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ACCESSION NBR: 8808190274 DOC. DATE: 88/07/31 NOTARIZED: NO DOCKET #
 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH. NAME AUTHOR AFFILIATION
 HALE, M.W. Carolina Power & Light Co.
 WATSON, R.A. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jul 1988 for Harris Unit 1.
 W/880815 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 9
 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/DOA	1 1
	AEOD/DSP/TPAB	1 1	ARM TECH ADV	2 2
	NRR/DLPQ/PEB 11	1 1	NRR/DOEA/EAB 11	1 1
	NRR/DREP/RPB 10	1 1	NUDOCS-ABSTRACT	1 1
	<u>REG FILE</u> 01	1 1	RGN2	1 1
EXTERNAL:	EG&G WILLIAMS, S	1 1	LPDR	1 1
	NRC PDR	1 1	NSIC	1 1

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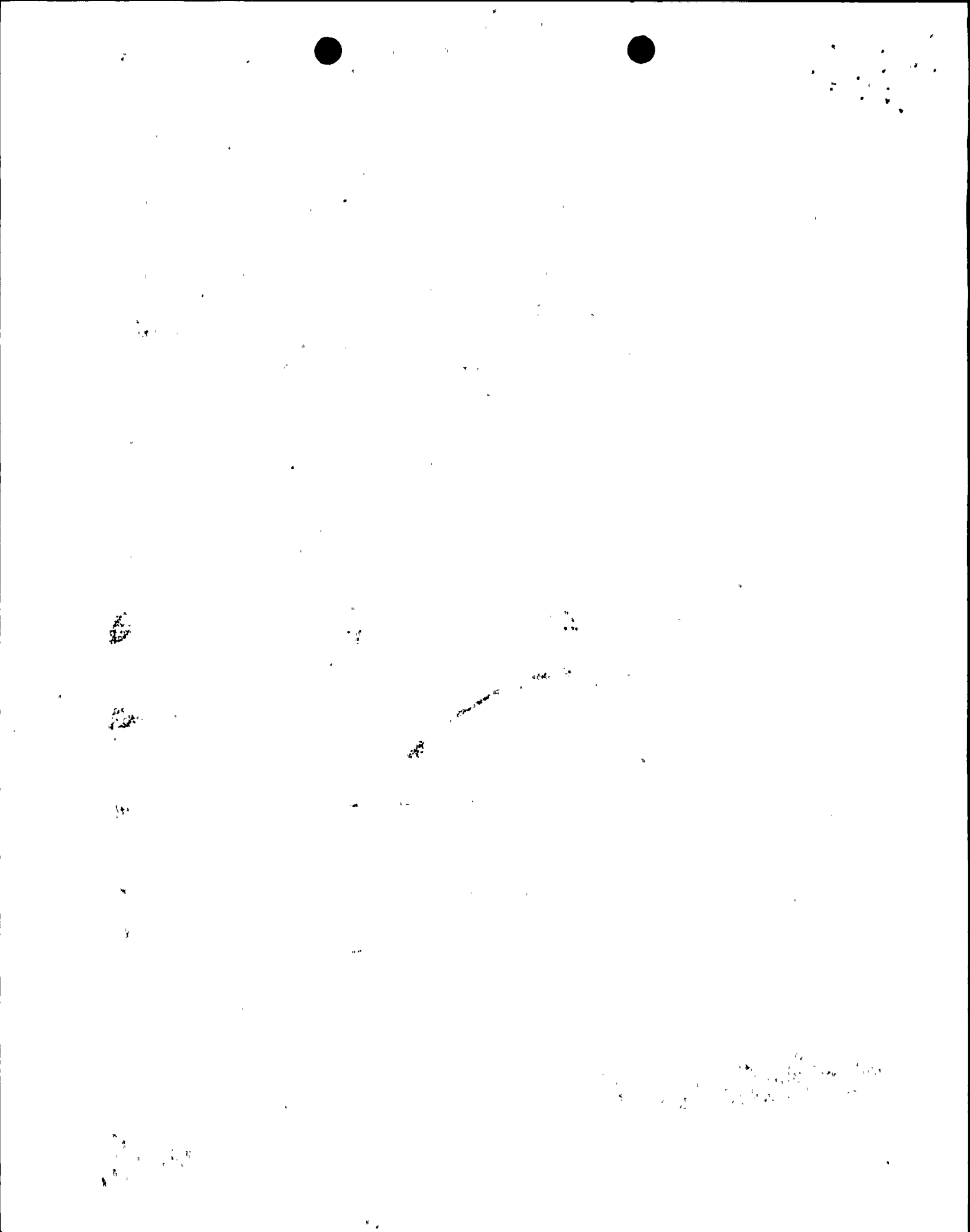
DOCKET NO.: 050-400
UNIT: Harris Unit 1
DATE: July 1988
COMPLETED BY: Mark Hale

