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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 Feb 1993 for Harris Nuclear Plant, unit 1. W/930315 Ltr.

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MR

CP&L

Carolina Power & Light Company

P.O. Box 165 • New Hill, NC 27562

G.E. VAUGHN
Vice President
Harris Nuclear Plant

MAR 15 1993

File Number: SHF/10-15505

Letter Number: H0931007

Document Control Desk
United States Nuclear Regulatory Commission
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 February 1993.

Yours very truly,



G. E. Vaughn
Vice President
Harris Nuclear Plant

APC:kjc

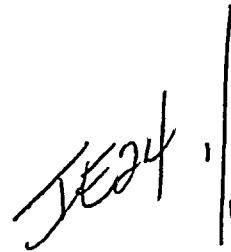
Enclosure

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

9303170242 930228
PDR ADOCK 05000400
R PDR

MIS/MTH-OPR.RPT/1/OS4

180009



DOCKET NO.: 050-400
UNIT: Harris Unit 1
DATE: February 1993
COMPLETED BY: Amanda Crenshaw

OPERATIONS SUMMARY

Harris Unit 1 operated at 100.00 percent Availability Factor for the referenced month and a 102.34 percent Capacity Factor. There was one significant power reduction. Details are provided on the Unit Shutdowns and Power Reduction Sheets.

There are 157 fuel assemblies in the reactor vessel and 861 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. 224 of the spent fuel assemblies are from CP&L's Robinson Plant.



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

OPERATING STATUS

- | | NOTES |
|---|-------------------------|
| 1. UNIT NAME: HARRIS UNIT 1 | |
| 2. REPORTING PERIOD: FEBRUARY 93 | |
| 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	672.00	1416.00	51121.00
12. NUMBER OF HOURS REACTOR CRITICAL	672.00	1416.00	40984.90
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	672.00	1416.00	40472.18
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1852012.80	3858577.56	107209683.00
17. GROSS ELEC. ENERGY GEN. (MWH)	630157.00	1318170.00	35733011.00
18. NET ELEC. ENERGY GENERATED (MWH)	591425.00	1237004.00	33242680.00
19. UNIT SERVICE FACTOR	100.00	100.00	79.17
20. UNIT AVAILABILITY FACTOR	100.00	100.00	79.17
21. UNIT CAP. FACTOR (USING MDC NET)	102.34	101.58	75.61
22. UNIT CAP. FACTOR (USING DER NET)	97.79	97.07	72.25
23. UNIT FORCED OUTAGE RATE	.00	.00	3.92
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 03/05/93
RUN TIME 09:33:37

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

FEBRUARY 1993

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	879	17	890
2	887	18	890
3	886	19	891
4	886	20	889
5	887	21	886
6	885	22	881
7	888	23	889
8	885	24	891
9	888	25	762
10	886	26	815
11	883	27	886
12	888	28	888
13	890		
14	890		
15	890		
16	886		

1.16 - 8

MIS/MTH OPR.RPT/4/OS4

UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris
 DATE: 03/03/93
 COMPLETED BY: A. P. Crenshaw
 TELEPHONE: (919) 362-2808

REPORT MONTH: February 1993

MIS\MTH-OPR.RPT\5\054

No.	Date	T ¹ Type	Duration (Hours)	R ² Reason	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code 4	Component Code 5	Cause and Corrective Action to Prevent Recurrence
93-002	930225	F	0.0	A	5	N/A	HH	PUMP	Reduced unit power to a minimum of 82% following trips of the "A" and then the "B" Heater Drain Pumps (HDP). The "A" HDP tripped following a level perturbation in the 4A Feedwater Heater (FWH). The "B" HDP then tripped on low net positive suction head (NPSH) a short time later. The cause of the level perturbation and the 4A FWH and low NPSH is still under investigation.

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

