



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

March 4, 2013

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 05000369/2012001 AND  
05000370/2012001)**

Dear Mr. Capps:

On February 12, 2013, 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, 2012, through December 31, 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.

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 (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, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. We will also be performing an Independent Spent Fuel Storage Installation Initial Campaign inspection; Temporary Instruction 182, Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping; and 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.

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: McGuire Nuclear Station Inspection/  
Activity Plan (03/01/2013 – 06/30/2014)

cc w/encl: (See page 3)

S. Capps

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cc w/encl: (See page 3)

PUBLICLY AVAILABLE

NON-PUBLICLY AVAILABLE

SENSITIVE

NON-SENSITIVE

ADAMS:  Yes

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

SUNSI REVIEW COMPLETE  FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	CWR /RA/	JHB /RA/					
NAME	CRapp	JBartley					
DATE	02/27/2013	02/27/2013					
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  
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S. Capps

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Letter to Steven D. Capps from Jonathan H. Bartley dated March 4, 2013

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MCGUIRE NUCLEAR STATION UNITS  
1 AND 2 (NRC INSPECTION REPORT 05000369/2012001 AND  
05000370/2012001)

Distribution w/encl:

C. Evans, RII

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OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMMcGuire Resource

ROP Assessment

Institute of Nuclear Power Operations (INPO)

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	03/18/2013 03/22/2013	RP - RAD HAZARDS ANALYSIS AND TRANSPORTATION		2
		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	
1	03/25/2013 03/29/2013	ISI - UNIT 1 INSERVICE INSPECTION		2
		IP 7111108P	Inservice Inspection Activities - PWR	
1	04/01/2013 04/05/2013	SGISI - UNIT 1 SG INSERVICE INSPECTION		1
		IP 7111108P	Inservice Inspection Activities - PWR	
1, 2	06/10/2013 06/14/2013	ISFSI - ISFSI MAGNASTOR INITIAL CAMPAIGN		2
		IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
1, 2	08/05/2013 08/09/2013	EP - EMERGENCY PREPAREDNESS EXERCISE		1
		IP 7111401	Exercise Evaluation	
1, 2	08/05/2013 08/09/2013	IP 71151	Performance Indicator Verification	
1, 2	07/08/2013 07/12/2013	RP - RP PUBLIC RAD SAFETY BASELINE		2
		IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
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	07/15/2013 07/17/2013	TI-182 - TI-182 BURIED PIPING/TANK - PHASE 2		1
		IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
1, 2	10/14/2013 10/18/2013	MODS - PLANT MODIFICATIONS INSPECTION		3
		IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
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	OL EXAM - INITIAL EXAM PREP		2
		V23402	MCGUIRE/DECEMBER 2013 INITIAL EXAM AT POWER FACILITIES	
1	12/02/2013 12/06/2013	OL EXAM - INITIAL EXAM WEEK 1		2
		V23402	MCGUIRE/DECEMBER 2013 INITIAL EXAM AT POWER FACILITIES	
1	12/09/2013 12/13/2013	OL EXAM - INITIAL EXAM WEEK 2		2
		V23402	MCGUIRE/DECEMBER 2013 INITIAL EXAM AT POWER FACILITIES	
2	03/31/2014 04/04/2014	ISI - UNIT 2 IN-SERVICE INSPECTION		1
		IP 7111108P	Inservice Inspection Activities - PWR	
2	04/07/2014 04/11/2014	SGISI - UNIT 2 SG IN-SERVICE INSPECTION		1
		IP 7111108P	Inservice Inspection Activities - PWR	

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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**PI&R - PROBLEM IDENTIFICATION AND RESOLUTION**

1, 2	06/09/2014 06/13/2014	IP 71152B	Problem Identification and Resolution	4
1, 2	06/23/2014 06/27/2014	IP 71152B	Problem Identification and Resolution	

**OL EXAM - REQUAL INSP**

1, 2	06/23/2014 06/27/2014	IP 71111111B	Licensed Operator Requalification Program	1
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Comments: