

Summary of 7th Chief Nuclear Officer Conference

1. Date: November 8, 2016 (Tue.) 10:00AM ~ 12:20AM
2. Place: Otemachi Headquarter, Central Research Institute of Electric Power Industry (CRIEPI)

3. Participants:

Chair: Apostolakis (NRRC)

Members: Sakai (Hokkaido EPCO), Watanabe (Tohoku EPCO), Anegawa (Tokyo EPCO), Sakaguchi (Chubu EPCO), Nishino (Hokuriku EPCO), Morinaka (Kansai EPCO, substitute for Toyomatsu), Hayashi (Chugoku EPCO, substitute for Furubayashi), Tamagawa (Shikoku EPCO), Nakamura (Kyushu EPCO), Ishizaka (JAPC, substitute for Ichimura), Ishihara (JNFL), Urashima (J-Power), Yokoo (NRRC)

Observer: Ono (Federation of Electric Power Companies), Nakano (JANSI), Takahashi, Zama, Sakai, Ueda (NRRC)

Organizer: Shimeno (NRRC)

4. Proceedings:

(1) Overview of R&D Plan for FY2017

NRRC presented the R&D plans for FY2017.

(Remark of the NRRC head)

- Regarding risk communication among staff in a company/plant, it is crucial that not only the section responsible for PRA but also the operations and maintenance sections utilize the insights gained from PRA. For this purpose, we, NRRC, want to develop the best communication method/process among staff by collaborating with utilities.

(2) Activity Status of NRRC

NRRC reported on the current status such as the activities of RIDM (Risk-Informed Decision Making) promotion team.

(3) Discussion with the NRRC Head

Industry members stated the vision of each company on RIDM and reported on activities such as developing human resources, establishing the technical basis and sharing common understanding among staff.

(Remarks of the industry members)

- As to Human reliability analysis, we expect from NRRC to develop the plant-specific PRA model by integrating plant information, such as the technical level of its operators, so that we can benefit from it in improving operations.
- We expect support from NRRC in evaluating the fragility of structures such as breakwater against external natural hazards. The technical basis for this purpose is not developed in Japan yet.

(Remark of the NRRC head)

- In implementing the plant-specific PRA, it is important to take the spatial arrangement of the equipment into consideration in addition to the geographic location of the plant and various initiating events. To systematically identify the spatial arrangement of facilities and equipment, the plant walkdowns with not only plant personnel but also technical experts (e. g. seismic, tsunami and flooding) are indispensable.