

CATEGORY 1

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FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
AUTH. NAME AUTHOR AFFILIATION
ROGERS, S. Carolina Power & Light Co.
VANDENBURGH, C. Carolina Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Oct 1998 for Shearon Harris
Nuclear Power Plant. With 981113 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

NOTES: Application for permit renewal filed. 05000400

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

NOV 13 1998

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

Serial: HNP-98-164

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 October 1998 is provided.

Sincerely,

C. A. VanDenburgh
Manager Regulatory Affairs
Harris Plant

SGR

Enclosure

- c: Mr. J. B. Brady - NRC Senior Resident Inspector
Mr. S. C. Flanders - NRC Project Manager
Mr. L. A. Reyes - NRC Regional Administrator

IE24 1/2

5413 Shearon Harris Road New Hill NC

200005

9811200093 981031
PDR ADOCK 05000400
R PDR

CP&L CO.
RUN DATE 11/10/98
RUN TIME 08:58:25

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: OCTOBER 98
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	745.00	7296.00	100825.00
12. NUMBER OF HOURS REACTOR CRITICAL	548.67	7099.67	85409.38
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	548.67	7099.67	84593.21
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1517394.42	19524216.24	227358993.42
17. GROSS ELEC. ENERGY GEN (MWH)	505207.00	6471054.00	75652858.00
18. NET ELEC. ENERGY GENERATED (MWH)	471267.00	6073803.00	70599108.00
19. UNIT SERVICE FACTOR	73.65	97.31	83.90
20. UNIT AVAILABILITY FACTOR	73.65	97.31	83.90
21. UNIT CAP. FACTOR (USING MDC NET)	73.56	96.80	81.42
22. UNIT CAP. FACTOR (USING DER NET)	70.29	92.50	77.80
23. UNIT FORCED OUTAGE RATE	.60	.05	3.13
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Plant shutdown on 10/23/98 and entered RF08. Outage is scheduled for 32 days.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: November 24, 1998
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

CP&L CO.
RUN DATE 11/10/98
RUN TIME 08:58:25

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

OCTOBER 1998

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	855	17	872
2	870	18	868
3	866	19	859
4	859	20	863
5	864	21	872
6	861	22	874
7	858	23	736
8	856	24	-36
9	868	25	-30
10	868	26	-20
11	868	27	-13
12	869	28	-12
13	867	29	-11
14	867	30	-10
15	871	31	-10
16	871		

UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris
 DATE: 10/31/98
 COMPLETED BY: S. G. Rogers
 TELEPHONE: (919) 362-2573

REPORT MONTH: October 1998

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
98-004	10/23/98	F	3.3	A	2	98-007	HA	INSTRU	Plant commenced shutdown for RFO-8 10/23/98 @ 19:23. Turbine Generator valves failed open and Reactor was manually tripped 10/23/98 @ 20:40 due to increasing reactor power and outward rod motion. Plant entered RFO8 which was scheduled to begin 10/23/98 @ 24:00.

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 I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris
 DATE: 10/31/98
 COMPLETED BY: S. G. Rogers
 TELEPHONE: (919) 362-2573

REPORT MONTH: October 1998

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
98-005	10/23/98	S	193.0	C	2	N/A	ZZ	ZZZZZZ	Entered scheduled Refueling outage (RFO-8) 10/23/98@ 24:00. Outage is scheduled for 32 days.

1
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 S: Scheduled

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 Reason:
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 B-Maintenance or Test
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100-100000