VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH July YEAR 1982

APPROVED:

Lonella STATION MANAGER

8209240325 820813 PDR ADOCK 05000338 R PDR

OPERATING DATA REPORT

DOCKET NO.	50-338
DATE	08-06-82
COMPLETED BY	G. D. Schmitendorf
TELEPHONE	(703) 894-5151 X2502

CPERATING STATUS

			Notes			
1.	Unit Name: North Anna 1					
2.	Reporting Period: July 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):					
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			fer fan strijfer.		
	МА					
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	744	5,087	36,408		
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	59.4	12.4		
20.	Unit Availability Factor	0	59.4	12.4		
21.	Unit Capacity Factor (Using MDC Net)	0	54.5	60.2		
22.	Unit Capacity Factor (Using DER Net)	0	52.0	<u> </u>		
23.	Unit Forced Uutage Kate	U Trans Data	1.5	5.1 5.1		
25.	If Shut Down At End Of Report Period, E	Estimated Date	of Startup:	9-15-82		
26.	Units In Test Status (Prior to Commerci	al Operation)	:	Achieved		
			rorecast	Achieved		
	INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION					

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338

UNIT NA-1

DATE 08-06-82

COMPLETED BY G. Schmitendorf

TELEPHONE703-894-5151X2502

HONTH	July		
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

MONTH

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	UNIT SHUTDOWNS AND POWER REDUCTIONS					50-338 North Anna 1
					REPORT MONTH _	JULY	-		COMPLETED BY TELEPHONE	G. D. Schmitendorf (703) 894-5151 X2502
No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code 4	Component Code 5	Cause & Cor Action Prevent Rec	rective to urrence

82-10	S	744	The	scheduled	refueling	outage	continues
					the second s		

1	2	3	4
F: Forced	Reason:	Method:	Exhibit F - Instructions
S: Scheduled	A-Equipment Failure (Explain)	1-Manual	for Preparation of Data
	B-Maintenance or Test	2-Manual Scram.	Entry Sheets for Licensee
	C-Refueling	3-Automatic Scram	Event Report (LER) File
	D-Regulatory Restriction	4-Continuations	(NUREG-0161)
	E-Operator Training & License Examination	5-Load Reduction	
	F-Administrative	9-Other	
	G-Operational Error (Explain)		2
	H-Other (Explain)		Exhibit H - Same Source

OPERATING DATA REPORT

DOCKET NO.	50-339
DATE	08-06-82
COMPLETED BY	G. D. Schmitendorf
TELEPHONE	(703) 894-5151 X2502
	A second s

OPERATING STATUS

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		Notes						
1.	Unit Name: North Anna 2							
2.	Reporting Period: July 1982							
3.	Licensed Thermal Power (MWt):	2775						
4.	Nameplate Rating (Gross MWe):							
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 (It	ems No. 3 thru	1 7) Since Last Re	port, Give Reason				
	NA	<u>.</u>						
9.	Power Level To Which Restricted, If Any	(Net MWe):	N/A	in the second second				
10.	Reasons For Restrictions, If Any:		N/A					
		This Month	Yrto-Date	Cumulative				
11.	Hours In Reporting Period	744	5,087	14,279				
12.	Number of Hours Reactor Was Critical	169.6	2,142.7	9,557.5				
13.	Reactor Reserve Shutdown Hours	118.8	173.7	1,806.9				
14.	Hours Generator On-Line	156.4	2,061.7	9,521.1				
15.	Unit Reserve Shutdown Hours	0	0	0				
16.	Gross Thermal Energy Generated (MWH)	384,674	5,072,590	23,855,431				
17.	Gross Electrical Energy Generated (MWH)	127,134	1,676,360	7,991,592				
18.	Net Electrical Energy Generated (MWH)	119,702	1,585,999	7,588,415				
19.	Unit Service Factor	21.0	40.5	66.7				
20.	Unit Availability Factor	21.0	40.5	66.7				
21.	Unit Capacity Factor (Using MDC Net)	18.1	35.0	59.7				
22.	Unit Capacity Factor (Using DER Net)	17.7	34.4	58.6				
23.	Unit Forced Outage Rate	79.0	25.5	19.9				
24.	Shutdowns Scheduled Over Next 6 Months	(Type, Date, a	and Duration of Ea	ch):				
-	and a second second second descent a second seco							
			and the second					
25	TE Chut Down At End Of Down Down I D	addressed Dec	of Charten of	0 82				
20.	II Shut Down At End Of Report Period, E	stimated Date	of Startup: 8-1	9-02				
20.	Units in lest Status (Prior to Commerci	al Operation)	:	Ashimid				
		1	forecast	Achieved				
	INITIAL CRITICALITY							

