



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

February 24, 2024

MEMORANDUM TO: Gerond A. George, Chief
Licensing Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

FROM: Leslie C. Fields, Senior Project Manager /RA/
Licensing Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF OCTOBER 11, 2023, U.S. NUCLEAR
REGULATORY COMMISSION PUBLIC OBSERVATION
MEETING ON CLARIFICATION OF REQUESTS FOR
ADDITIONAL INFORMATION (PART 2) FOR TOPICAL REPORT
PWROG-18068-NP, REVISION 1 (EPID L-2021-TOP-0027)

On October 11, 2023, the U.S. Nuclear Regulatory Commission (NRC) staff held a second public meeting with the Pressurized Water Reactor Owners Group (PWROG) to provide clarification on Request for Additional Information (RAI) questions regarding Topical Report (TR) PWROG-18068-NP, Revision 1, "Use of Direct Fracture Toughness for Evaluation of Reactor Pressure Vessel Integrity" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21209A933) transmitted for NRC review and approval on July 17, 2021. The October 11, 2023, public meeting was held virtually and provided the opportunity for continuation (part 2) of RAI topics discussed during the August 4, 2023, public meeting where more time was requested to complete the RAI discussion. The meeting notice for the October 11, 2023, public meeting is publicly available at ADAMS Package Accession No. ML23270B109. A list of the meeting attendees is enclosed in this meeting summary.

TR PWROG-18068 provides an alternative methodology to the Reactor Pressure Vessel material integrity requirements which are available in Title 10 of the *Code of Federal Regulations* Appendix G to Part 50, "Fracture Toughness Requirements," Section 50.60, "Acceptance criteria for fracture prevention measures for lightwater nuclear power reactors for normal operation," and Section 50.61, "Fracture toughness requirements for protection against pressurized thermal shock events." As a result of the technical review of TR PWROG-18068, Revision 1, the NRC staff transmitted RAI questions and PWROG provided the proposed responses to the RAI questions. During the August 4, 2023, public observation meeting, the NRC staff provided clarification on the first half of PWROG's draft responses up to RAI 13, and the October 11, 2023, public meeting provided the additional time needed to discuss the second part of the draft RAI responses. The entire draft RAI response markup is available at ADAMS Accession No. ML23180A161.

CONTACT: Leslie Fields, NRR/DORL

301-415-1186

During the meeting on October 11, 2023, the NRC staff provided clarification on RAI 13 through RAI 25 except for RAI 24 which was comprehensively discussed at the August 4, 2023, public meeting. It was decided that the NRC staff would conduct an in-person regulatory audit in the near future as the final phase of the RAI discussion and PWROG's final RAI responses would be subsequently submitted after the audit.

The regulatory audit was held on January 17 and 18, 2024. The regulatory audit plan can be found at ADAMS Package Accession No. ML24008A051.

The meeting summary for the August 4, 2023, public meeting (Part 1) is available at ADAMS Package Accession No. ML23270B860.

At the conclusion of the meeting, there was an opportunity for the public to provide comments and ask questions. It was noted that no public comments were received.

Please direct any inquiries to me at (301) 415-1186 or by e-mail at Leslie.Fields@nrc.gov.

Docket No. 99902037

Enclosure:

List of Meeting Attendees

Meeting Participants:

SUMMARY OF OCTOBER 11, 2023, PUBLIC MEETING ON CLARIFICATION OF REQUEST FOR ADDITIONAL INFORMATION QUESTIONS FOR TOPICAL REPORT PWROG-18068, REVISION 1 ATTENDANCE LIST	
Name	Organization
Leslie Fields	U.S. Nuclear Regulatory Commission (NRC)
Gerond George	NRC
David Dijamco	NRC
Angie Buford	NRC
John Tsao	NRC
Robert Tregoning	NRC
Dan Widrevitz	NRC
James Medoff	NRC
James Molkenthin	Westinghouse Electric Company (Westinghouse)
Chad Holderbaum	Westinghouse
James Andrachek	Westinghouse
Brian Hall	Westinghouse
Benjamin Mays	Westinghouse
Krishan Garg	PSEG Nuclear
Dale Turinetti	American Electric Power (AEP)
Shane Webb	Florida Power & Light (FPL)
Mathew Jones	FPL
Osvaldo Cruz	Constellation
Lora Drenth	Constellation
Edwin Lyman	UCSUSA
Corey Thomas	Southern Company
Johan Blomstroem	Vattenfall
Clark Shurtleff	Holtec
Bergman, Jana	Curtiss-Wright

Enclosure

SUBJECT: SUMMARY OF OCTOBER 11, 2023, U.S. NUCLEAR REGULATORY COMMISSION PUBLIC OBSERVATION MEETING ON CLARIFICATION OF REQUESTS FOR ADDITIONAL INFORMATION (PART 2) FOR TOPICAL REPORT PWROG-18068-NP, REVISION 1 (EPID L-2021-TOP-0027) DATED FEBRUARY 22, 2024

DISTRIBUTION:

PUBLIC

RidsNrrOd Resource

RidsOgcMailCenter Resource

RidsNrrDra Resource

RidsNrrDorLLpb Resource

RidsOpaMail Resource

RidsACRS_MailCTR Resource

DDjamco, NRR

DWidrevitz, NRR

LFields, NRR

DRudland, NRR

ABuford, NRR

AHiser, NRR

MBenson, NRR

CFairbanks, NRR

JTsoo, NRR

RTregoning, RES

ADAMS Accession Nos.**ML23270B859 (Package)****ML23270B109 (Notice)****ML23180A161 (NRC Draft Responses)****ML24040A215 (Summary)**

OFFICE	NRR/DORL/LLPB/PM	NRR/DORL/LLPB/LA	NRR/DNRL/NVIB/BC
NAME	LFields	DHarrison	ABuford
DATE	02/12//2024	02/20/2024	02/16/2024
OFFICE	NRR/DORL/LLPB/BC	NRR/DORL/LLPB/PM	
NAME	GGeorge	LFields	
DATE	02/20/2024	02/22/2024	

OFFICIAL RECORD COPY