



**Kelvin Henderson**  
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CNS-15-100

December 7, 2015

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

Subject: Duke Energy Carolinas, LLC (Duke Energy)  
Catawba Nuclear Station, Unit 1  
Docket Number 50-413  
Core Operating Limits Report (COLR) for Cycle 23 Reload Core

Pursuant to Catawba Technical Specification 5.6.5d., please find attached an information copy and an electronic copy of the subject COLR. This COLR is being submitted to update the limits of the Unit 1 Cycle-23 reload core.

The electronic copy of this COLR is included with this letter in compact disc (CD) format. The electronic copy includes the power distribution monitoring factors.

This letter, the attached COLR, and the included CD do not contain any regulatory commitments.

Please direct any questions or concerns to L.J. Rudy at (803) 701-3084.

Very truly yours,

Kelvin Henderson  
Vice President, Catawba Nuclear Station

LJR/s

Attachments (paper and CD COLR versions)

A001  
NRK

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xc (with attachments):

L.D. Wert, Acting Region II Administrator  
U.S. Nuclear Regulatory Commission  
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Atlanta, GA 30303-1257

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

G.E. Miller, NRC Project Manager  
U.S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Mail Stop 8-G9A  
11555 Rockville Pike  
Rockville, MD 20852-2738

Attachments

Catawba Unit 1 Cycle 23 COLR  
(paper and CD COLR versions)