



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
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August 26, 2002

Carolina Power & 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, North Carolina 27562-0165

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - SHEARON  
HARRIS NUCLEAR POWER PLANT DOCKET NO. 50-400

Dear Mr. Scarola:

On August 6, 2002, the NRC staff completed its mid-cycle plant performance assessment of Harris Nuclear Plant. In accordance with NRC Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," the mid-cycle review involved the participation of all technical divisions in evaluating the performance of your Harris facility for the first half of the current assessment cycle, January 1 - December 31, 2002. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

Plant performance for the most recent quarter (2<sup>nd</sup> quarter of 2002) was within the Degraded Cornerstone Column of the NRC's Action Matrix. This was based on two inspection findings being classified as having low to moderate safety significance (White) in the Mitigating Systems Cornerstone. The first White finding involved a 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 fire barrier. The second White finding involved a failure of foreign material exclusion controls. Several pieces of foreign material were discovered in the containment sump suction piping to the A Residual Heat Removal (RHR) pump.

In July 2002, the NRC conducted a supplemental inspection of the aforementioned White findings using Inspection Procedure 95002, "Inspection For One Degraded Cornerstone Or Any Three White Inputs In A Strategic Performance Area" (reference Inspection Report No. 50-400/02-10). The inspection determined that the problem identification, root cause, and extent of condition evaluation for the two White findings was adequate. The White finding associated with the foreign material in the RHR system was closed. The White finding regarding a fire barrier will be dispositioned as part of a supplemental inspection using Inspection Procedure 95001, "Inspection For One or Two White Inputs In A Strategic Performance Area."

As you are aware, the following issues are still under review as part of the Significance Determination Process and supplemental inspections may also 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 Tests and Evaluations to Scope Installed Configurations)

The enclosed inspection plan details the inspections scheduled through September 30, 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 onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The last six months of the inspection plan is tentative and may be revised at the end-of-cycle review.

In addition, the NRC is in the process of finalizing a Temporary Instruction that will be used to review implementation of the Interim Compensatory Measures required by the Agency's Security Order to all commercial nuclear power plants dated February 25, 2002. Schedules have not yet been finalized, but it is anticipated that these inspections will begin within the next calendar quarter. Once finalized, the details will be communicated by separate correspondence.

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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Mr. 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  
Licensee No. NPF-63

Enclosure: Harris Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl:

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**Harris**  
**Inspection / Activity Plan**  
**09/01/2002 - 09/30/2003**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>EB1-TFP</b>	<b>- TFP - PRE-INSPECTION VISIT</b>	<b>6</b>			
1	IP 7111105T	Fire Protection		09/30/2002	10/04/2002	Baseline Inspections
	<b>EB1-TFP</b>	<b>- TRIENNIAL FIRE PROTECTION INSP</b>	<b>4</b>			
1	IP 7111105T	Fire Protection		10/21/2002	10/25/2002	Baseline Inspections
1	IP 7111105T	Fire Protection		11/04/2002	11/08/2002	Baseline Inspections
	<b>OL EP</b>	<b>- EMERGENCY EXERCISE</b>	<b>2</b>			
1	IP 7111401	Exercise Evaluation		03/03/2003	03/07/2003	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		03/03/2003	03/07/2003	Baseline Inspections
1	IP 71151	Performance Indicator Verification		03/03/2003	03/07/2003	Baseline Inspections
	<b>OL RQ</b>	<b>- REQUAL INSPECTION</b>	<b>2</b>			
1	IP 7111111B	Licensed Operator Requalification		03/24/2003	03/28/2003	Baseline Inspections
	<b>EB2-HS</b>	<b>- HEAT SINK</b>	<b>2</b>			
1	IP 7111107B	Heat Sink Performance		04/14/2003	04/18/2003	Baseline Inspections
	<b>PS-SEC</b>	<b>- SECURITY</b>	<b>1</b>			
1	IP 7113001	Access Authorization Program (Behavior Observation Only)		04/21/2003	04/25/2003	Baseline Inspections
1	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorizator		04/21/2003	04/25/2003	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/21/2003	04/25/2003	Baseline Inspections
	<b>PS-RP</b>	<b>- RADIATION PROTECTION</b>	<b>3</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/28/2003	05/02/2003	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		04/28/2003	05/02/2003	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		04/28/2003	05/02/2003	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/28/2003	05/02/2003	Baseline Inspections
	<b>EB2-ISI</b>	<b>- INSERVICE INSPECTION-U1</b>	<b>1</b>			
1	IP 7111108	Inservice Inspection Activities		05/12/2003	05/16/2003	Baseline Inspections
	<b>PS-RP</b>	<b>- RADIATION PROTECTION</b>	<b>2</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		05/12/2003	05/16/2003	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		05/12/2003	05/16/2003	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		05/12/2003	05/16/2003	Baseline Inspections
1	IP 71151	Performance Indicator Verification		05/12/2003	05/16/2003	Baseline Inspections
	<b>PI&amp;R</b>	<b>- PROBLEM IDENTIFICATION &amp; RESOLUTION</b>	<b>3</b>			
1	IP 71152B	Identification and Resolution of Problems		07/07/2003	07/11/2003	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		07/21/2003	07/25/2003	Baseline Inspections

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.