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May 4, 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 CN0FCTKN026 and CN0FCTKN037. Loading of cask CN0FCTKN026 was completed and the cask was placed on the ISFSI pad on April 19, 2010. Loading of cask CN0FCTKN037 was completed and the cask was placed on the ISFSI pad on April 30, 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

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xc:

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