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 AUTH. NAME AUTHOR AFFILIATION
 HALE, M.W. Carolina Power & Light Co.
 RICHEY, R.B. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Sept 1990 for Harris Unit 1.W/
901015 ltr.

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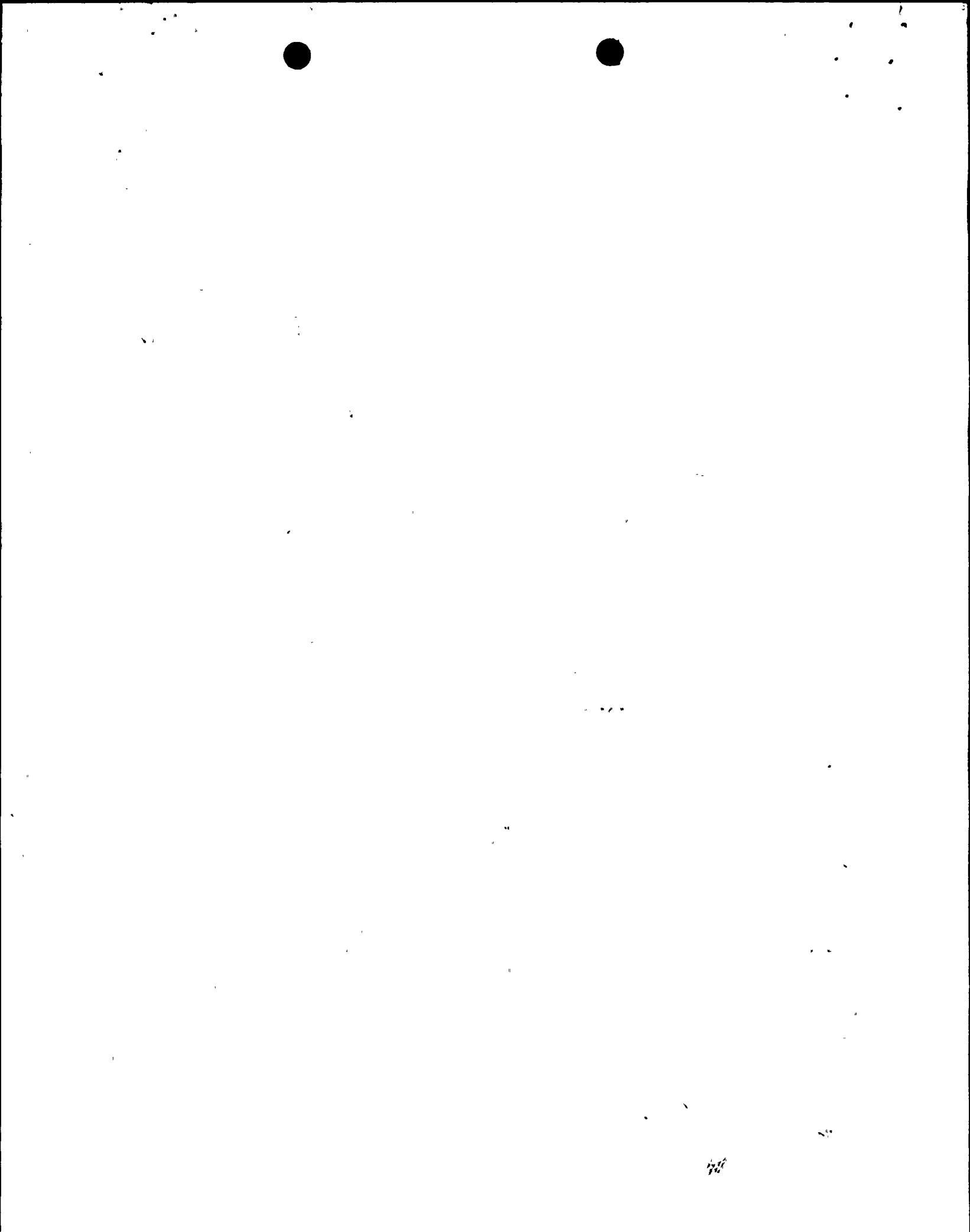
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Monthly Report

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Carolina Power & Light Company

P. O. Box 165 • New Hill, N. C. 27562

OCT 15 1990

R. B. RICHEY
Vice President
Harris Nuclear Project

File Number: SHF/10-15505
Letter Number: HO-903037 (0)

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United States Nuclear Regulatory Commission
Washington, DC 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 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 September 1990.

