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 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 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 Jan 1990 for Harris Nuclear Power Plant Unit 1. W/900213 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

[FEB 13 1990

File Number: SHF/10-15505
Letter Number: HO-903006 (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 January 1990.

Yours very truly,



R. B. Richey
Manager
Harris Nuclear Project

MWH:kd1

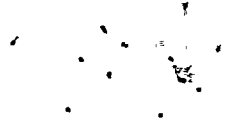
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cc: Messrs. S. D. Ebnetter (NRC-RII)
R. G. Oehl (DOE)
J. E. Tedrow (NRC-SHNPP)

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

OPERATIONS SUMMARY

Harris Unit 1 operated at a 100.00 percent Availability Factor for the month of January with a 97.42 percent Capacity Factor. There was one continued event and one load reduction. Details are provided on the Unit Shutdowns and Power Reduction Sheet.

There are 157 fuel assemblies in the reactor vessel and 194 spent fuel assemblies in Spent Fuel Pool B. 90 of the spent fuel assemblies are BWR and were shipped to Harris from CP&L's Brunswick Plant.



CP&L CO
RUN DATE 02/06/90
RUN TIME 14:09:15

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

JANUARY 1990

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	650	17	877
2	655	18	870
3	653	19	885
4	589	20	888
5	669	21	879
6	812	22	888
7	883	23	887
8	876	24	876
9	869	25	872
10	857	26	888
11	870	27	891
12	878	28	889
13	887	29	879
14	887	30	891
15	819	31	878
16	880		

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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: JANUARY 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, 194 spent fuel assemblies in Spent Fuel Pool B, 90 of the spent fuel assemblies are BWR and were shipped from Brunswick.</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	744.00	744.00	24145.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	744.00	18741.57
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	744.00	744.00	18403.35
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1959332.04	1959332.04	48501010.44
17. GROSS ELEC. ENERGY GEN. (MWH)	665917.00	665917.00	16116179.00
18. NET ELEC. ENERGY GENERATED (MWH)	623305.00	623305.00	14961473.00
19. UNIT SERVICE FACTOR	100.00	100.00	76.22
20. UNIT AVAILABILITY FACTOR	100.00	100.00	76.22
21. UNIT CAP. FACTOR (USING MDC NET)	97.42	97.42	72.05
22. UNIT CAP. FACTOR (USING DER NET)	93.09	93.09	68.85
23. UNIT FORCED OUTAGE RATE	.00	.00	4.76
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	-----	-----

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 2/5/90
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: JANUARY 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
89-028	891227	S	0.0	B	4	N/A	N/A	N/A	Unit operating at reduced load to perform Reactor Physics and Power Ascension Tests. The unit was held at 75% load from 12-28-89, due to 1MS-44 "B" Steam Generator Safety Valve inoperability. The Safety Valve inoperability was resolved by additional on-line testing. The Power Ascension Tests were completed and the unit was returned to full load.

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

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 2/5/90
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: JANUARY 1990

No.	Date	T ¹ Type	Duration (Hours)	R ² Reason	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
90-001	900115	S	0.0	B	5	N/A	EG	Blower	Load reduced to 70% for inspection of a failed Iso-phase bus duct cooling fan and housing. The primary air fan bearings failed, resulting in the fan rubbing the duct housing. Final repair to be implemented at a later date. Unit was returned to full load.

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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4
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