



CHRISTOPHER M. FALLON
Vice President
Nuclear Development

July 12, 2012

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

Duke Energy
EC09D/ 526 South Church Street
Charlotte, NC 28201-1006

Mailing Address:
P.O. Box 1006 – EC09D
Charlotte, NC 28201-1006

704-382-9248
704-519-6173 (cell)
Christopher.Fallon@duke-energy.com

Subject: Duke Energy Carolinas, LLC
William States Lee III Nuclear Station – Docket Nos. 52-018 and 52-019
AP1000 Combined License Application for the
William States Lee III Nuclear Station Units 1 and 2
Supplemental Response to Request for Additional Information
(RAI No. 2680)
Ltr# WLG2012.07-02

- References:
1. Letter from Brian Hughes (NRC) to Peter Hastings (Duke Energy), Request for Additional Information Letter No. 069 Related to SRP Section 02.04.03 – Probable Maximum Flood (PMF) on Streams and Rivers for the William States Lee III Units 1 and 2 Combined License Application, dated May 27, 2009 (ML091470226)
 2. Letter from Bryan J. Dolan (Duke Energy) to NRC Document Control Desk, Response to Request for Additional Information Letter No. 069 (RAI No. 2680) for the William States Lee III Units 1 and 2 Combined License Application, Ltr# WLG2009.06-06, dated June 19, 2009 (ML091750090)

This letter provides supplemental information to Duke Energy's response (Reference 2) to the Nuclear Regulatory Commission's request for additional information (RAI 02.04.03-010) included in Reference 1.

The supplemental response to the NRC information request described in Reference 1 is addressed in a separate enclosure, which also identifies associated changes to be made in a future revision of the Final Safety Analysis Report for the Lee Nuclear Station.

If you have any questions or need any additional information, please contact Robert H. Kitchen, Nuclear Plant Development Licensing Manager, at (919) 546-6992.

Sincerely,

Christopher M. Fallon
Vice President
Nuclear Development

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NRD

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Enclosure:

- 1) Lee Nuclear Station Supplemental Response to Request for Additional Information (RAI), Letter No. 069, RAI 02.04.03-010

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xc (w/out enclosure):

Frederick Brown, Deputy Regional Administrator, Region II

xc (w/ enclosure):

Brian Hughes, Senior Project Manager, DNRL

AFFIDAVIT OF CHRISTOPHER M. FALLON

Christopher M. Fallon, being duly sworn, states that he is Vice President, Nuclear Development, Duke Energy Carolinas, LLC, that he is authorized on the part of said Company to sign and file with the U. S. Nuclear Regulatory Commission this combined license application for the William States Lee III Nuclear Station, and that all the matter and facts set forth herein are true and correct to the best of his knowledge.

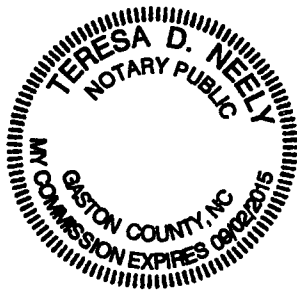
Christopher M. Fallon
Christopher M. Fallon, Vice President
Nuclear Development

Subscribed and sworn to me on July 12, 2012

Teresa D. Neely
Notary Public

My commission expires: September 2, 2015

SEAL



Lee Nuclear Station Supplemental Response to Request for Additional Information (RAI)

RAI Letter No. 069

NRC Technical Review Branch: Hydrologic Engineering Branch (RHEB)

Reference NRC RAI Number(s): 02.04.03-010

NRC Request for Additional Information:

In response to the staff's RAI 2.4.3-03, the applicant stated that a shoreline management program, consisting of removing trees from an area around the perimeter of Make-Up Pond B extending 50 ft beyond contour elevation 585 ft MSL and maintained as a grassed, paved, or otherwise suitably covered area, would be implemented and retained throughout the operational life of the proposed plants. The applicant stated that this program would limit the amount of debris generated during large floods in the watershed of Make-Up Pond B and therefore would help keep the outlet structure unblocked. The staff determined that the existence and intended functioning of the shoreline management program is essential to the justification of the assumption that the outlet structure of Make-Up Pond B's dam would remain unblocked during the PMF event. Therefore, the shoreline management program is essential to limiting the PMF water surface elevation in the Make-Up Pond B at or below the chosen design-basis flood water surface elevation. The applicant should include sufficient details of the shoreline management program in the FSAR. The applicant should also ensure that the details of the shoreline management plan are consistent with the re-estimated design-basis flood water surface elevation as indicated in staff's Supplemental RAIs RAI ID 2680 Question ID 10898, RAI ID 2680 Question ID 10899, and RAI ID 2680 Question ID 10900.

Duke Energy Supplemental Response:

Duke Energy's shoreline management program, as described in FSAR Subsection 2.4.1.2.2.6, will be revised (see Attachment 1) in a future revision of the Lee Nuclear Station FSAR to include additional program details.

References:

None

Associated Revision to the Lee Nuclear Station Final Safety Analysis Report:

1. Subsection 2.4.1.2.2.6

Attachment:

1. Lee Nuclear Station Supplemental Response to Request for Additional Information, RAI 02.04.03-010, Revision to FSAR Subsection 2.4.1.2.2.6

Attachment 1

Lee Nuclear Station Supplemental Response to Request for Additional Information

RAI 02.04.03-010

Revision to FSAR Subsection 2.4.1.2.2.6

Duke Energy Letter Dated: July 12, 2012

COLA Part 2, FSAR Chapter 2, Subsection 2.4.1.2.2.6, fifth paragraph under the "Make-Up Pond B" heading is revised as follows:

A shoreline management program is established along the banks of Make-Up Pond B. The shoreline management program consists of removing all the trees from the water's edge at elevation 570 ft. msl to 50 ft. beyond the contour elevation ~~585~~586 ft. msl around the perimeter of Make-Up Pond B. The shoreline management program also consists of removing all trees from the water's edge at elevation 575 ft. msl to 50 ft. beyond the contour elevation 592 ft. msl around the perimeter of the Upper Arm of Make-Up Pond B. These areas are paved, grassed, or other suitable alternative where appropriate, and are maintained in this manner throughout the operational life of the plant. Annual inspections of these areas will be conducted to ensure that these areas are maintained in this manner. Any tree saplings or other unwanted vegetation identified in the annual inspection will be removed and cut flush with the ground in a manner that minimizes land disturbance.