



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

August 30, 2005

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 3, 2005, the NRC staff completed its performance review of the Shearon Harris Nuclear Power Plant for the first half of the calendar year 2005 assessment cycle. Our technical staff reviewed 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 performance review and the enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" 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 reactor oversight process baseline inspections at your facility through March 31, 2007. We also plan on conducting an inspection which is not part of the routine baseline inspection program. This inspection includes an inspection of the reactor head and vessel head penetration nozzles. In addition, a previously discussed unresolved item involving the adequacy of cable wrap fire barrier qualification test and installed configurations continues to be reviewed.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through March 31, 2007. The inspection plan is provided to minimize the resource impact on your staff and to allow for the resolution of any scheduling conflicts and personnel availability issues well 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/encl:

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Harris
Inspection / Activity Plan
09/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	OL PREP - INITIAL EXAM PREP		3			
1	V23233	HARRIS/EXAMS AT POWER FACILITIES		01/09/2006	01/13/2006	Not Applicable
	OL EXAM - INITIAL EXAM		3			
1	V23233	HARRIS/EXAMS AT POWER FACILITIES		01/23/2006	02/03/2006	Not Applicable
	EB1-MODS - MODIFICATIONS/10CFR50.59		4			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		02/06/2006	02/10/2006	Baseline Inspections
1	IP 7111117B	Permanent Plant Modifications		02/06/2006	02/10/2006	Baseline Inspections
	PS1-RP - RP OCCUPATIONAL PRE-INSP VISIT		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/13/2006	03/15/2006	Baseline Inspections
	PS2-EP - EP INSP		1			
1	IP 7111402	Alert and Notification System Testing		04/03/2006	04/07/2006	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		04/03/2006	04/07/2006	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/03/2006	04/07/2006	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		04/03/2006	04/07/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/03/2006	04/07/2006	Baseline Inspections
	PS1-RP - RP OCCUPATIONAL INSP WK1		3			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/10/2006	04/14/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		04/10/2006	04/14/2006	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		04/10/2006	04/14/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/10/2006	04/14/2006	Baseline Inspections
	EB3-ISI - INSERVICE INSPECTION		2			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/17/2006	04/21/2006	Baseline Inspections
	EB3TI150 - 2515/150 : RPV & VHP NOZZLES		1			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03-		04/17/2006	04/21/2006	Safety Issues
	PS1-RP - RP OCCUPATIONAL INSP WK2		3			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/24/2006	04/28/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		04/24/2006	04/28/2006	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		04/24/2006	04/28/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/24/2006	04/28/2006	Baseline Inspections
	EB3SGISI - STEAM GENERATOR ISI		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/24/2006	04/28/2006	Baseline Inspections
	EB3-MR - MR EFFECTIVENESS		2			
1	IP 7111112B	Maintenance Effectiveness		06/26/2006	06/30/2006	Baseline Inspections
	EB1SSDPC - SSDPC PRE-INSPECTION VISIT		5			
1	IP 7111121	Safety System Design and Performance Capability		08/07/2006	08/11/2006	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
09/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	EB1SSDPC - SAFETY SYSTEM DESIGN & PERF. CAPABILITY		5			
1	IP 7111121	Safety System Design and Performance Capability		10/02/2006	10/06/2006	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		10/16/2006	10/20/2006	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		10/30/2006	11/03/2006	Baseline Inspections
	PSB1- RP - RP PUBLIC PRE - INSP VISIT		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		12/18/2006	12/20/2006	Baseline Inspections
	PSB1-RP - RP PUBLIC INSPECTION		4			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/22/2007	01/26/2007	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/22/2007	01/26/2007	Baseline Inspections
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		01/22/2007	01/26/2007	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		01/22/2007	01/26/2007	Baseline Inspections
	OL RQ - REQUAL INSPECTION		2			
1	IP 7111111B	Licensed Operator Requalification Program		03/19/2007	03/23/2007	Baseline Inspections