Yours very truly,

R. B. Richey
Vice President
Harris Nuclear Project

APC:kjc

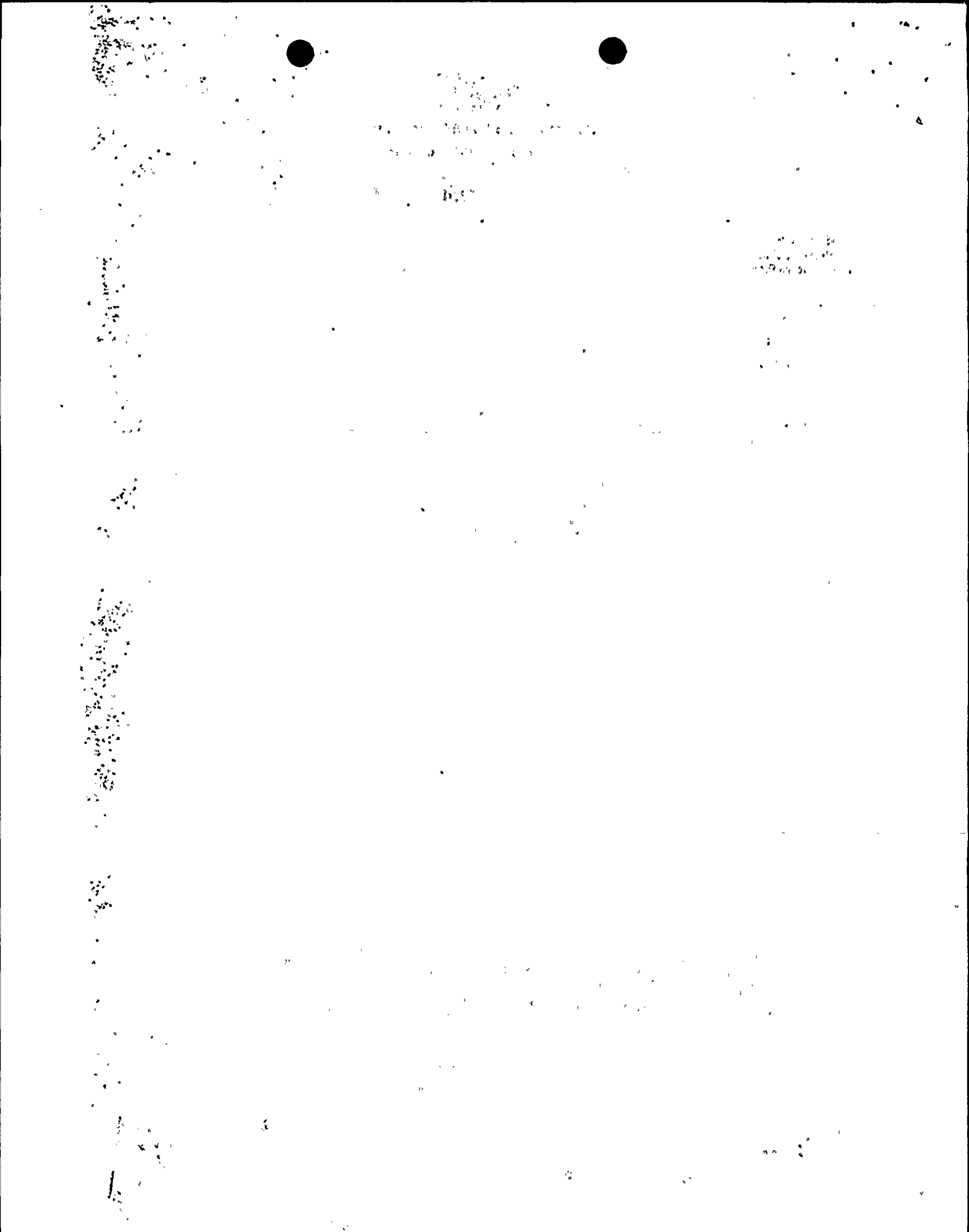
Enclosure

cc: Mr. S. D. Ebnetter (NRC-RII)
Mr. R. G. Oehl (DOE)
Mr. J. E. Tedrow (NRC-SHNPP)

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PDR ADDOCK 05000400
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DOCKET NO.: 050-400
UNIT: Harris Unit 1
DATE: September 1990
COMPLETED BY: Mark Hale

OPERATIONS SUMMARY

Harris Unit 1 operated at a 100 percent Availability Factor for the referenced month and a 94.54 percent Capacity Factor. There were two events. Details are provided on the Unit Shutdowns and Power Reduction Sheet.

There are 157 fuel assemblies in the reactor vessel and 374 spent fuel assemblies in the Spent Fuel Pools. 270 of the spent fuel assemblies are BWR and were shipped to Harris from CP&L's Brunswick Plant.



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

OPERATING STATUS

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. UNIT NAME: HARRIS UNIT 1 2. REPORTING PERIOD: SEPTEMBER 90 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: N/A | <p>NOTES There are 157 fuel assemblies in the reactor and 374 spent fuel assemblies in the Spent Fuel Pools. 270 of the spent fuel assemblies are BWR and were shipped to Harris from BSEP.</p> |
|--|---|

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	720.00	6551.00	29952.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.00	6283.97	24281.54
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	720.00	6266.28	23925.63
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1905232.86	16589687.04	63131365.44
17. GROSS ELEC. ENERGY GEN. (MWH)	624945.00	5504685.00	20954947.00
18. NET ELEC. ENERGY GENERATED (MWH)	585388.00	5144390.00	19482558.00
19. UNIT SERVICE FACTOR	100.00	95.65	79.88
20. UNIT AVAILABILITY FACTOR	100.00	95.65	79.88
21. UNIT CAP. FACTOR (USING MDC NET)	94.54	91.31	75.63
22. UNIT CAP. FACTOR (USING DER NET)	90.34	87.25	72.27
23. UNIT FORCED OUTAGE RATE	.00	2.07	4.21
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Refueling Outage, March 2nd, 1991, 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 10/04/90
RUN TIME 14:02:44

