

Summary of the 15th Chief Nuclear Officer Conference

1. Date: Nov. 9, 2022 (Wed.) 13:00 ~ 15:00
2. Place: Otemachi Headquarters, Central Research Institute of Electric Power Industry (CRIEPI), and Webex

3. Participants:

Chair: Apostolakis (NRRC)

Members: Funane (Hokkaido EPCO), Kato (Tohoku EPCO),
Fukuda (TEPCO HD), Ihara (Chubu EPCO),
Fukumura (Hokuriku EPCO), Matsumura (Kansai EPCO),
Kitano (Chugoku EPCO),
Kawanishi (Shikoku EPCO; substitute for Yamada),
Toyoshima (Kyushu EPCO), Kenda (JAPC),
Ota (JNFL; substitute for Matsuda), Hagiwara (J-Power),
Asaoka (NRRC)

Observer: Nakaguma (FEPC), Ono (JANSI), Uozumi & Tomioka (ATENA),
Meserve (NRRC)

Organizer: Furuta (NRRC)

NRRC Management: Yoshida, Yoneda, Iwashima, Sakuramoto, Nishi,
Matsuyama

4. Proceedings:

(1) R&D Research Plans of FY2023

The NRRC presented the FY2023 research plan.

(2) Activities of NRRC

The NRRC reported on its research activities.

Main comments from committee members:

- The utilities proposed and discussed AOT extension and OLM as risk-informed applications at the meeting for the exchange of opinions between the NRA and the CNOs. As a result of the discussion, these initiatives were supposed to be advanced but in reality, have had little practical progress yet.
- The effort toward specific risk-informed applications such as LCO change and AOT extension will be a breakthrough in the use of PRA in regulations.
- We want to use available PRA technology in areas of various practical benefits such as ROP with the regulator's understanding of the concept of risk information.
- The whole utilities, not a sole utility, should depict a "roadmap" for the considerations such as what new regulatory approach should be and/or what

optimal state of equipment should be in collaboration with the NRRC through the discussion with NRA via ATENA.

Main remarks from Director:

- Despite the long discussions on risk assessment and risk information utilization for the industry and the regulation, the NRA has delivered no clear statement encouraging the use of risk information.
- The U.S. NRC issued the policy statement quite a long time ago. It is essentially important for the commission to direct the staff and the industry to embrace the use of PRA.
- Since the utilities and the regulator use risk information to improve nuclear safety in the U.S., we can do the same thing in Japan.
- At the NRA public meeting on October 26, Chairman Yamanaka mentioned "continuous improvement" as the fifth of their five objectives and said it included the risk concept. I think this risk concept means more than just safety goals. So, now the utilities should decide what to do to promote the use of PRA.