

## **2023 U.S.-Taiwan Joint Standing Committee on Civil Nuclear Cooperation Working Group 1 Action Matrix – Reactor Regulation and Regulatory Research**

Working Group I began this year's meeting with 15 existing items. After extensive working group discussions, Working Group I decided to continue cooperating on those 15 items. Planned activities for 2024 are summarized below.

**Agreements.** AIT and TECRO have four agreements implemented by NRC and NSC—an umbrella arrangement for information exchange and three computer code agreements (CAMP, CSARP, RAMP).

- CAMP and CSARP renewals have been under AIT and TECRO review for several months. The agreements are set to be finalized in early 2024. TECRO will continue engaging the user's group meetings on CSARP and CAMP programs.
- RAMP will expire on June 14, 2024. NRC will provide NSC with the draft renewal agreement for the RAMP program after this year's JSCCNC meeting. Codes under RAMP agreement are mainly used in assessing the radiological aspects of the decommissioning plants and emergency drill in Taiwan.
- NSC JSCCNC team leader is considering the possibility to visit the NRC Headquarters before or after 2024 JSCCNC meeting held in the U.S.

**Bilateral Technical Meeting.** NRC and NSC will continue the annual bilateral technical meeting in Taiwan in mid 2024. NSC has identified specific areas of interests but not limited to the following:

- Fire Hazards Analysis(FHA) for decommissioning nuclear power plants
- Probabilistic Flood Hazard Assessment (PFHA)
- Spent Fuel Pool Integrity Evaluation
- Discrete Radioactive Particles discovered at Zion plant
- ROP during decommissioning

### **Training.**

- NSC will provide a list of priority topics and proposed time frame for training, and NRC will share the list of reactor inspector training courses with NSC and coordinate on bringing two NSC inspectors, operation or decommissioning, to the United States for training in 2024.
- NSC also plans to continue participating in the decommissioning training course organized by U.S. national lab.

**CNS.** NRC has received Taiwan's 2023 National Report for the Convention on Nuclear Safety and will provide comments in 2024. NRC will provide the 2023 CNS Report upon receipt from program office.

**Emergency preparedness/security.**

- NSC will continue to conduct semiannual communication tests with NRC in 2024.
- NRC will provide a schedule for NPP exercises and coordinate with NSC on observation of a NPP emergency exercise in the U.S.
- NSC will continue exchanging information related to nuclear security regulation with NRC in 2024.
- NRC proposes to potentially send staff to Taiwan to observe and share lessons learned on force-on-force exercises.

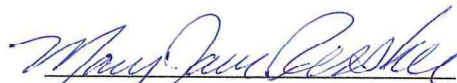
**Technical Exchange.** NRC and NSC will continue exchanging information on the following:

- NSC will continue sharing with NRC results and information on how the Probabilistic Risk Assessment can be applied in the decommissioning plants. NSC would like to understand more information of the NRC's full-scope site Level 3 PSA project from NRC in areas of SFP, dry cask storage, and site risk models. The NRC plans to share the project reports as soon as they are publicly available.
- NSC expects to continue receiving the information from NRC on ROP oversight process of Mitigation of Beyond Design-Base-Event (MBDBE) rule in the U.S. and how the NRC confirms the utility's compliance with the rule. NRC will discuss with the inspection division to identify if there are any available inspection activities or results to share.
- NSC will continue sharing regulatory experience on decommissioning plants, such as the reviewing experience on the Decontamination and Dismantling plans of the decommissioning plants in Taiwan.
- NRC will continue to share lessons learned on aging management and spent fuel pool operations.

Approved :



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Date: December 5, 2023



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Date: December 5, 2023