



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

August 31, 2006

Carolina Power & Light Company
ATTN: Mr. C. J. Gannon, Jr.
Vice President - Harris Plant
Shearon Harris Nuclear Power Plant
P. O. Box 165, Mail Code: Zone 1
New Hill, NC 27562-0165

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - SHEARON
HARRIS NUCLEAR PLANT

Dear Mr. Gannon:

On August 3, 2006, the NRC staff completed its performance review of the Shearon Harris Nuclear Power Plant for the first half of the calendar year 2006 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.

Overall, Harris operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for Harris for the most recent quarter was in 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 reactor oversight (ROP) process baseline inspections at your facility. In addition to the ROP baseline inspections, we plan to conduct non-ROP inspections involving containment sump blockage and verification of the Mitigating Systems Performance Index.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. 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) 562-4519 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Binoy B. Desai, Acting Chief,
Reactor Projects Branch 4
Division of Reactor Projects

Docket No.: 50-400
License 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
 08/01/2006 - 07/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	2515/169 - TI 2515/169 - MSPI VERIFICATION		2			
1	IP 2515/169	Mitigating Systems Performance Index Verification		08/01/2006	12/31/2006	Safety Issues
	EB1-CDB - COMPONENT DESIGN BASES INSPECTION		6			
1	IP 7111121	Component Design Bases Inspection		09/18/2006	09/22/2006	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		10/02/2006	10/06/2006	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		10/16/2006	10/20/2006	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		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
	OL RQ - REQUAL INSPECTION		3			
1	IP 7111111B	Licensed Operator Requalification Program		03/19/2007	03/23/2007	Baseline Inspections
	PS2-EP - EP EXERCISE		3			
1	IP 7111401	Exercise Evaluation		04/09/2007	04/13/2007	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/09/2007	04/13/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/09/2007	04/13/2007	Baseline Inspections
	EB3-HS - HEAT SINK		3			
1	IP 7111107B	Heat Sink Performance		06/04/2007	06/08/2007	Baseline Inspections
	PSB1-RP - RP PUBLIC PRE-INSP. VISIT		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		06/11/2007	06/13/2007	Baseline Inspections
	OL PREP - INITIAL EXAM PREP		4			
1	V23259	HARRIS/JULY 2007 EXAM AT POWER FACILIITES		07/09/2007	07/13/2007	Not Applicable
	PSB1-RP - RP PUBLIC BASELINE INSP		4			
1	IP 7112101	Access Control to Radiologically Significant Areas		07/09/2007	07/13/2007	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		07/09/2007	07/13/2007	Baseline Inspections
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		07/09/2007	07/13/2007	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		07/09/2007	07/13/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		07/09/2007	07/13/2007	Baseline Inspections
	LIC RENE - LICENSE RENEWAL INSPECTION		5			
1	IP 71002	License Renewal Inspection		07/16/2007	07/27/2007	License Renewal Insp
	OL EXAM - INITIAL EXAM		4			
1	V23259	HARRIS/JULY 2007 EXAM AT POWER FACILIITES		07/30/2007	08/10/2007	Not Applicable

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

Enclosure