



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

September 2, 2014

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

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR MCGUIRE NUCLEAR STATION UNITS
1 AND 2 (NRC INSPECTION REPORT 05000369/2014006 AND
05000370/2014006)**

Dear Mr. Capps:

On August 14, 2014, the NRC completed its mid-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 July 1, 2013, through June 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 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 December 31, 2015. The NRC will also be conducting initial operator licensing examinations. 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

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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>.

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
(09/01/2014 – 12/31/2015)

cc distribution via ListServ

S. Capps

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NAME	CRapp	JZeiler	GMcCoy				
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S. Capps

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Letter to Steven D. Capps from Gerald J. McCoy dated September 2, 2014

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR MCGUIRE NUCLEAR STATION UNITS
1 AND 2 (NRC INSPECTION REPORT 05000369/2014006 AND
05000370/2014006)

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ROP Assessment

ROP Reports

Institute of Nuclear Power Operations (INPO)

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			RP - RP OCCUPATIONAL BASELINE		3
1, 2	09/15/2014	09/19/2014	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	
			ISI - UNIT 1 IN-SERVICE INSPECTION		1
1	09/22/2014	09/26/2014	IP 711108P	Inservice Inspection Activities - PWR	
			EP - EP PROGRAM INSPECTION		3
1, 2	09/22/2014	09/26/2014	IP 7111402	Alert and Notification System Testing	
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	
			RP - RP OCCUPATIONAL BASELINE WEEK2		3
1, 2	09/29/2014	10/03/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/29/2014	10/03/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/29/2014	10/03/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
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	
			HS - TRIENNIAL HEAT SINK PERFORMANCE		1
1, 2	03/09/2015	03/13/2015	IP 711107T	Heat Sink Performance	
			CDBI - COMPONENT DESIGN BASES INSPECTION		10
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	
			RP - RP PUBLIC RAD SAFETY BASELINE		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	

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

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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		EP	- EP EXERCISE	
1, 2	08/03/2015 08/07/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	5
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 711151	Performance Indicator Verification	
		ISI	- UNIT 2 IN-SERVICE INSPECTION	1
2	09/21/2015 09/25/2015	IP 7111108P	Inservice Inspection Activities - PWR	
		RP	- RAD HAZARDS ANALYSIS AND TRANSPORTATION	2
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 711151	Performance Indicator Verification	
		TFPI	- TRIENNIAL FIRE PROTECTION INSP	4
1, 2	11/16/2015 11/20/2015	IP 7111105x	Fire Protection - NFFPA 805 (Triennial)	
1, 2	12/07/2015 12/11/2015	IP 7111105x	Fire Protection - NFFPA 805 (Triennial)	

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