



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

March 4, 2015

Mr. Benjamin C. Waldrep
Vice President
Shearon Harris Nuclear Power Plant
5413 Shearon Harris Rd
New Hill, NC 27562-0165

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR SHEARON HARRIS NUCLEAR POWER
PLANT – NRC INSPECTION REPORT 05000400/2014001**

Dear Mr. Waldrep:

On February 11, 2015, the 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, 2014, through December 31, 2014. 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 that overall, the Shearon Harris Nuclear Power Plant operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Shearon Harris Nuclear Power Plant during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. 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 the following infrequently performed inspections and temporary instructions: Operator Licensing Exams; and TI 2515/191: Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans.

B. Waldrep

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In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's Agencywide Document Access and Management 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 me at 404-997-4645 with any questions you may have regarding this letter.

Sincerely,

/RA/

George T. Hopper, Chief
Reactor Projects Branch 4
Division of Reactor Projects

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

Enclosure: Harris Inspection/Activity Plan
(03/01/2015 – 06/30/2016)

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B. Waldrep

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B. Waldrep

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Letter to Mr. Benjamin C. Waldrep from George T. Hopper dated March 4, 2015.

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PLANT – NRC INSPECTION REPORT 05000400/2014001

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Harris
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ASM EP - 2015 EP ASM & RES BASELINE		3
1	01/01/2015	12/31/2015	IP 7111406	Drill Evaluation	
			SGISI - UNIT 1 SG IN-SERVICE INSPECTION		1
1	04/13/2015	04/17/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			ISI - UNIT 1 IN-SERVICE INSPECTION & RVH EXAM		2
1	04/13/2015	04/17/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			RP - RP OCCUPATIONAL BASELINE WEEK 1		2
1	04/13/2015	04/17/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/13/2015	04/17/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/13/2015	04/17/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/13/2015	04/17/2015	IP 71124.04	Occupational Dose Assessment	
1	04/13/2015	04/17/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1	04/13/2015	04/17/2015	IP 71151	Performance Indicator Verification	
			RP - RP OCCUPATIONAL BASELINE WEEK 2		3
1	04/27/2015	05/01/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/27/2015	05/01/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/27/2015	05/01/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/27/2015	05/01/2015	IP 71124.04	Occupational Dose Assessment	
1	04/27/2015	05/01/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1	04/27/2015	05/01/2015	IP 71151	Performance Indicator Verification	
			OL RQ - REQUAL INSP		2
1	08/03/2015	08/07/2015	IP 7111111B	Licensed Operator Requalification Program	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		5
1	09/14/2015	09/18/2015	IP 71152B	Problem Identification and Resolution	
1	09/28/2015	10/02/2015	IP 71152B	Problem Identification and Resolution	
			EP - EP EXERCISE		8
1	10/26/2015	10/30/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	10/26/2015	10/30/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
1	10/26/2015	10/30/2015	IP 71151	Performance Indicator Verification	
			MODS - PLANT MODIFICATIONS INSPECTION		3
1	11/16/2015	11/20/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1	12/07/2015	12/11/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	

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

Enclosure

Harris
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ASM EP - 2016 EP ASM & RES BASELINE		3
1	01/01/2016	12/31/2016	IP 7111406	Drill Evaluation	
			EP - EP PROGRAM INSPECTION		2
1	05/23/2016	05/27/2016	IP 7111401	Exercise Evaluation	
1	05/23/2016	05/27/2016	IP 7111402	Alert and Notification System Testing	
1	05/23/2016	05/27/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	05/23/2016	05/27/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	05/23/2016	05/27/2016	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			HS - TRIENNIAL HEAT SINK PERFORMANCE		1
1	06/13/2016	06/17/2016	IP 7111107T	Heat Sink Performance	
			OL EXAM - INITIAL LICENSE EXAM PREP		3
1	06/13/2016	06/17/2016	V23474	HARRIS JULY 2016 INITIAL EXAM AT POWER FACILITIES	

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