

## 台美民用核能合作會議綜合結論（Discussion Summary）

### 第一分組

#### **2024 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 2025 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).

- New CAMP and CSARP agreements will remain in force until January 30, 2029. TECRO will continue engaging the user's group meetings on CSARP and CAMP programs.
- RAMP agreement expired on June 14, 2024. The one-Year extension of the RAMP agreement was completed in June 2024. This extension will remain in force until June 14, 2025. The renewal of the RAMP agreement is expected to be completed in 2025. Codes under RAMP agreement are mainly used in assessing the radiological aspects of the decommissioning plants and emergency drill in Taiwan.

**Bilateral Technical Meeting.** NRC and NSC will continue the annual bilateral technical meeting at the NRC in mid-2025. NSC has identified specific areas of interests but not limited to the following:

- NRC Level 3 Probabilistic Risk Assessment project
- Inspection activities and/or results related to MBDBE (Mitigation of Beyond Design-Base-Event)
- Lessons learned on aging management and spent fuel pool operations
- Regulatory experience on decommissioning nuclear power plant

#### **Training.**

- NSC will provide a list of priority topics and proposed time frame for training and site visiting, and the NRC will coordinate on bringing two NSC inspectors to the U.S. for training in 2025.
- NSC also plans to continue participating in the decommissioning training course organized by Argonne National Laboratory.

#### **CNS.**

- NSC expects to receive the 10<sup>th</sup> U.S. National Report for the Convention on Nuclear Safety (or CNS report) when it is available.
- NSC will start preparing the next CNS report in 2025 and finish it in 2026. NRC will review Taiwan's 2026 CNS report upon receipt.

#### **Emergency preparedness/security.**


- NSC will continue to conduct semiannual communication tests with NRC in 2025.


- 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 invite the NRC to observe the 2025 nuclear emergency exercise at the Maanshan Nuclear Power Plant in southern Taiwan, if feasible.
- NSC and NRC will continue exchanging information related to nuclear security regulation for each other in 2025.

**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 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 4, 2024