INITIAL ELECTRICITY COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-339

UNIT NA-2

DATE 08-06-82

COMPLETED BY G. Schmitendorf

TELEPHONE703-894-5151X2502

MONTH	July		
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	879	17	0
2	869	18	0
3	119	19	0
4	526	20	0
5	870	21	0
6	876	22	0
7	840	23	0
8	8	24	0
9	0	25	0
10	0	26	0
1	0	27	0
2	0	28	0
13	0	29	0
4	0	30	0
5	0	31	0
16	0		

INSTRUCTIONS

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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 Jul	REDUCT	IONS		DOCKET NO. UNIT NAME DATE COMPLETED BY TELEPHONE	50-339 North Anna 2 08-0-682 G. D. Schmitendorf (703) 894-5151 X2502
No. Date	Typel Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licens Event Report	see : #	System Code 4	Component Code 5	Cause & Corr Action t Prevent Recu	ective o rrence
82-12 820703 82-13 820708	F 12.9 F 574.7	Н	1	NA 82-04	5	NA	NA	Normal rampd for testing "Loose Parts followed by rampdown fro generator of testing and "Loose Parts Additional " ing pick-ups ing the time Normal rampd	own to 36% power and evaluation of "Alarm on "A" S/G, continued normal m 30% power to f line for further evaluation of the "Alarm of "A" S/G. Loose Parts" monitor- were installed dur- unit was off line. own from 100% power to
								generator of the noise mo During this "UT" the the in the RCS.	f line to investigate nitored in "A" S/G. time it was decided to rmal sleeves installed
1 F: Forced S: Scheduled	2 Reason: A-Equipment H B-Maintenance C-Refueling D-Regulatory E-Operator T F-Administrat G-Operational H-Other (Exp)	Failure (E e or Test Restricti raining & tive l Error (E lain)	xplain) on License Examina xplain)	ation	3 Method 1-Manu 2-Manu 3-Autor 4-Cont 5-Load 9-Othe	: al Scram. matic Scr inuations Reduction r	4 Exh for Ent Eve (NU n 5 Exh	ibit F - Instru Preparation of ry Sheets for L nt Report (LER) REG-0161) ibit H - Same So	ctions Data icensee File ource

UNIT SHUTDO	WN AND POWER	REDUCTIONS	
EXPLANATION	SHEET DO	CKET NO.	50-339
REPORT MON	TH July	UNIT NAME	NA-2
YEAR _	1982	DATE	08-06-82
	COMPLETED BY	G. D. Sch	mitendorf

82-12

(H)

(1)

At 2230 on July 2, 1982 with the unit at 100% power a rampdown to 30% reactor power was commenced to evaluate a "Loose Parts" Alarm received on "A" S/G. After stabilizing at 30% power to obtain data a rampdown from 30% to generator off line was commenced in order to further evaluate the "Loose Parts" Alarm and obtain more data. The generator was off line at 0418 on 3 July. Reactor maintained critical. The data taken was evaluated and the loose part was determined to be of low impact energy and on the secondary side of the "A" S/G. During the unit down time additional "Loose Parts" noise monitoring pickups and data gathering equipment were installed to ascist in locating the region that the noise originated from and determination as to what components were the cause.

Page 1 of 1

82-13 (H) (1) At 2100 on July 7 with the unit at 100% power a rampdown at 150 mwe per hour followed by a normal reactor shutdown was commenced. The generator was taken off line at 0113 on July 8. The reactor shutdown was commenced at 0135 by driving in the control rods placing the Unit in Mode 3. The Unit was taken to cold shutdown (mode) to investigate the noise monitored in "A" S/G. Upon removal of S/G side handhole cover, the Tube Lane Blocking device split plate was found to be loose. The TLBD was repaired and reinstalled. During the time frame of the S/G loose parts investigation it was decided to "UT" the Thermal Sleeves installed in the RCS.