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Mr. J.W. Stetkar
Chairman
Technical Advisory Committee

Subject: TAC Report titled STATUS OF IKATA PROBABILISTIC RISK ASSESSMENT MODELS AND
RECOMMENDED RESEARCH dated November 15, 2015

Dear Chairman Stetkar:

During the 4th meeting of the Technical Advisory Committee of the Nuclear Risk Research Center held in October 26-30, 2015, the Committee discussed the progress and improvements on the Ikata Unit 3 PRA.

In the subject report, the committee concluded that the PRA team is making excellent progress toward the development of a state-of-practice PRA for the evaluation of internal initiating events.

The committee recommended that we should work with the Japanese nuclear industry to develop research, methods, and guidance for improved treatment of the following phenomena in PRA:

- Consequential failures of steam generator tubes during certain severe accident scenarios
- Initiating events caused by failures of multiple tubes in a steam generator
- Leakage rates through isolation valves and low pressure systems exposed to reactor coolant system pressure
- Treatment of common cause failures in models for the quantification of plant-specific initiating event frequencies
- Treatment of national, regional, and site-specific data for the causes, frequency, and duration of offsite power failures

We agree with this recommendation and will start to work with industry to identify necessary actions and to develop an appropriate action plan.

We appreciate the discussions throughout the review of the IKATA unit 3 PRA and the committee's insights. We look forward to continued interactions with TAC on this topic.

Sincerely,



George Apostolakis