



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

March 4, 2011

Mr. Regis T. Repko
Vice President
Duke Energy Carolinas, LLC
McGuire Nuclear Station
MG01VP/12700 Hagers Ferry Road
Huntersville, NC 28078

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MCGUIRE NUCLEAR STATION UNITS 1
AND 2 (REPORT 05000369/2011001 AND 05000370/2011001)

Dear Mr. Repko:

On February 9, 2011, the NRC completed its end-of-cycle performance review of McGuire Nuclear Station (MNS) 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, 2010, through December 31, 2010. 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 performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, MNS Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at MNS 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 June 30, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. We also plan on conducting several infrequently performed inspections which include: Temporary Instruction (TI) 2515/177, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems;" Inspection Procedure (IP) 60854, "Preoperational Testing of an ISFSI;" TI 2515/179, "National Source Tracking System Verification;" IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants;" and initial reactor operator license 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.

From January 1, 2010, to December 31, 2010, the NRC issued three Severity Level IV traditional enforcement violations associated with impeding the regulatory process. The NRC evaluated the need to conduct IP 92723, "Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period." The NRC decided not to schedule an IP 92723 inspection because it is likely that two of these violations would have been identified by you during implementation of planned corrective actions in this area. The NRC will re-evaluate the need for conducting this inspection during the mid-cycle assessment meeting in August 2011.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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 Bartley, Chief
Reactor Projects Branch 1
Division of Reactor Projects

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

cc w/encl: (See page 3)

Enclosure: McGuire Inspection/Activity Plan (03/01/2011 – 6/30/2012)

DEC

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cc w/encl:

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Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
2	03/07/2011	03/11/2011	EB3 ISI IP 7111108P	- UNIT 2 INSERVICE INSPECTION Inservice Inspection Activities - PWR	1
1	05/23/2011	05/27/2011	OL EXAM V23350	- INITIAL EXAM PREP MCGUIRE/MAY 2011 EXAM AT POWER FACILITIES	6
1, 2	06/27/2011	07/01/2011	TI-177 IP 2515/177	- TI-177 GAS INTRUSION Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	3
1	06/27/2011	07/01/2011	OL EXAM V23350	- INITIAL EXAM WEEK MCGUIRE/MAY 2011 EXAM AT POWER FACILITIES	7
1, 2	06/27/2011	07/01/2011	PSB1-RP IP 2515/179	- RP PUBLIC RADIATION PROTECTION INSP Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	4
1, 2	06/27/2011	07/01/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	06/27/2011	07/01/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	06/27/2011	07/01/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/27/2011	07/01/2011	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	06/27/2011	07/01/2011	IP 71151	Performance Indicator Verification	
1, 2	07/11/2011	07/15/2011	ISFSI IP 60854	- ISFSI DRY RUN FOR MAGANASTOR Preoperational Testing Of An ISFSI	6
1, 2	07/23/2011	07/28/2011	ISFSI IP 60855	- ISFSI FIRST CAMPAIGN OF MAGNASTOR Operation Of An ISFSI	4
1, 2	08/08/2011	08/12/2011	PSB1EP IP 7111401	- EMERGENCY PREPAREDNESS EXERCISE Exercise Evaluation	3
1, 2	08/08/2011	08/12/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	08/08/2011	08/12/2011	IP 71151	Performance Indicator Verification	
1	09/26/2011	09/30/2011	EB3 ISI IP 7111108P	- UNIT 1 IN-SERVICE INSPECTION Inservice Inspection Activities - PWR	1
1	09/26/2011	09/30/2011	EB3SGISI IP 7111108P	- UNIT 1 SG IN-SERVICE INSPECTION Inservice Inspection Activities - PWR	1
1, 2	02/13/2012	02/17/2012	CDBI IP 7111121	- COMPONENT DESIGN BASES INSPECTION Component Design Bases Inspection	6
1, 2	03/05/2012	03/09/2012	IP 7111121	Component Design Bases Inspection	
1, 2	03/19/2012	03/23/2012	IP 7111121	Component Design Bases Inspection	
1, 2	04/02/2012	04/06/2012	IP 7111121	Component Design Bases Inspection	
1, 2	03/05/2012	03/09/2012	EB3 HS IP 7111107T	- TRIENNIAL HEAT SINK INSPECTION Heat Sink Performance	1