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

March 11, 2011

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

SUBJECT: WILLIAM B. MCGUIRE NUCLEAR STATION - NRC EMERGENCY PREPAREDNESS ANNUAL INSPECTION REPORT 05000369/2010502 AND 05000370/2010502

Dear Mr. Repko:

On December 31, 2010, the NRC staff completed its annual inspection of the Emergency Preparedness Program at the William B. McGuire Nuclear Station. This inspection began on January 1, 2010. Issuance of this letter closes Inspection Report 05000369/2010502 and 05000370/2010502. Inspection activities charged to these reports include conducting mid-cycle/end of cycle assessment activities, responding to technical questions from resident inspectors or licensee personnel, and, in some cases, performing traditional enforcement activities. Any observations and findings in this area were provided to you via separate correspondence.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of the NRC's document system (ADAMS). ADAMS is accessible from the NRC Website at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Sincerely,

/RA/

Brian Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket No.: 50-369, 50-370
License No.: NPF-9, NPF-17

cc w/encl.: (See page 2)

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