VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

March 13, 1975

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

Serial No. 432/021974
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 February 1975.

Very truly yours,

C. M. Stallings

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 3-3-75
COMPLETED BY W. C. Earl

AVERAGE DAILY UNIT POWER LEVEL

MONTH FEBRUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	0	17	762.3
2	3.9	18	764.0
3	237.6	19	766.8
4	272.2	20	767.5
5	638.0	21	767.6
6	764.5	22	756.9
7	768.4	23	709.1
8	773.4	24	753.1
9	295.8	25	624.7
10	649.6	26	97.2
11	766.2	27	764.3
12	764.5	28	714.6
13	765.5	29	
14	736.7	30	
15	760.5	31	
16	742.4		

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 3-3-75

COMPLETED BY W. C. Earl

DOCKET NO. 50-280

OPERATING STATUS

1. REPORTING PERIOD: 0001 750201 THROUGH 2400 750228
   HOURS IN REPORTING PERIOD: 672
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	665.3	707.5	11,431.9
6.	REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7.	HOURS GENERATOR ON LINE	590.7	590.7	11,008.2
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	GROSS THERMAL ENERGY GENERATED (MWH)	1,329,659	1,330,270	23,386,291
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	434,615	434,615	7,762,378
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	412,497	412,497	7,342,850
12.	REACTOR AVAILABILITY FACTOR (1)	99.0	50.0	59.6
13.	UNIT AVAILABILITY FACTOR (2)	87.9	41.7	57.4
14.	UNIT CAPACITY FACTOR (3)	77.9	37.0	48.6
15.	UNIT FORCED OUTAGE RATE (4)	1.0	1.0	29.2

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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$

(4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE + FORCED OUTAGE HOURS}} \times 100$

DOCKET NO. 50-280

UNIT NAME Surry Unit No. 1

DATE 3-3-75

COMPLETED BY W. C. Earl

UNIT SHUTDOWNS

REPORT MONTH FEBRUARY

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
74-21	102474	S	31.8	C	3	Unit was down for refueling
75-1	020275	F	1.5	H	3	Error in wiring caused feed reg. valve to fail open.
75-2	020275	F	0.7	G	3	Low steam generator level and steam flow/ F.W. flow mismatch.
75-3	020275	F	1.0	G	3	Same as above.
75-4	020275	F	0.6	G	3	Same as above.
75-5	020375	F	0.6	G	3	Same as above.
75-6	020975	S	0.6	B	1	PT-1.4 100 per cent load reject.
75-7	020975	F	0.9	G	3	Operator error.
75-8	022575	F	0.8	G	3	High steam generator level and steam flow/f.f. mismatch.

(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 3-3-75
COMPLETED BY W. C. Earl

AVERAGE DAILY UNIT POWER LEVEL

MONTH FEBRUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	757.2	17	741.2
2	287.2	18	767.4
3	372.3	19	762.8
4	715.0	20	763.0
5	744.7	21	763.0
6	752.2	22	752.5
7	748.4	23	733.2
8	677.1	24	764.2
9	746.4	25	761.3
10	749.1	26	729.5
11	751.6	27	760.2
12	758.3	28	761.4
13	758.7	29	
14	762.4	30	
15	761.1	31	
16	621.4		

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 3-3-75

COMPLETED BY W. C. Earl

DOCKET NO. 50-281

OPERATING STATUS

1. REPORTING PERIOD: 0001 750201 THROUGH 2400 750228
   HOURS IN REPORTING PERIOD: 672
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	655.9	1,319.2	9,828.2
6.	REACTOR RESERVE SHUTDOWN HOURS	0	0	304.3
7.	HOURS GENERATOR ON LINE	653.7	1,295.1	9.679.3
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	GROSS THERMAL ENERGY GENERATED (MWH)	1,539,183	2,910,646	21,135,435
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	505,670	953,485	6,975,952
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	480,554	904,656	6,603,955
12.	REACTOR AVAILABILITY FACTOR (1)	97.6	93.2	61.2
13.	UNIT AVAILABILITY FACTOR (2)	97.3	91.5	60.3
14.	UNIT CAPACITY FACTOR (3)	90.7	81.1	52.2
15.	UNIT FORCED OUTAGE RATE (4)	2.4	8.4	26.7

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):
    Refueling scheduled April 25, 1975; approximately 6 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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$

(4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE + FORCED OUTAGE HOURS}} \times 100$

DOCKET NO. 50-281
UNIT NAME Surry Unit No. 2
DATE 3-3-75
COMPLETED BY W. C. Earl

UNIT SHUTDOWNS

REPORT MONTH FEBRUARY

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
75-3	020275	F	0.6	G	3	Operator closed 2-FW-78 isolating feed to "C" steam generator in error.
75-4	020275	F	15.6	G	3	Steam generator low level with steam flow/feed flow mismatch.

(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: