

OPERATING DATA REPORT

DOCKET NO. 050-400
DATE 6/4/87
COMPLETED BY M. W. HALE
TELEPHONE (919) 362-2944

OPERATING STATUS

1. Unit Name: Shearon Harris Unit 1
2. Reporting Period: May 1987
3. Licensed Thermal Power (MWt): 2775
4. Nameplate Rating (Gross MWe): 950
5. Design Electrical Rating (Net-MWe): 900
6. Maximum Dependable Capacity (Gross-Mwe): 920
7. Maximum Dependable Capacity (Net-MWe): 860
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: Harris Plant declared commercial at 860 MWe Net.
9. Power Level to Which Restricted, if any (Net-MWe): None
10. Reasons for Restrictions, if any: N/A

Notes:

Plant in Commercial Operation Status on May 2, 1987. The totals for Fields 11-23 have been adjusted to reflect commercial operating data.*

	<u>This Month*</u>	<u>Yr.-to-Date*</u>	<u>Cumulative*</u>
11. Hours in Report Period	720.00	720.00	720.00
12. Number of Hours Reactor Was Critical	545.79	545.79	545.79
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	537.77	537.77	537.77
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	1420617.96	1420617.96	1420617.96
17. Gross Electrical Energy Generated (MWH)	460212.00	460212.00	460212.00
18. Net Electrical Energy Generated (MWH)	423143.00	423143.00	423143.00
19. Unit Service Factor	74.69	74.69	74.69
20. Unit Availability Factor	74.69	74.69	74.69
21. Unit Capacity Factor (Using MDC Net)	68.34	68.34	68.34
22. Unit Capacity Factor (Using DER Net)	65.30	65.30	65.30
23. Unit Forced Outage Rate	2.02	2.02	2.02
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Surveillance Test Outage / Prior to Nov. 18, 1987 / Two Weeks			
25. If Shut Down at end of Report Period, Estimated Date of Startup: N/A			
26. Units in Test Status (Prior to Commercial Operation):			

	<u>Forecast</u>	<u>Achieved</u>
INITIAL CRITICALITY	12/30/86	1/3/87
INITIAL ELECTRICITY	1/11/87	1/19/87
COMMERCIAL OPERATION	4/25/87	5/2/87

* Beginning on the first day of Commercial Operation, 5/2/87, per Reg. Guide 1.16 Appendix C.

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PLANT PERFORMANCE DATA SYSTEM
APPENDIX B- AVERAGE DAILY POWER LEVEL
HARFIS UNIT 1

DOCKET NO. 050-400
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May 1987

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	844	17	833
2	44	18	829
3	-29	19	836
4	-31	20	846
5	-34	21	851
6	-31	22	844
7	-30	23	839
8	-36	24	358
9	282	25	430
10	838	26	836
11	848	27	839
12	843	28	851
13	845	29	828
14	853	30	709
15	849	31	846
16	844		

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO.: 050-400

UNIT NAME: Harris

DATE: 6/4/87

COMPLETED BY: M. W. Hale

TELEPHONE: (919) 362-2944

REPORT MONTH: MAY 1987

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
87-018	870502	S	171.13	B	2	N/A	ZZ	ZZZZZZ	Turbine Trip was manually initiated in accordance with Power Ascension Test 9108-S-14. The unit remained in an outage condition to effect repairs on: drain line piping from the HP Turbine, Cooling Tower Fill, Aux. Feed-water Check Valves, Plant Reliability and Efficiency Related Improvements. The Unit was returned to service after repairs completed.

- 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: 6/4/87

COMPLETED BY: M. W. Hale

TELEPHONE: (919) 362-2944

REPORT MONTH: MAY 1987

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*
87-019	870524	F	11.1	A	2	87-031	HH	VALVOP	Manual Reactor Trip initiated from full power due to a loss of normal feedwater. Event started when 1A Heater Drain Pump tripped on low suction due to a failed positioner on the pump discharge valve. 1B Heater Drain Pump tripped on low suction followed by 1A Main Feedwater Pump and both Condensate Booster Pumps. Repairs were initiated on the Heater Drain Level Control System and Unit was returned to service.

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Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)
- 5
Exhibit I - Same Source

* Corrective action to prevent recurrence per the Licensee Event Report

UNIT SHUTDOWNS AND POWER REDUCTION

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REPORT MONTH: MAY 1987

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
87-020	870530	S	13.00	B	5	N/A	HA	INSTRU	Load Reduction to change the Turbine Valve Alignment from single to sequential operating mode to increase plant output efficiency. The planned transfer could not be completed due to control computer software changes. Unit returned to full power. Software changes being discussed with Westinghouse.

1

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S: Scheduled

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Method:
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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
P. O. Box 165
New Hill, North Carolina 27562

JUN 11 1987

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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 May 1987.

Yours very truly,

R. A. Watson
Vice President
Harris Nuclear Project

MWH:msb

Enclosure

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

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