

November 10, 2016

MEMORANDUM TO: Kevin Hsueh, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Jonathan G. Rowley, Project Manager /RA/
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE SEPTEMBER 14, 2016, PUBLIC MEETING
BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND
THE PRESSURIZED WATER REACTOR OWNERS GROUP
REGARDING THE REVISED DRAFT SAFETY EVALUATION FOR
TOPICAL REPORT WCAP-17308, "TREATMENT OF DIESEL
GENERATOR (DG) TECHNICAL SPECIFICATION FREQUENCY AND
VOLTAGE TOLERANCES"

On September 14, 2016, a Category 2 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and the Pressurized Water Reactor Owners Group (PWROG) to discuss the revised draft safety evaluation (SE) for Topical Report (TR) WCAP-17308. The PWROG desired to discuss its concerns and issues associated with the revised draft SE. A list of meeting attendees is enclosed and the meeting notice dated September 2, 2016, is available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML16246A135.

The meeting began with the introduction of attendees and opening remarks by Division of Engineering Director, John Lubinski and PWROG Chairman, Jack Stringfellow. During his opening remarks, John Lubinski informed the PWROG of the options the NRC sees that the PWROG has for the continuation of the review if new and significant information was not discussed during the meeting: 1) the NRC could issue a final SE without modification of the draft SE, 2) the NRC could issue a final SE with limitations and conditions, or 3) the PWROG could withdraw the TR. Jack Stringfellow also gave the PWROG presentation. The discussions centered on Slides 7 and 8 of the PWROG presentation available at ADAMS Accession No. ML16286A427).

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The bullets on Slide 7 indicates that the revised draft SE incorrectly states that some safety related systems and components required to mitigate accidents and support safe shutdown of a nuclear power plant are outside of the scope of the methodology described in the TR. The PWROG made it clear that the methodology does address systems and components that are automatically loaded onto the diesel generator (DG). The NRC indicated that more work needs to be done to evaluate the extent to which manually loaded equipment can be excluded from the methodology (Action Item #1).

On Slide 8, the PWROG indicated that the revised draft SE requires plants with marginal capabilities to perform a detailed analyses to evaluate performance of certain components. The NRC clarified the PWROG understanding of the statements. The PWROG no longer has a concern with the statements.

The PWROG stated that Surveillance Requirement (SR) 3.8.1.2 is a monthly functional test to demonstrate that the DG starts and maintains a steady state voltage and frequency as opposed to tolerance bands for voltage and frequency. The NRC maintains that the second sentence of note 2 and the voltage and frequency bands should remain in SR 3.8.1.2 so that a design basis fast start of the DG be performed monthly using voltage and frequency bands if the DG manufacturer does not recommend a slow start (Action Item #2).

Action Items

1. The NRC will inform the PWROG if manually connected loads should be included in scope of the methodology proposed in WCAP-17308.

The NRC is to provide the PWROG a schedule, after hearing back for the PWROG on Action Item #2, as to when the NRC will make a determination whether or not manually connected loads should be included in scope of the proposed methodology.

2. The NRC does not agree that SR 3.8.1.2 should be modified by deleting the second sentence of Note 2 or deleting the voltage and frequency ranges as proposed in WCAP-17308. The PWROG is to ask its membership if the review is to continue or be terminated based on the NRC position. No additional work is to be performed by the NRC until the PWROG provides its membership's response.

Project No. 694

Enclosure:
List of Attendees

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ADAMS Accession Nos.: Pkg. - ML16288A807; Notice - ML16246A135; Summary - ML16288A814; Presentation - ML16286A427; *concurrent via e-mail

NRC-001

OFFICE	PLPB/PM	PLPB/LA*	PLPB/BC	PLPB/PM
NAME	JRowley	DHarrison	KHsueh	JRowley
DATE	11/10/16	11/7/16	11/10/16	11/10/16

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List of Attendees

U.S. Nuclear Regulatory Commission (NRC) and Pressurizer Water Reactor Owners Group (PWROG) Meeting Regarding Revised Draft Safety Evaluation for WCAP-17308

September 14, 2016

Name	Organization
Ken Heffner	Certrec Corporation
Gary Naylor	Dominion
Mark Kluge	Exelon
Jane Marshall	NRC
Jonathan Rowley	NRC
Kevin Hsueh	NRC
John Lubinski	NRC
Mirela Gavrilas	NRC
Michael Markley	NRC
David Alley	NRC
Peter Snyder	NRC
Alex Klein	NRC
Robert Wolfgang	NRC
Leslie Perkins	NRC
Jacob Zimmerman	NRC
Singh Matharu	NRC
Jack Stringfellow	PWROG
John Minley	Southern Nuclear Company (SNC)
Phillip Grissom	SNC
Richard McIntosh*	Talen Energy
Steve Swanter	Westinghouse Electric Company (Westinghouse)
Jim Andrachek	Westinghouse

Enclosure