



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
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ATLANTA, GEORGIA 30303-8931**

March 4, 2002

Carolina Power and Light Company  
ATTN: Mr. James Scarola  
Vice President - Harris Plant  
Shearon Harris Nuclear Power Plant  
P. O. Box 165, Mail Code: Zone 1  
New Hill, NC 27562-0165

**SUBJECT: ANNUAL ASSESSMENT LETTER - SHEARON HARRIS NUCLEAR POWER PLANT (NRC INSPECTION REPORT 50-400/02-01)**

Dear Mr. Scarola:

On February 5, 2002, the NRC staff completed its end-of-cycle plant performance assessment of the Shearon Harris Nuclear Power Plant. The end-of-cycle review for Harris involved the participation of all technical divisions in evaluating performance indicators (PIs) and inspection results for the period from April 1 through December 31, 2001. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility. This will provide you with the opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

As discussed in our previous annual assessment letter dated May 31, 2001, this inspection and assessment cycle consisted of three quarters (i.e. the second, third, and fourth calendar quarters of Calendar Year 2001) instead of the usual four quarters. This change was implemented in order to align the inspection and assessment cycle with the calendar year beginning on January 1, 2002.

Overall, Harris operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Licensee Response Column of the NRC's Action Matrix. For the first two quarters of the assessment cycle plant performance was within the Regulatory Response Column of the Action Matrix. This was based on a White inspection finding (Inoperable charging/safety injection pump) and a White PI (High Pressure Injection System Unavailability) identified during the previous cycle. The inspection finding and the PI pertained to the same underlying issue. This issue, which the NRC considered to be a single issue in the mitigating systems cornerstone, was closed.

As you are aware, the following issues are still under review as part of the Significance Determination Process and supplemental inspection may be warranted if these issues are determined to be of greater than very low safety significance (Green):

- Unresolved Item (URI) 50-400/99-13-03 (Adequacy of Hemyc/MT cable wrap fire barrier qualification)

- Apparent Violation (AV) 50-400/00-09-02 (Failure to obtain NRC approval prior to implementing a change to the approved fire protection program)
- AV 50-400/00-09-01 (Failure to maintain the fire area separation barrier between the B train switchgear room/auxiliary control panel room and the A train cable spreading room as a 3-hour rated barrier)
- URI 50-400/01-05-02 (Foreign material in A RHR containment sump suction piping)
- URI 50-400/01-05-03 (Failure to properly terminate a lug in the control circuit of motor-operated valve 1RH-39)

The enclosed inspection plan details the inspections scheduled through March 31, 2003. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival on site. Routine resident inspections are not listed due to their on-going and continuous nature. The last six months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

With respect to the terrorist attacks on the World Trade Center and the Pentagon, immediately following the attacks, the NRC issued safeguards advisories recommending that nuclear power plant licensees go to the highest level of security, and all promptly did so. With continued uncertainty about the possibility of additional terrorist activities, the Nation's nuclear power plants, including Harris remain at a high level of security. On February 25, 2002, the NRC issued an Order to all nuclear power plant licensees, requiring them to take certain additional interim compensatory measures to address the generalized high-level threat environment. These additional compensatory requirements will provide the NRC with reasonable assurance that public health and safety and the common defense and security continue to be adequately protected in the current generalized high-level threat environment. These requirements will remain in effect pending notification from the Commission that a significant change in the threat environment occurs, or until the Commission determines that other changes are needed following a more comprehensive re-evaluation of current safeguards and security programs. To date, we have monitored the Carolina Power and Light Company's actions in response to the terrorist attacks through a series of audits. With the issuance of the Order, in addition to the inspections described in the enclosed plan, we will evaluate Harris' compliance with these interim requirements.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

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If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Brian Bonser at (404) 562-4560 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*//RA//*

Loren R. Plisco, Director  
Division of Reactor Projects

Docket No. 50-400  
License No. NPF-63

Enclosure: Harris Inspection/Activity Plan

cc w/encl: (See page 4)

cc w/encl:

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