



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

February 16, 2022

MEMORANDUM TO: Richard Chang, 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 THE DECEMBER 9, 2021, US NUCLEAR  
REGULATORY COMMISSION CLOSED MEETING WITH THE  
PRESSURIZED WATER REACTOR OWNERS GROUP TO  
DISCUSS ITEMS PERTAINING TO DIVERSE AND FLEXIBLE  
COPING STRATEGIES (FLEX) DATA ANALYSIS

On December 9, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held a closed meeting with the Pressurized Water Reactor Owners Group (PWROG) representatives to discuss follow-up items from NRC's March 2020, Diverse and Flexible Coping Strategies (FLEX) audit. The meeting notice and agenda for the December 9, 2021, closed meeting are available in the NRC's Agencywide Documents Access and Management System (ADAMS) at Accession No. ML21333A216. The meeting attendance list is enclosed in this summary.

#### Background

As a result of the March 2020 FLEX audit, the NRC staff was provided the opportunity to review PWROG's draft topical report (TR) entitled, PWROG-18043-P Revision 0, "FLEX Equipment Data Collection and Analysis," which addresses an approach to collect and analyze non-FLEX equipment while describing operating experience initiatives. On June 10, 2020, the NRC staff published an audit summary report discussing the NRC's findings and observations associated with the March 2020 FLEX audit which is publicly available in ADAMS. To address NRC's audit findings, in September of 2021, the PWROG developed TR PWROG-18043-P, Revision 1 (PWROG-18043, Rev. 1) with updated and revised analysis based on NRC's audit summary report.

#### Discussion Topics

In the December 2021 closed meeting, the PWROG's discussion topics included: 1) the overview of Rev. 1 to PWROG-18043, 2) the review of NRC's 2020 audit observations and findings, 3) PWROG's responses to audit comments, and 4) discussion of future activities. The PWROG representatives provided a synopsis of the revisions to the analysis provided in TR PWROG-18043, Rev. 1, based on the most recent data analysis associated with NRC's audit

feedback. In addition, the PWROG representatives presented the latest updates on assumptions and uncertainties associated with the analysis. The PWROG representatives also presented an update on the audit feedback provided in the Idaho National Laboratories (INL) staff and contractors' technical report INL/EXT-20-58327, "Evaluation of Weakly Informed Priors for FLEX Data," which analyzed the weakly informed prior statistical method which was used for FLEX equipment, but based on the INL report did not have adequate run or start data.

### Conclusion

At the conclusion of the meeting, it was stated that future activities are ongoing and data collection and analysis will continue throughout 2022. No regulatory decisions or commitments were made during the meeting.

Please direct any inquiries to me at (301) 415-1186 or by e-mail at [leslie.fields@nrc.gov](mailto:leslie.fields@nrc.gov).

Enclosure:  
List of Attendees

LIST OF ATTENDEES

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SUBJECT: SUMMARY OF THE DECEMBER 9, 2021, NUCLEAR REGULATORY COMMISSION CLOSED MEETING WITH THE PRESSURIZED WATER REACTOR OWNERS GROUP TO DISCUSS ITEMS PERTAINING TO DIVERSE AND FLEXIBLE COPING STRATEGIES DATA ANALYSIS DATED: FEBRUARY 16, 2022

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**ADAMS Accession Nos.:**

**ML22042B336 (Package)**  
**ML21333A216 (Meeting Notice)**  
**ML22042B337 (Meeting Summary)**  
**ML20155K827 (NRC Audit Summary Report)**  
**ML20155K835 (INL Technical Report)**

\*by email

OFFICE	NRR/DORL/LLPB/PM*	NRR/DORL/LLPB/LA*	NRR/DORL/LLPB/BC*
NAME	LFields	DHarrison	RChang
DATE	2/11/2022	2/15/2022	2/16/2022

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