



Serial: HNP-03-079

**JUL 15 2003**

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

**SHEARON HARRIS NUCLEAR POWER PLANT  
DOCKET NO. 50-400/LICENSE NO. NPF-63  
MONTHLY OPERATING REPORT**

Dear Sir or Madam:

In accordance with Technical Specification 6.9.1.5 for Progress Energy Carolinas, Inc's (alternately known as Carolina Power and Light Co.) Harris Nuclear Plant, the report of operating statistics and shutdown experience for the month of June 2003 is provided.

Sincerely,

A handwritten signature in black ink that reads 'John R. Caves'.

John R. Caves  
Supervisor,  
Licensing and Regulatory Programs  
Harris Nuclear Plant

SGR/sgf

Enclosure

c: Mr. J. B. Brady (NRC Senior Resident Inspector, HNP)  
Mr. L. A. Reyes (NRC Regional Administrator, Region II)  
Mr. C. P. Patel (NRC Project Manager, HNP)

Progress Energy Carolinas, Inc.  
Harris Nuclear Plant  
P.O. Box 165  
New Hill, NC 27562

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bc: Mr. Tom C. Bell  
Mr. Stephen Carr  
Mr. W. F. Conway  
Mr. G. W. Davis  
Mr. R. J. Duncan II  
Mr. K. N. Harris  
Mr. C. S. Hinnant  
Mr. H. L. James  
Mr. R. D. Martin  
Mr. T. C. Morton  
Mr. W. S. Orser  
Mr. J. Scarola  
Mr. J. M. Taylor  
Mr. B. C. Waldrep  
Mr. W. G. Wendland (American Nuclear Insurers)  
Licensing Files (2)  
Nuclear Records

**OPERATING DATA REPORT**

**DOCKET NO.** 050-400  
**UNIT NAME** Shearon Harris Nuclear Power Plant  
**DATE** July 9, 2003  
**COMPLETED BY** Charles L. George  
**TELEPHONE** (919) 362-2937

**REPORTING PERIOD** June 2003  
 (Month/Year)

|  | <b>MONTH</b> | <b>YEAR<br/>TO<br/>DATE</b> | <b>CUMULATIVE</b> |
|--|--------------|-----------------------------|-------------------|
| 1. Design Electrical Rating:<br>(MWe-Net)        | 941.7        | N/A                         | N/A               |
| 2. Maximum Dependable Capacity:<br>(MWe-Net)     | 900.0        | N/A                         | N/A               |
| 3. Number of Hours the Reactor Was<br>Critical:  | 684.2        | 3,765.6                     | 121,744.7         |
| 4. Number of Hours the Generator Was On<br>Line: | 674.2        | 3,703.5                     | 120,652.4         |
| 5. Unit Reserve Shutdown Hours:                  | 0.0          | 0.0                         | 0.0               |
| 6. Net Electrical Energy (MWH):                  | 585,682.0    | 3,354,140.0                 | 101,916,653.0     |

**APPENDIX B  
UNIT SHUTDOWNS**

**DOCKET NO.** 050-400  
**UNIT NAME** Shearon Harris Nuclear Power Plant  
**DATE** July 9, 2003  
**COMPLETED BY** Charles L. George  
**TELEPHONE** (919) 362-2937

**REPORTING PERIOD**

June 2003  

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**(Month/Year)**

| <b>NO.</b> | <b>DATE<br/>(yyymmdd)</b> | <b>TYPE<br/>F: FORCED<br/>S: SCHEDULED</b> | <b>DURATION<br/>(HOURS)</b> | <b>REASON (1)</b> | <b>METHOD OF<br/>SHUTTING<br/>DOWN (2)</b> | <b>CAUSE/CORRECTIVE ACTIONS<br/>COMMENTS</b>  |
|------------|---------------------------|--|-----------------------------|-------------------|--|---|
| 03-004     | 030614                    | F  | 45.9                        | A                 | 2  | A Printed Circuit Board (PCB) failure in the control logic for the B-Main Feed Pump resulted in a loss of main feed train event, leading to a manual reactor trip. The PCB was replaced and the unit was returned to service. |

**SUMMARY:** While operating at 100% power, a PCB failure caused a main feed pump trip. Plant operating procedures require initiation of a manual reactor trip on a loss of feedwater train while above 90% power. The PCB failure was the only equipment problem experienced. Following replacement of the PCB, the unit was returned to service.

**(1) 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)

**(2) Method:**

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)