

CP&L CO
RUN DATE 11/10/87
RUN TIME 10:40:46

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
HARRIS UNIT 1

PAGE 1
RFD36-000

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

OPERATING STATUS

- | | NOTES |
|--|-------|
| 1. UNIT NAME: HARRIS UNIT 1 | |
| 2. REPORTING PERIOD: OCTOBER 87 | |
| 3. LICENSED THERMAL POWER (MWT): 2775 | |
| 4. NAMEPLATE RATING (GROSS MWE): 955.3 | |
| 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: Item #4 Vendor Thermal Kit revised to reflect High Efficiency Low Pressure blades that have been installed on the LP Turbines. Revision issued by vendor September 30, 1987. | |
| 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	745.00	4393.00	4393.00
12. NUMBER OF HOURS REACTOR CRITICAL	215.22	3169.82	3169.82
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	214.87	3053.47	3053.47
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	577881.54	7852319.82	7852319.82
17. GROSS ELEC. ENERGY GEN. (MWH)	194313.00	2556939.00	2556939.00
18. NET ELEC. ENERGY GENERATED (MWH)	175343.00	2347172.00	2347172.00
19. UNIT SERVICE FACTOR	28.84	69.51	69.51
20. UNIT AVAILABILITY FACTOR	28.84	69.51	69.51
21. UNIT CAP. FACTOR (USING MDC NET)	27.37	62.13	62.13
22. UNIT CAP. FACTOR (USING DER NET)	26.15	59.37	59.37
23. UNIT FORCED OUTAGE RATE	.00	13.89	13.89
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

None

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

8711180015 871113
PDR ADUCK 05000400
R PDR

1.16 - 9

MEM/DATAREPa/2/OS3

DE 24
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CP&L CO
RUN DATE 11/10/87
RUN TIME 10:40:43

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

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RFD39-000

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

OCTOBER 1987

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	875	17	-12
2	874	18	-11
3	877	19	-11
4	882	20	-11
5	880	21	-11
6	871	22	-11
7	830	23	-12
8	788	24	-12
9	701	25	-11
10	-36	26	-11
11	-16	27	-11
12	-10	28	-11
13	-6	29	-13
14	-12	30	-11
15	-11	31	-11
16	-11		

1.16 - 8

MEM/DATAREPa/3/OS3

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400

UNIT NAME: Harris

DATE: 11/3/87

COMPLETED BY: M. W. Hale

TELEPHONE: (919) 362-2944

REPORT MONTH: OCTOBER 1987

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
87-041	871007	F	0	A	5	N/A	HH	PUMPXX	Load reduced to 90% due to a casing leak on Heater Drain Pump 1A. Pump was isolated and repaired during the Surveillance Test outage.

1	2	3	4
Reason: F: Forced S: Scheduled	Method: 1-Manual 2-Manual Scram 3-Automatic Scram 4-Continued 5-Reduced Load 6-Other	Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)	Exhibit 1 - Same Source

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 11/3/87
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: OCTOBER 1987

No.	Date	Type	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
87-042	871009	S	530.13	B	1	N/A	ZZ	ZZZZZZ	Unit removed from service to perform scheduled Surveillance Tests and inspections. The inspections included: pipe snubbers, diesel generators, and production equipment. Repairs were implemented to the Steam Generator Blowdown valves, Heater Drain pumps, Main Feed Pumps, Moisture Separator Reheaters, and other production equipment.

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 1 - Same Source

DOCKET NO.: 050-400
UNIT: Harris Unit 1
DATE: October 1987
COMPLETED BY: Mark Hale

OPERATIONS SUMMARY

Harris Unit 1 operated at a 28.84 percent Availability Factor for the month of October with a 27.37 percent capacity factor. There was 1 scheduled shutdown and 1 load reduction. Details are provided in the Unit Shutdowns and Power Reduction sheets.

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



Carolina Power & Light Company

HARRIS NUCLEAR PROJECT
P. O. Box 165
New Hill, North Carolina 27562
NOV 13 1987

File Number: SHF/10-15505
Letter Number: HO-875017 (O)

Document Control Desk
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 October 1987.

Yours very truly,

R. A. Watson
Vice President
Harris Nuclear Project

MWH:gmw

Enclosure

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

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