



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

April 22, 2015

Mr. Kelvin 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 RELIEF REQUEST 14-CN-002
FOR CATAWBA, UNIT 1 (TAC NOS. MF4864 AND MF4865)

Dear Mr. Henderson,

By letter dated September 15, 2014, Duke Energy Carolinas, LLC, submitted a relief request for the Catawba Nuclear Station, Units 1 and 2 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14265A043). The proposed relief would authorize continued use of High Density Polyethylene in Class 3 Service Water Piping for the fourth 10-year ISI Interval at Catawba Nuclear Station, Units 1 and 2.

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 the NRC staff's review. Enclosure 1 describes this request for additional information (RAI). In a teleconference on April 13, 2015, Duke staff agreed to a response of 30 days from 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: As stated

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

RELIEF REQUEST 14-CN-002

USE OF HDPE IN CLASS 3 SERVICE WATER PIPING

DUKE ENERGY CAROLINAS, LLC

CATAWBA NUCLEAR STATION, UNITS 1 AND 2

DOCKET NOS. 50-413 AND 50-414

TAC NOS. MF4864 AND MF4865

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1. ~~Please confirm your Construction Code of record for buried ASME Class 3 piping is ASME Boiler and Pressure Vessel Code, Section III, Subsection ND, 1974 Edition through Summer 1974 Addenda.¹~~
2. In the submittal you state that approximately 20,000 linear feet of HDPE material in non-safety related Low Pressure Service Water System (RL system) has been in service since 1998 and that the continued operability of this system provides evidence of long-term reliability of HDPE material. Have there been any indications of leaking or flaws in the RL buried piping? If so, what was the method of repair for this piping?
3. You state that portions of the RL piping are inside the plant and, as such, are accessible for inspection. Provide the inspection history for this piping, including type of inspection, frequency of inspection, and repair history. What is the future inspection plan/procedure for this piping?
4. If the RL piping starts to show degradation, what enhanced monitoring of the RN piping would be put into place?

¹ In a teleconference on April 13, 2015, Duke identified that the Construction Code of record was specified in Section 2 of the relief request. No further information is needed with regard to this question.

Enclosure

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ADAMS Accession No. ML15110A089

*via E-mail

OFFICE	NRR/LPLI-1/PM	NRR/LPL2-1/LA	NRR/DE/EPNB	NRR/LPL2-1/BC
NAME	GEMiller	SFiguroa	DAlley*	RPascarelli
DATE	04/21/15	04/21/15	03/28/15	04/22/15

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