# CATEGORY 1

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ROGERS,S. Carolina Power & Light Co.
ALEXANDER,D.B. Carolina Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1998 for Shearon Harris Plant.With 990113 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

NOTES:Application for permit renewal filed. 05000400

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CP&L

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

JAN 1 3 1999

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

Serial: HNP-99-003

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 1998 is provided.

Sincerely,

D. B. Alexander

D. B. Alexander
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

CP&L CO. PLANT PERFORMANCE DATA SYSTEM PAGE 1
RUN DATE 01/04/99 OPERATING DATA REPORT RPD36-000
RUN TIME 11:54:45 HARRIS UNIT 1

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

OPERATING STATUS

1. UNIT NAME: HARRIS UNIT 1
2. REPORTING PERIOD: DECEMBER 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 | 744.00 | 8760.00 | 102289.00 |
| 12. NUMBER OF HOURS REACTOR CRITICAL | 744.00 | 7915.90 | 86225.61 |
| 13. REACTOR RESERVE SHUTDOWN HRS | .00 | .00 | .00 |
| 14. HOURS GENERATOR ON LINE | 744.00 | 7892.07 | 85385.61 |
| 15. UNIT RESERVE SHUTDOWN HOURS | .00 | .00 | .00 |
| 16. GROSS THERMAL ENERGY GEN. (MWH) | 2015895.42 | 21584946.78 | 229419723.96 |
| 17. GROSS ELEC. ENERGY GEN (MWH) | 678762.00 | 7162233.00 | 76344037.00 |
| 18. NET ELEC. ENERGY GENERATED (MWH) | 637123.00 | 6711567.00 | 71236872.00 |
| 19. UNIT SERVICE FACTOR | 100.00 | 90.09 | 83.47 |
| 20. UNIT AVAILABILITY FACTOR | 100.00 | 90.09 | 83.47 |
| 21. UNIT CAP. FACTOR (USING MDC NET) | 99.58 | 89.09 | 80.98 |
| 22. UNIT CAP. FACTOR (USING DER NET) | 95.15 | 85.13 | 77.38 |
| 23. UNIT FORCED OUTAGE RATE | .00 | .04 | 3.10 |

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

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

| | FORECAST | ACHIEVED |
|---|---|---|
| INITIAL CRITICALITY | _____ | _____ |
| INITIAL ELECTRICITY | _____ | _____ |
| COMMERCIAL OPERATION | _____ | _____ |

CP&L CO.
RUN DATE 01/04/99
RUN TIME 11:54:44

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 1998

| DAY | AVG. DAILY POWER LEVEL (MWE-NET) | DAY | AVG. DAILY POWER LEVEL (MWE-NET) |
|---|---|---|---|
| 1 | 530 | 17 | 879 |
| 2 | 664 | 18 | 882 |
| 3 | 856 | 19 | 879 |
| 4 | 866 | 20 | 879 |
| 5 | 865 | 21 | 875 |
| 6 | 861 | 22 | 872 |
| 7 | 860 | 23 | 885 |
| 8 | 861 | 24 | 884 |
| 9 | 872 | 25 | 883 |
| 10 | 877 | 26 | 882 |
| 11 | 876 | 27 | 882 |
| 12 | 874 | 28 | 880 |
| 13 | 872 | 29 | 882 |
| 14 | 870 | 30 | 881 |
| 15 | 868 | 31 | 883 |
| 16 | 868 | | |

UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris
DATE: 12/31/98
COMPLETED BY: S. G. Rogers
TELEPHONE: (919) 362-2573

REPORT MONTH: December 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 | 0.0 | C | 5 | N/A | ZZ | ZZZZZZ | Plant was returned to service on 11/28/98 @ 23:36 and ramp-up to 100% power was complete on 12/03/98 @ 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