



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

August 30, 2004

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

Dear Mr. Scarola:

On August 4, 2004, the NRC staff completed its mid-cycle plant performance assessment of the Shearon Harris Nuclear Power Plant. The mid-cycle review for Harris involved the participation of all technical divisions in evaluating performance for the first half of the calendar year 2004 assessment cycle. The process included a review of performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 allow you an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities. This performance review and the enclosed inspection plan do not include physical protection information. A separate mid-cycle performance review letter, designated and marked as "Proprietary Information in accordance with 10 CFR 2.390(d)(1)", will include the physical protection review and a resultant inspection plan.

Plant performance for the most recent quarter was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct only baseline inspections at your facility through March 31, 2006. We also plan on conducting several inspections which are not part of the routine baseline inspection program. These inspections include an inspection of reactor vessel lower head penetrations, an inspection of reactor containment sump blockage, and, during the Fall 2004 refueling outage, an inspection of your response to NRC Bulletin 2004-01: Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurize Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors. Also, a previously discussed unresolved item involving the adequacy of cable wrap fire barrier qualification test and installed configurations continues to be reviewed.

In addition, on April 7, 2004, the NRC issued a Notice of Violation and Proposed Imposition of Civil Penalty - \$88,000, to Carolina Power and Light Company (CP&L), in accordance with the "General Statement of Policy and Procedures for NRC Enforcement Actions," (Enforcement

Policy), NUREG-1600. This Severity Level II violation involved employment discrimination contrary to the requirements of 10 CFR 50.7, "Employee Protection,". CP&L discriminated against a corporate site access authorization superintendent, when the individual was terminated from his employment on April 26, 1999, for engaging in a protected activity. CP&L had previously provided corrective action on this matter in a letter dated March 19, 2004, and on April 29, 2004, paid the civil penalty.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2006. 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 inspections in the last twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting. In accordance with 10 CFR 2.390 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 me at (404) 562-4530 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Paul E. Fredrickson, Chief
Reactor Projects Branch 4
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/encls:

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Harris
Inspection / Activity Plan
09/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PS-RP - RP OCCUPATIONAL PRE INSP VISIT		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/20/2004	09/22/2004	Baseline Inspections
	PB4-152 - REACTOR LOWER HEAD PENETRATIONS		1			
1	IP 2515/152	Reactor Pressure Vessel Lower Head Penetration Nozzles (NRC Bulletin 2003-02)		10/18/2004	10/22/2004	Safety Issues
	PS-RP - RP OCCUPATIONAL WK-1		2			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/18/2004	10/22/2004	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/18/2004	10/22/2004	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		10/18/2004	10/22/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/18/2004	10/22/2004	Baseline Inspections
	EB2-ISI - ISI AND PRESSURIZER PENETRATIONS		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/25/2004	10/29/2004	Baseline Inspections
	PB4-153 - REACTOR CONTAINMENT SUMP BLOCKAGE		2			
1	IP 2515/153	Reactor Containment Sump Blockage (NRC Bulletin 2003-01)		10/25/2004	10/29/2004	Safety Issues
	PS-RP - RP OCCUPATIONAL WK-2		2			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/25/2004	10/29/2004	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/25/2004	10/29/2004	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		10/25/2004	10/29/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/25/2004	10/29/2004	Baseline Inspections
	OL RQ - REQUAL INSPECTION		2			
1	IP 7111111B	Licensed Operator Requalification Program		03/07/2005	03/11/2005	Baseline Inspections
	OL EP - EMERGENCY EXERCISE		2			
1	IP 7111401	Exercise Evaluation		04/11/2005	04/15/2005	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/11/2005	04/15/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/11/2005	04/15/2005	Baseline Inspections
	EB2-HS - HEAT SINK		1			
1	IP 7111107B	Heat Sink Performance		05/16/2005	05/20/2005	Baseline Inspections
	PB4-PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		4			
1	IP 71152B	Identification and Resolution of Problems		06/13/2005	06/17/2005	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		06/27/2005	07/01/2005	Baseline Inspections
	EB1-TFP - FIRE PROTECTION-TRIENNIAL PRE INSP VISIT		4			
1	IP 7111105T	Fire Protection		07/25/2005	07/29/2005	Baseline Inspections
	PS-RP - RP PUBLIC		3			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/01/2005	08/05/2005	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/01/2005	08/05/2005	Baseline Inspections

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

ENCLOSURE

Harris
Inspection / Activity Plan
09/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	PS-RP	- RP PUBLIC	3			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/01/2005	08/05/2005	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program		08/01/2005	08/05/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/01/2005	08/05/2005	Baseline Inspections
	EB1-TFP	- FIRE PROTECTION-TRIENNIAL	4			
1	IP 7111105T	Fire Protection		08/15/2005	08/19/2005	Baseline Inspections
1	IP 7111105T	Fire Protection		08/29/2005	09/02/2005	Baseline Inspections
	OL PREP	- INITIAL EXAM PREP	2			
1	V23233	HARRIS/RETAKE EXAM AT POWER FACILITIES		01/09/2006	01/13/2006	Not Applicable
	OL EXAM	- INITIAL EXAM	3			
1	V23233	HARRIS/RETAKE EXAM AT POWER FACILITIES		01/23/2006	02/03/2006	Not Applicable