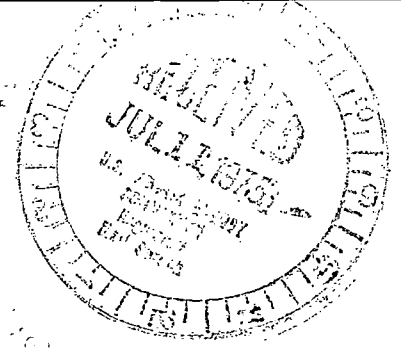
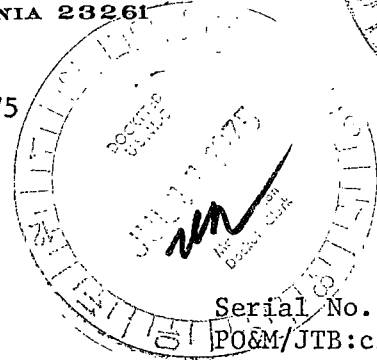


Regulatory

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261



July 9, 1975



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

Serial No. 565/021974
PO&M/JTB:clw

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

Dear Sir:

Operating information for Surry Unit Nos. 1 and 2 for the month of June 1975 is attached.

Very truly yours,

C. M. Stallings

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

Attachment

cc: Mr. Norman C. Moseley

DOCKET NO. 50-280

UNIT Surry Unit No. 1

DATE July 2, 1975

COMPLETED BY W. C. Earl

AVERAGE DAILY UNIT POWER LEVEL

MONTH JUNE

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>746.6</u>	17	<u>737.1</u>
2	<u>746.4</u>	18	<u>734.5</u>
3	<u>750.4</u>	19	<u>737.0</u>
4	<u>748.4</u>	20	<u>737.6</u>
5	<u>764.4</u>	21	<u>726.7</u>
6	<u>748.6</u>	22	<u>743.6</u>
7	<u>748.6</u>	23	<u>744.2</u>
8	<u>711.5</u>	24	<u>367.5</u>
9	<u>748.8</u>	25	<u>0</u>
10	<u>748.8</u>	26	<u>0</u>
11	<u>682.7</u>	27	<u>377.1</u>
12	<u>750.4</u>	28	<u>651.8</u>
13	<u>746.9</u>	29	<u>748.3</u>
14	<u>734.6</u>	30	<u>746.2</u>
15	<u>740.4</u>	31	<u> </u>
16	<u>739.1</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 July 2, 1975

COMPLETED BY W. C. Earl

DOCKET NO. 50-280

OPERATING STATUS

1. REPORTING PERIOD: 0001 750601 THROUGH 2400 750630
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>662.3</u>	<u>3428.6</u>	<u>14,153</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>660.8</u>	<u>3157.8</u>	<u>13,575.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,566,410</u>	<u>7,448,665</u>	<u>29,504,075*</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>502,800</u>	<u>2,435,770</u>	<u>9,763,533</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>477,277</u>	<u>2,315,124</u>	<u>9,245,477</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>92</u>	<u>78.9</u>	<u>64.0</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>91.8</u>	<u>72.7</u>	<u>61.4</u>
14. UNIT CAPACITY FACTOR (3)	<u>84.1</u>	<u>67.6</u>	<u>53.1</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>8.2</u>	<u>5.7</u>	<u>25.8</u>
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH): <u>Scheduled refueling October 15, 1975.</u>			
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 = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

*Corrected figure-Corrected error carried forwarded since February 1975

UNIT SHUTDOWNS

DOCKET NO. 50-280

UNIT NAME Surry Unit No. 1

DATE July 2, 1975

COMPLETED BY W. C. Earl

REPORT MONTH JUNE

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
75-17	062475	F	59.2	A	1	<p>Equipment failure was a packing failure of MOV-RH-1700 resulting in excessive primary coolant leakage.</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:

DOCKET NO. 50-281

UNIT Surry Unit No. 2

DATE July 2, 1975

COMPLETED BY W. C. Earl

AVERAGE DAILY UNIT POWER LEVEL

MONTH JUNE

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>0</u>	17	<u>23.2</u>
2	<u>0</u>	18	<u>288.4</u>
3	<u>0</u>	19	<u>544.3</u>
4	<u>0</u>	20	<u>701.3</u>
5	<u>0</u>	21	<u>725.5</u>
6	<u>0</u>	22	<u>729.6</u>
7	<u>0</u>	23	<u>751.2</u>
8	<u>0</u>	24	<u>751.5</u>
9	<u>0</u>	25	<u>744.7</u>
10	<u>0</u>	26	<u>746.1</u>
11	<u>0</u>	27	<u>749.5</u>
12	<u>0</u>	28	<u>752.5</u>
13	<u>0</u>	29	<u>754.1</u>
14	<u>0</u>	30	<u>747.7</u>
15	<u>0</u>	31	<u> </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. 2

DATE July 2, 1975

COMPLETED BY W. C. Earl

DOCKET NO. 50-281

OPERATING STATUS

- 1. REPORTING PERIOD: 0001 750601 THROUGH 2400 750630
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>385.4</u>	<u>3007.1</u>	<u>11,516.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>304.3</u>
7. HOURS GENERATOR ON LINE	<u>317.6</u>	<u>2881.2</u>	<u>11,265.4</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>720,968</u>	<u>6,621,747</u>	<u>24,846,536</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>228,827</u>	<u>2,173,462</u>	<u>8,195,929</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>216,234</u>	<u>2,062,954</u>	<u>7,762,253</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>53.5</u>	<u>69.2</u>	<u>60.7</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>44.1</u>	<u>66.3</u>	<u>59.3</u>
14. UNIT CAPACITY FACTOR (3)	<u>38.1</u>	<u>60.3</u>	<u>51.9</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>3.0</u>	<u>4.3</u>	<u>23.9</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. 50-281UNIT NAME Surry Unit No. 2DATE July 2, 1975COMPLETED BY W. C. EarlREPORT MONTH JUNE

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
75-7	042675	S	392.3	C	1	Refueling
75-8	061575	F	3.8	G	3	Reactor trip caused by high steam flow with low T_{avg} resulting from unequal pressure between steam generator and header and rapid header isolation valve opening.
75-9	061675	F	4.0	A	3	Malfunction of EHC caused turbine to roll at a high rate as the governor valves opened spiking 1st stage pressure above 15 per cent which tripped turbine. Turbine trip, caused reactor trip.

(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 SHUTDOWNS

UNIT NAME Surry Unit No. 2DATE July 2, 1975COMPLETED BY W. C. EarlREPORT MONTH JUNE

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
75-10	061775	F	2.2	A	3	<p>Turbine control valves opened rapidly spiking first stage pressure above 15 per cent tripping turbine. Reactor trip by turbine trip. EH control system malfunction.</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: