

## 第二分組

**Discussion Summary of Working Group II**  
**Waste Management and Environmental Restoration**  
TECRO-AIT JSC Meeting on Civil Nuclear Cooperation  
December 3-5, 2024

Number of items discussed	15
Closed items	0
New items	0
Merged items	1
Number of working items	14

1. **Closed items:** 0

2. **New items:** 0

3. **Merged items:** 1

4. **Commitments:**

TECRO appreciates the assistance of AIT. Many of the cooperative items have been progressing successfully. Following detailed discussions, both sides agreed to keep 14 items ongoing.

**G23 & J2:** The on-the-job training for the safety management of spent fuel and low-level waste at a decommissioning NPP in 2024 has been beneficial to the NSC. The NSC proposes that the NRC continue to arrange such training in 2025.

**G33:** NARI has prepared for packaging and weld sealing of TRR UO<sub>2</sub> test fuel rods. This issue will be kept open and see if any assistance is needed.

**G34:** NSC will edit the National Report and send it to DOE-NE for peer review by the end of June 2025. DOE-NE and NSC both agreed to conduct a peer review of each other's national report.

**G35 & G37:** The proposed transportation of WBR fuels to the US has been cancelled. NARI considers to conduct the stabilization in situ. Therefore, NARI considers to exchange the technical expertise with the US so as to plan for the stabilization plan of WBR fuels to solid powder form for storage at NARI. Remaining activities under G37 have been moved and merged to G35, and G37 has been closed.

**G36:** Keep open, in the event, assistance is needed. For the exchange of technical information, NSC proposed that TPC sends the Safety Case Report for the Spent Nuclear Fuel Final Disposal (English version) to US by the end of

2025. TPC has invited Jens Birkholzer (LBNL, DOE) as the convener for reviewing the Safety Case report (SNFD2025) in 2025.

**J4:** NARI has started to dismantle the upper thermal shield components of TRR vessel since 27th May, 2024. Both parties agree to exchange information on the graphite waste treatment and disposal.

**U3:** DOE-EM will follow up with NE on the review of the "Irradiated Fuels and Materials Research Program from 2021 to 2026". NARI will continue the agreed upon PIE work from 2022 while waiting for the response from AIT.

**X1:** TPC keep requesting that DOE provide the latest status on the disposal of GTCC in the United States, especially the information of the disposal of GTCC on safety strategies and research, selection of disposal containers and planning of disposal facilities, etc.

**DD12:** TPC is keeping Public Participation in the D&D of nuclear power plant. TPC proposes that DOE share lessons learned and best practices related to Public Participation in the D&D of nuclear reactors with TPC.

**DD19:** TPC has participated in the DECOVALEX-2027 PA Task led by LBNL, and TPC is looking for the technical support and teaching for the PFLOTRAN. NARI has actively engaged in the DECOVALEX-2027 PA Task led by SNL, facilitating communication and technical exchanges through online meetings.

**DD28:** Continue information exchange on the very low level contaminated soil remediation. This issue will be kept open and see if any assistance is needed.

**DD29:** TPC held the UF/HLW workshop on May 23, 2024. TPC had fine discussion with EPRI experts. TPC has been conducting hot test activities at Chinshan NPP since Oct 23rd after obtaining the certificate of the soil and water conservation from local government.

**DD30:** The shipment of UF<sub>6</sub> from NARI to UK will be accomplished by NARI in the first half of 2025. This issue will be kept open and see if any assistance is needed. Suggest closing after shipment is complete.

Approved:



Yen-Liang Lee  
TECRO Representative

Date:

Dec. 4, 2024.



Kyler K. Turner  
AIT Representative

Date:

12/04/2024