



Carolina Power & Light Company
Harris Nuclear Plant
P.O. Box 165
New Hill NC 27562

Serial: HNP-00-002

JAN 14 2000

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
MONTHLY OPERATING REPORT

Dear Sir or Madam:

In accordance with Carolina Power & Light Company's Harris Nuclear Plant Technical Specification 6.9.1.5, the report of operating statistics and shutdown experience for the month of December 1999 is provided.

Sincerely,

D. B. Alexander
Manager, Regulatory Affairs
Harris Plant

SGR

Enclosure

c: Mr. J. B. Brady - NRC Senior Resident Inspector
Mr. R. J. Laufer - NRC Project Manager
Mr. L. A. Reyes - NRC Regional Administrator

5423 Shearon Harris Road New Hill NC

IE04 71

CP&L CO.
RUN DATE 01/07/00
RUN TIME 09:35:11

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
HARRIS UNIT 1

PAGE 1
RPD36-000

DOCKET NO. 050-400
COMPLETED BY SHEILA ROGERS
TELEPHONE (919)362-2573

OPERATING STATUS

1. UNIT NAME: HARRIS UNIT 1
2. REPORTING PERIOD: DECEMBER 99
3. LICENSED THERMAL POWER (MWT): 2775
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:

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE):
10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	8760.00	111049.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.35	8574.95	94800.56
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	705.28	8485.39	93871.00
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1895316.12	23235760.98	252655484.94
17. GROSS ELEC. ENERGY GEN (MWH)	635292.00	7719078.00	84063115.00
18. NET ELEC. ENERGY GENERATED (MWH)	594842.00	7244149.00	78481021.00
19. UNIT SERVICE FACTOR	94.80	96.87	84.53
20. UNIT AVAILABILITY FACTOR	94.80	96.87	84.53
21. UNIT CAP. FACTOR (USING MDC NET)	92.97	96.16	82.18
22. UNIT CAP. FACTOR (USING DER NET)	88.84	91.88	78.52
23. UNIT FORCED OUTAGE RATE	5.20	3.13	3.10

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

Plant Refueling Outage number 9 is planned to begin April 15, 2000,
and is scheduled for a duration of 35 days.

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 _____

CP&L CO.
RUN DATE 01/07/00
RUN TIME 09:35:10

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

PAGE 1
RPD39-000

DOCKET NO. 050-400
COMPLETED BY SHEILA ROGERS
TELEPHONE (919)362-2573

DECEMBER 1999

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	881	17	863
2	879	18	871
3	876	19	870
4	872	20	870
5	870	21	870
6	869	22	873
7	879	23	854
8	879	24	876
9	876	25	877
10	870	26	875
11	878	27	876
12	879	28	877
13	869	29	876
14	108	30	874
15	-3	31	873
16	227		

UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris
 DATE: 12/31/99
 COMPLETED BY: S. G. Rogers
 TELEPHONE: (919) 362-2573

REPORT MONTH: December 1999

NUMBER	DATE	TYPE 1	DURATION (HOURS)	REASON 2	METHOD OF SHUTTING DOWN REACTOR 3	LICENSEE EVENT REPORT #	SYSTEM CODE 4	COMPONENT CODE 5	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
99-006	12/14/99	F	38.72	A	2	99-09	HH	PUMPXX	The Reactor was manually tripped on 12/14/99 @ 03:55 when a ground fault occurred on the "A" Condensate pump, which caused a subsequent trip of the "A" Condensate Booster Pump and "A" Main Feedwater Pump. Repairs were made and the plant sync to grid 12/15/99 @ 18:38 and returned to 100% power 12/17/99 @ 04:00.

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