



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

April 22, 2015

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

SUBJECT: CATAWBA NUCLEAR STATION, UNITS 1 AND 2: REQUEST FOR  
ADDITIONAL INFORMATION REGARDING LICENSE AMENDMENT  
REQUEST TO IMPLEMENT A RISK-INFORMED, PERFORMANCE-BASED  
FIRE PROTECTION PROGRAM (TAC NOS. MF2936 AND MF2937)

Dear Mr. Henderson,

By letter dated September 25, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13276A503), Duke Energy Carolinas, LLC (Duke) submitted a license amendment request to change its fire protection program to one based on the National Fire Protection Association (NFPA) Standard 805, "Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants," 2001 Edition, as incorporated into Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Section 50.48(c).

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, as follows:

Radiation Release (RR) RAI-08

For the calculation 25019-CALC-01, "Radioactive Release from Dry Active Waste Fire Suppression Calculation," please provide a summary of the critical assumptions, methodology, input parameters, resulting doses, and conclusions.

Sincerely,

A handwritten signature in black ink that reads "R. E. Martin".

Robert E. Martin, Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

cc: Distribution via Listserv

April 22, 2015

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

**SUBJECT: CATAWBA NUCLEAR STATION, UNITS 1 AND 2: REQUEST FOR  
ADDITIONAL INFORMATION REGARDING LICENSE AMENDMENT  
REQUEST TO IMPLEMENT A RISK-INFORMED, PERFORMANCE-BASED  
FIRE PROTECTION PROGRAM (TAC NOS. MF2936 AND MF2937)**

Dear Mr. Henderson,

By letter dated September 25, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13276A503), Duke Energy Carolinas, LLC (Duke) submitted a license amendment request to change its fire protection program to one based on the National Fire Protection Association (NFPA) Standard 805, "Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants," 2001 Edition, as incorporated into Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Section 50.48(c).

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, as follows:

Radiation Release (RR) RAI-08

For the calculation 25019-CALC-01, "Radioactive Release from Dry Active Waste Fire Suppression Calculation," please provide a summary of the critical assumptions, methodology, input parameters, resulting doses, and conclusions.

Sincerely,

**/RA/**  
Robert E. Martin, Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

cc: Distribution via Listserv

DISTRIBUTION:

PUBLIC LPL2-1 R/F RidsNrrDorlLpl2-1 Resource RidsRgn2MailCenter Resource  
RidsNrrPMCatawbaResource RidsAcrsAcnw\_MailCTR Resource  
RidsNrrLASFiguroa Resource RidsNrrDeEicb Resource

**ADAMS Accession No. ML15110A453**

\*Via E-mail

OFFICE	NRR/LPL2-1/PM	NRR/LPL2-1/LA	NRR/DRA/ARCB	NRR/LPL2-1/BC	NRR/LPL2-1/PM
NAME	BMartin	SFiguroa	UShoop*	RPascarelli	BMartin
DATE	04/21/15	04/21/15	04/01/15	04/22/15	04/22/15

OFFICIAL RECORD COPY