

DOCKET NO.: 050-400
UNIT: Harris Unit 1
DATE: December 1988
COMPLETED BY: Mark Hale

OPERATIONS SUMMARY

Harris Unit 1 operated at a 85.60 percent Availability Factor for the month of December with a 85.07 percent capacity factor. There was one maintenance outage. Details are provided on the Unit Shutdowns and Power Reduction Sheet.

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

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CP&L CO
 RUN DATE 01/04/89
 RUN TIME 15:37:18

PLANT PERFORMANCE DATA SYSTEM
 OPERATING DATA REPORT
 HARRIS UNIT 1

PAGE 1
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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: DECEMBER 88 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</p> <p>There are 157 fuel assemblies in the reactor and 52 spent fuel assemblies in the spent fuel pool.</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	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	8784.00	14641.00
12. NUMBER OF HOURS REACTOR CRITICAL	645.77	6585.11	11035.00
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	636.90	6460.63	10784.23
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1722828.78	17098517.70	28248663.06
17. GROSS ELEC. ENERGY GEN. (MWH)	583788.00	5735289.00	9400507.00
18. NET ELEC. ENERGY GENERATED (MWH)	544297.00	5327487.00	8706316.00
19. UNIT SERVICE FACTOR	85.60	73.55	73.66
20. UNIT AVAILABILITY FACTOR	85.60	73.55	73.66
21. UNIT CAP. FACTOR (USING MDC NET)	85.07	70.52	69.15
22. UNIT CAP. FACTOR (USING DER NET)	81.29	67.39	66.07
23. UNIT FORCED OUTAGE RATE	.00	4.23	6.82
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

INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----

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

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

DECEMBER 1988

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	890	17	-26
2	869	18	-40
3	844	19	98
4	886	20	813
5	889	21	870
6	886	22	880
7	885	23	879
8	883	24	869
9	888	25	879
10	892	26	886
11	890	27	885
12	891	28	868
13	890	29	887
14	733	30	886
15	-31	31	881
16	-21		

1.16 - 8

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 1/6/89
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: DECEMBER 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
88-026	881214	S	107.10	B	1	N/A	CH	VALVEXX	Unit removed from service to perform maintenance on auxiliary feedwater valves and pressurizer spray valves to improve unit reliability. The maintenance was completed and unit was returned to service.

1

F: Forced
 S: Scheduled

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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)

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Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continued
 5-Reduced Load
 6-Other

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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



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Carolina Power & Light Company

JAN 13 1989

HARRIS NUCLEAR PROJECT

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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 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 December 1988.

Yours very truly,

R. A. Watson
Vice President
Harris Nuclear Project

MWH:msb

Enclosure

cc: Messrs. W. H. Bradford (NRC-SHNPP)
M. L. Ernst (NRC-RII)
R. G. Oehl (DOE)
J. M. Taylor (NRC)

MEM/DATAREPa/1/OS4

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