



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

March 2, 2006

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

SUBJECT: ANNUAL ASSESSMENT LETTER - SHEARON HARRIS NUCLEAR POWER
PLANT (NRC INSPECTION REPORT 05000400/2006001)

Dear Mr. Gannon:

On February 8, 2006, the NRC staff completed its performance review of the Shearon Harris Nuclear Power Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2005 (CY 2005). 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 enclosed inspection plan do not include physical protection information. A separate letter, designated and marked as "Official Use Only - Security-Related Information", will include the physical protection review and resultant inspection plan.

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, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix. We based this conclusion on the fact that all inspection findings were classified as having very low safety significance (Green) and all PIs indicated performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. We also plan on conducting a non-ROP inspection of the reactor pressure vessel head and head penetration nozzles.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2007. The inspection plan is provided 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 nine months of the inspection plan are tentative and may be revised at the mid-cycle review. Although our intent is to maintain the enclosed inspection plan fixed for the first nine months, a need may arise to conduct one or more unanticipated inspections prior to issuing an updated inspection plan with the CY 2006 mid-cycle assessment letter.

Pkg - MI060610387
Ltr - MI060610390
Encl - MI060610393

If an inspection of this type becomes necessary, we will notify you of the planned inspection dates as soon as possible to resolve as much as we can, any scheduling and personnel availability conflicts you may have.

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 this 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
License No.: NPF-63

Enclosure: Shearon Harris Inspection/Activity Plan

cc w/encl: (See page 2)

cc w/encl:

Chris L. Burton, Manager
Performance Evaluation and
Regulatory Affairs CPB 9
Carolina Power & Light Company
Electronic Mail Distribution

Robert J. Duncan II
Director of Site Operations
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
Electronic Mail Distribution

Eric McCartney
Plant General Manager--Harris Plant
Progress Energy Carolinas, Inc.
Shearon Harris Nuclear Power Plant
Electronic Mail Distribution

J. Wayne Gurganious
Training Manager-Harris Plant
Progress Energy Carolinas, Inc.
Harris Energy & Environmental Center
Electronic Mail Distribution

Christos Kamilaris, Manager
Support Services
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
Electronic Mail Distribution

David H. Corlett, Supervisor
Licensing/Regulatory Programs
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
Electronic Mail Distribution

David T. Conley
Associate General Counsel - Legal
Department
Progress Energy Service Company, LLC
Electronic Mail Distribution

John H. O'Neill, Jr.
Shaw, Pittman, Potts & Trowbridge
2300 N. Street, NW
Washington, DC 20037-1128

Beverly Hall, Acting Director
Division of Radiation Protection
N. C. Department of Environmental
Commerce & Natural Resources
Electronic Mail Distribution

Peggy Force
Assistant Attorney General
State of North Carolina
Electronic Mail Distribution

Public Service Commission
State of South Carolina
P. O. Box 11649
Columbia, SC 29211

Chairman of the North Carolina
Utilities Commission
c/o Sam Watson, Staff Attorney
Electronic Mail Distribution

Robert P. Gruber
Executive Director
Public Staff NCUC
4326 Mail Service Center
Raleigh, NC 27699-4326

Herb Council, Chair
Board of County Commissioners
of Wake County
P. O. Box 550
Raleigh, NC 27602

Tommy Emerson, Chair
Board of County Commissioners
of Chatham County
Electronic Mail Distribution

Institute of Nuclear Power Operations
700 Galleria Parkway
Atlanta, GA 30339-5957

Harris
Inspection / Activity Plan
03/01/2006 - 09/30/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PSB1-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
	PSB1-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 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03-		04/17/2006	04/21/2006	Safety Issues
1	IP 7111108P	Inservice Inspection Activities - PWR		04/17/2006	04/21/2006	Baseline Inspections
	EB3TI150 - 2515/150 : RPV & VHP NOZZLES		2			
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
	EB3SGISI - STEAM GENERATOR ISI		3			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/24/2006	04/28/2006	Baseline Inspections
	PSB1-RP - RP OCCUPATIONAL INSP WK2		2			
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
	EB3-MR - MR EFFECTIVENESS		2			
1	IP 7111112B	Maintenance Effectiveness		06/26/2006	06/30/2006	Baseline Inspections
	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

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

Enclosure

Harris
Inspection / Activity Plan
03/01/2006 - 09/30/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	OL RQ	- REQUAL INSPECTION	2			
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	1			
1	IP 7111107B	Heat Sink Performance		05/14/2007	05/18/2007	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	3			
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
	PSB2	- BASELINE SECURITY INSPECTION	1			
1	IP 7113004	Equipment Performance, Testing, and Maintenance		07/09/2007	07/13/2007	Baseline Inspections
1	IP 7113007	Security Training		07/09/2007	07/13/2007	Baseline Inspections
	OL EXAM	- INITIAL EXAM	3			
1	V23259	HARRIS/JULY 2007 EXAM AT POWER FACILIITES		07/30/2007	08/10/2007	Not Applicable