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MONTHLY REPORT

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TO:

Mr. Ernst Valgenau

FROM:

Carolina Power & Light Company
Raleigh, North Carolina
H. R. Banks

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DESCRIPTION

Letter trans the following:

ENCLOSURE

Monthly Report for MAY 1977
Plant & Component Operability & Availability.
This Report to be used in preparing Gray Book
by Plans & Operations.

PLANT NAME:

(1-P)

(3-P)

H. B. Robinson Unit No. 2
RJL 6/17/77

ACKNOWLEDGED
DO NOT REMOVE

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FOR ACTION/INFORMATION

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Carolina Power & Light Company

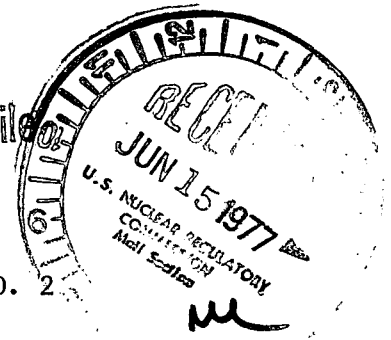
June 10, 1977

File: NG-3513 (R)

Serial: NG-77-667

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

Regulatory Docket File



Dear Mr. Volgenau:

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

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 May, 1977.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

WH:mvp
Enclosure

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

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1977 JUN 15 AM 9 54

RECEIVED DOCUMENT
PROCESSING UNIT

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23

UNIT HBR 2

DATE 770602

COMPLETED BY M. L. Watford

TELEPHONE 332-1351

MONTH May 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>552</u>
2	<u>672</u>
3	<u>673</u>
4	<u>674</u>
5	<u>672</u>
6	<u>667</u>
7	<u>664</u>
8	<u>647</u>
9	<u>656</u>
10	<u>659</u>
11	<u>662</u>
12	<u>662</u>
13	<u>661</u>
14	<u>659</u>
15	<u>627</u>
16	<u>655</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>656</u>
18	<u>654</u>
19	<u>651</u>
20	<u>652</u>
21	<u>653</u>
22	<u>643</u>
23	<u>652</u>
24	<u>652</u>
25	<u>653</u>
26	<u>654</u>
27	<u>655</u>
28	<u>660</u>
29	<u>634</u>
30	<u>656</u>
31	<u>653</u>

* Maximum dependable capacity may be exceeded due to impoundment temperature

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 770602

COMPLETED BY M. L. Watford

TELEPHONE 332-1351

OPERATING STATUS

- 0000 2400
1. REPORTING PERIOD: 770501 770531 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MW): 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>744</u>	<u>3179.29</u>	<u>42775.64</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>51.08</u>	<u>386.39</u>
7. HOURS GENERATOR ON LINE	<u>744</u>	<u>3096.76</u>	<u>41836.31</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,618,267</u>	<u>6,696,044</u>	<u>86,684,730</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>511,097</u>	<u>2,159,408</u>	<u>28,184,074</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>485,812</u>	<u>2,050,435</u>	<u>26,740,026</u>
12. REACTOR SERVICE FACTOR	<u>100</u>	<u>87.75</u>	<u>78.16</u>
13. REACTOR AVAILABILITY FACTOR	<u>100</u>	<u>89.16</u>	<u>78.87</u>
14. UNIT SERVICE FACTOR	<u>100</u>	<u>85.48</u>	<u>76.45</u>
15. UNIT AVAILABILITY FACTOR	<u>100</u>	<u>85.48</u>	<u>76.45</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>98.19</u>	<u>85.11</u>	<u>73.48</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>93.28</u>	<u>80.85</u>	<u>69.80</u>
18. UNIT FORCED OUTAGE RATE	<u>0</u>	<u>13.91</u>	<u>14.94</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
Refueling, November, 4 weeks

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 HBR-23
DATE 770602
COMPLETED BY M. L. Watford
TELEPHONE 332-1351

REPORT MONTH May 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
None						<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 4: OTHER (EXPLAIN)</p>

SUMMARY: The Unit was on the line the entire month.
No shutdowns or trips were experienced.