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MONTHLY REPORT

TO: E. VOLGENAU

FROM: CAROLINA PWR & LIGHT CO.
RALEIGH, N.C.
H.R. BANKSDATE OF DOCUMENT
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DESCRIPTION

LETTER TRANS THE FOLLOWING:

ENCLOSURE

MONTHLY REPORT FOR JANUARY 1977
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.

1P

3P

PLANT NAME: H.B. ROBINSON # 2

ACKNOWLEDGED
DO NOT REMOVE

SAFETY

FOR ACTION/INFORMATION

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Carolina Power & Light Company

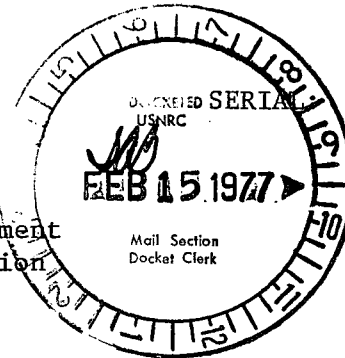
Regulatory

File C-4

February 10, 1977

FILE: NG-3513 (R)

Mr. Ernst Volgenau, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



NG-77-142



H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
MONTHLY OPERATIONS REPORT

Dear Mr. Volgenau:

In accordance with Technical Specification 6.9.1.c for the H. B. Robinson Steam Electric Plant, Unit No. 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of January, 1977.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

WH:mls

Enclosure

cc: Messrs. W. G. McDonald
N. C. Moseley

1629

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23
UNIT H. B. Robinson
DATE 2-2-77
COMPLETED BY M. L. Watford
TELEPHONE (803) 332-1351

MONTH January 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

| | |
|----|------------|
| 1 | <u>690</u> |
| 2 | <u>659</u> |
| 3 | <u>687</u> |
| 4 | <u>688</u> |
| 5 | <u>688</u> |
| 6 | <u>687</u> |
| 7 | <u>688</u> |
| 8 | <u>689</u> |
| 9 | <u>672</u> |
| 10 | <u>686</u> |
| 11 | <u>552</u> |
| 12 | <u>666</u> |
| 13 | <u>685</u> |
| 14 | <u>682</u> |
| 15 | <u>686</u> |
| 16 | <u>674</u> |

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

| | |
|----|------------|
| 17 | <u>683</u> |
| 18 | <u>682</u> |
| 19 | <u>684</u> |
| 20 | <u>689</u> |
| 21 | <u>688</u> |
| 22 | <u>687</u> |
| 23 | <u>669</u> |
| 24 | <u>527</u> |
| 25 | <u>521</u> |
| 26 | <u>683</u> |
| 27 | <u>684</u> |
| 28 | <u>684</u> |
| 29 | <u>669</u> |
| 30 | <u>685</u> |
| 31 | <u>686</u> |

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 when maximum dependable capacity is used 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.

APPENDIX C OPERATING DATA REPORT

DOCKET NO. DPR-23
UNIT H. B. Robinson Two
DATE 2-2-77
COMPLETED BY M. L. Watford
TELEPHONE (803) 332-1351
Ext. 142

OPERATING STATUS 0000,770101-

1. REPORTING PERIOD: 2400,770131 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2200 MAX. DEPEND. CAPACITY (MWe-Net): 665
DESIGN ELECTRICAL RATING (MWe-Net): 700

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): None

4. REASONS FOR RESTRICTION (IF ANY):

| | THIS MONTH | YR TO DATE | CUMULATIVE |
|---|------------------|------------------|-------------------|
| 5. NUMBER OF HOURS REACTOR WAS CRITICAL | <u>738.19</u> | <u>738.19</u> | <u>40,334.54</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS | <u>5.81</u> | <u>5.81</u> | <u>341.12</u> |
| 7. HOURS GENERATOR ON LINE | <u>733.91</u> | <u>733.91</u> | <u>39,473.46</u> |
| 8. UNIT RESERVE SHUTDOWN HOURS | <u>0</u> | <u>0</u> | <u>0</u> |
| 9. GROSS THERMAL ENERGY GENERATED (MWH) | <u>1,586,429</u> | <u>1,586,429</u> | <u>81,575,115</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | <u>521,487</u> | <u>521,487</u> | <u>26,546,153</u> |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH) | <u>496,801</u> | <u>496,801</u> | <u>25,186,392</u> |
| 12. REACTOR SERVICE FACTOR | <u>99.22</u> | <u>99.22</u> | <u>77.80</u> |
| 13. REACTOR AVAILABILITY FACTOR | <u>100</u> | <u>100</u> | <u>78.45</u> |
| 14. UNIT SERVICE FACTOR | <u>98.64</u> | <u>98.64</u> | <u>76.14</u> |
| 15. UNIT AVAILABILITY FACTOR | <u>98.64</u> | <u>98.64</u> | <u>76.14</u> |
| 16. UNIT CAPACITY FACTOR (Using MDC) | <u>100.41</u> | <u>100.41</u> | <u>73.05</u> |
| 17. UNIT CAPACITY FACTOR (Using Design MWe) | <u>95.39</u> | <u>95.39</u> | <u>69.40</u> |
| 18. UNIT FORCED OUTAGE RATE | <u>1.36</u> | <u>1.36</u> | <u>14.80</u> |

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): None

20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: On Line

| 21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): | FORECAST | ACHIEVED |
|---|----------|----------|
| INITIAL CRITICALITY | <u>-</u> | <u>-</u> |
| INITIAL ELECTRICITY | <u>-</u> | <u>-</u> |
| COMMERCIAL OPERATION | <u>-</u> | <u>-</u> |

APPENDIX D
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. DPR-23
UNIT NAME H. B. Robinson Two
DATE 2-2-77
COMPLETED BY M. L. Watford
TELEPHONE (803) 332-1351

REPORT MONTH January, 1977

| NO. | DATE | TYPE F: FORCED S: SCHEDULED | DURATION (HOURS) | REASON (1) | METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2) | CORRECTIVE ACTIONS/COMMENTS |
|-----|------|-----------------------------------|---------------------|------------|--|--|
| 1-1 | 1-11 | F | 3.23 | A | 2 | (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) Trip following loss of MCC-6 Trip due to high pressurizer pressure caused by turbine valves closing Turbine trip caused by loss of "B" inverter (2) METHOD 1: MANUAL 2: MANUAL SCRAM. 3: AUTOMATIC SCRAM 4: OTHER (EXPLAIN) |
| 1-2 | 1-24 | F | 3.90 | A | 3 | |
| 1-3 | 1-25 | F | 2.96 | A | 3 | |

SUMMARY: The unit experienced three trips during the month.
The unit was on the line for 733.91 hours. The
unit had an EFPD of 30.046 during January.

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