



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 20, 2013

Mr. K. Henderson
Site Vice President
Catawba Nuclear Station
Duke Energy Carolinas, LLC
4800 Concord Road
York, SC 29745

SUBJECT: CATAWBA NUCLEAR STATION, UNIT 1 – REQUEST FOR ADDITIONAL
INFORMATION REGARDING CORE OPERATING LIMITS REPORT FOR
CYCLE 21 (TAC NO. MF1777)

Dear Mr. Henderson:

By letter dated April 30, 2013, Duke Energy Carolinas, LLC (Duke, the licensee), submitted its Catawba Nuclear Station, Unit 1, Cycle 21, Core Operating Limits Report, pursuant to Technical Specification 5.6.5.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the licensee's submittal and determined that additional information is needed in order to complete our review. The enclosed document describes this request for additional information (RAI). On July 30, 2013, the Duke staff indicated that a response to the RAI would be provided within 60 days of the date of this letter.

If you have any questions, please call me at 301-415-5888.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason C. Paige", written over a large, stylized, circular scribble.

Jason C. Paige, Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-413

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION
BY THE OFFICE OF NUCLEAR REACTOR REGULATION
REGARDING CORE OPERATING LIMITS REPORT FOR CYCLE 21
CATAWBA NUCLEAR STATION, UNIT 1

By letter dated April 30, 2013, Duke Energy Carolinas, LLC (Duke, the licensee), submitted its Catawba Nuclear Station, Unit 1, Cycle 21, Core Operating Limits Report (COLR), pursuant to Technical Specification (TS) 5.6.5.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the licensee's submittal and determined that the following additional information is needed in order to complete our review:

1. The analytical methods used to determine core operating limits for parameters identified in TS come from methodologies approved by the NRC. The approved methodologies used by Catawba are listed in Section 1.1 of the COLR. Please list which of these approved methodologies is used to determine each operating limit in Section 2.0.
2. In the COLR for Catawba Nuclear Station, Unit 1, Cycle 20 dated April 2011 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML11168A068), an exception was given under Shutdown Bank Insertion Limits in Section 2.4. The exception states:

Shutdown banks may be inserted to 219 steps withdrawn individually for up to 48 hours provided the plant was operated in steady state conditions near 100% FP [full power] prior to and during this exception.

Describe why this exception was eliminated for the Cycle 21 COLR.

3. In the COLR for Catawba Nuclear Station, Unit 1, Cycle 20, an exception was given under Control Bank Insertion Limits in Section 2.5. The exception states:

Control banks A, B, or C may be inserted to 219 steps withdrawn individually for up to 48 hours provided the plant was operated in steady state conditions near 100% FP prior to and during this exception.

Describe why this exception was eliminated for the Cycle 21 COLR.

Enclosure

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Sincerely,
/RA/
Jason C. Paige, Project Manager
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NAME	JPaige	SFiguroa	RPascarelli	JPaige
DATE	08/19/13	08/15/13	08/19/13	08/19/13

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