

**2014 TECRO-AIT Joint Standing Committee on Civil Nuclear Cooperation Meeting  
Argonne National Laboratory, November 4-6, 2014**

**Discussion Summary of Working Group II  
Waste Management and Environmental Restoration**

1. Number of working items discussed in Group II: 16
2. Number of ongoing working items: 16
3. Items proposed to close: 1
4. Reopen items: None
5. Merged items: 1
  - AE-NR-Z9 Response and Management of Radioactive Material Events will be shifted to Group III for discussion.
6. New items: 1
7. Number of working items in Group II after group discussion: 15
8. Highlights
  - a. TECRO appreciates the assistance of AIT. Many of the cooperative items have been progressing successfully. Following detailed discussions, both sides agree to keep 15 items ongoing. The timing will mostly be adjusted from 2014 to 2020.
  - b. AE-NR-Z9 "Response and Management of Radioactive Material Events" was moved to Group III.
  - c. Specific comments on Group II working items and actions for the next year are summarized below:

**G23:** Two NRC experts came to Taiwan for a week workshop in August 2014, around 50 participants exchanged information. Taipower has prepared the hot test of spent fuel dry storage in the first 2 casks; however, the local government deferred the schedule. FCMA will provide to the NRC for their information a document entitled "Guideline on Maintenance and Surveillance Program for ISFSI".

**G33:** AIT personnel changed from Mike Browne and Mike Miller to Anthony Belian, LANL.

**G34:** FCMA is revising the Chinese version of the National Report. It will be finished by the end of 2014. It will be translated into English. FCMA will send the revision of the National Report to DOE for peer review in June 2015.

**J2:** FCMA proposes to invite 2 NRC experts to hold a week workshop in August 2015. FCMA has prepared an initial agenda for further discussion.

**J4:** A. Han will provide a POC for the potential Hanford Site visit by the

trainees from INER.

**U2:** This item was closed. A new item, U3 "Irradiated Fuels and Materials Research Program from 2014 to 2020" has been established for continued work.

**X1:** TECRO submitted questions and request for information to AIT. POCS to provide the answers and responses have been identified.

**DD12:** Taipower is constructing the Chinshan plant dry storage facility, and requested to have consent-based approach information associated with this issue. Kevin McMahon, SNL, provided a presentation from an IAEA Technical Meeting on engaging stakeholders entitled "Stakeholder Involvement and Public Perspectives on Consent Based Siting."

**DD19:** Kevin McMahon, SNL, provided two end of FY 14 milestone reports entitled "Evaluation of Used Fuel Disposition in Clay-Bearing Rock" and "Used Fuel Disposal in Crystalline Rocks: EOFY 14 Status Update."

**DD22:** TPC will invite EPRI's experts to hold a workshop on NPP decommissioning technology, experiences and lessons learned. TPC will participate in EPRI's decommissioning annual conference.

**DD23:** A case study for the removal of Sr-90, Cs-137 and tritium, or removal of one of the mentioned radionuclides is requested for the understanding the related technologies integration. Kevin McMahon will locate the requested report and deliver to TECRO by February 28, 2015. Kevin McMahon, SNL, provided an end of FY13 milestone report entitled "Enhancements to Generic Disposal Systems Modeling Capabilities" and an end of FY14 milestone report entitled "Performance Assessment Modeling and Sensitivity Analysis of Generic Disposal Concepts."

**DD27:** ORNL will arrange an opportunity for one INER staff member to receive training in TRU waste management over the course of one month in 2015.

**DD28:** INER requests to send a staff member to PNNL to learn about minimization technology for contaminated soil and its secondary waste treatment method. PNNL POC will be identified by A. Han, DOE/EM.

**DD30:** INER will search for the pedigree of the UF6 material (origin of material and any processing since taking possession). DOE will continue to evaluate the feasibility of stabilizing and dispositioning of DUF6/LEU in the USA with and without the pedigree data including the possible contaminants, enrichment and assay levels of the material. DOE will provide questions discussed in side meeting to Wei-Wu Chao to be answered by INER.

Approved: 

Ana Han  
AIT Representative

Date: 11/5/2014

Wuu-Kune Cheng

Wuu-Kune Cheng  
TECRO Representative

Date: 11/5/2014