

50-261

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FILE NUMBER  
MONTHLY REPORT

TO:

Mr. Ernst Volgenau

FROM:

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

DATE OF DOCUMENT

12/13/77

DATE RECEIVED

12/21/77

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DESCRIPTION

LTR TRANS THE FOLLOWING:

(1-P)

PLANT NAME: H. B. Robinson Unit No. 2  
RJL 12/21/77

ENCLOSURE

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

(3-P)

10 ENCL \*

## FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

## INTERNAL DISTRIBUTION

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MR



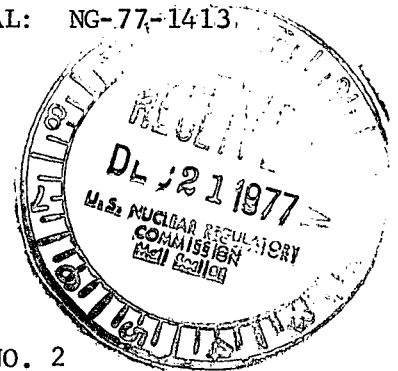
Carolina Power & Light Company  
Raleigh, North Carolina  
December 13, 1977

REGULATORY DOCKET FILE COPY

FILE: NG-3513 (R)

SERIAL: NG-77-1413.

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



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 November, 1977.

Yours very truly,

H. R. Banks  
Manager  
Nuclear Generation

CSR:men

Enclosure

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

773550058

APPENDIX D  
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. DPR - 23

UNIT NAME H. B. Robinson Two

DATE 771205

COMPLETED BY M. L. Watford

TELEPHONE 803-332-1351  
Ext. 138

REPORT MONTH November 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
10-02	771026	F	573.67	A	1	<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>RHR Valve 750 experienced a blown packing</p> <p>(2) METHOD 1: MANUAL 2: MANUAL SCRAM. 3: AUTOMATIC SCRAM 4: OTHER (EXPLAIN)</p>

SUMMARY: The unit accumulated an efpd of 3.891 during the month.  
The unit was off the line due to the replacement of the Boron Injection  
Tank. BIT problems occurred after the RHR Valve 750 outage was initiated.

1.16-13

# APPENDIX C OPERATING DATA REPORT

DOCKET NO. DPR - 23  
UNIT H. B. Robinson Two  
DATE 771205  
COMPLETED BY M. L. Watford  
TELEPHONE 803-332-1351 -  
Ext. 138

OPERATING STATUS    0000            2400

1. REPORTING PERIOD: 771101    771130    GROSS HOURS IN REPORTING PERIOD: 720

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	<u>150.27</u>	<u>6843.50</u>	<u>46,439.85</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>17.73</u>	<u>89.74</u>	<u>425.05</u>
7. HOURS GENERATOR ON LINE	<u>146.33</u>	<u>6724.64</u>	<u>45,464.19</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>205,445</u>	<u>12,707,588</u>	<u>92,696,274</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>63,626</u>	<u>3,972,421</u>	<u>29,997,087</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>56,230</u>	<u>3,746,726</u>	<u>28,436,317</u>
12. REACTOR SERVICE FACTOR	<u>20.87</u>	<u>85.37</u>	<u>78.55</u>
13. REACTOR AVAILABILITY FACTOR	<u>23.33</u>	<u>86.49</u>	<u>79.27</u>
14. UNIT SERVICE FACTOR	<u>20.32</u>	<u>83.89</u>	<u>76.90</u>
15. UNIT AVAILABILITY FACTOR	<u>20.32</u>	<u>83.89</u>	<u>76.90</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>11.74</u>	<u>70.29</u>	<u>72.33</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>11.16</u>	<u>66.77</u>	<u>68.72</u>
18. UNIT FORCED OUTAGE RATE	<u>79.68</u>	<u>15.51</u>	<u>15.09</u>

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

Refueling, February, 6 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 B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23

UNIT H. B. Robinson Two

DATE 771205

COMPLETED BY M. L. Watford

TELEPHONE 803-332-1351

MONTH November 1977

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>317</u>
26	<u>239</u>
27	<u>296</u>
28	<u>389</u>
29	<u>606</u>
30	<u>620</u>
31	<u>-</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.

RECEIVED DOCUMENT  
PROCEDURE UNIT

1977 DEC 21 AM 9 20