



**GARY R. PETERSON**  
Vice President  
McGuire Nuclear Station

**Duke Energy Corporation**  
MG01VP / 12700 Hagers Ferry Rd.  
Huntersville, NC 28078

704 875 5333  
704 875 4809 fax  
grpeters@duke-energy.com

May 10, 2006

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Subject: Duke Power Company LLC d/b/a  
Duke Energy Carolinas, LLC  
McGuire Nuclear Station  
Docket Nos. 50-369 and 50-370  
Annual Radiological Environmental Operating Report

Pursuant to the requirements of Technical Specification 5.6.2, attached is the Annual Radiological Environmental Operating Report (AREOR) for the 2005 calendar year.

Questions regarding this report should be directed to Kay Crane, McGuire Regulatory Compliance at (704) 875-4306.

Gary R. Peterson

JEAS

U. S. Nuclear Regulatory Commission  
May 10, 2006  
Page 2

Mr. John Stang, Project Manager  
U. S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Washington, D.C. 20555

Mr. William D. Travers  
U. S. Nuclear Regulatory Commission, Region II  
Atlanta Federal Center  
61 Forsyth St., SW, Suite 23T85  
Atlanta, GA 30303

Division of Radiation Protection  
3825 Barrett Drive  
Raleigh, N.C. 27609-7221

Mr. Joe Brady  
Senior Resident Inspector  
McGuire Nuclear Site