



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

December 15, 2022

LICENSEE: Duke Energy Carolinas, LLC

FACILITY: Catawba Nuclear Station, Units 1 and 2

SUBJECT: SUMMARY OF DECEMBER 8, 2022, PUBLIC MEETING WITH DUKE ENERGY CAROLINAS, LLC, REGARDING PRE-APPLICATION MEETING TO DISCUSS THE PROPOSED LICENSE AMENDMENT REQUEST TO REVISE TS 3.7.11 "CONTROL ROOM AREA CHILLED WATER SYTEM (CRACWS)" (EPID L-2022-LRM-0086)

On December 8, 2022, an Observation public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Duke Energy Carolinas, LLC (Duke Energy, the licensee). The purpose of the meeting was for Duke Energy to discuss a proposed license amendment request (LAR), for Catawba Nuclear Station, Units 1 and 2, to revise Technical Specification (TS) 3.7.11, "Control Room Area Chilled Water System (CRACWS)."

The meeting notice and agenda, dated October 25, 2022, are available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML22298A092. The licensee's presentation is available in ML22336A038. A list of the meeting attendees is provided as an enclosure to this letter.

### Background

The CRACWS provides cooling water to the air handling units that provide air temperature control to the control room, control room area, and essential switchgear rooms. If both CRACWS trains are inoperable, TS 3.7.11 currently requires Unit 1 and Unit 2 to enter Limiting Condition for Operation (LCO) 3.0.3, which requires a shutdown of both units. The licensee is proposing to allow 24 hours to restore one train to operable if both trains are inoperable. The presentation included an overview of the CRACWS system, the design bases, the proposed TS changes, the proposed mitigating actions, and the planned site modifications to be put in place to allow operation for 24 hours with both trains of CRACWS inoperable.

### Discussion

During the teleconference, Duke Energy followed the presentation.

The NRC staff discussed the following issues:

- Given that the proposed control room temperature limit is <80 degrees Fahrenheit (°F) and the control room upper bound limit is 90°F, upon reaching the 80°F limit, the NRC questioned if there is a need to include a discussion if the control room will heatup beyond the 90°F upper bound during the time it takes to

shutdown both units (LCO 3.0.3 requires shutdown to Mode 3 in 6 hours and Mode 5 in 36 hours).

- Actions for structures, systems and components (SSCs) for any potential impact to control room and essential switchgear rooms for equipment above 90°F.
- Consideration of the design bases, TS, and impact on the safety-related SSCs, including the essential switchgear, that will be affected by two inoperable CRACWS for a 24-hour period.
- Any CRACWS modifications that will be credited, such as defense-in-depth, mitigating actions, and compensatory measures.
- The licensee stated they will provide similar technical justification and level of detail in the June 30, 2017, Byron Station and Braidwood Station application (ML17181A276). The NRC staff noted that there may be differences between the precedent and Catawba and suggested that the LAR should reflect their own licensing basis and site specific design.
- Consider including the proposed TS bases change pages, for information only.

No members of the public were in attendance.

No regulatory decisions or commitments were made during the meeting.

Please direct any inquiries to me at 301-415-1009, or [Shawn.Williams@nrc.gov](mailto:Shawn.Williams@nrc.gov).

*/RA/*

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Plant Licensing Branch, II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

Enclosure:  
List of Attendees

cc: Listserv

LIST OF ATTENDEES

DECEMBER 8, 2022, PUBLIC MEETING WITH DUKE ENERGY CAROLINAS

REGARDING A PRE-APPLICATION MEETING TO DISCUSS

TS 3.7.11 " CONTROL ROOM AREA CHILLED WATER SYTEM (CRACWS)"

CATAWBA NUCLEAR STATION, UNITS 1 AND 2

Nuclear Regulatory Commission Staff

Shawn Williams  
Gordon Curran  
William Rautzen  
Joshua Wilson  
Ed Miller

Duke Energy Carolinas Participants

Ryan Treadway  
Chuck Jenkins  
Frank Hale  
Chet Sigmon  
Scott Milton

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WRautzen, NRR  
JWilson, STSB

**ADAMS Accession Nos.:**

**Package: ML22335A408**

**Meeting Summary: ML22335A401**

**Meeting Notice: ML22298A092**

**Presentation: ML22336A038**

OFFICE	NRR/DORL/LPL2-1/PM	NRR/DORL/LPL2-1/LA	NRR/DSS/SCP/BC
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DATE	12/13/2022	12/14/2022	12/12/2022
OFFICE	NRR/DORL/LPL2-1/BC	NRR/DORL/LPL2-1/PM	
NAME	MMarkley	SWilliams	
DATE	12/15/2022	12/15/2022	

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