

Summary of 8th Chief Nuclear Officer Conference

1. Date: June 9, 2017 (Fri.) 09:30 ~ 12:00
2. Place: Otemachi Headquarters, Central Research Institute of Electric Power Industry (CRIEPI)

3. Participants:

Chair: Apostolakis (NRRC)

Members: Kawada (Hokkaido EPCO, substitute for Sakai),
Watanabe (Tohoku EPCO), Anegawa (TEPCO HD),
Kurata (Chubu EPCO), Ueno (Hokuriku EPCO, substitute for Nishino), Morinaka (Kansai EPCO, substitute for Toyomatsu), Hayashi (Chugoku EPCO, substitute for Furubayashi), Tamagawa (Shikoku EPCO), Nakamura (Kyushu EPCO), Ichimura (JAPC), Takei (JNFL), Urashima (J-Power), Yokoo, Omoto (NRRC)

Observer: Ono (FEPC), Nakano (JANSI),

NRRC Management: Meserve, Takahashi, Zama, Sakai, Ueda, Yamamoto

Organizer: Shimeno (NRRC)

4. Proceedings:

(1) R&D Results of FY2016

NRRC presented the R&D results of FY2016.

(Remark of the industry members)

- We have to pay attention to the unique characteristics of liquefaction of nuclear power plants due to greater ground motion estimates than those of general buildings. Also, it is important to conduct survey and experiment of liquefaction with consideration of deeper underground structure.

(2) Preliminary Draft of Implementation Strategy of Risk-Informed Decision Making Process

NRRC reported on a preliminary draft of implementation strategy of Risk-Informed Decision Making process.

(4) Activities of NRRC

NRRC reported on the results of recent events as follows:

- CRIEPI R&D Forum 2017
- Technical Advisory Committee (TAC) meeting
- Risk-Informed Decision Making Workshop.

(4) Discussion with the NRRC Head

(Remarks of the NRRC head)

- There is a certain attitude not only in Japan but all over the world that the deterministic approach does not have any deficiencies and probabilistic approach with PRA should prove itself to have further benefit. But neither approach is perfect. Experience with PRA has shown many deficiencies in the deterministic approach. So we have proposed the risk-informed approach which incorporates both approaches to make decisions.
- One benefit of the new inspection process is that the regulator and the industry can start to communicate using “risk” as a common language. I believe this is a very valuable step to use “risk information” in other applications.