



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

March 4, 2015

Steven D. Capps  
Site Vice President  
Duke Energy Carolinas, LLC  
McGuire Nuclear Station  
12700 Hagers Ferry Road  
Huntersville, NC 28078-8985

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR MCGUIRE NUCLEAR STATION UNITS 1  
AND 2 (NRC INSPECTION REPORT 05000369/2014001 AND 05000370/2014001)**

Dear Mr. Capps:

On February 10, 2015, the NRC completed its end-of-cycle performance review of the McGuire Nuclear Station, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2014, through December 30, 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, McGuire Nuclear Station was operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at McGuire Units 1 and 2 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 end-of-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.

S. Capps

2

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 document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Please contact me at 404-997-4611 with any questions you have regarding this letter.

Sincerely,

***/RA/***

Frank Ehrhardt, Chief  
Reactor Projects Branch 1  
Division of Reactor Projects

Docket Nos.: 50-369, 50-370  
License Nos.: NPF-9, NPF-17

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

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S. Capps

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PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE       NON-SENSITIVE  
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OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	/RA J By GW1/	/RA By FJE/					
NAME	JWorosilo	FEhrhardt					
DATE	3/2/2015	3/2/2015					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

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S. Capps

3

Letter to Steven D. Capps from Frank Ehrhardt dated March 4, 2015

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MCGUIRE NUCLEAR STATION UNITS 1  
AND 2 (NRC INSPECTION REPORT 05000369/2014001 AND 05000370/2014001)

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Institute of Nuclear Power Operations (INPO)

**McGuire**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL EXAM - INITIAL LICENSE EXAM PREP</b>		<b>3</b>
1	03/30/2015	04/03/2015	V23452	MCGUIRE/APRIL 2015 INITIAL EXAM AT POWER FACILITIES	
			<b>CDBI - COMPONENT DESIGN BASES INSPECTION</b>		<b>7</b>
1,2	04/06/2015	04/10/2015	IP 7111121	Component Design Bases Inspection	
1,2	04/27/2015	05/01/2015	IP 7111121	Component Design Bases Inspection	
1,2	05/11/2015	05/15/2015	IP 7111121	Component Design Bases Inspection	
1,2	06/01/2015	06/05/2015	IP 7111121	Component Design Bases Inspection	
			<b>OL EXAM - INITIAL LICENSE EXAM</b>		<b>3</b>
1	04/27/2015	05/08/2015	V23452	MCGUIRE/APRIL 2015 INITIAL EXAM AT POWER FACILITIES	
			<b>RP - RP PUBLIC RAD SAFETY BASELINE</b>		<b>2</b>
1,2	06/22/2015	06/26/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	06/22/2015	06/26/2015	IP 71124.07	Radiological Environmental Monitoring Program	
1,2	06/22/2015	06/26/2015	IP 71151	Performance Indicator Verification	
			<b>HS - TRIENNIAL HEAT SINK PERFORMANCE</b>		<b>1</b>
1,2	07/13/2015	07/17/2015	IP 7111107T	Heat Sink Performance	
			<b>EP - EP EXERCISE</b>		<b>8</b>
1,2	08/03/2015	08/07/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	08/03/2015	08/07/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
1,2	08/03/2015	08/07/2015	IP 71151	Performance Indicator Verification	
			<b>ISI - UNIT 2 IN-SERVICE INSPECTION</b>		<b>1</b>
2	09/21/2015	09/25/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>RP - RAD HAZARDS ANALYSIS AND TRANSPORTATION</b>		<b>2</b>
1,2	09/21/2015	09/25/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	09/21/2015	09/25/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1,2	09/21/2015	09/25/2015	IP 71151	Performance Indicator Verification	
			<b>TFPI - TRIENNIAL FIRE PROTECTION INSP</b>		<b>4</b>
1,2	11/16/2015	11/20/2015	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
1,2	12/07/2015	12/11/2015	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
			<b>OL EXAM - INITIAL LICENSE EXAM PREP</b>		<b>3</b>
1	02/29/2016	03/04/2016	V23467	MCGUIRE MARCH 2016 INITIAL EXAM AT POWER FACILITIES	
			<b>RP - RP OCCUPATIONAL INSPECTION WEEK 1</b>		<b>3</b>
1,2	03/14/2016	03/20/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/14/2016	03/20/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/14/2016	03/20/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	

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

**McGuire**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>RP - RP OCCUPATIONAL INSPECTION WEEK 1</b>					<b>3</b>
1,2	03/14/2016	03/20/2016	IP 71124.04	Occupational Dose Assessment	
1,2	03/14/2016	03/20/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1,2	03/14/2016	03/20/2016	IP 71151	Performance Indicator Verification	
<b>ISI - UNIT 1 IN-SERVICE INSPECTION</b>					<b>1</b>
1	03/28/2016	04/01/2016	IP 7111108P	Inservice Inspection Activities - PWR	
<b>RP - RP OCCUPATIONAL INSPECTION WEEK 2</b>					<b>2</b>
1,2	03/28/2016	04/01/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/28/2016	04/01/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/28/2016	04/01/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	03/28/2016	04/01/2016	IP 71124.04	Occupational Dose Assessment	
1,2	03/28/2016	04/01/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1,2	03/28/2016	04/01/2016	IP 71151	Performance Indicator Verification	
<b>OL EXAM - INITIAL LICENSE EXAM</b>					<b>3</b>
1	03/28/2016	04/08/2016	V23467	MCGUIRE MARCH 2016 INITIAL EXAM AT POWER FACILITIES	
<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>					<b>4</b>
1,2	05/02/2016	05/06/2016	IP 71152B	Problem Identification and Resolution	
1,2	05/16/2016	05/20/2016	IP 71152B	Problem Identification and Resolution	

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