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<b>FROM:</b> Carolina Power & Light Company Hartsville, South Carolina E. E. Utley			<b>DATE OF DOC</b> 8-7-74	<b>DATE REC'D</b> 8-12-74	<b>LTR</b> X	<b>TWX</b>	<b>RPT</b>	<b>OTHER</b>
<b>TO:</b> DL			<b>ORIG</b>	<b>CC</b>	<b>OTHER</b>	SENT AEC PDR X SENT LOCAL PDR X		
<b>CLASS</b>	<b>UNCLASS</b>	<b>PROP INFO</b>	<b>INPUT</b>	<b>NO CYS REC'D</b> 1		<b>DOCKET NO:</b> 50-261		

**DESCRIPTION:**  
Ltr re our 2-19-74 ltr.....trans the follow-  
ing:

**ENCLOSURES:**  
Monthly Report for July 1974  
Plant & Component Operability & Availability  
This Report to be use for preparing Grey Book  
by Plans & Operations.

**Do Not Remove  
ACKNOWLEDGED**

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**PLANT NAME:** H. B. Robinson Unit No. 2

**FOR ACTION/INFORMATION**

8-13-74

AB

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Regulatory

cy.

**CP&L**

**Carolina Power & Light Company**

H. B. ROBINSON STEAM ELECTRIC PLANT  
Post Office Box 790  
Hartsville, South Carolina

August 7, 1974



Directorate of Licensing  
Office of Plans and Schedule  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Dear Sirs:

**50 - 261**

H. B. ROBINSON UNIT NO. 2  
LICENSE DPR-23  
MONTHLY OPERATING DATA REPORT

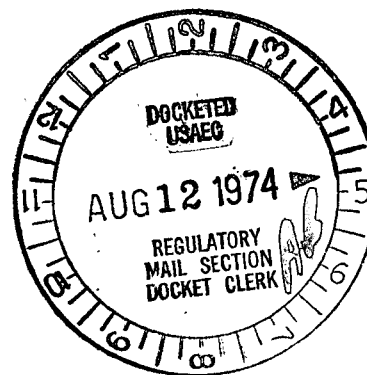
Enclosed please find the H. B. Robinson Unit No. 2 Monthly Operating Data Reports as required by Mr. Muntzing's letter of February 19, 1974. This report is for the period of July, 1974.

Yours very truly,

E. E. Utley  
Vice President  
Bulk Power Supply

JLH:gg

CC: N. B. Bessac  
J. B. McGirt  
AEC Region II Office, Atlanta, Ga.  
W. B. Howell  
D. V. Menscer  
N. C. Moseley  
D. B. Waters



8292

UNIT NAME H. B. Robinson Unit No. 2

DATE 8-7-74

COMPLETED BY Andy Eaddy

O P E R A T I N G   S T A T U S

1. REPORTING PERIOD: 0000,740701 TO 2400,740731

GROSS HOURS IN REPORTING PERIOD: 744

2. CURRENTLY AUTHORIZED POWER LEVEL MWt 2200 MWe-GROSS 739.3

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

4. REASONS FOR RESTRICTIONS (IF ANY): None

	THIS MONTH	YR-TO-DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL. . . . .	<u>737.4</u>	<u>3859.22</u>	<u>23188.89</u>
6. HOURS GENERATOR ON-LINE . . . . .	<u>724.8</u>	<u>3793.82</u>	<u>22106.80</u>
7. GROSS THERMAL POWER GENERATED (MWH) . . .	<u>1547784</u>	<u>7963090</u>	<u>43946098</u>
8. GROSS ELECTRICAL POWER GENERATED (MWH). .	<u>484880</u>	<u>2598323</u>	<u>14254325</u>
9. NET ELECTRICAL POWER GENERATED (MWH). . .	<u>460402</u>	<u>2465861</u>	<u>13475570</u>
10. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>99.11</u>	<u>75.86</u>	<u>68.67</u>
11. PLANT AVAILABILITY FACTOR (2) . . . . .	<u>97.42</u>	<u>74.57</u>	<u>65.47</u>
12. PLANT CAPACITY FACTOR (3) . . . . .	<u>88.15</u>	<u>69.09</u>	<u>57.10</u>
13. FORCED OUTAGE RATE (4). . . . .	<u>2.58</u>	<u>1.15</u>	<u>20.54</u>

14. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH):  
None

15. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: Na

(1) REACTOR AVAILABILITY FACTOR= $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(2) PLANT AVAILABILITY FACTOR= $\frac{\text{HOURS GENERATOR ON LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(3) PLANT CAPACITY FACTOR= $\frac{\text{GROSS ELECTRICAL POWER GENERATED}}{\text{CURRENTLY LICENSED GROSS POWER LEVEL} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(4) FORCED OUTAGE RATE= $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

ENCLOSURE A

Unit Robinson Unit No. 2

DATE 8-7-74

COMPLETED BY Andy Eaddy

DAILY PLANT POWER OUTPUT

MONTH July 1974

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>548</u>	25	<u>650</u>
2	<u>649</u>	26	<u>652</u>
3	<u>661</u>	27	<u>650</u>
4	<u>657</u>	28	<u>632</u>
5	<u>654</u>	29	<u>647</u>
6	<u>615</u>	30	<u>647</u>
7	<u>660</u>	31	<u>646</u>
8	<u>657</u>		
9	<u>659</u>		
10	<u>658</u>		
11	<u>655</u>		
12	<u>655</u>		
13	<u>656</u>		
14	<u>640</u>		
15	<u>654</u>		
16	<u>652</u>		
17	<u>647</u>		
18	<u>169.5</u>		
19	<u>283</u>		
20	<u>635</u>		
21	<u>648</u>		
22	<u>649</u>		
23	<u>648</u>		
24	<u>648</u>		

SUMMARY: On 7-18-74 rod dropped which in turn resulted in shutdown. During startup radial tilt was too high due to xenon building, thus, the reactor was shut back down for the xenon to decay out.

UNIT NAME H. B. Robinson Unit 2

DATE 8-7-74

COMPLETED BY Andy Eaddy

REPORT MONTH July 1974

# PLANT SHUTDOWNS

No.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
1	7-18-74	F	15.52	A	A	Rod Dropped
2	7-19-74	F	3.67	D	A	Radial Tilt High

- (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)
- (2) METHOD:  
 A-MANUAL  
 B-MANUAL SCRAM  
 C-AUTOMATIC SCRAM