

April 25, 2007

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 Radioactive Effluent Release Report

Pursuant to the requirements of Technical Specification 5.6.3 and Section 16.11-17 of the McGuire Selected Licensee Commitments (SLC) Manual, attached is the Annual Radioactive Effluent Release Report. A CD-Rom is attached containing the revised Offsite Dose Calculation Manual. No changes were made to the Process Control Program (PCP) during the 2006 calendar year.

The following Attachments form the contents of the report:

- Attachment 1 Radioactive Effluent Releases and Supplemental Information
- Attachment 2 Solid Waste Disposal Report
- Attachment 3 Unplanned Offsite Releases
- Attachment 4 Fuel Cycle Calculation
- Attachment 5 Inoperable Monitoring Equipment
- Attachment 6 Groundwater Protection Initiative

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


Gary R. Peterson

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