



# Progress Energy

AUG 01 2005

Serial: HNP-05-088

U.S. Nuclear Regulatory Commission  
ATTENTION: Document Control Desk  
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1  
DOCKET NO. 50-400/LICENSE NO. NPF-63  
ONE-YEAR SPECIAL REPORT  
STEAM GENERATOR TUBE INSERVICE INSPECTION RESULTS

Ladies and Gentlemen:

In accordance with Technical Specification 4.4.5.5.b of the Harris Nuclear Plant (HNP), Carolina Power and Light Company doing business as Progress Energy Carolinas, Inc., provides the attached Special Report, which transmits the results of the steam generator (SG) tube inservice inspections performed during the May 2004 mid-cycle outage.

Attachment 1 provides the Special Report.

Please refer any question regarding this submittal to Mr. Dave Corlett at (919) 362-3137.

Sincerely,

D. H. Corlett  
Supervisor – Licensing/Regulatory Programs  
Harris Nuclear Plant

DHC/jpy

Attachment:

1. Summary of the HNP May 2004 Mid-Cycle Outage Steam Generator (SG) Tube Inservice Inspection Results

c:

Mr. R. A. Musser, NRC Senior Resident Inspector  
Mr. C. P. Patel, NRC Project Manager  
Dr. W. D. Travers, NRC Regional Administrator

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

A047

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1  
DOCKET NO. 50-400/LICENSE NO. NPF-63  
ONE-YEAR SPECIAL REPORT  
STEAM GENERATOR TUBE INSERVICE INSPECTION RESULTS

**Summary of the HNP May 2004 Mid-Cycle Outage  
Steam Generator (SG) Tube Inservice Inspection Results**

Technical Specification 4.4.5.5.b of the Harris Nuclear Plant (HNP) requires the complete results of the steam generator (SG) tube inservice inspection shall be submitted in a Special Report within 12 months following completion of the inspection. The Special Report shall include:

1. Number and extent of tubes inspected.
2. Location and percent of wall-thickness penetration for each indication of an imperfection, and
3. Identification of tubes plugged.

The second inservice inspection of the SG following replacement was performed in a mid-cycle outage and completed on May 14, 2004.

**1. Number and extent of tubes inspected:**

SG "C":

Number of Tubes Available for Inspection	Number of Tubes Inspected	Extent of Tubes Inspected
6,304 <sup>a</sup>	1,268 <sup>b</sup>	Tube end to opposite tube end

- Notes: a. The number of tubes available for inspection accounts for the three tubes that were plugged as noted in Item 3 (Identification of tubes plugged) below.
- b. The number of tubes inspected includes the six tubes inspected as part of the repair due to loose parts damage.

**2. Location and percent of wall-thickness penetration for each indication of an imperfection:**

No recordable eddy current testing (ECT) indications with wall-thickness penetration were identified from the results of this inservice inspection.

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1  
DOCKET NO. 50-400/LICENSE NO. NPF-63  
ONE-YEAR SPECIAL REPORT  
STEAM GENERATOR TUBE INSERVICE INSPECTION RESULTS

**3. Identification of tubes plugged:**

SG "A":

One tube plugged (pre-service): R106C85

SG "B":

One tube plugged (pre-service): R114C73

SG "C":

Three tubes plugged due to loose parts damage (identified prior to performing this inservice inspection): R01C120, R02C121, and R03C120