OPERATIONS SUMMARY

Harris Unit 1 operated at a 94.04 percent Availability Factor for the month of July with a 81.44 percent capacity factor. There were four load reductions and one offline refueling outage, the refueling outage is in progress. Details are provided on the Unit Shutdowns and Power Reduction Sheet.

There are 157 fuel assemblies in the reactor and 52 new fuel assemblies in the Harris Unit 1 spent fuel pool and 0 assemblies in the new fuel pool.

8808190274 880731
PDR ADDCK 05000400
R PNU



CP&L CO
 RUN DATE 08/11/88
 RUN TIME 08:42:25

PLANT PERFORMANCE DATA SYSTEM
 OPERATING DATA REPORT
 HARRIS UNIT 1

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: JULY 88 3. LICENSED THERMAL POWER (MWT): 2775 4. NAMEPLATE RATING (GROSS MWE): 950.9 5. DESIGN ELECTRICAL RATING (NET MWE): 900.0 6. MAX DEFENDABLE CAPACITY (GROSS MWE): 920.0 7. MAX DEFENDABLE 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 | <p>NOTES</p> <p>There are 157 fuel assemblies in the Reactor Vessel, 52 new fuel assemblies stored in the spent fuel pool for the fuel shuffle.</p> |
|---|---|

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.00	5111.00	10968.00
12. NUMBER OF HOURS REACTOR CRITICAL	700.43	4877.65	9327.54
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	699.63	4865.05	9188.65
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1709582.04	13106387.16	24256532.52
17. GROSS ELEC. ENERGY GEN. (MWH)	561497.00	4396889.00	8062107.00
18. NET ELEC. ENERGY GENERATED (MWH)	521056.00	4114828.00	7493657.00
19. UNIT SERVICE FACTOR	94.04	95.19	83.78
20. UNIT AVAILABILITY FACTOR	94.04	95.19	83.78
21. UNIT CAP. FACTOR (USING MDC NET)	81.44	93.62	79.45
22. UNIT CAP. FACTOR (USING DER NET)	77.82	89.45	75.91
23. UNIT FORCED OUTAGE RATE	.00	3.98	7.13
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Refueling Outage July 30, 1988 ,8 weeks

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 9/23/88
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----

CP&L CO
RUN DATE 08/11/88
RUN TIME 08:42:24

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

JULY 1988

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	872	17	755
2	864	18	753
3	868	19	657
4	869	20	634
5	867	21	682
6	860	22	683
7	857	23	640
8	857	24	254
9	801	25	532
10	853	26	694
11	853	27	702
12	856	28	698
13	855	29	658
14	771	30	-17
15	759	31	-31
16	755		

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 8/5/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: JULY 1988

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
88-013	880709	F	00	A	5	N/A	HH	VALVOP	Turbine Runback to 90% due to the trip of 1A Heater Drain Pump. The pump tripped as a result of a sticking level control valve (LCV) on the 5A heater which caused the failure of a 4A heater LCV. The 5A LCV was lubricated and a broken air line on the 4A LCV was repaired. A plant change request was initiated to install flexible air lines on critical BOP valves to prevent future failures. 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
 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: 8/5/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: JULY 1988

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
88-014	880713	S	00	F	5	N/A	ZZ	ZZZZZZ	Load reduced to 90% for fuel conservation. The load was reduced to 80% on 7/20/88 and increased to 83% on 7/25/88. The above measures were required to meet system demands.

