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 FACIL:50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH.NAME AUTHOR AFFILIATION
 HALE, M. Carolina Power & Light Co.
 WATSON, R.A. Carolina Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for May 1988 for Harris Nuclear Plant
 Unit 1.W/880610 ltr.

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NOTES: Application for permit renewal filed. 05000400 S

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UNIT: Harris Unit 1
DATE: May 1988
COMPLETED BY: Mark Hale

OPERATIONS SUMMARY

Harris Unit 1 operated at a 100 percent Availability Factor for the month of April with a 101.14 percent capacity factor. There were two load reductions. Details are provided on the Unit Shutdowns and Power Reduction Sheet.

There are 157 fuel assemblies in the reactor and 0 spent fuel bundles in the Harris Unit 1 spent fuel pool and 52 new fuel assemblies in the new fuel pool.

8806130315, 880531
PDR ADOCK 05000400
R DCD

MEM/DATAREPa/1/OS1

IE 24/6

CP&L CO
 RUN DATE 06/01/88
 RUN TIME 13:26:44

PLANT PERFORMANCE DATA SYSTEM
 OPERATING DATA REPORT
 HARRIS UNIT 1

PAGE 1
 RPD36-000

DOCKET NO. 050-400
 COMPLETED BY MARK W. HALE
 TELEPHONE (919)362-2944

OPERATING STATUS

- | | |
|---|------------------------------------|
| 1. UNIT NAME: HARRIS UNIT 1 | NOTES |
| 2. REPORTING PERIOD: MAY 88 | There are 157 fuel elements in the |
| 3. LICENSED THERMAL POWER (MWT): 2775 | Reactor Vessel, 0 elements in the |
| 4. NAMEPLATE RATING (GROSS MWE): 950.9 | Spent Fuel Pools and 52 new fuel |
| 5. DESIGN ELECTRICAL RATING (NET MWE): 900.0 | assemblies in the new fuel pool. |
| 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: N/A | |

