

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS).

ACCESSION NBR: 9005160036 DOC. DATE: 90/04/30 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.
 RICHEY, R.B. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Apr 1990 for Harris Unit 1.W/
900510 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 8
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES: Application for permit renewal filed. 05000400

	RECIPIENT ID CODE/NAME	COPIES LTTR	ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	ENCL
	PD2-1 LA BECKER, D	3 1	3 1	PD2-1 PD	1	1
INTERNAL:	ACRS	10	10	AEOD/DOA	1	1
	AEOD/DSP/TPAB	1	1	IRM TECH ADV	2	2
	NRR/DLPO/TREB10	1	1	NRR/DOEA/OEAB11	1	1
	<u>REG FILE</u> 01	1	1	RGN2	1	1
EXTERNAL:	EG&G STUART, V.A	1	1	LPDR	1	1
	NRC PDR	1	1	NSIC	1	1

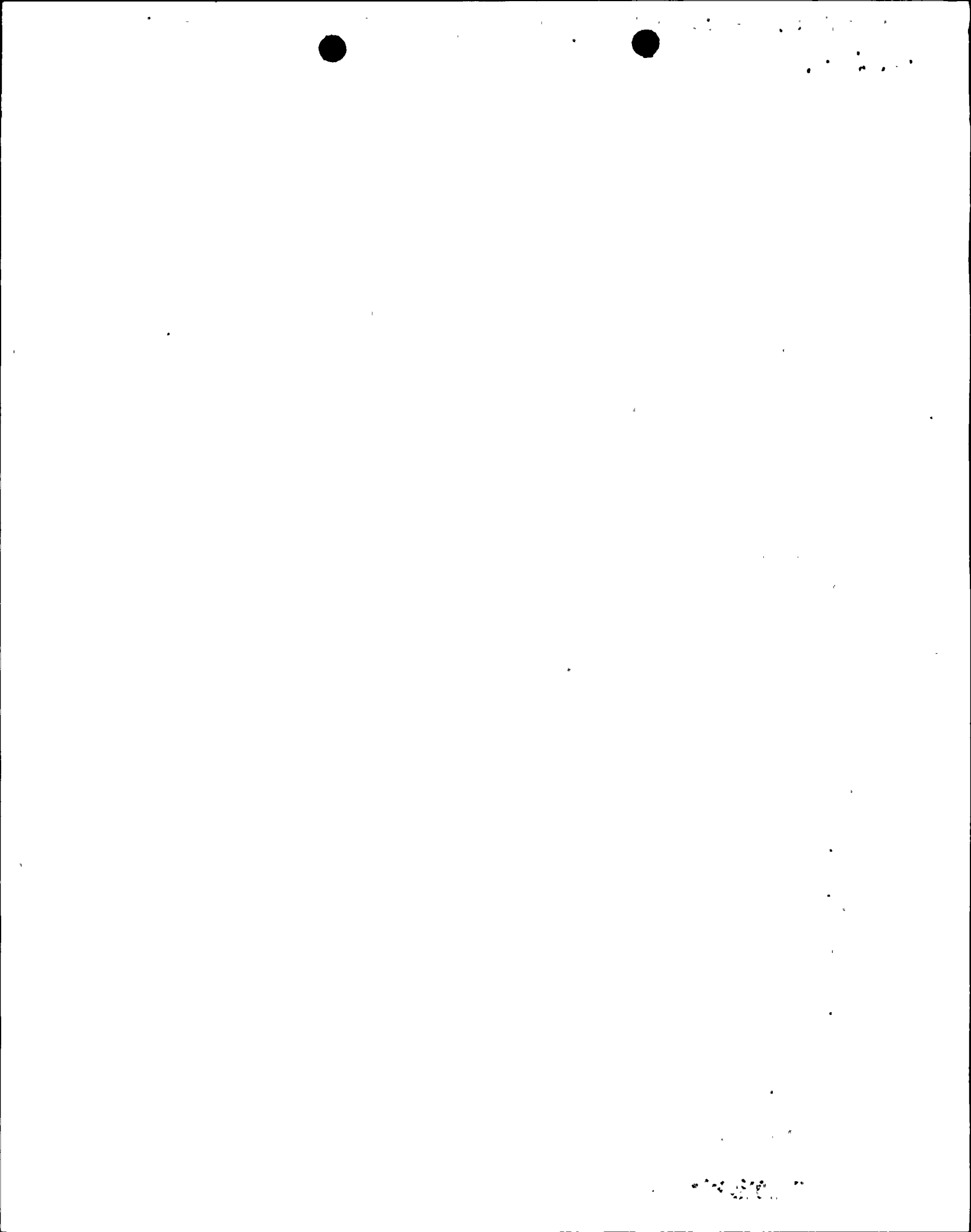
NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 27 ENCL 27

Monthly Report

R
I
D
S
/
A
D
D
S
/
A
D
D
S



CP&L

Carolina Power & Light Company

P. O. Box 165 • New Hill, N. C. 27562

R. B. RICHEY
Manager
Harris Nuclear Project

MAY 10 1990

File Number: SHF/10-15505
Letter Number: HO-903015 (O)

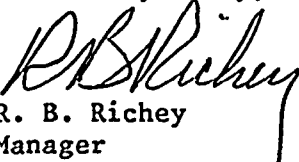
Document Control Desk
United States Nuclear Regulatory Commission
Washington, DC 20555

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 April 1990.