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

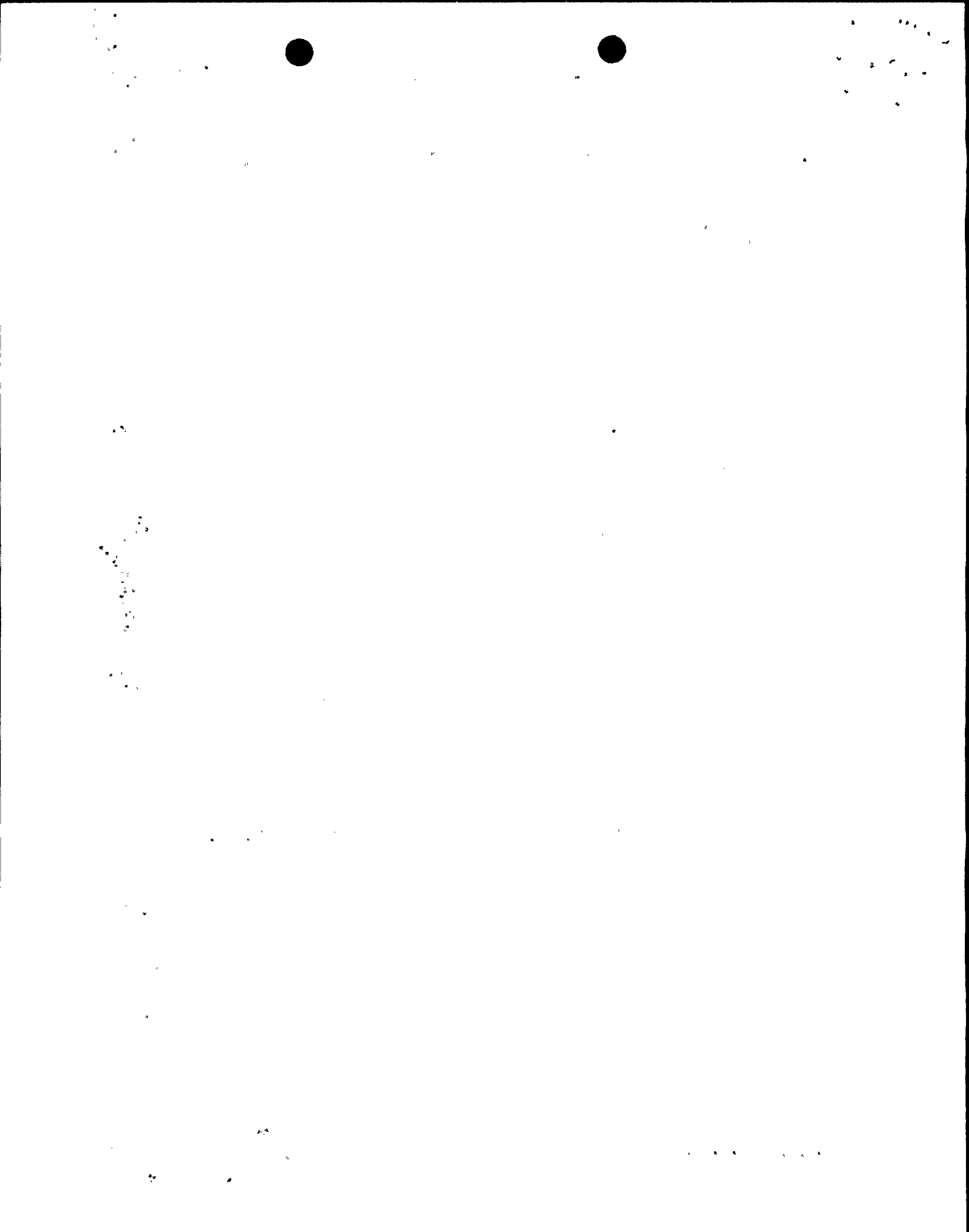
PAGE 1
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DOCKET NO. 050-400
COMPLETED BY MARK W. HALE
TELEPHONE (919)362-2944

SEPTEMBER 1990

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	854	17	870
2	758	18	873
3	846	19	864
4	857	20	834
5	859	21	272
6	852	22	252
7	847	23	838
8	851	24	867
9	856	25	862
10	854	26	856
11	855	27	857
12	857	28	859
13	855	29	859
14	851	30	856
15	858		
16	864		

1.16 - 8



UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris
 DATE: 10/05/90
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: September 1990

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
90-013	900901	S	0.0	B	5	N/A	HF	Valve	Reduced unit power to 70% to perform turbine valve testing. Unit was returned to 100% power September 2, 1990 at 10:50.

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

UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris
 DATE: 10/05/90
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: September 1990

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
90-014	900920	F	0.0	A	5	N/A	HC	Pipe	After plant chemistry data indicated a possible tube leak in the east water box, the unit began reducing power, pausing at 66% to perform a turbine valve test. Condenser tube leak investigation began when the unit reached ~30%. The exact tube could not be identified utilizing the approved testing methods. The attempt to locate the leak was abandoned. Upon returning the unit to full load, the chemistry data revealed the leak had disappeared. This condition is being monitored by chemistry and the system engineer.

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
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 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



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