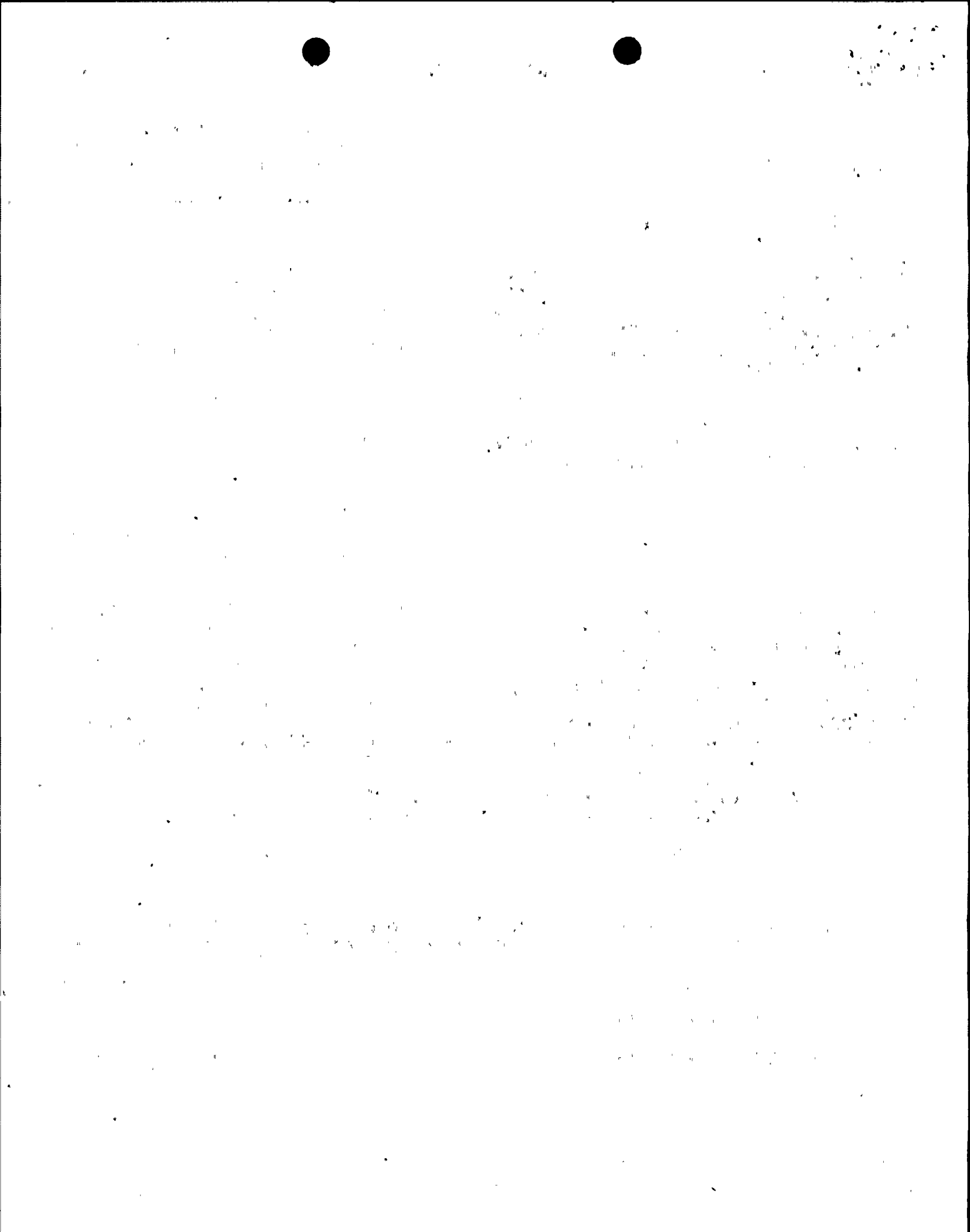
9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): NONE
 10. REASONS FOR RESTRICTION IF ANY: N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.00	3647.00	9504.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	3457.22	7907.11
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	744.00	3445.42	7769.02
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	2056561.38	9468075.78	20618221.14
17. GROSS ELEC. ENERGY GEN. (MWH)	688531.00	3195147.00	6860365.00
18. NET ELEC. ENERGY GENERATED (MWH)	647117.00	2993539.00	6372368.00
19. UNIT SERVICE FACTOR	100.00	94.47	81.74
20. UNIT AVAILABILITY FACTOR	100.00	94.47	81.74
21. UNIT CAP. FACTOR (USING MDC NET)	101.14	95.44	77.96
22. UNIT CAP. FACTOR (USING DER NET)	96.64	91.20	74.50
23. UNIT FORCED OUTAGE RATE	.00	5.53	8.32
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Refueling Outage July 16, 1988 8 weeks

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 06/01/88
RUN TIME 13:26:43

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

PAGE 1
RPD39-000

DOCKET NO. 050-400
COMPLETED BY MARK W. HALE
TELEPHONE (919)362-2944

MAY 1988			
DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	881	17	872
2	882	18	876
3	880	19	874
4	875	20	870
5	874	21	868
6	879	22	866
7	871	23	860
8	870	24	863
9	869	25	864
10	868	26	881
11	872	27	881
12	872	28	878
13	870	29	814
14	868	30	865
15	869	31	865
16	867		

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 6/3/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: MAY 1988

No.	Date	T ¹ y p e	Duration (Hours)	R ² e a s o n	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88-010	880524	S	00	B	5	N/A	RC	ZZZZZZ	Load reduced to 97% to perform core flux mapping. Flux mapping was completed and the unit was returned to full power.

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)

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Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 6/3/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: MAY 1988

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88-011	880529	S	00	B	5	N/A	HA	VALVEX	Load reduced to 70% to perform turbine valve testing. The required tests were completed and the unit was returned to full power.

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



Carolina Power & Light Company

HARRIS NUCLEAR PROJECT
P. O. Box 165
New Hill, North Carolina 27562

JUN 10 1988

File Number: SHF/10-15505
Letter Number: HO-880119 (O)

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United States Nuclear Regulatory Commission
Washington, D.C. 20555

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

Dear Sirs:

In accordance with Technical Specifications 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 May 1988.

Yours very truly,

R. A. Watson
Vice President
Harris Nuclear Project

MWH:acm

Enclosure

cc: Dr. J. Nelson Grace (NRC)
Messrs. J. M. Taylor (NRC)
G. F. Maxwell (NRC-SHNPP)
R. G. Oehl (DOE)

MEM/MoOperRep/1/OS1

1E24
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