

Summary of 10th Technical Conference

1. Date : April 28, 2016 (Thur.) 10:00AM ~ 12:00PM
2. Place: Central Research Institute of Electric Power Company
3. Participants:

Chair: Yokoo (NRRC)

Members: Maki (Hokkaido EPCO), Wakabayashi (Tohoku EPCO, substitute for Masuko), Igarashi, Kawamura (Tokyo EPCO), Nagura, Nakagawa, Masuda(Chubu EPCO), Takahashi (Hokuriku EPCO), Suzuki, Urata (Kansai EPCO, substitute for Miyata), Yamamoto (Chugoku EPCO, substitute for Iwasaki), Kawanishi (Shikoku EPCO), Okubo (Kyushu EPCO, substitute for Okano), Takeno (JAPC, substitute for Ishizaka), Takahashi (JNFL, substitute for Ohgaki), Shizuma (J-Power), Noda (Toshiba), Konno (Hitachi GE), Kono (MHI), Kurata (JANSI), Zama, Sakai, Ueda, Kanatani (NRRC)

NRRC executives (as observers): Yokoyama

4. Proceedings:

(1) Research Results in FY2015

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

<Risk assessment >

1. Safety analysis of spent fuel pool
2. Internal fire PRA
3. Human reliability analysis
4. Convection behavior in the containment vessel
5. Level 3 PRA
6. Risk communication

<External natural events>

1. Fault fracture zone analysis
2. Seismic motion postulated without identifying hypocenter
3. Deformation analysis for foundation grounds and rear slopes
4. Functionality limit assessment for dynamic devices
5. Internal flooding induced by earthquakes

6. Tsunami fragility
7. Ash fall hazard
8. Tornado hazard
9. Ultimate characteristics of seismic isolation device

(Remarks of the members)

- We would like the HRA guideline to be easily understood and used by plant personnel.
- (Response of NRRC) We have interviewed experienced operators in the development phase of this guideline and realized that those would be primarily benefited by this guideline. We are going to produce a user-friendly document for every user at the plant site.
- It is necessary to have a clear vision how the database of past volcano ash falls will be incorporated in the hazard analysis process.

(2) Operating Status of NRRC

NRRC reported its operating status.