

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

February 12, 1992

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 92-105
NL&P/JMJ:jmj
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 AND 2
MONTHLY OPERATING REPORT

Enclosed is the Monthly Operating Report for North Anna Power Station Units 1 and 2 for the month of January 1992.

Very truly yours,



W. L. Stewart
Senior Vice President - Nuclear

Enclosures

cc: U.S. Nuclear Regulatory Commission
101 Marietta Street, NW
Suite 2900
Atlanta, GA 30323

Mr. M. S. Lesser
NRC Senior Resident Inspector
North Anna Power Station


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PDR ADDCK 05000338
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VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: January YEAR: 1992

Approved:


Station Manager

OPERATING DATA REPORT

DOCKET NO.: 50-338
 DATE: February 3, 1992
 COMPLETED BY: C. Mladen
 PHONE: (705) 894-2774

OPERATING STATUS

- 1. Unit Name:.....North Anna 1
- 2. Reporting Period:.....January 1992
- 3. Licensed Thermal Power (Net):..... 2,893
- 4. Nameplate Rating (Gross MWe):..... 947
- 5. Design Electrical Rating (Net MWe):..... 907
- 6. Maximum Dependable Capacity (Gross MWe):... 959
- 7. Maximum Dependable Capacity (Net MWe):.... 911

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	Y-t-D	Cumulative
11. Hours in Reporting Period.....	744.0	744.0	119,316.0
12. Number of Hours Reactor was Critical.....	0.0	0.0	86,688.5
13. Reactor Reserve Shutdown Hours.....	0.0	0.0	6,721.7
14. Hours Generator On-Line.....	0.0	0.0	83,771.5
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	0.0	0.0	222,952,772.4
17. Gross Electrical Energy Generated (MWH).....	0.0	0.0	73,257,847.0
18. Net Electrical Energy Generated (MWH).....	0.0	0.0	69,354,617.0
19. Unit Service Factor.....	0.0%	0.0%	70.2%
20. Unit Availability Factor.....	0.0%	0.0%	70.2%
21. Unit Capacity Factor (using MDC Net).....	0.0%	0.0%	64.9%
22. Unit Capacity Factor (using DER Net).....	0.0%	0.0%	64.1%
23. Forced Outage Rate.....	29.0%	29.0%	12.6%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each) _____ N/A _____

25. If Shutdown at end of Report Period, estimated time of Startup: _____ 03/13/92 _____

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 3, 1992
 Completed by: C. Mladen
 Phone: (703) 894-2774

MONTH: January 1992

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

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month January Unit Name: NA-1

Year: 1992 Date: February 3, 1992

Completed by: Cathie Mladen

- #91-10 December 23, 1991
Commenced unit ramp-down and initiated "Notification of Unusual Event" at 1632 hours. Main Generator taken off-line at 2059 hours. Main Turbine manually tripped at 2106 hours. Unit entered Mode 3 at 2149 hours.
- December 24, 1991
Unit entered Mode 4 at 0230 hours. Unit entered Mode 5 at 0718 hours. Terminated "Notification of Unusual Event" at 0730 hours.
- #92-01 January 10, 1992
Unit in Mode 5 for planned inspection and maintenance of Steam Generators.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: January 1992

DOCKET NO.: 50-338
 UNIT NAME: NA-1
 DATE: February 3, 1992
 COMPLETED BY: C. Mladen
 PHONE: (703) 894-2774

No.	Date	Type ¹	Duration (hrs)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
91-10	911223	F	216.0	A	4	N/A	SB	SG	Unit shutdown required by T.S. 3.0.3 due to declaring all three steam generators inoperable.
92-01	920110	S	528.0	B	4	N/A	SB	SG	S/G inspections and maintenance planned.

1: Type
 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
 H=Other (explain)

3: Method
 1=Manual
 2=Manual Scram
 3=Automatic Scram
 4=Continuations
 5=Load Reduction
 9=Other

4:
 Exhibit F - Instructions for preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5:
 Exhibit H - Same Source

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: January

SUMMARY OF OPERATING EXPERIENCE

Listed below in chronological sequence is a summary of operating experiences for this month which required load reductions or resulted in significant non-load related incidents.

<u>Date</u>	<u>Time</u>	<u>Data</u>
January 01, 1992	0000	Began month with unit in Mode 5.
January 31, 1992	2400	Ended month with unit in Mode 5.