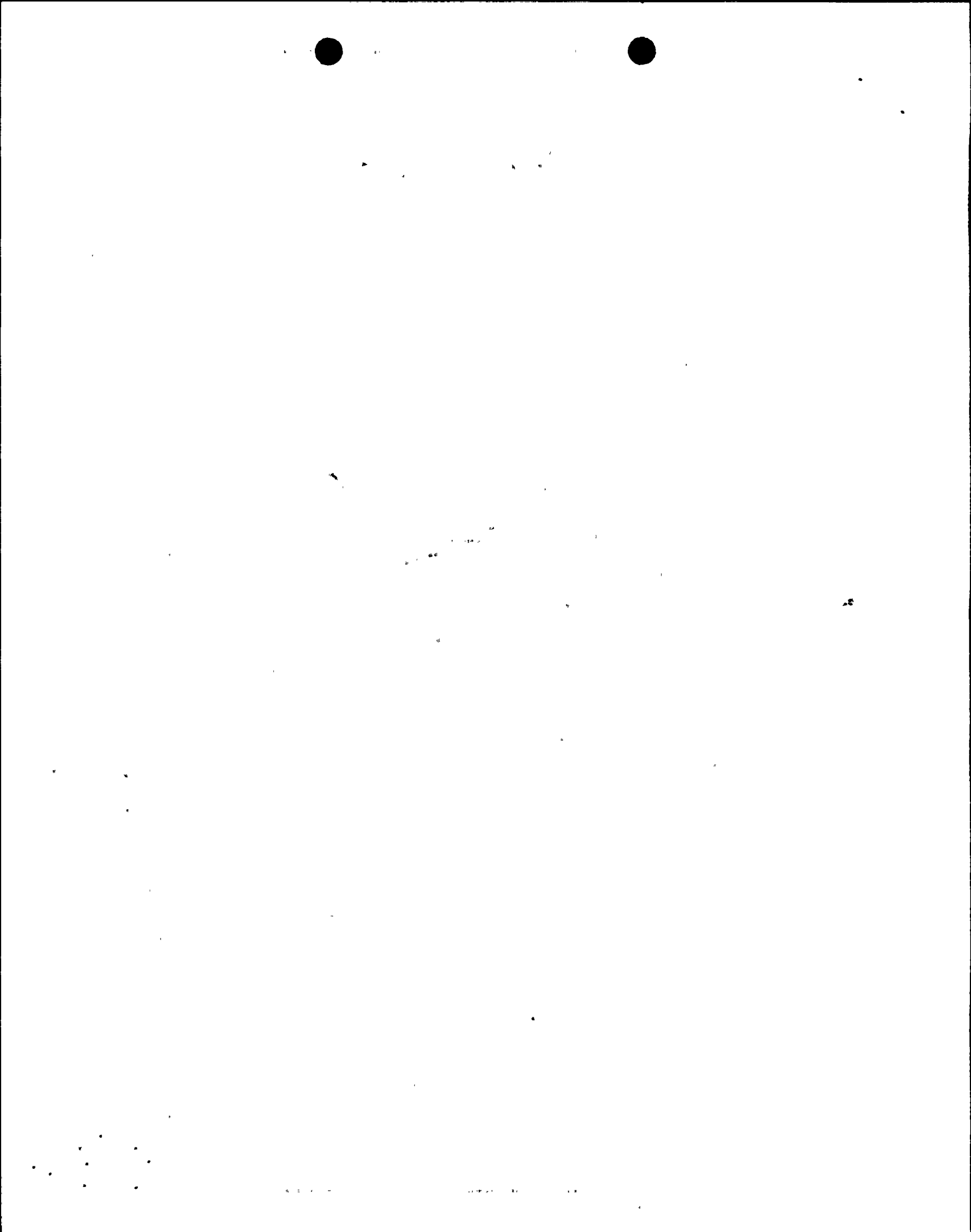
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 UNIT NAME: Harris
 DATE: 8/5/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: JULY 1988

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
88-015	880720	S	00	B	5	N/A	HA	VALVEX	Load reduced to 70% to perform Turbine Valve Testing. The required tests were completed and unit was returned to 80% for fuel conservation.

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UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 8/5/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: JULY 1988

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
88-016	880723	F	00	A	5	N/A	HC	HTEXCH	Load reduced to 30% due to secondary chemistry parameters indication of a condenser tube leak. The west water box was isolated and drained. An investigation revealed 1 leaking tube. The leaking tube was plugged and 3 additional surrounding tubes were plugged as a preventive measure. The unit was returned to 83% for fuel conservation.

