



Steven D. Capps
Vice President
McGuire Nuclear Station
Duke Energy
MG01VP | 12700 Hagers Ferry Road
Huntersville, NC 28078
o: 980.875.4805
f: 980.875.4809
Steven.Capps@duke-energy.com

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U. S. Nuclear Regulatory Commission
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Subject: Duke Energy Carolinas, LLC
McGuire Nuclear Station, Units 1 and 2.
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 Selected Licensee Commitments (SLC) Manual, attached is a compact disc (CD-Rom) containing the Annual Radioactive Effluent Release Report for the period of January 1, 2016 through December 31, 2016. The CD-Rom also contains the entire Offsite Dose Calculation Manual (Revision 58) pursuant to the requirements of Technical Specification 5.5.1.

The CD-Rom contains the following attachments:

- Attachment 1 Summary of Gaseous and Liquid Effluents
- Attachment 2 Supplemental Information
- Attachment 3 Solid Radioactive Waste Disposal
- Attachment 4 Meteorological Data
- Attachment 5 Unplanned Offsite Releases
- Attachment 6 Assessment of Radiation Dose from Radioactive Effluents to Members of the Public
- Attachment 7 Information to Support the Nuclear Energy Institute (NEI) Groundwater Protection Initiative
- Attachment 8 Inoperable Equipment
- Attachment 9 Summary of Changes to the Offsite Dose Calculation Manual and entire Offsite Dose Calculation Manual
- Attachment 10 Summary of Changes to the Process Control Program
- Attachment 11 Summary of Major Modifications to the Radioactive Waste Treatment Systems
- Attachment 12 Errata to Previous Year's ARERR

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Questions concerning this report should be directed to P.T. Vu, McGuire Regulatory Affairs at (980) 875-4302.

A handwritten signature in black ink, appearing to read "S.D. Capps". The signature is written in a cursive, somewhat stylized font.

Steven D. Capps

- Compact Disc: Annual Radioactive Effluent Release Report and Offsite Dose Calculation Manual (ODCM)

cc: Catherine Haney, Regional Administrator
U. S. Nuclear Regulatory Commission, Region II
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, Georgia 30303-1257

Mr. Mike Mahoney
McGuire Project Manager
Nuclear Regulatory Commission
11555 Rockville Pike (Mail Stop 0-8 G9A)
Rockville, MD 28052-2738

Mr. W.L. Cox, III, Section Chief
North Carolina Department of Environment and Natural Resources
Division of Environmental Health
Radiation Protection Section
1645 Mail Service Center
Raleigh, NC 27699-1645

Mr. Patrick D. Cox
N.C. Department of Health and Human Services
Environmental, Radiation Protection Section
Division of Health Service Regulation
5505 Creedmore Rd.
Suite 100, Room 167
Raleigh, NC 27612

INPO Records Center
700 Galleria Place, Suite 100
Atlanta, GA 30339-5957

Mr. Andy Hutto
NRC Senior Resident Inspector
McGuire Nuclear Station