



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

March 4, 2013

Mr. George T. Hamrick  
Vice President  
Shearon Harris Nuclear Power Plant  
Carolina Power and Light Company  
P.O. Box 165, Mail Code: Zone 1  
New Hill, NC 27562-0165

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR SHEARON HARRIS NUCLEAR  
POWER PLANT (NRC INSPECTION REPORT 05000400/2012001)**

Dear Mr. Hamrick:

On February 13, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of the Shearon Harris Nuclear Power Plant. The NRC reviewed the most recent quarterly Performance Indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012 through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined the performance at Shearon Harris Nuclear Power Plant during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix based on one inspection finding classified as low to moderate safety significance in the Emergency Preparedness Cornerstone. The White finding was for failure to maintain adequate emergency facilities and equipment to support emergency response. Specifically, the Emergency Operations Facility (EOF) normal and emergency ventilation system was in a degraded state and/or removed from service, for extended periods of time. This finding was identified during the second quarter of calendar year 2012.

Based on your current readiness projections, we are tentatively scheduling the supplemental inspection to review your corrective actions related to the EOF finding for the week of March 18, 2013. Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area."

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be

revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

We also plan on conducting several infrequently performed inspections which include: Operator Licensing Exams and TI 2515/182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks, Phase 2."

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).

Please contact Randy Musser at 404-997-4603 with any questions you may have regarding this letter.

Sincerely,

**/RA/**

Richard P. Croteau, Director  
Division of Reactor Projects

Docket No.: 50-400  
License No.: NPF-63

Enclosure: Harris Inspection/Activity Plan (03/01/2013 – 06/30/2014)

cc w/Encl: (See page 3)

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Richard P. Croteau, Director  
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cc w/Encl: (See page 3)

PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE       NON-SENSITIVE  
ADAMS: X Yes      ACCESSION NUMBER: \_\_\_\_\_      X SUNSI REVIEW COMPLETE X FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	JGW:/RA/	RXM:/RA/					
NAME	JWorosilo	RMusser					
DATE	02/20/2013	02/25/2013					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY      DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2012\END OF CYCLE\INPUT\RPB4\HARRIS\HARRIS 2012 EOC LETTER.DOCX

G. Hamrick

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(cc:w/encl continued)

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Letter to George T. Hamrick from Richard P. Croteau dated March 4, 2013

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SHEARON HARRIS NUCLEAR  
POWER PLANT (NRC INSPECTION REPORT 05000400/2012001)

Distribution w/encl:

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OE Mail

RIDSNNRRDIRS

PUBLIC

RidsNrrPMShearonHarris Resource

ROP Assessment

Institute of Nuclear Power Operations (INPO)

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	03/18/2013 03/22/2013	95001 - 95001 SUPPLEMENTAL INSPECTION		2
		IP 92702	Followup On Corrective Actions For Violations And Deviations	
1	03/18/2013 03/22/2013	IP 95001	Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	
1	04/29/2013 05/03/2013	EP - EMERGENCY PREPAREDNESS EXERCISE		4
		IP 7111401	Exercise Evaluation	
1	04/29/2013 05/03/2013	IP 71151	Performance Indicator Verification	
1	06/10/2013 06/14/2013	HS - TRIENNIAL HEAT SINK PERFORMANCE		1
		IP 7111107T	Heat Sink Performance	
1	06/17/2013 06/21/2013	RP - RP PUBLIC RAD SAFETY BASELINE		2
		IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	06/17/2013 06/21/2013	IP 71124.07	Radiological Environmental Monitoring Program	
1	06/17/2013 06/21/2013	IP 71151	Performance Indicator Verification	
1	08/05/2013 08/09/2013	PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		4
		IP 71152B	Problem Identification and Resolution	
1	08/19/2013 08/23/2013	IP 71152B	Problem Identification and Resolution	
1	08/12/2013 08/16/2013	OL EXAM - INITIAL EXAM PREP		3
		V23403	HARRIS/SEPTEMBER 2013 INITIAL EXAM AT POWER FACILITIES	
1	09/09/2013 09/11/2013	TI-182 - TI-182 BURIED PIPING/TANK - PHASE 2		1
		IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
1	09/09/2013 09/13/2013	OL EXAM - INITIAL EXAM WEEK 1		3
		V23403	HARRIS/SEPTEMBER 2013 INITIAL EXAM AT POWER FACILITIES	
1	09/16/2013 09/20/2013	OL EXAM - INITIAL EXAM WEEK 2		3
		V23403	HARRIS/SEPTEMBER 2013 INITIAL EXAM AT POWER FACILITIES	
1	11/18/2013 11/22/2013	ISI - UNIT 1 INSERVICE INSPECTION		2
		IP 7111108P	Inservice Inspection Activities - PWR	
1	11/18/2013 11/22/2013	RP - RAD HAZARDS ANALYSIS AND TRANSPORTATION		2
		IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/18/2013 11/22/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	11/18/2013 11/22/2013	IP 71151	Performance Indicator Verification	
1	04/21/2014 04/25/2014	TFPI - TRIENNIAL FIRE PROTECTION INSP		4
		IP 7111105x	Fire Protection - NFPA 805 (Triennial)	
1	05/05/2014 05/09/2014	IP 7111105x	Fire Protection - NFPA 805 (Triennial)	

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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1	04/21/2014 04/25/2014	EP - EP PROGRAM INSPECTION	Alert and Notification System Testing	
1	04/21/2014 04/25/2014	IP 7111402	Emergency Preparedness Organization Staffing and Augmentation System	
1	04/21/2014 04/25/2014	IP 7111403	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	04/21/2014 04/25/2014	IP 7111405	Performance Indicator Verification	

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**CDBI - COMPONENT DESIGN BASES INSPECTION**

1	06/02/2014 06/06/2014	IP 7111121	Component Design Bases Inspection	
1	06/23/2014 06/27/2014	IP 7111121	Component Design Bases Inspection	

Comments:

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