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

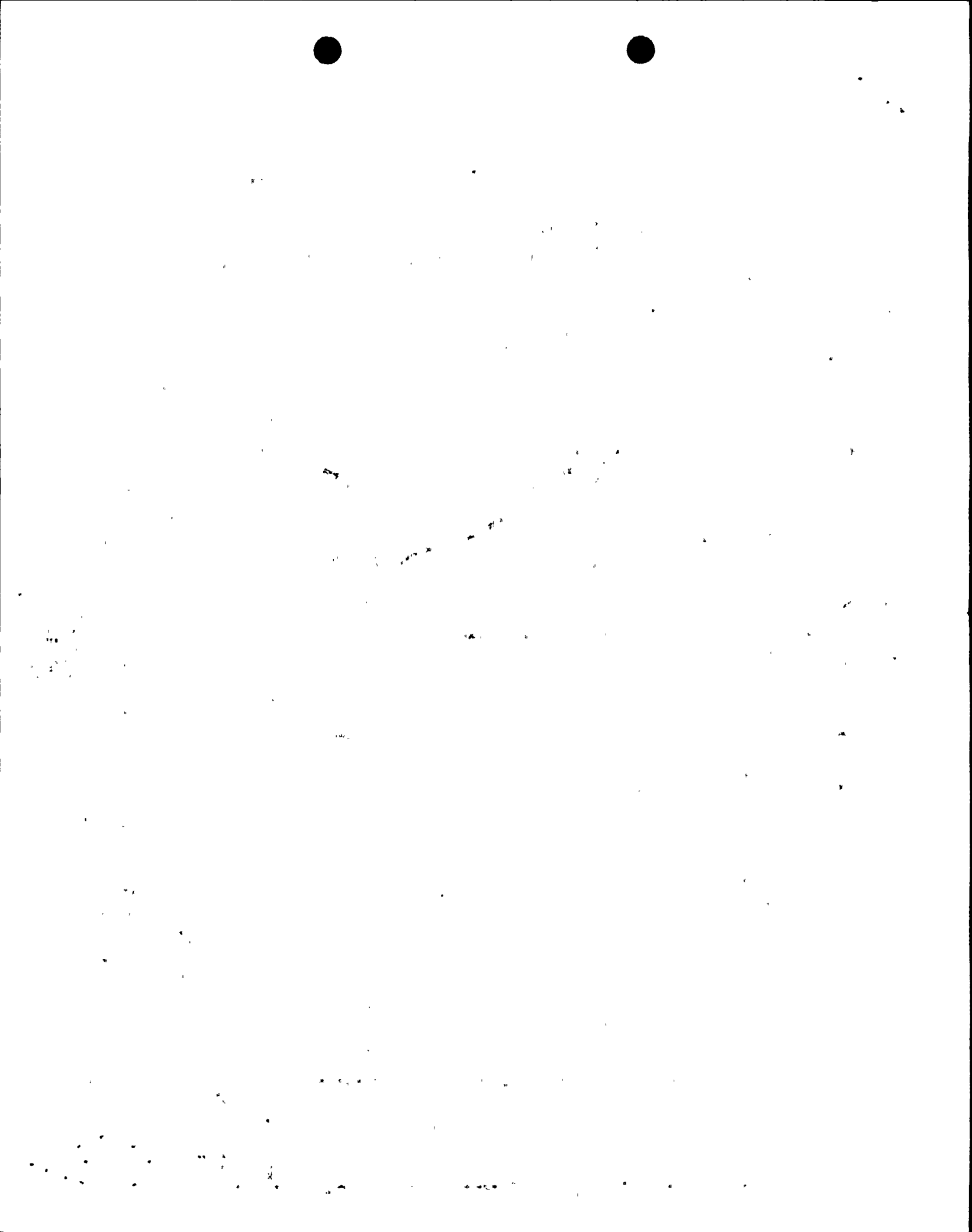
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Exhibit G-Instructions
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 (NUREG-0161)

5

Exhibit 1 - Same Source



UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400
 UNIT NAME: Harris
 DATE: 8/5/88
 COMPLETED BY: M. W. Hale
 TELEPHONE: (919) 362-2944

REPORT MONTH: JULY 1988

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 *
88-017	880730	S	44.37	C	1	88-021	ZZ	ZZZZZZ	Unit ramped down to off line for refueling outage. During the ramp down the running mainfeed Pump (1B) tripped on low flow due to a recirc valve failing to open on load decrease. As a result, both motor driven AFW pumps started as required. The cause of the above equipment failure is currently under investigation.

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 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
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5
 Exhibit 1 - Same Source

* Corrective action to prevent recurrence as per the License Event Report



Carolina Power & Light Company

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

AUG 15 1988

File Number: SHF/10-15505
Letter Number: HO-880153 (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 July 1988.

Yours very truly,

R. A. Watson
Vice President
Harris Nuclear Project

MWH:tbb

Enclosure

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

MEM/MoOperRep/1/OS1

IE24
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