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 AUTH. NAME      AUTHOR AFFILIATION  
 CRENSHAW, A.      Carolina Power & Light Co.  
 VAUGHN, G.E.      Carolina Power & Light Co.  
 RECIPIENT NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1992 for Harris Nuclear Plant Unit 1 W/930115 ltr.

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**Carolina Power & Light Company**

Harris Nuclear Plant  
P. O. Box 165  
New Hill, North Carolina 27562

G. E. VAUGHN  
Vice President  
Harris Nuclear Plant

JAN 15 1993

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Washington, DC 20555

HARRIS NUCLEAR PLANT DEPARTMENT UNIT NO. 1  
DOCKET NO. 50-400  
LICENSE NO. NPF-63  
MONTHLY OPERATIONS REPORT

Dear Sirs:

In accordance with Technical Specification 6.9.1.5 for the Harris Nuclear Power Plant, Unit No. 1, Carolina Power & Light Company herewith submits the report of operation statistics and shutdown experience for the month of December 1992.

Yours very truly,

G. E. Vaughn  
Vice President  
Harris Nuclear Plant

APC:kjc

Enclosure

cc: Mr. S. D. Ebnetter (NRC-RII)  
Mr. J. E. Tedrow (NRC-SHNPP)

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PDR ADOCK 05000400  
R PDR

MIS/DATAREP/1/OS4

200034

DOCKET NO.: 050-400  
UNIT: Harris Unit 1  
DATE: December 1992  
COMPLETED BY: Amanda Crenshaw

#### OPERATIONS SUMMARY

Harris Unit 1 operated at 97.45 percent Availability Factor for the referenced month and a 89.86 percent Capacity Factor. There was one power reduction. Details are provided on the Unit Shutdowns and Power Reduction Sheets.

There are 157 fuel assemblies in the reactor vessel and 833 spent fuel assemblies stored in the spent fuel pools. 413 of the spent fuel assemblies are BWR, which were shipped to Harris from CP&L's Brunswick Plant. 196 of the spent fuel assemblies are from CP&L's Robinson Plant.



1  
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8

DOCKET NO. 050-400  
 COMPLETED BY AMANDA CRENSHAW  
 TELEPHONE (919)362-2808

OPERATING STATUS

- |   | NOTES                   |
|---|-------------------------|
| 1. UNIT NAME: HARRIS UNIT 1   |                         |
| 2. REPORTING PERIOD: DECEMBER 92  |                         |
| 3. LICENSED THERMAL POWER (MWT): 2775   | See Operations Summary. |
| 4. NAMEPLATE RATING (GROSS MWE): 950.9  |                         |
| 5. DESIGN ELECTRICAL RATING (NET MWE): 900.0  |                         |
| 6. MAX DEPENDABLE CAPACITY (GROSS MWE): 920.0   |                         |
| 7. MAX DEPENDABLE CAPACITY (NET MWE): 860.0   |                         |
| 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS: None. |                         |

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): None  
 10. REASONS FOR RESTRICTION IF ANY: N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.00	8784.00	49705.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	6580.90	39568.90
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	725.03	6502.08	39056.18
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1835682.48	17374974.30	103351098.78
17. GROSS ELEC. ENERGY GEN. (MWH)	616393.00	5813478.00	34414841.00
18. NET ELEC. ENERGY GENERATED (MWH)	574986.00	5407013.00	32005676.00
19. UNIT SERVICE FACTOR	97.45	74.02	78.58
20. UNIT AVAILABILITY FACTOR	97.45	74.02	78.58
21. UNIT CAP. FACTOR (USING MDC NET)	89.86	71.58	74.87
22. UNIT CAP. FACTOR (USING DER NET)	85.87	68.39	71.55
23. UNIT FORCED OUTAGE RATE	.00	5.05	4.05
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

None.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP:  
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----



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CP&L CO  
RUN DATE 01/11/93  
RUN TIME 14:51:41

PLANT PERFORMANCE DATA SYSTEM  
APPENDIX B - AVERAGE DAILY POWER LEVEL  
HARRIS UNIT 1

PAGE 1  
RPD39-000

DOCKET NO. 050-400  
COMPLETED BY AMANDA CRENSHAW  
TELEPHONE (919)362-2808

DECEMBER 1992

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-11	17	873
2	157	18	884
3	139	19	884
4	356	20	881
5	623	21	888
6	690	22	884
7	812	23	875
8	884	24	886
9	884	25	888
10	882	26	887
11	879	27	886
12	881	28	886
13	883	29	882
14	884	30	884
15	884	31	884
16	879		

1.16 - 8

MIS/DATAREP/4/OS4



11  
10  
9



## UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris  
 DATE: 01/06/93  
 COMPLETED BY: A. P. Crenshaw  
 TELEPHONE: (919) 362-2808

REPORT MONTH: December 1992

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code 4	Component Code 5	Cause and Corrective Action to Prevent Recurrence
92-019	921129	S	0.0	C	5	N/A	N/A	N/A	Unit ramping up following the scheduled Cycle 5 Refueling Outage. Initial criticality was achieved on November 29, 1992, and the unit was synchronized to the grid on December 1, 1992, at 1816 hours. The unit reached 100% power on December 7, 1992. During ramping, a turbine overspeed trip test was satisfactorily performed.

1  
 F: Forced  
 S: Scheduled

2  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

3  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continued  
 5-Reduced Load  
 6-Other

4  
 Exhibit G-Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File  
 (NUREG-0161)  
 5  
 Exhibit 1 -Same Source

