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RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Nov 1990 for Harris Unit 1.W/ 901214 ltr.

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R. B. RICHEY
Vice President
Harris Nuclear Project

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

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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 November 1990.

Yours very truly,

C S Hinnant for

R. B. Richey
Vice President
Harris Nuclear Project

MWH:smh

Enclosure

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

MEM/DATAREPa/1/OS4

1/1

IE24

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

OPERATIONS SUMMARY

Harris Unit 1 operated at a 35.17 percent Availability Factor for the referenced month and a 29.55 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 410 spent fuel assemblies in the Spent Fuel Pools. 306 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

1. UNIT NAME: HARRIS UNIT 1
2. REPORTING PERIOD: NOVEMBER 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

NOTES There are 157 fuel assemblies in the reactor vessel and 410 spent fuel assemblies in the Spent Fuel Pools. 306 of the spent fuel assemblies are BWR and were shipped from Brunswick.

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): None.
10. REASONS FOR RESTRICTION IF ANY: N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720.00	8016.00	31417.00
12. NUMBER OF HOURS REACTOR CRITICAL	266.99	7295.96	25293.53
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	253.20	7264.48	24923.83
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	629303.40	19111489.38	65653167.78
17. GROSS ELEC. ENERGY GEN. (MWH)	206946.00	6334592.00	21784854.00
18. NET ELEC. ENERGY GENERATED (MWH)	183004.00	5909514.00	20247682.00
19. UNIT SERVICE FACTOR	35.17	90.62	79.33
20. UNIT AVAILABILITY FACTOR	35.17	90.62	79.33
21. UNIT CAP. FACTOR (USING MDC NET)	29.55	85.72	74.94
22. UNIT CAP. FACTOR (USING DER NET)	28.24	81.91	71.61
23. UNIT FORCED OUTAGE RATE	.00	1.79	4.05

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: 12/09/90
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

	FORECAST	ACHIEVED
INITIAL CRITICALITY	---------	---------
INITIAL ELECTRICITY	---------	---------
COMMERCIAL OPERATION	---------	---------

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

NOVEMBER 1990

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	867	17	-12
2	866	18	-13
3	867	19	-13
4	866	20	-13
5	863	21	-13
6	870	22	-15
7	870	23	-18
8	871	24	-20
9	863	25	-19
10	85	26	-30
11	-32	27	-35
12	-34	28	-38
13	-15	29	-37
14	-13	30	130
15	-13		
16	-12		

UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris
DATE: 12/10/90
COMPLETED BY: M. W. Hale
TELEPHONE: (919) 362-2944
REPORT MONTH: November 1990

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
90-017	901110	S	466.8	A	1	N/A	CC	HTEXCH	Unit removed from service to perform maintenance on steam generator "A" due to a primary to secondary tube leak. The leak was identified by pressurizing the secondary side to 500 psig. The leaking tube was plugged along with an adjacent tube that exhibited signs of wear.

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

MEM/DATAREPa/4/OS4

UNIT SHUTDOWNS AND POWER REDUCTION

UNIT NAME: Harris
DATE: 12/10/90
COMPLETED BY: M. W. Hale
TELEPHONE: (919) 362-2944

REPORT MONTH: November 1990

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
90-018	901129	S	0.0	H	5	N/A	HG	ZZZZZZ	Unit was operated at a reduced power ~30%, due to secondary chemistry limitations. The chemistry was allowed to return to specification and the unit was ramped to 90% power.

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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Exhibit 1 - Same Source

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