



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

September 4, 2012

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

**SUBJECT: MID-CYCLE LETTER FOR MCGUIRE NUCLEAR STATION UNIT 1 AND UNIT 2  
(NRC INSPECTION REPORT 05000369/2012006 AND 05000370/2012006)**

Dear Mr. Capps:

On August 14, 2012, 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, 2011, through June 30, 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. This assessment reflects the integration of the Security Cornerstone into the IMC 0305, "Reactor Oversight Process." ROP performance assessment program governed by IMC 0305, "Operating Reactor Assessment Program."

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 (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 December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to ROP baseline inspections, we will conduct initial reactor operator examinations and, consistent with the Agency's actions related to Fukushima, TI-187, Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns and TI-188, Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns. 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

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

Enclosure: Catawba Inspection/Activity Plan (09/01/2012 – 12/31/2013)

cc w/Encl: (See page 3)

S. Capps

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Sincerely,

**/RA/**

Jonathan H. Bartley, Chief  
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cc w/Encl: (See page 3)

X PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

X NON-SENSITIVE

ADAMS: ☐ Yes

ACCESSION NUMBER: \_\_\_\_\_

X SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII:DRP						
SIGNATURE	JHB /RA/						
NAME	JBartley						
DATE	08/24/2012						
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: [HTTP://PORTAL.NRC.GOV/EDO/RII/DRP/BRANCH1/QUARTERLY DEBRIEF INPUTS/MNS MID-CYCLE LETTER.DOCX](http://portal.nrc.gov/EDO/RII/DRP/BRANCH1/QUARTERLY%20DEBRIEF%20INPUTS/MNS%20MID-CYCLE%20LETTER.DOCX)

S. Capps

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cc w/encl:

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S. Capps

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Letter to Regis T. Repko from Jonathan H. Bartley dated September 4, 2012

SUBJECT: MID-CYCLE LETTER FOR MCGUIRE NUCLEAR STATION UNIT 1 AND UNIT 2  
(NRC INSPECTION REPORT 05000369/2012006 AND 05000370/2012006)

Distribution w/encl:

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L. Douglas, RII

OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMMcGuire Resource

INPO

ROP Reports

McGuire

## Inspection / Activity Plan

09/01/2012 - 12/31/2013

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		<b>PSB1-RP - OCCUPATIONAL RP BASELINE WK1</b>		3
1, 2	09/17/2012 09/21/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/17/2012 09/21/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/17/2012 09/21/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/17/2012 09/21/2012	IP 71124.04	Occupational Dose Assessment	
1, 2	09/17/2012 09/21/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	09/17/2012 09/21/2012	IP 71151	Performance Indicator Verification	
		<b>EB3 ISI - UNIT 2 INSERVICE INSPECTION &amp; RPVH EXAMS</b>		2
2	09/24/2012 09/28/2012	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>EB3SGISI - UNIT 2 SG INSERVICE INSPECTION</b>		2
2	10/01/2012 10/05/2012	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>PSB1-RP - OCCUPATIONAL RP BASELINE WK2</b>		3
1, 2	10/01/2012 10/05/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/01/2012 10/05/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	10/01/2012 10/05/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	10/01/2012 10/05/2012	IP 71124.04	Occupational Dose Assessment	
1, 2	10/01/2012 10/05/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	10/01/2012 10/05/2012	IP 71151	Performance Indicator Verification	
		<b>TI-188 - TI-188 P2 - NTTF 2.3 - SEISMIC WALKDOWNS</b>		1
1, 2	10/10/2012 10/10/2012	IP 2515/188	Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	
		<b>PSB1EP - EMERGENCY PREPAREDNESS INSPECTION</b>		2
1, 2	11/05/2012 11/09/2012	IP 7111402	Alert and Notification System Testing	
1, 2	11/05/2012 11/09/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	11/05/2012 11/09/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	11/05/2012 11/09/2012	IP 71151	Performance Indicator Verification	
		<b>ISFSI - ISFSI MAGNASTOR INITIAL CAMPAIGN</b>		2
1, 2	01/21/2013 01/25/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
		<b>PSB1-RP - RAD HAZARDS ANALYSIS AND TRANSPORTATION</b>		2
1, 2	03/18/2013 03/22/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/18/2013 03/22/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	03/18/2013 03/22/2013	IP 71151	Performance Indicator Verification	
		<b>ISI - UNIT 1 INSERVICE INSPECTION</b>		2
1	03/25/2013 03/29/2013	IP 7111108P	Inservice Inspection Activities - PWR	

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

Enclosure

McGuire

## Inspection / Activity Plan

09/01/2012 - 12/31/2013

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
1	04/01/2013	04/05/2013	<b>SGISI</b> - UNIT 1 SG INSERVICE INSPECTION IP 7111108P Inservice Inspection Activities - PWR		1
1, 2	07/01/2013	07/03/2013	<b>MCG TFPI</b> - MCG - TRIENNIAL FIRE PROTECTION INSP IP 7111105T Fire Protection [Triennial]		5
1, 2	07/22/2013	07/26/2013	IP 7111105T Fire Protection [Triennial]		
1, 2	08/05/2013	08/09/2013	IP 7111105T Fire Protection [Triennial]		
1, 2	07/08/2013	07/12/2013	<b>PSB1-RP</b> - RP PUBLIC RAD SAFETY BASELINE IP 71124.06 Radioactive Gaseous and Liquid Effluent Treatment		3
1, 2	07/08/2013	07/12/2013	IP 71124.07 Radiological Environmental Monitoring Program		
1, 2	07/08/2013	07/12/2013	IP 71151 Performance Indicator Verification		
1, 2	08/05/2013	08/09/2013	<b>EP</b> - EMERGENCY PREPAREDNESS EXERCISE IP 7111401 Exercise Evaluation		1
1, 2	08/05/2013	08/09/2013	IP 71151 Performance Indicator Verification		
1, 2	10/14/2013	10/18/2013	<b>MODS</b> - PERM MODS 50.59 INSPECTION IP 7111117T Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		3
1, 2	10/28/2013	11/01/2013	IP 7111117T Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		
1	11/04/2013	11/08/2013	<b>OL EXAM</b> - INITIAL EXAM PREP V23402 MCGUIRE/SEPTEMBER 2012 INITIAL EXAM AT POWER FACILITIES		3
1	12/02/2013	12/06/2013	<b>OL EXAM</b> - INITIAL EXAM WEEK 1 V23402 MCGUIRE/SEPTEMBER 2012 INITIAL EXAM AT POWER FACILITIES		3
1	12/09/2013	12/13/2013	<b>OL EXAM</b> - INITIAL EXAM WEEK 2 V23402 MCGUIRE/SEPTEMBER 2012 INITIAL EXAM AT POWER FACILITIES		3

Comments:

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Enclosure