

OPERATING DATA REPORT

DOCKET 1	NO.	50-339
DA'	TE	10-01-82
COMPLETED 1	BY	G. D. Schmitendorf
TELEPHO	NE	(703) 894-5151 X2502

OPERATING STATUS			
Unit Name:		Notes	
Licensed Thornal Page (1982			
Namenlate Peting (Correction)			
Design Floatming (Gross Mwe):			
Maximum Dopondable Communication (Net Mwe):	907		
Maximum Dependable Capacity (Gross MWe):			
If Changes Occur is Committee (Net MWe):	890		
If changes occur in Capacity Ratings (It	tems No. 3 thr	u 7) Since Last Re	eport, Give Reason
NA NA			
Power Level To Which Postsisted To	(N. 10.)		
Reasons For Restrictions If Any	(Net MWe):		
nessens for Restrictions, if Any:		N/A	
	This Month	V to Dot-	
Hours In Reporting Period			Cumulative
Number of Hours Reactor Was Critical	Contract of the last of the la		15,743
Reactor Reserve Shutdown Hours			10,300.8
Hours Generator On-Line		The same of the sa	2,021.8
	The second secon	The state of the s	10,258.1
Gross Thermal Energy Generated (MWH)		The same of the sa	0
Gross Electrical Energy Generated (MWH)	The state of the s		25,779,993
Net Electrical Energy Generated (MWH)	The state of the s	2,319,920	8,629,152
Unit Service Factor	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		8,193,413
	THE RESERVE OF THE PARTY OF THE		65.2
Unit Capacity Factor (Using MDC Net)	Control of the Contro		65.2
Unit Capacity Factor (Using DER Net)		The second secon	58.5
Unit Forced Outage Rate			57.4
Shutdowns Scheduled Over Next 6 Months	(Type Date a	33.9	23.2
The state of the s	(Type, Date, a	nd Duration of Ea	ch):
None			
If Shut Down At End Of Report Period, Es	stimated Date	of Startup:	
Units In Test Status (Prior to Commercia	al Operation):	or ocurcup.	
			Achieved
INITIAL ON THE CASE			
INITIAL ELECTRICITY COMMERCIAL OPERATION			
	Unit Name: Reporting Period: September 1982 Licensed Thermal Power (Mwt): Nameplate Rating (Gross Mwe): Design Electrical Rating (Net Mwe): Maximum Dependable Capacity (Gross Mwe): Maximum Dependable Capacity (Net Mwe): If Changes Occur in Capacity Ratings (In Maximum Dependable Capacity (Net Mwe): If Changes Occur in Capacity Ratings (In Maximum Dependable Capacity Ratings (In Maximum Dependable Capacity Ratings (In Maximum Power Level To Which Restricted, If Any Reasons For Restrictions, If Any: Hours In Reporting Period Number of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MwH) Net Electrical Energy Generated (MwH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months None	Unit Name: North Anna 2 Reporting Period: September 1982 Licensed Thermal Power (MWt): 2775 Nameplate Rating (Gross MWe): 947 Design Electrical Rating (Net MWe): 907 Maximum Dependable Capacity (Gross MWe): 939 Maximum Dependable Capacity (Net MWe): 890 If Changes Occur in Capacity Ratings (Items No. 3 thr NA Power Level To Which Restricted, If Any (Net MWe): Reasons For Restrictions, If Any: This Month NA Power Level To Which Restricted, If Any (Net MWe): 890 If Changes Occur in Capacity Ratings (Items No. 3 thr NA Power Level To Which Restricted, If Any (Net MWe): 890 Reasons For Restrictions, If Any: 910 Reasons For Restrictions, If Any (Net MWe): 910 Reasons For Restr	Unit Name: North Anna 2 Reporting Period: September 1982 Licensed Thermal Power (MWt): 947 Design Electrical Rating (Gross MWe): 997 Maximum Dependable Capacity (Gross MWe): 890 If Changes Occur in Capacity Ratings (Items No. 3 thru 7) Since Last Research NA Power Level To Which Restricted, If Any (Net MWe): N/A Reasons For Restrictions, If Any: N/A Hours In Reporting Period 720 6,551 Number of Hours Reactor Was Critical 693.4 2,886 Reactor Reserve Shutdown Hours 29.8 388.6 Hours Generator On-line 690.2 2,798.7 Unit Reserve Shutdown Hours 0 0 0 0 Gross Thermal Energy Generated (MWH) 626,330 2,319,920 Unit Service Factor 95.9 42.7 Unit Capacity Factor (Using MDC Net) 92.9 37.6 Unit Capacity Factor (Using MDC Net) 92.9 37.6 Unit Forced Outage Rate 4.1 33.9 Shutdown At End Of Report Period, Estimated Date of Startup: Units In Test Status (Prior to Commercial Operation): Forecast

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME North Anna 2 DATE 11-01-82 REPORT MONTH October COMPLETED BY G. D. Schmitendorf TELEPHONE (703) 894-5151 X2502 Type Duration Reason Method of No. Date Licensee System Component Cause & Corrective (Hours) Code 4 Code 5 Shutting Event Down Reactor Report # Action to Prevent Recurrence 82-17 821022 NA A NA NA NA Repair of 2-FW-P-1C, Main Feedwater Pump, motor/pump coupling. 82-18 821025 NA A NA NA NA Repair of 2-FW-P-1A, Main Feedwater Pump, motor/pump coupling.

DOCKET NO.

50-339

F: Forced S: Scheduled	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)	Method: 1-Manual 2-Manual Scram. 3-Automatic Scram 4-Continuations 5-Load Reduction 9-Other	Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161) 5 Exhibit H - Same Source
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	Pag	e 1 of _	1
UNIT SHUTDOWN	AND POWER R	EDUCTIONS	
EXPLANATION SI	HEET DOC	KET NO5	0-339
REPORT MONTH	October	_ UNIT NAME	NA-2
YEAR	1982	DATE11	-01-82
co	MPLETED BY	G. D. Schm	itendorf

- At 1817 on October 22, 1982 with the unit at 100% power, a rampdown to approximately 60% power was commenced in order to inspect the motor to pump coupling of the "C" Main Feedwater Pump. One of the bolts to the coupling was found partially backed out. The necessary repairs to the motor to pump coupling were completed and the unit was returned to full power, reaching 100% at 0026 on October 23, 1982.
- At 2030 on October 25, 1982 with the unit at 100% power, a rampdown to approximately 60% power was commenced in order to inspect the motor to pump coupling of "A" Main Feedwater Pump. It was found that several of the bolts of the coupling were loose. The necessary repairs to the motor to pump coupling were completed and the unit was returned to full power, reaching 100% at 0425 on October 26, 1982.