NRC FORM 195 (2-76)

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| TO: | Mr. Ernst Volgenau |
| FROM: | CP&L<br>Raleigh, N.C. 27602<br>H.R. Banks |
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DESCRIPTION
LETTER TRANS THE FOLLOWING:

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ACKNOWLEDGED

PLANT NAME: H.R. Robinson Plant

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

770740247

| SAFETY | FOR ACTION/INFORMATION | ENVIRO |
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NRC FORM 195 (2-76)

CP&L

Carolina Power & Light Company

March 10, 1977

File: NG-3515 (R)

Serial: NG-77-269

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



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 February, 1977.

Yours very truly,

Harold R. Banks

H. R. Banks
Manager
Nuclear Generation

WH/pap

Enclosure

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



336 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23
UNIT H.B.ROBINSON -TWO
DATE 3-2-1977
COMPLETED BY M. L. Watford
TELEPHONE (803) 332-1351

MONTH February, 1977

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|---|---|---|---|
| 1 | 685 | 17 | 547 |
| 2 | 685 | 18 | 482 |
| 3 | 689 | 19 | 0 |
| 4 | 688 | 20 | 504 |
| 5 | 297 | 21 | 680 |
| 6 | 0 | 22 | 681 |
| 7 | 0 | 23 | 682 |
| 8 | 0 | 24 | 683 |
| 9 | 0 | 25 | 684 |
| 10 | 0 | 26 | 690 |
| 11 | 0 | 27 | 658 |
| 12 | 0 | 28 | 687 |
| 13 | 0 | 29 | - |
| 14 | 0 | 30 | - |
| 15 | 0 | 31 | - |
| 16 | 0 | | |

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 HB ROBINSON TWO

DATE 3-2-77

COMPLETED BY M. L. Watford

TELEPHONE (803) 332-1351

OPERATING STATUS

1. REPORTING PERIOD: 0000, 770201-2400, 770231 GROSS HOURS IN REPORTING PERIOD: 672

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): None

| | THIS MONTH | YR TO DATE | CUMULATIVE |
|---|---|---|---|
| 5. NUMBER OF HOURS REACTOR WAS CRITICAL | 397.78 | 1135.97 | 40732.32 |
| 6. REACTOR RESERVE SHUTDOWN HOURS | 16.36 | 22.17 | 357.48 |
| 7. HOURS GENERATOR ON LINE | 359.91 | 1093.82 | 39833.37 |
| 8. UNIT RESERVE SHUTDOWN HOURS | 0 | 0 | 0 |
| 9. GROSS THERMAL ENERGY GENERATED (MWH) | 775685 | 2362114 | 82350800 |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 252529 | 774016 | 26798682 |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH) | 237909 | 734710 | 25424301 |
| 12. REACTOR SERVICE FACTOR | 59.19 | 80.22 | 77.56 |
| 13. REACTOR AVAILABILITY FACTOR | 61.63 | 81.79 | 78.24 |
| 14. UNIT SERVICE FACTOR | 53.56 | 77.25 | 75.85 |
| 15. UNIT AVAILABILITY FACTOR | 53.56 | 77.25 | 75.85 |
| 16. UNIT CAPACITY FACTOR (Using MDC) | 53.24 | 78.02 | 72.80 |
| 17. UNIT CAPACITY FACTOR (Using Design MWe) | 50.58 | 74.12 | 69.16 |
| 18. UNIT FORCED OUTAGE RATE | 46.44 | 22.75 | 15.25 |

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 | - | - |
| INITIAL ELECTRICITY | - | - |
| COMMERCIAL OPERATION | - | - |

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. DPR-23
UNIT NAME HB Robinson Two
DATE 3-2-1977
COMPLETED BY M. L. Watford
TELEPHONE (803) 332-1351

REPORT MONTH February 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 |
|---|---|---|---|---|---|---|
| 02-1 | 2,5,77 | F | 278.36 | A | 1 | "C" RCP High Seal Leakage |
| 02-2 | 2,18,77 | F | 33.73 | A | 1 | Inspect Turbine Generator for Insulation Failure |

(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
4: OTHER (EXPLAIN)

SUMMARY: