

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

May 13, 1975



Office of Plans and Schedules
Division of Reactor Licensing
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 496/021974
PO&M/JTB:clw

Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Sir:

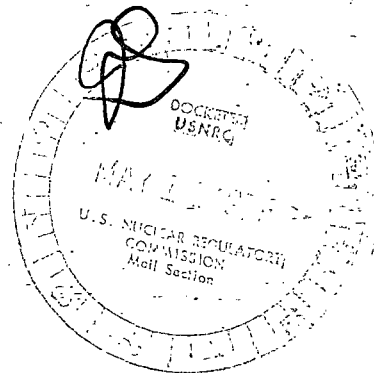
Pursuant to Mr. L. Manning Muntzing's directive of February 19, 1974 requiring that certain operating information be forwarded to you on a monthly basis, the Virginia Electric and Power Company submits the information enclosed herewith for the month of April 1975.

Very truly yours,

Stanley Lagone
for C. M. Stallings
Vice President-Power Supply
and Production Operations

Attachments

cc: Mr. Norman C. Moseley, Director
Region II



DOCKET NO. 50-280

UNIT Surry Unit No. 1

DATE 5-2-75

COMPLETED BY W. C. Earl

AVERAGE DAILY UNIT POWER LEVEL

MONTH APRIL

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>757.9</u>	17	<u>760.5</u>
2	<u>651.1</u>	18	<u>755.8</u>
3	<u>764.2</u>	19	<u>751.6</u>
4	<u>760.8</u>	20	<u>755.0</u>
5	<u>738.4</u>	21	<u>257.6</u>
6	<u>755.2</u>	22	<u>0</u>
7	<u>755.3</u>	23	<u>0</u>
8	<u>765.5</u>	24	<u>201.7</u>
9	<u>762.0</u>	25	<u>327.2</u>
10	<u>740.8</u>	26	<u>756.2</u>
11	<u>763.9</u>	27	<u>757.6</u>
12	<u>764.8</u>	28	<u>750.6</u>
13	<u>740.9</u>	29	<u>745.3</u>
14	<u>761.5</u>	30	<u>449.6</u>
15	<u>760.4</u>	31	<u></u>
16	<u>759.7</u>		

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

On this form, list the average daily unit power level in MWe-net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

UNIT Surry Unit No. 1

DATE 5-1-75

COMPLETED BY W. C. Earl

DOCKET NO. 50-280

OPERATING STATUS

1. REPORTING PERIOD: 0001 750401 THROUGH 2400 750430
HOURS IN REPORTING PERIOD: 720
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 2441 MAX. DEPENDABLE CAPACITY (MWe-NET) 788
3. LOWEST POWER-LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): _____
4. REASONS FOR RESTRICTION (IF ANY): _____

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	<u>625</u>	<u>2048.6</u>	<u>12,773</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>620.4</u>	<u>1780.7</u>	<u>12,198.2</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,475,404</u>	<u>4,169,614</u>	<u>26,225,635</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>486,190</u>	<u>1,374,475</u>	<u>8,702,238</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>462,515</u>	<u>1,306,953</u>	<u>8,237,306</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>86.8</u>	<u>71.1</u>	<u>61.9</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>86.1</u>	<u>61.8</u>	<u>59.1</u>
14. UNIT CAPACITY FACTOR (3)	<u>81.5</u>	<u>57.6</u>	<u>50.6</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>13.8</u>	<u>5.6</u>	<u>27.6</u>
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):	_____		

17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICAL POWER GENERATION	_____	_____
COMMERCIAL OPERATION	_____	_____

- (1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

UNIT SHUTDOWNS

DOCKET NO. 50-280

UNIT NAME Surry Unit No. 1

DATE 5-1-75

COMPLETED BY W. C. Earl

REPORT MONTH APRIL

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
75-10	040275	F	1.5	A	3	Faulty relay on loop stop valves caused trip while performing surveillance test.
75-11	042175	F	74.6	A	1	Fixed leaks in MOV-RM-1700,1701
75-12	042475	F	1.1	H	3	Feedwater control is sensitive during start-up. Unit tripped on Hi level in steam generator.
75-13	042475	F	1.1	H	3	Feedwater control is sensitive during start-up. Unit tripped on low level/feedwater mismatch.
75-14	042575	F	11.9	A	3	Pressurizer spray valve failed open.
75-15	043075	F	9.5	A	3	No. 3 diesel generator failure.

