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Dr. George Apostolakis
Director

December 8, 2025

Mr. J.W. Stetkar, Chairman
Technical Advisory Committee

Subject: TAC REPORT ON THE INTERNAL FLOODING GUIDE
(November 27, 2025)

Dear Chairman Stetkar:

We appreciate the discussions during the review of our research activities on the Internal Flooding PRA Guide (IFPRAG), as well as the Committee's insightful observations. We also thank the Committee for concluding that "*The analytical methods in the IFPRAG are consistent with the best international state-of-practice for evaluation of the risk from internal flooding events*".

The NRRC's response to the TAC recommendations is as follows:

Trial Pilot Application

We agree with TAC's recommendation to conduct a trial pilot application. First, the NRRC staff will collaborate closely with a representative PWR or BWR Japanese utility to identify the technical gaps between the NRRC's IFPRAG and the Japanese utilities' current practical approach through this trial pilot application. Then, the NRRC staff will summarize the practical experience gained from using the IFPRAG and implement necessary revisions of the IFPRAG to close the identified technical gaps.

The NRRC staff will continue to demonstrate the IFPRAG through the trial pilot application. When the IFPRAG is updated and sufficient insights are available, the NRRC will provide the TAC with further detailed information based on the experience and lessons learned from the trial pilot study.

Sincerely,

A handwritten signature in blue ink, appearing to read "George Apostolakis". The signature is fluid and cursive, with a long horizontal stroke at the end.

George Apostolakis