



JAMES R. MORRIS  
Vice President

Duke Energy Corporation  
Catawba Nuclear Station  
4800 Concord Road  
York, SC 29745

803-701-4251  
803-701-3221 fax

June 7, 2010

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

Subject: Duke Energy Carolinas, LLC (Duke Energy)  
Catawba Nuclear Station, Units 1 and 2  
Facility Operating License Numbers NPF-35 and NPF-52  
Docket Numbers 50-413 and 50-414  
Independent Spent Fuel Storage Installation (ISFSI)  
ISFSI Docket Number 72-45  
Registration of Spent Fuel Storage Casks

Catawba Nuclear Station is currently loading spent nuclear fuel into NAC-UMS dry cask storage systems as controlled by Certificate of Compliance No. 1015, Amendment No. 4. In accordance with 10 CFR 72.212(b)(1)(ii), Duke hereby registers the use of cask serial numbers CN0FCTKN036 and CN0FCTKN044. Loading of cask CN0FCTKN036 was completed and the cask was placed on the ISFSI pad on May 17, 2010. Loading of cask CN0FCTKN044 was completed and the cask was placed on the ISFSI pad on May 28, 2010.

There are no NRC commitments contained in this letter.

Please direct questions on this matter to L.J. Rudy, Catawba Regulatory Compliance, at (803) 701-3084.

Very truly yours,

James R. Morris

LJR/s

1145501  
MMSS

Document Control Desk

Page 2

June 7, 2010

xc:

L.A. Reyes  
Regional Administrator  
U.S. Nuclear Regulatory Commission - Region II  
Marquis One Tower  
245 Peachtree Center Ave., NE Suite 1200  
Atlanta, GA 30303-1257

G.A. Hutto, III, Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
Catawba Nuclear Station

J.H. Thompson, Project Manager (addressee only)  
U.S. Nuclear Regulatory Commission  
Mail Stop 8 G9A  
Washington, D.C. 20555

C.M. Regan, Senior Project Manager (addressee only)  
U.S. Nuclear Regulatory Commission  
Mail Stop E3 D2M  
Washington, D.C. 20555

Document Control Desk  
Page 3  
June 7, 2010

bxc:

R.D. Hart  
L.J. Rudy  
S.K. Gibby  
W.J. Murphy  
Document Control File 801.01  
RGC File  
ELL-EC050  
NCMPA-1  
NCEMC  
PMPA