(1) REASON
 A - EQUIPMENT FAILURE (EXPLAIN)
 B - MAINT. OR TEST
 C - REFUELING
 D - REGULATORY RESTRICTION
 E - OPERATOR TRAINING AND LICENSE EXAMINATION
 F - ADMINISTRATIVE
 G - OPERATIONAL ERROR (EXPLAIN)
 H - OTHER (EXPLAIN)

(2) METHOD
 1 - MANUAL
 2 - MANUAL SCRAM
 3 - AUTOMATIC SCRAM

SUMMARY:

DOCKET NO. 50-281

UNIT Surry Unit No. 2

DATE 5-1-75

COMPLETED BY W. C. Earl

AVERAGE DAILY UNIT POWER LEVEL

MONTH APRIL

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>757.2</u>	17	<u>765.5</u>
2	<u>759.8</u>	18	<u>710.7</u>
3	<u>767.3</u>	19	<u>2.4</u>
4	<u>707.0</u>	20	<u>713.8</u>
5	<u>603.9</u>	21	<u>754.2</u>
6	<u>766.2</u>	22	<u>753.5</u>
7	<u>768.9</u>	23	<u>740.9</u>
8	<u>770.2</u>	24	<u>712.0</u>
9	<u>717.4</u>	25	<u>693.4</u>
10	<u>763.3</u>	26	<u>36.3</u>
11	<u>763.9</u>	27	<u>0</u>
12	<u>767.0</u>	28	<u>0</u>
13	<u>732.9</u>	29	<u>0</u>
14	<u>768.7</u>	30	<u>0</u>
15	<u>766.9</u>	31	<u>0</u>
16	<u>766.2</u>		

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

On this form, list the average daily unit power level in MWe-net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

UNIT Surry Unit No. 2

DATE 5-1-75

COMPLETED BY W. C. Earl

DOCKET NO. 50-281

OPERATING STATUS

1. REPORTING PERIOD: 0001 750401 THROUGH 2400 750430
HOURS IN REPORTING PERIOD: 720
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 2441 MAX. DEPENDABLE CAPACITY (MWe-NET) 788
3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): _____
4. REASONS FOR RESTRICTION (IF ANY): _____

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	<u>583.1</u>	<u>2621.7</u>	<u>11,130.7</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>578.2</u>	<u>2563.6</u>	<u>10,947.8</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,355,720</u>	<u>5,900,779</u>	<u>24,125,568</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>450,290</u>	<u>1,944,635</u>	<u>7,967,102</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>427,911</u>	<u>1,846,720</u>	<u>7,546,019</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>81.0</u>	<u>91.0</u>	<u>63.5</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>80.3</u>	<u>89.0</u>	<u>62.5</u>
14. UNIT CAPACITY FACTOR (3)	<u>75.4</u>	<u>81.4</u>	<u>54.6</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>0.0</u>	<u>4.4</u>	<u>24.4</u>
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):	_____		
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	<u>June 15, 1975</u>		
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:	_____		

DATE LAST FORECAST DATE ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICAL
POWER GENERATION

COMMERCIAL OPERATION

- (1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

UNIT SHUTDOWNS

DOCKET NO. 50-281

UNIT NAME Surry Unit No. 2

DATE 5-1-75

COMPLETED BY W. C. Earl

REPORT MONTH APRIL

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
75-6	041875	S	25.0	B	2	Startup Test 70-Trip from 100 per cent Power Refueling
75-7	042675	S	116.8	C	1	

- (1) REASON
 A-EQUIPMENT FAILURE (EXPLAIN)
 B-MAINT. OR TEST
 C-REFUELING
 D-REGULATORY RESTRICTION
 E-OPERATOR TRAINING AND
 LICENSE EXAMINATION
 F-ADMINISTRATIVE
 G-OPERATIONAL ERROR
 (EXPLAIN)
 H-OTHER (EXPLAIN)
- (2) METHOD
 1-MANUAL
 2-MANUAL
 SCRAM
 3-AUTOMATIC
 SCRAM

SUMMARY: