

Summary of 6th Chief Nuclear Officer Conference

1. Date : June 3, 2016 (Fri.) 9:30AM ~ 11:50AM
2. Place: Otemachi Headquarter, Central Research Institute of Electric Power Industry (CRIEPI)
3. Participants:
 - Chair : Apostolakis (NRRC)
 - Members: Sakai (Hokkaido EPCO), Kato (Tohoku EPCO, substitute for Watanabe), Anegawa (Tokyo EPCO), Sakaguchi (Chubu EPCO), Nishino (Hokuriku EPCO), Toyomatsu (Kansai EPCO), Iwasaki (Chugoku EPCO, substitute for Furubayashi), Kakinoki (Shikoku EPCO), Nakamura (Kyushu EPCO), Ichimura (JAPC), Yamamoto (JNFL), Urashima (J-Power), Yokoyama, Omoto (NRRC)
 - Observer: Ono (Federation of Electric Power Companies), Kurata (JANSI)
 - Organizers: Yokoo, Shimeno (NRRC)

4. Proceedings:

(1) Research Results in FY2015

NRRC reported the research results and further R&D plans for the following research items in both risk assessment field and external natural event field in FY2015.

<Risk assessment field>

1. Safety analysis of spent fuel pool
2. Internal fire PRA
3. Human reliability analysis
4. Level 3 PRA
5. Risk communication

<External natural event field>

1. Fault fracture zone analysis
2. Seismic motion postulated without identifying hypocenter
3. Probabilistic seismic motion hazard study based on SSHAC guideline
4. Seismic fragility
5. Tsunami fragility
6. Tornado hazard
7. Ash fall hazard

(Remark of industrial members)

- Utilities have information and findings through real experience with risk communication. It would be beneficial for NRRC to collect such information and findings from the utilities.
- Under the condition of relatively low frequency of tornado in Japan, the design-basis hazard of tornado has been determined conservatively by using limited data of past tornados. We need to develop an appropriate methodology to evaluate a more exact exceedance frequency with less conservatism by using limited experience data.

(2) Operating Status of NRRC

NRRC reported its operating status, such as a plan to establish a new team in July and the results of recent interactions with the Nuclear Regulation Authority.