



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

June 6, 2014

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

SUBJECT: CATAWBA NUCLEAR STATION, UNITS 1 AND 2: REQUEST FOR  
ADDITIONAL INFORMATION REGARDING FLOOD HAZARD REEVALUATION  
REPORT (TAC NOS. MF3625 AND MF3626)

Dear Mr. Henderson:

By letter dated March 12, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML14077A054), Duke Energy Carolinas, LLC (the licensee) submitted a flood hazard reevaluation report for the Catawba Nuclear Station. This report was submitted in response to Enclosure 2 the Fukushima lessons learned information request (ADAMS Accession No. ML12053A340).

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 June 3, 2014, the Duke staff indicated that a response to the RAI would be provided within 30 days of the date of this letter.

If you have any questions, please call me at 301-415-2481.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Edward Miller".

G. Edward Miller, Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

Enclosure: Request for Additional  
Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

CATAWBA NUCLEAR STATION, UNITS 1 AND 2

FLOOD HAZARD REEVALUATION REPORT

DOCKET NOS. 50-413 AND 50-414

By letter dated March 12, 2014, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14077A054), Duke Energy Carolinas (Duke) submitted a Flooding Hazard Reevaluation Report (FHRR) in response to Enclosure 2 of the March 12, 2012, Fukushima Lessons Learned 50.54(f) letter. In order for the NRC staff to complete its review of the FHRR, the following additional information is requested.

1. Please provide electronic versions of input and output files for the following activities:
  - a. Calculations of Locally Intense Precipitation (LIP), Probable Maximum Precipitation, Probable Maximum Flood, dam breach, storm surge, and combined effects flooding.
  - b. The Info Works CS (IWCS) model used for LIP site surface depth analysis.
  - c. The HEC-RAS model used for reservoir PMF routing and dam break analysis.
  - d. The Coastal Engineering Design and Analysis (CEDAS) for wind-driven wave heights.
  - e. The COULWAVE model for evaluating overtopping.

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*/RAI/*

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Division of Operating Reactor Licensing  
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**ADAMS Accession No. ML14156A130**

\*vie email

OFFICE	NRR/LPL2-1/PM	NRR/LPL2-1/LA	NRO/DSEA/RHM1/BC	NRR/LPL2-1/BC
NAME	GEMiller	SFigueroa	CCook* (KErwin for)	RPascarelli
DATE	06/05/14	06/05/14	05/12/14	06/06/14

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