



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

March 4, 2014

Mr. Steven D. Capps  
Site Vice President  
Duke Energy Corporation  
McGuire Nuclear Station  
MG01VP/12700 Hagers Ferry Road  
Huntersville, NC 28078

**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 11, 2014, 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 through December 31, 2013. 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 Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance for both units 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 safety significance (Green) and all PIs indicated that your performance was within the nominal, expected range (Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 will reflect this revision to Inspection Manual Chapter (IMC) 0310. The CY 2013 end-of-cycle assessments were conducted using the IMC 0310 guidance in effect in CY 2013 (dated October 28, 2011). Cross-cutting aspects identified in 2013 using the 2013 terminology will be converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

The enclosed inspection plan lists the inspections scheduled through June 30, 2015. Routine inspections performed by resident inspectors are not included in the inspection plan. We will also be performing an operator licensing examinations. 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.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events" is ongoing. This audit includes an onsite component in order for the NRC to evaluate mitigating strategies as described in licensee submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The onsite component has been scheduled for the week of August 4, 2014. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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 NRC's documentation 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 404-997-4551 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Gerald J. McCoy, 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  
(03/01/2014 – 06/30/2015)

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

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	CWR /RA/	GJM /RA for/	GJM /RA/				
NAME	CRapp	ARuh	GMcCoy				
DATE	02/25/2014	02/27/2014	02/27/2014				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

S. Capps

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Letter to Steven D. Capps from Gerald J. McCoy dated March 4, 2014

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

Distribution w/encl:

C. Evans, RII

L. Douglas, RII

OE Mail

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RidsNrrPMMcGuire Resource

ROP Assessment

Institute of Nuclear Power Operations (INPO)

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
2	03/31/2014	04/04/2014	ISI - UNIT 2 IN-SERVICE INSPECTION IP 711108P	Inservice Inspection Activities - PWR	1
1, 2	06/09/2014	06/13/2014	PI&R - PROBLEM IDENTIFICATION AND RESOLUTION IP 71152B	Problem Identification and Resolution	5
1, 2	06/23/2014	06/27/2014	IP 71152B	Problem Identification and Resolution	
1, 2	06/23/2014	06/27/2014	OL EXAM - REQUAL INSP IP 711111B	Licensed Operator Requalification Program	2
1	07/14/2014	07/18/2014	OL EXAM - INITIAL LICENSE EXAM PREP V23428	MCGUIRE/AUGUST 2014 INITIAL EXAM AT POWER FACILITIES	3
1, 2	08/04/2014	08/08/2014	PB1T190 - TI-190 IP 2515/190	Inspection of Interim Actions of Near-Term Task Force Recommendation 2.1 Flooding Reevaluations	1
1	08/11/2014	08/15/2014	OL EXAM - INITIAL LICENSE EXAM WEEK 1 V23428	MCGUIRE/AUGUST 2014 INITIAL EXAM AT POWER FACILITIES	3
1	08/18/2014	08/22/2014	OL EXAM - INITIAL LICENSE EXAM WEEK 2 V23428	MCGUIRE/AUGUST 2014 INITIAL EXAM AT POWER FACILITIES	3
1, 2	09/15/2014	09/19/2014	RP - RP OCCUPATIONAL BASELINE IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/15/2014	09/19/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/15/2014	09/19/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/15/2014	09/19/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	09/15/2014	09/19/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	09/15/2014	09/19/2014	IP 71151	Performance Indicator Verification	
1, 2	09/22/2014	09/26/2014	EP - EP PROGRAM INSPECTION IP 7111402	Alert and Notification System Testing	3
1, 2	09/22/2014	09/26/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	09/22/2014	09/26/2014	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	09/22/2014	09/26/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	09/22/2014	09/26/2014	IP 71151	Performance Indicator Verification	
1	09/29/2014	10/03/2014	ISI - UNIT 1 IN-SERVICE INSPECTION IP 711108P	Inservice Inspection Activities - PWR	1
1, 2	09/29/2014	10/03/2014	RP - RP OCCUPATIONAL BASELINE WEEK2 IP 71124.01	Radiological Hazard Assessment and Exposure Controls	3
1, 2	09/29/2014	10/03/2014	IP 71124.02	Occupational ALARA Planning and Controls	

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

McGuire

Inspection / Activity Plan

03/01/2014 - 06/30/2015

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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		<b>RP</b>	<b>- RP OCCUPATIONAL BASELINE WEEK2</b>		
1, 2	09/29/2014 10/03/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation		3
1, 2	09/29/2014 10/03/2014	IP 71124.04	Occupational Dose Assessment		
1, 2	09/29/2014 10/03/2014	IP 71124.05	Radiation Monitoring Instrumentation		
1, 2	09/29/2014 10/03/2014	IP 71151	Performance Indicator Verification		
		<b>HS</b>	<b>- TRIENNIAL HEAT SINK PERFORMANCE</b>		1
1, 2	03/09/2015 03/13/2015	IP 711107T	Heat Sink Performance		
		<b>CDBI</b>	<b>- COMPONENT DESIGN BASES INSPECTION</b>		7
1, 2	04/06/2015 04/10/2015	IP 711121	Component Design Bases Inspection		
1, 2	04/27/2015 05/01/2015	IP 711121	Component Design Bases Inspection		
1, 2	05/11/2015 05/15/2015	IP 711121	Component Design Bases Inspection		
1, 2	06/01/2015 06/05/2015	IP 711121	Component Design Bases Inspection		
		<b>RP</b>	<b>- RP PUBLIC RAD SAFETY BASELINE</b>		2
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		

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