

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8804190123 DOC. DATE: 88/03/31 NOTARIZED: NO DOCKET #
 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH. NAME AUTHOR AFFILIATION
 HALE, M. Carolina Power & Light Co.
 WATSON, R.A. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Mar 1988.W/880414 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 7
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES: Application for permit renewal filed. 05000400

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	BUCKLEY, B		1	0	
INTERNAL:	ACRS		10	10	
	AEOD/DSP/TPAB		1	1	
	NRR/DLPQ/PEB 11		1	1	
	NRR/DREP/RPB 10		1	1	
	<u>REG FILE</u> 01		1	1	
EXTERNAL:	EG&G GROH, M		1	1	
	NRC PDR		1	1	
	PD2-1 PD		5	5	
	AEOD/DOA		1	1	
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DOCKET NO.: 050-400
UNIT: Harris Unit 1
DATE: March 1988
COMPLETED BY: Mark Hale

OPERATIONS SUMMARY

Harris Unit 1 operated at a 72.91 percent Availability Factor for the month of March with a 70.23 percent capacity factor. There was one Reactor Trip, one Manual shutdown, and one load reduction. Details are provided on the Unit Shutdowns and Power Reduction Sheet.

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

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PDR ADOCK 05000400
R DCD

MEM/DATAREPa/1/OS4

FE24
1/1

CP&L CO
 RUN DATE 04/07/88
 RUN TIME 08:37:18

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

- | | NOTES |
|---|---|
| 1. UNIT NAME: HARRIS UNIT 1 | |
| 2. REPORTING PERIOD: MARCH 88 | |
| 3. LICENSED THERMAL POWER (MWT): 2775 | |
| 4. NAMEPLATE RATING (GROSS MWE): 950.9 | There are 157 fuel elements in the reactor vessel and 0 elements in the spent fuel pools. |
| 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 | |

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	2184.00	8041.00
12. NUMBER OF HOURS REACTOR CRITICAL	554.22	1994.22	6444.11
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	542.42	1982.42	6306.02
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1446278.94	5423104.80	16573250.16
17. GROSS ELEC. ENERGY GEN. (MWH)	485132.00	1835783.00	5501001.00
18. NET ELEC. ENERGY GENERATED (MWH)	449380.00	1716269.00	5095098.00
19. UNIT SERVICE FACTOR	72.91	90.77	78.42
20. UNIT AVAILABILITY FACTOR	72.91	90.77	78.42
21. UNIT CAP. FACTOR (USING MDC NET)	70.23	91.38	73.68
22. UNIT CAP. FACTOR (USING DER NET)	67.11	87.32	70.40
23. UNIT FORCED OUTAGE RATE	27.09	9.23	10.05
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Refueling Outage July 16, 1988 7 weeks

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 | ----- | ----- |

CP&L CO
RUN DATE 04/07/88
RUN TIME 08:37:17

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

MARCH 1988

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	884	17	878
2	878	18	870
3	874	19	766
4	868	20	-21
5	883	21	-20
6	884	22	-22
7	877	23	-21
8	871	24	-17
9	600	25	-17
10	73	26	-20
11	836	27	70
12	874	28	740
13	871	29	875
14	881	30	875
15	880	31	873
16	880		

1.16 - 8

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 4/5/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: MARCH 1988

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 *
88-006	880309	F	21.38	A	3	88-07	HH	ELECON	Automatic Reactor scram from 100% power due to low steam generator level/steam flow feed flow mismatch. This was caused by a loose fuse in the Feedwater Isolation Circuit for the "B" Main Feedwater Regulating Valve. This caused the regulating valve to fall closed. The investigation revealed a loose renewable fuse on the solenoid caused a loss of continuity. The fuse was replaced with a nonrenewable type and the unit was returned to service.

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

* Corrective action to prevent recurrence per the Licensee Event Report.

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 4/5/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: MARCH 1988

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88-007	880319	F	00	A	5	N/A	HJ	PIPEXX	Load reduction to 90% due to the trip of a Heater Drain pump. The trip was due to a failure in the extraction steam system discussed in the next entry.

1

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 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
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 G-Operational Error (Explain)
 H-Other (Explain)

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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: 4/5/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: MARCH 1988

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88-008	880320	F	180.20	A	1	N/A	HJ	PIPEXX	While investigating entry 88-007, secondary chemistry parameters indicated a condenser tube leak. The unit was removed from service to investigate. The investigation revealed damaged extraction steam expansion joints on the low pressure turbine. The joints were replaced with spares and a study is underway to evaluate replacement of all extraction steam expansion joints with joints of a different type of material in a future outage. The damaged condenser tubes were plugged and the unit was returned to full 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-Continued
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4

Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5

Exhibit 1 - Same Source





Carolina Power & Light Company

HARRIS NUCLEAR PROJECT
PO Box 165
New Hill, North Carolina 27562

APR 14 1988

File Number: SHF/10-15505
Letter Number: HO-884015 (0)

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 March 1988.

Yours very truly,

R. A. Watson
Vice President
Harris Nuclear Project

MWH:sdg

Enclosure

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

MEM/HO-8840150/1/OS4

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