

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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FACIL:50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina      05000400  
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HALE,M.W.      Carolina Power & Light Co.  
RICHEY,R.B.      Carolina Power & Light Co.  
RECIP.NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Aug 1990 for Harris Nuclear Power Plant Unit 1.W/900913 ltr.

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NOTES:Application for permit renewal filed.      05000400

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**CP&L**

**Carolina Power & Light Company**

P. O. Box 165 • New Hill, N. C. 27562

R. B. RICHEY  
Manager  
Harris Nuclear Project

SEP 13 1990

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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 August 1990.

Yours very truly,



R. B. Richey  
Manager  
Harris Nuclear Project

MWH:mbr

Enclosure

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

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MWR/DATAREPA/1/CP&L

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DOCKET NO.: 050-400  
UNIT: Harris Unit 1  
DATE: August 1990  
COMPLETED BY: Mark Hale

#### OPERATIONS SUMMARY

Harris Unit 1 operated at a 100 percent Availability Factor for the referenced month and a 99.09 percent Capacity Factor. There was one event. Details are provided on the Unit Shutdowns and Power Reduction Sheet.

There are 157 fuel assemblies in the reactor vessel and 338 spent fuel assemblies in the Spent Fuel Pools. 234 of the spent fuel assemblies are BWR and were shipped to Harris from CP&L's Brunswick Plant.

CP&L CO  
 RUN DATE 09/10/90  
 RUN TIME 13:10:57

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 | There are 157 fuel assem-       |  |
| 2. REPORTING PERIOD: AUGUST 90  |  |       | blies in the reactor, 338 spent |  |
| 3. LICENSED THERMAL POWER (MWT): 2775   |  |       | fuel assemblies in Spent Fuel   |  |
| 4. NAMEPLATE RATING (GROSS MWE): 950.9  |  |       | Pools; 234 of the spent fuel    |  |
| 5. DESIGN ELECTRICAL RATING (NET MWE): 900.0  |  |       | assemblies are BWR and were     |  |
| 6. MAX DEPENDABLE CAPACITY (GROSS MWE): 920.0   |  |       | shipped from Brunswick.         |  |
| 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): N/A  
 10. REASONS FOR RESTRICTION IF ANY: none

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.00	5831.00	29232.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	5563.97	23561.54
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	744.00	5546.28	23205.63
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	2057700.24	14684454.18	61226132.58
17. GROSS ELEC. ENERGY GEN. (MWH)	676191.00	4879740.00	20330002.00
18. NET ELEC. ENERGY GENERATED (MWH)	633988.00	4559002.00	18897170.00
19. UNIT SERVICE FACTOR	100.00	95.12	79.38
20. UNIT AVAILABILITY FACTOR	100.00	95.12	79.38
21. UNIT CAP. FACTOR (USING MDC NET)	99.09	90.91	75.17
22. UNIT CAP. FACTOR (USING DER NET)	94.68	86.87	71.83
23. UNIT FORCED OUTAGE RATE	.00	2.33	4.34
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	-----	-----



11/11/11

11/11/11

11/11/11

GP&L CO  
RUN DATE 09/10/90  
RUN TIME 13:10:54

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

AUGUST 1990

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	856	17	854
2	860	18	857
3	859	19	853
4	854	20	851
5	777	21	857
6	852	22	856
7	854	23	856
8	855	24	854
9	861	25	850
10	861	26	847
11	858	27	849
12	856	28	851
13	853	29	853
14	854	30	855
15	858	31	855
16	852		

1.16 - 8

MEM/DATAREPa/3/OS4





1951

1951

UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris  
 DATE: 9/7/90  
 COMPLETED BY: M. W. Hale  
 TELEPHONE: (919) 362-2944

REPORT MONTH: August 1990

No.	Date	T <sup>1</sup> y p e	Duration (Hours)	R <sup>2</sup> e a s o n	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
90-012	900805	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 August 5, 1990, at 12:00.

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