OPERATING DATA REPORT

DOCKET NO.: 50-339
 DATE: February 3, 1992
 COMPLETED BY: C. Mladen
 PHONE: (703) 894-2774

OPERATING STATUS

- 1. Unit Name:.....North Anna 2
- 2. Reporting Period:.....January 1992
- 3. Licensed Thermal Power (Mwt):..... 2893
- 4. Nameplate Rating (Gross MWe):..... 947
- 5. Design Electrical Rating (Net MWe):..... 907
- 6. Maximum Dependable Capacity (Gross MWe):.. 957
- 7. Maximum Dependable Capacity (Net MWe):.... 909

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	Y-t-D	Cumulative
11. Hours in Reporting Period.....	744.0	744.0	97,584.0
12. Number of Hours Reactor was Critical.....	732.1	732.1	80,468.0
13. Reactor Reserve Shutdown Hours.....	11.9	11.9	6,069.3
14. ...s Generator On-Line.....	717.0	717.0	79,491.4
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	1,984,061.2	1,984,061.2	213,801,194.3
17. Gross Electrical Energy Generated (MWH).....	647,575.0	647,575.0	70,027,701.0
18. Net Electrical Energy Generated (MWH).....	615,306.0	615,306.0	67,115,039.0
19. Unit Service Factor.....	96.4%	96.4%	81.5%
20. Unit Availability Factor.....	96.4%	96.4%	81.5%
21. Unit Capacity Factor (using MDC Net).....	91.0%	91.0%	76.4%
22. Unit Capacity Factor (using DER Net).....	91.2%	91.2%	75.8%
23. Forced Outage Rate.....	3.6%	3.6%	6.0%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): __Refueling/Maintenance Outage__
 __Scheduled to Commence 02/26/92; Estimated Duration of 60 Days__

25. If Shutdown at end of Report Period, estimated time of Startup: _____ N/A _____

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: NA-2
 DATE: February 3, 1992
 COMPLETED BY: C. Mladen
 PHONE: (703) 894-2774

REPORT MONTH: January 1992

No.	Date	1 Type	Duration (hrs)	2 Reason	3 Method of Shutting Down Reactor	Licensee Event Report #	4 System Code	5 Component Code	Cause & Corrective Action to Prevent Recurrence
92-02	920129	F	27.0	A	3	92-001	SJ	FCV	Reactor trip due to "C" Main Feedwater Regulating Valve closure due to failed driver card. Replaced card.

1: Type
 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
 H=Other (explain)

3: Method
 1=Manual
 2=Manual Scram
 3=Automatic Scram
 4=Continuations
 5=Load Reduction
 9=Other

4:
 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: February 3, 1992
 Completed by: C. Mladen
 Phone: (703) 894-2774

MONTH: January 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY LEVEL LEVEL (MWe-Net)
1	<u>903</u>	17	<u>889</u>
2	<u>903</u>	18	<u>874</u>
3	<u>903</u>	19	<u>864</u>
4	<u>902</u>	20	<u>861</u>
5	<u>902</u>	21	<u>858</u>
6	<u>901</u>	22	<u>855</u>
7	<u>903</u>	23	<u>853</u>
8	<u>901</u>	24	<u>835</u>
9	<u>903</u>	25	<u>833</u>
10	<u>898</u>	26	<u>830</u>
11	<u>903</u>	27	<u>827</u>
12	<u>902</u>	28	<u>824</u>
13	<u>902</u>	29	<u>114</u>
14	<u>900</u>	30	<u>188</u>
15	<u>898</u>	31	<u>715</u>
16	<u>894</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.

NORTH ANNA POWER STATION

UNIT NO.: 2
 MONTH: January

SUMMARY OF OPERATING EXPERIENCE

Listed below in chronological sequence is a summary of operating experiences for this month which required load reductions or resulted in significant non-load related incidents.

<u>Date</u>	<u>Time</u>	<u>Data</u>
January 01, 1992	0000	Began month with unit at 100% power, 953MWe.
January 10, 1992	0928	Commenced unit ramp-down to 880MWe for TVFT.
	0955	Unit stable at 880MWe.
	1050	TVFT completed satisfactorily.
	1058	Commenced unit ramp-up to 100% power.
January 13, 1992	1124	Unit stable at 100% power, 942MWe.
	0143	Unit RCS boron concentration less than 1 ppm, commenced power coastdown for refueling outage.
January 29, 1992	0325	Reactor trip as a result of "C" Main Feedwater Regulating valve failing closed.
	1517	Unit entered Mode 2.
January 30, 1992	0510	Unit entered Mode 1.
	0628	Main generator placed on-line.
	1004	Unit stable at 30% power for Chemistry hold.
	1703	Commenced unit ramp-up to 48% power.
	1747	Unit stable at 48% power, 343MWe.
	2057	Commenced unit ramp-up.
	2231	Suspended power increase for QPTR determination.
January 31, 1992	0101	Commenced unit ramp-up.
	2400	Ended month with unit at 86% power, 815MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month January Unit Name: NA-2

Year: 1992 Date: February 3, 1992

Completed by: Cathie Mladen

#92-02

January 29, 1992

Reactor trip as a result of "C" Main Feedwater Regulating Valve closure at 0325 hours. Unit entered Mode 2 at 1517 hours.

January 30, 1992

Unit entered Mode 1 at 0510 hours. Main generator on-line at 0628 hours. Unit stable at 30% power for Chemistry hold at 1004 hours. Commenced unit ramp-up to 48% power at 1703. Unit stable at 48% power at 1747 hours. Commenced unit ramp-up at 2057 hours. Suspended unit ramp-up for QPTR determination at 2231 hours.

January 31, 1992

Commenced unit ramp-up at 0101 hours. Ended month with unit at 86% power in power coastdown.