Yours very truly,



R. B. Richey
Manager
Harris Nuclear Project

MWH:kdl

Enclosure

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

9005160036 900430
PDR ADOCK 05000400
R PDC

MEM/DATAREPa/1/OS4

IF24
11

United States Nuclear Regulatory Commission
Page 2

...bcc: Mr. H. R. Banks
Mr. T. A. Baxter (Shaw, Pittman, Potts, & Trowbridge)
Mr. T. C. Bell
Mr. R. K. Buckles (LIS)
Mr. C. Carmichael (2)
Mr. R. M. Coats (2)
Mr. C. W. Crawford
Mr. A. B. Cutter/EJW/SM
Mr. G. L. Forehand
Mr. F. I. Frazier
Mr. J. F. Garibaldi (Ebasco)
Mr. M. R. Graybeal
Mr. J. G. Hammond
Mr. M. D. Hill
Mr. W. J. Hindman, Jr.
Mr. C. S. Hinnant
Mr. D. E. Hollar
Mr. L. H. Martin
Ms. R. Morgan
Mr. J. F. Nevill
Mr. D. L. Tibbitts
Mr. J. Whiteman
Mr. E. E. Willett

Day File
Document Services
File: HI/A-2D
SHNPP Reg. Compliance (HX-0941)
INPO

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

OPERATIONS SUMMARY

Harris Unit 1 operated at a 100.00 percent Availability Factor for the referenced month and a 92.54 percent Capacity Factor. There was one continued and two additional load reductions. Details are provided on the Unit Shutdowns and Power Reduction Sheet.

There are 157 fuel assemblies in the reactor vessel and 230 spent fuel assemblies in Spent Fuel Pool B. 126 of the spent fuel assemblies are BWR and were shipped to Harris from CP&L's Brunswick Plant.

CP&L-CO.
 RUN DATE 05/08/90
 RUN TIME 08:07:44

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 | |
| 2. REPORTING PERIOD: APRIL 90 | | assemblies in the reactor, 230 | |
| 3. LICENSED THERMAL POWER (MWT): 2775 | | spent fuel assemblies in Spent | |
| 4. NAMEPLATE RATING (GROSS MWE): 950.9 | | Fuel Pool B, 126 of the spent fuel | |
| 5. DESIGN ELECTRICAL RATING (NET MWE): 900.0 | | assemblies are BWR and were shipped | |
| 6. MAX DEPENDABLE CAPACITY (GROSS MWE): 920.0 | | 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): None.
 10. REASONS FOR RESTRICTION IF ANY: N/A

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	719.00	2879.00	26280.00
12. NUMBER OF HOURS REACTOR CRITICAL	719.00	2879.00	20876.57
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	719.00	2879.00	20538.35
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1845299.52	7459546.32	54001224.72
17. GROSS ELEC. ENERGY GEN. (MWH)	612070.00	2509575.00	17959837.00
18. NET ELEC. ENERGY GENERATED (MWH)	572237.00	2347521.00	16685689.00
19. UNIT SERVICE FACTOR	100.00	100.00	78.15
20. UNIT AVAILABILITY FACTOR	100.00	100.00	78.15
21. UNIT CAP. FACTOR (USING MDC NET)	92.54	94.81	73.83
22. UNIT CAP. FACTOR (USING DER NET)	88.43	90.60	70.55
23. UNIT FORCED OUTAGE RATE	.00	.00	4.29
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	-----	-----



.....

..

.....

..

..

..

..

..

..

.....

CP&L CO.
RUN DATE 05/08/90
RUN TIME 08:07:41

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

APRIL 1990

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	277	17	864
2	850	18	878
3	881	19	874
4	883	20	865
5	878	21	849
6	872	22	181
7	884	23	597
8	884	24	859
9	880	25	858
10	830	26	858
11	394	27	842
12	739	28	858
13	871	29	872
14	870	30	869
15	870		
16	869		

1.16 - 8



Small, faint, illegible marks or characters in the top right corner.

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 5/4/90
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: APRIL 1990

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
90-004	900330	F	0.0	B	4	N/A	HH	VALVE	Load reduced to 14% to perform maintenance on valve 1FW-232, a level transmitter root isolation valve on Steam Generator "1C." The valve was leaking approximately 2 - 3 gpm. The valve was backseated and repacked to correct the leak. In addition, to correct a high vibration problem that existed on Condensate Booster Pump "1A", pump skid supports were added and additional vibration instruments were installed to monitor the repair. The maintenance activities were completed and the unit was restored 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: 5/4/90
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: APRIL 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
90-005	900410	F	0.0	B	5	N/A	HH	MOTOR	Load reduced to 50% to perform maintenance on Main Feedwater Pump Motor "1A." The inboard motor bearings were replaced on MFW Pump "1A." The motor was realigned to the pump. Additional vibration instrumentation was installed to monitor the repair. The maintenance activities were completed and 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 I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 5/4/90
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: APRIL 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
90-006	900421	F	0.0	A	5	N/A	HC	PIPE	Load reduced to 30% to perform condenser tube leak inspection. The leaking tube was determined to be in the east waterbox however, the exact tube could not be identified due to the small leak rate. The attempt to locate the leaking tube was abandoned and unit was returned to full load. The leak is being monitored and another load reduction will be required if the condition worsens.

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 I - Same Source