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Dr. George Apostolakis, Head, NRRC

April 16, 2021

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

Subject: TAC Report titled "DETAILS OF ENVISIONED RISK-INFORMED DECISION-  
MAKING FRAMEWORK" dated March 26, 2021

Dear Chairman Stetkar:

We appreciate our interactions with TAC and the Committee's insights throughout the review of our research plan. In response to your recommendation, we would like to describe first how we coordinate our research activities with the utilities' needs.

The utilities' latest needs are presented in the "Strategic and Action Plans for the Establishment of a Risk-Informed Decision-Making Process at Nuclear Power Plants (updated in 2020)" (\*1), which was published on June 19, 2020. The utilities describe in the Plans "the operators' future efforts to expand the scope of the PRA application", "expansion of the scope of PRA", and "research and development" including cooperation with NRRC.

In parallel, NRRC has the "NRRC R&D Roadmap" (\*2) as a counterpart of the utilities' Strategic and Action Plans. Based on this Roadmap, we develop the NRRC research plan every year to incorporate the specific needs of the utilities through the following working groups:

- Working Group 1 (WG1) and Working Group 2 (WG2), each of which consists of sub-WGs for the discussions of individual research projects, share the research results with managers of the head office of each company, and decide on implementation items and the schedule for individual research projects.
- The "Technical Conference" (\*3), which consists of senior managers from the head office of each company, and the "CNO Conference" (\*3), which consists of the Chief Nuclear Officers

of each company, confirm that all the NRRC research programs are commensurate with the utilities' needs.

These processes enable the NRRC to communicate with the utilities regularly and to receive their specific feedback even during the performance of the research.

\*1: Refer to the following URL

[https://www.fepc.or.jp/about\\_us/pr/oshirase/\\_\\_icsFiles/afieldfile/2020/06/19/press\\_20200619\\_b.pdf](https://www.fepc.or.jp/about_us/pr/oshirase/__icsFiles/afieldfile/2020/06/19/press_20200619_b.pdf) (Japanese only)

\*2: Refer to the following URL

<https://criepi.denken.or.jp/jp/nrrc/intro/pdf/roadmap.pdf?2020> (Japanese)

<https://criepi.denken.or.jp/en/nrrc/intro/pdf/roadmap.pdf?2020> (English)

\*3: Refer to the following URL

<https://criepi.denken.or.jp/jp/nrrc/intro/conference.html> (Japanese)

<https://criepi.denken.or.jp/en/nrrc/intro/conference.html> (English)

It is true that we have not used explicitly TAC's terminology of Risk Integration Component and Risk Management Component. We will think about this terminology in the context of our research projects and we will discuss it with the utilities. We would also like to discuss it with TAC at the next meeting in Tokyo. Unfortunately, organizing a videoconference is impossible due to the geographical location of TAC members.

Sincerely,

A handwritten signature in blue ink, appearing to read "George Apostolakis".

George Apostolakis