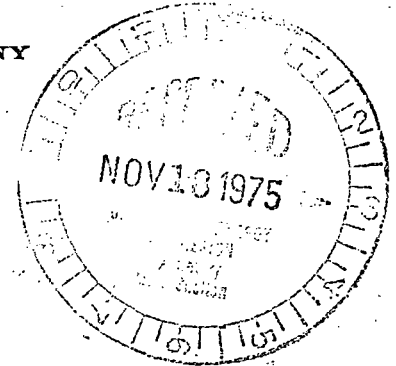


VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

November 14, 1975



Regulatory

File Cy.

Mr. William McDonald, Director
Office of Management Information
and Program Control
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 733/021974
PO&M/JTB:clw

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

Dear Mr. McDonald:

Operating information for Surry Unit Nos. 1 and 2 for the month of October 1975 and a corrected copy for Unit No. 2 for the month of September 1975 is attached.

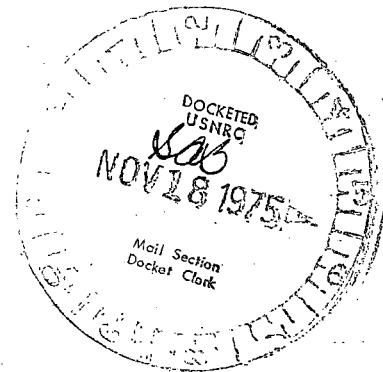
Very truly yours,

A handwritten signature in cursive script that reads "C. M. Stallings".

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

Attachment

cc: Mr. Norman C. Moseley



13165

DOCKET NO. 50-280

UNIT Surry Unit No. 1

DATE Nov. 3, 1975

COMPLETED BY W. C. Earl

AVERAGE DAILY UNIT POWER LEVEL

MONTH OCTOBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER 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>		

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 Nov. 3, 1975

COMPLETED BY W. C. Earl

DOCKET NO. 50-280

OPERATING STATUS

1. REPORTING PERIOD: 0001 751001 THROUGH 2400 751031
HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWh) 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	0	5,300.6	16,025
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7. HOURS GENERATOR ON LINE	0	5,017.8	15,435.3
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	0	11,828,013	33,883,423
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	3,832,330	11,160,093
11. NET ELECTRICAL ENERGY GENERATED (MWH)	0	3,640,133	10,570,486
12. REACTOR AVAILABILITY FACTOR (1)	0	72.6	63.9
13. UNIT AVAILABILITY FACTOR (2)	0	68.8	61.6
14. UNIT CAPACITY FACTOR (3)	0	63.3	53.5
15. UNIT FORCED OUTAGE RATE (4)	0	9.7	24.7
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: November 21, 1975

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 Nov. 3, 1975

COMPLETED BY W. C. Earl

REPORT MONTH OCTOBER

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
75-22	100175	S*	744	C	1	<p>Unit was shut down for the entire month for refueling.</p> <p>(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)</p> <p>(2) METHOD 1 MANUAL 2 MANUAL SCRAM 3 AUTOMATIC SCRAM</p>

SUMMARY: *Unit was initially shut down as a result of a forced outage. The scheduled refueling was moved up to this time. Outage No. 75-21 reflects the estimated duration of the forced outage and No. 75-22 represents the scheduled portion.

DOCKET NO. 50-281

UNIT Surry Unit No. 2

DATE Nov. 3, 1975

COMPLETED BY W. C. Earl

AVERAGE DAILY UNIT POWER LEVEL

MONTH OCTOBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>739.8</u>	17	<u>756.4</u>
2	<u>744.6</u>	18	<u>739.0</u>
3	<u>756.3</u>	19	<u>19.1</u>
4	<u>757.7</u>	20	<u>0</u>
5	<u>743.6</u>	21	<u>473.2</u>
6	<u>756.2</u>	22	<u>759.9</u>
7	<u>757.0</u>	23	<u>761.8</u>
8	<u>757.9</u>	24	<u>765.2</u>
9	<u>115.5</u>	25	<u>765.7</u>
10	<u>0</u>	26	<u>787.9</u>
11	<u>0</u>	27	<u>755.5</u>
12	<u>0</u>	28	<u>767.1</u>
13	<u>0</u>	29	<u>766.9</u>
14	<u>574.3</u>	30	<u>765.7</u>
15	<u>587.7</u>	31	<u>765.7</u>
16	<u>754.8</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 Nov. 5, 1975

COMPLETED BY W. C. Earl

DOCKET NO. 50-281

OPERATING STATUS

1. REPORTING PERIOD: 0001 751001 THROUGH 2400 751031
HOURS IN REPORTING PERIOD: 744
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>579.8</u>	<u>5,656.6</u>	<u>14,165.6</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>304.3</u>
7. HOURS GENERATOR ON LINE	<u>568.6</u>	<u>5,506.7</u>	<u>13,890.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,356,951</u>	<u>12,787,160</u>	<u>31,011,949</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>446,835</u>	<u>4,170,127</u>	<u>10,192,594</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>424,714</u>	<u>3,956,825</u>	<u>9,656,124</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>77.9</u>	<u>77.5</u>	<u>64.6</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>76.4</u>	<u>75.5</u>	<u>63.3</u>
14. UNIT CAPACITY FACTOR (3)	<u>72.4</u>	<u>68.8</u>	<u>55.9</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>23.6</u>	<u>7.6</u>	<u>21.8</u>

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):
Refueling April 15, 1976; approximately six weeks
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. 50-281UNIT NAME Surry Unit No. 2DATE Nov. 3, 1975COMPLETED BY W. C. EarlREPORT MONTH OCTOBER

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
75-16	100975	F	114.3	A	3	Rod position indication failure due to secondary steam leak.
75-17	101375	F	3.9	A	3	Feed reg. valve failed resulting in steam generator level trip. Replaced valve operator.
75-18	101575	F	3.9	G	3	Main steam trip valve failed shut when operator secured air to valve operator while conducting containment isolation valve leak rate test on other unit. Returned air to valve.

(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:

UNIT SHUTDOWNS

DOCKET NO. 50-281UNIT NAME Surry Unit No. 2DATE Nov. 3, 1975COMPLETED BY W. C. EarlREPORT MONTH OCTOBER

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
75-19	101975	F	53.4	A	1	Steam leaks on steam generator level taps. Rewelded level taps.
(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:

UNIT Surry Unit No. 2

DATE Oct. 1, 1975

COMPLETED BY W. C. Earl

DOCKET NO. 50-281

OPERATING STATUS

1. REPORTING PERIOD: 0001 750901 THROUGH 2400 750930
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>711.4</u>	<u>5,076.8</u>	<u>13,585.8</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>304.3</u>
7. HOURS GENERATOR ON LINE	<u>707.9</u>	<u>4,938.1</u>	<u>13,321.9</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,627,476</u>	<u>11,430,209</u>	<u>29,654,998</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>525,095</u>	<u>3,723,292</u>	<u>9,745,759</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>497,651</u>	<u>3,532,111</u>	<u>9,231,410</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>98.8</u>	<u>77.5</u>	<u>64.1</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>98.3</u>	<u>75.4</u>	<u>62.9</u>
14. UNIT CAPACITY FACTOR (3)	<u>87.7</u>	<u>68.4</u>	<u>55.3</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>1.7</u>	<u>5.4</u>	<u>21.7</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 = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$