VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH April YEAR 1982

APPROVED:

MC Carting 1

OPERATING DATA REPORT

DOCKET NO. 50-338

DATE 05-05-82

COMPLETED BY L.L. Rogers

TELEPHONE (703) 894-5151 X2510

OPERATING STATUS

			Notes	
1.	Unit Name: North Anna 1			
2.	Reporting Period: April 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		7) Since Last Re	port, Give Reasons
	NA			
9.	Power Level To Which Restricted, If Any	(Net MWe):	N/A	
10.	Reasons For Restrictions, If Any:		N/A	
minusia				
		This Month	Yrto-Date	Cumulative
11.	Hours In Reporting Period	719	2,879	34,200
12.		701.9	2,840.4	26,668.7
13.		0	0	0
14.		692.2	2,818.4	26,171.4
15.		0	0	0
16.		1,721,526	7,477,775	67,792,027
17.		ANY ARRANGE SHIPE SHIPE SHAPE	2,392,514	21,638,036
18.		514,717	2,261,084	20,384,000
19.		96.3	97.9	76.5
20.		96.3	97.9	76.5
21.		82.8	90.8	68.9
22.		78.9	86.6	65.7
23.		3.7	1.9	4.5
24.				
	Refueling Outage 05-21-82 thru	07-03-82		
25	If Chut Davis At End Of Danast Davied E	etimated Data	of Startun.	N/A
25.				1/11
26.	Units in lest Status (Frior to Commerci		orecast	Achieved
	INITIAL CRITICALITY			
	INITIAL ELECTRICITY COMMERCIAL OPERATION		-	

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338

UNIT NA-1

DATE 05-07-82

COMPLETED BY L.L. Rogers

TELEPHONE703-894-5151X2510

MONTH	April		
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	545	17	289
2	160	18	521
3	413	19	427
4	781	20	380
5	834	21	716
6	836	22	835
7	837	23	834
8	837	24	831
9	839	25	835
10	836	26	837
11	838	27	839
12	839	28	839
13	839	29	838
14	841	30	812
15	844	31	
16	530		

INSTRUCTIONS

On this format, list the average faily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS	AND	POWER	REDUCT	IONS
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2

G

A

82-06 820416 F

82-07 820419 F

8.5

4.8

UNIT NAME North Anna 1 05-07-82 DATE COMPLETED BY L. L. ROGERS REPORT MONTH APRIL (703) 894-5151 X2510 TELEPHONE Type Duration Reason 2 Component Cause & Corrective Method of System Licensee No. Date Code 5 Code 4 Shutting Event Down Reactor Report # Action to (Hours) Prevent Recurrence Reactor trip due to voltage NA NA 13.5 NA 82-05 820401 G spike on N-41 with N-44 in trip.

NA

NA

NA

NA

50-338

Manual Reactor trip due to

loss of circulating water

Reactor trip due to voltage

spike while adjusting N-43

with N-44 in trip.

DOCKE'I NO.

pumps.

1	2	3	4
F: Forced	Reason:	Method:	Exhibit F - Instructions
S: Scheduled		1-Manual	for Preparation of Data
	B-Maintenance or Test	2-Marual 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	5
	G-Operational Error (Explain)		
	H-Other (Explain)		Exhibit H - Same Source

NA

NA

	Pag	ge <u>1</u> of <u>1</u>
UNIT SHUTDO	OWN AND POWER R	REDUCTIONS
XPLANATION	N SHEET DOO	KET NO. 50-338
REPORT MON	NTH April	UNIT NAME NA-1
YEAR	1982	DATE05-07-82
	COMPLETED BY	L. L. ROGERS

- 82-05 (G) (3) At 1538 on April 1, 1982 with the unit at 100% power the reactor automatically tripped, followed by an automatic turbine trip. The trip was recorded as being high flux rate trip and high flux setpoint trip at the same time. The reactor trip was caused by a short to ground while performing maintenance on instrumentation for the steam generator support heaters. A voltage dip caused by the short carried through the vital bus to the Nuclear Instrumentation System Channel 1 (N-41) control and instrumentation power causing the high flux rate and high flux rate and high flux setpoint trips. Since channel N-44 was already placed in trip due to inoperable detectors, the 2 of 4 logic was completed for the automatic reactor trip.
- 82-06 (G) (2) At 1451 on April 16, 1982 with the unit at 100% power a manually initiated turbine trip/reactor trip occurred. The unit was tripped due to power being lost to the 1G bus which supplies power to the Unit 1 circulating water pumps. The circulating water pumps lost power because breaker 15G10 failed to auto tranfer, cross-tieing with the 2G bus. The undervoltage spike was caused by closing breaker 25A9 ("A" HP heater drain pump on unit 2) with ground straps install 4.
- At 0934 on April 19, 1982 with the unit at 100% power the reactor automatically tripped, followed by high flux rate trip and high flux setpoint trip at the same time. The reactor trip was caused by faulty operation of the N43 power range instrument gain adjustment potentiometer. When a Reactor Operator repositioned the potentiometer based on the results of a secondary calorimetric, a spike was generated which caused an N43 high positive rate trip and the high flux setpoint trip. Since N44 was still in the trip condition, the 2 of 4 logic was completed for the automatic reactor trip.

OPERATING DATA REPORT

DOCKET NO. 50-339

DATE 05-07-82

COMPLETED BY L.L. Rogers

TELEPHONE (703) 894-5151 X2510

OPERATING STATUS

	Oldini Ind Dini da		Notes	
1.	Unit Name: North Anna 2			
2.	Reporting Period: April 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):	939		
7.	Maximum Dependable Capacity (Net MWe):	890		
8.	If Changes Occur in Capacity Ratings (It		7) Since Last Re	port, Give Reason
	NA			
-	NA .			
9.	Power Level To Which Restricted, If Any	(Net MWe):	N/A	
	Reasons For Restrictions, If Any:		N/A	
		This Month	Yrto-Date	Cumulative
11.	Hours In Reporting Period	719	2,879	12,071
12.	Number of Hours Reactor Was Critical	0	1,481.7	8,896.5
13.	Reactor Reserve Shutdown Hours	0	46.4	1,679.6
14.		0	1,437.1	8,667.2
15.	Unit Reserve Shutdown Hours	0	0	0
16.	The second secon	0	3,727,204	22,510,045
17.	and the second s	0	1,233,691	7,570,923
18.		0	1,171,660	7,174,076
19.		0	66.5	76.3
20.		0	66.5	76.3
21.	The state of the s	0	60.9	71.0
22.		0	59.8	69.7
23.		0	7.1	16.9
24.				Annual Control of the
	Fall Maintenance Outage 10-15-	82 thru 10-25	-82	
25	If Shut Down At End Of Report Period, E	stimated Date	of Startun:	05-18-82
25.				00 10 01
26.	Units in lest Status (Frior to Commerci		Forecast	Achi ved
	INITIAL CRITICALITY			
	INITIAL ELECTRICITY COMMERCIAL OPERATION	_		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. UNIT NAME DATE

50-339 North Anna 2

05-07-82

COMPLETED BY TELEPHONE

L. L. ROGERS (703) 894-5151 X2510

REPORT MONTH April

No. Date Duration Reason² Cause & Corrective Component Method of Licensee System Code 5 Code 4 Action to Shutting (Hours) Event Down Reactor Report # Prevent Recurrence

82-09

719

The scheduled refueling outage continues.

F: Forced Reason: A-Equipment Failure (Explain) S: Scheduled B-Maintenance or Test C-Refueling D-Regulatory Restriction E-Operator Training & License Examination 5-Load Reduction F-Administrative G-Operational Error (Explain) H-Other (Explain)

Method: 1-Manual 2-Manual Scram. 3-Automatic Scram 4-Continuations

9-Other

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

Exhibit H - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-339	
UNIT	NA-2	
DATE	05-07-82	
COMPLETED BY	L.L. Rogers	
TELEPHONE 7	03-894-5151X2510	

MONTH	April		
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	С
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.