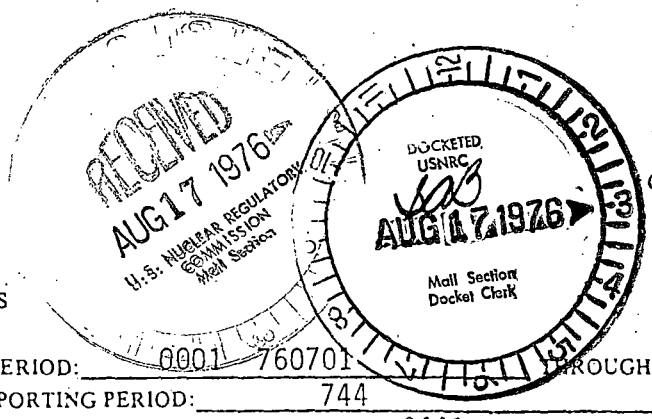
Regulatory File Cy



UNIT Surry Unit #2

DATE August 2, 1976

COMPLETED BY E. P. DeWandel

DOCKET NO. 50-281

OPERATING STATUS

1. REPORTING PERIOD: 0001 760701 THROUGH 2400 760731
   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	705.2	3,441.5	19,071.1
6.	REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7.	HOURS GENERATOR ON LINE	704.3	3,354.3	18,708.8
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	GROSS THERMAL ENERGY GENERATED (MWH)	1,711,295	7,901,954	42,410,087
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	555,805	2,582,400	13,927,959
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	527,570	2,449,324	13,201,705
12.	REACTOR AVAILABILITY FACTOR (1)	94.8%	67.3%	66.9%
13.	UNIT AVAILABILITY FACTOR (2)	94.7%	65.6%	65.6%
14.	UNIT CAPACITY FACTOR (3)	90.0%	60.8%	58.8%
15.	UNIT FORCED OUTAGE RATE (4)	5.3%	14.8%	19.2%

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH): None
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: August 2, 1976
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 = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$

8401

(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 Surry #2
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AVERAGE DAILY UNIT POWER LEVEL

MONTH July, 1976

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	755.5	17	754.6
2	746.3	18	754.4
3	736.6	19	752.5
4	761.5	20	750.5
5	761.2	21	747.0
6	760.2	22	752.5
7	760.8	23	746.0
8	759.0	24	743.3
9	750.3	25	745.0
10	740.2	26	746.5
11	759.8	27	748.8
12	758.9	28	745.0
13	760.8	29	740.9
14	760.3	30	182.5
15	749.3	31	0
16	751.8		

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.

DOCKET NO. 50-281

UNIT NAME Surry #2

DATE August 2, 1976

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UNIT SHUTDOWNS

REPORT MONTH July, 1976

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
76-8	7/30/76	F-Forced	39.3	A	Manual	A-Excessive leakage from reactor coolant system. Repair leaks. (Unit is still down at the end of this reporting period).

(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: