



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

September 3, 2013

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

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR MCGUIRE NUCLEAR STATION  
UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000369/2013006 AND  
05000370/2013006)**

Dear Mr. Capps:

On August 13, 2013, the NRC completed its mid-cycle performance review of McGuire Nuclear Station Unit 1 and Unit 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2012, through June 30, 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 the performance at McGuire Unit 1 and Unit 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 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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the ROP baseline inspections, we will also conduct reactor operator licensing examinations. 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> (the Public Electronic Reading Room).

Please contact me at 404-997-4607 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Jonathan H. Bartley, Chief  
Reactor Projects Branch 1  
Division of Reactor Projects

Docket No.: 50-369, 50-370

License No.: NPF-9, NPF-17

Enclosure: McGuire Inspection/Activity Plan  
(09/01/2013 – 12/31/2014)

cc: Distribution via Listserv

S. Capps

2

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ADAMS:  Yes      ACCESSION NUMBER: ML13246A162       SUNSI REVIEW COMPLETE       FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	CWR /RA/	JHB /RA/					
NAME	CRapp	JBartley					
DATE	08/21/2013	08/29/2013					
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 Jonathan H. Bartley dated September 3, 2013

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR MCGUIRE NUCLEAR STATION  
UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000369/2013006 AND  
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McGuire

## Inspection / Activity Plan

09/01/2013 - 12/31/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	10/14/2013 10/18/2013	<b>MODS</b> IP 7111117T	<b>- PLANT MODIFICATIONS INSPECTION</b> Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	3
1, 2	10/28/2013 11/01/2013	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	4
1	11/04/2013 11/08/2013	<b>OL EXAM</b> V23402	<b>- INITIAL EXAM PREP</b> MCGUIRE/DECEMBER 2013 INITIAL EXAM AT POWER FACILITIES	5
1	12/02/2013 12/06/2013	<b>OL EXAM</b> V23402	<b>- INITIAL EXAM WEEK 1</b> MCGUIRE/DECEMBER 2013 INITIAL EXAM AT POWER FACILITIES	4
1	12/09/2013 12/13/2013	<b>OL EXAM</b> V23402	<b>- INITIAL EXAM WEEK 2</b> MCGUIRE/DECEMBER 2013 INITIAL EXAM AT POWER FACILITIES	4
2	03/31/2014 04/04/2014	<b>ISI</b> IP 7111108P	<b>- UNIT 2 IN-SERVICE INSPECTION</b> Inservice Inspection Activities - PWR	1
2	04/07/2014 04/11/2014	<b>SGISI</b> IP 7111108P	<b>- UNIT 2 SG IN-SERVICE INSPECTION</b> Inservice Inspection Activities - PWR	1
1, 2	06/09/2014 06/13/2014	<b>PI&amp;R</b> IP 711152B	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b> Problem Identification and Resolution	4
1, 2	06/23/2014 06/27/2014	IP 711152B	Problem Identification and Resolution	4
1, 2	06/23/2014 06/27/2014	<b>OL EXAM</b> IP 7111111B	<b>- REQUAL INSP</b> Licensed Operator Requalification Program	1
1	07/14/2014 07/18/2014	<b>OL EXAM</b> V23428	<b>- INITIAL LICENSE EXAM PREP</b> MCGUIRE/AUGUST 2014 INITIAL EXAM AT POWER FACILITIES	3
1	08/11/2014 08/15/2014	<b>OL EXAM</b> V23428	<b>- INITIAL LICENSE EXAM WEEK 1</b> MCGUIRE/AUGUST 2014 INITIAL EXAM AT POWER FACILITIES	3
1	08/18/2014 08/22/2014	<b>OL EXAM</b> V23428	<b>- INITIAL LICENSE EXAM WEEK 2</b> MCGUIRE/AUGUST 2014 INITIAL EXAM AT POWER FACILITIES	3
1, 2	09/22/2014 09/26/2014	<b>EP</b> IP 7111402	<b>- EP PROGRAM INSPECTION</b> Alert and Notification System Testing	1
1, 2	09/22/2014 09/26/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	1
1, 2	09/22/2014 09/26/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	1
1, 2	09/22/2014 09/26/2014	IP 711151	Performance Indicator Verification	1
1, 2	09/22/2014 09/26/2014	<b>RP</b> IP 71124.01	<b>- RP OCCUPATIONAL BASELINE</b> Radiological Hazard Assessment and Exposure Controls	3
1, 2	09/22/2014 09/26/2014	IP 71124.02	Occupational ALARA Planning and Controls	3
1, 2	09/22/2014 09/26/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	3

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

Enclosure

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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		<b>RP - RP OCCUPATIONAL BASELINE</b>		<b>3</b>
1, 2	09/22/2014 09/26/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	09/22/2014 09/26/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	09/22/2014 09/26/2014	IP 71151	Performance Indicator Verification	
		<b>ISI - UNIT 1 IN-SERVICE INSPECTION</b>		<b>1</b>
1	09/29/2014 10/03/2014	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>RP - RP OCCUPATIONAL BASELINE WEEK2</b>		<b>2</b>
1, 2	10/06/2014 10/10/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/06/2014 10/10/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	10/06/2014 10/10/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	10/06/2014 10/10/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	10/06/2014 10/10/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	10/06/2014 10/10/2014	IP 71151	Performance Indicator Verification	
		<b>SGISI - UNIT 1 SG IN-SERVICE INSPECTION</b>		<b>1</b>
1	10/06/2014 10/10/2014	IP 7111108P	Inservice Inspection Activities - PWR	

Comments:

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