

NRR-PMDAPEm Resource

From: Miller, Ed
Sent: Monday, March 30, 2015 10:46 AM
To: 'lawrence.rudy@duke-energy.com'
Subject: Draft RAI for HDPE RR-CN-002
Attachments: DRAFT RAI_RR 14 CN 002.docx

Larry,

The NRC staff's draft RAI for the subject relief request is attached to this e-mail. The draft RAI is not an official NRC staff request and is being provided to you to facilitate a subsequent conference call to determine: 1) If the questions clearly convey the NRC staff information needs; 2) Whether the regulatory basis for the questions is understood; 3) Whether the information is already available in existing, docketed, correspondence; and 4) To determine an appropriate response time-frame. After you've had a chance to review the draft information request, please contact me to schedule the conference call.

Ed Miller
(301) 415-2481

Hearing Identifier: NRR_PMDA
Email Number: 1958

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From: Miller, Ed

Created By: Ed.Miller@nrc.gov

Recipients:
"lawrence.rudy@duke-energy.com" <lawrence.rudy@duke-energy.com>
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DRAFT REQUEST FOR ADDITIONAL INFORMATION REGARDING

CATAWBA NUCLEAR STATION, UNITS 1 AND 2

RELIEF REQUEST 14-CN-002

USE OF HDPE IN CLASS 3 SERVICE WATER PIPING

DOCKET NOS. 50-413 AND 50-414

By letter dated December, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML174265A043), Duke Energy Carolinas (Duke) submitted a relief request for the Catawba Nuclear Station, Units 1 and 2. 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 & 2. In order for the NRC staff to complete its review of the relief request, the following additional information is requested.

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.
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?

ENCLOSURE