

Discussion Summary of Working Group II
Waste Management and Environmental Restoration

TECRO-AIT JSC Meeting on Civil Nuclear Cooperation

December 08-09, 2015

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|--------------------------------|----|
| Number of Items been discussed | 16 |
| Closed items | 2 |
| New items | 1 |
| Merged items | 2 |
| Number of Working item | 15 |

1. Closed items: 2
 - DD22 (Planning for Decommissioning) and DD23 (Technology Transfer for Radioactive Waste Disposal)
2. NEW Items: 1
 - J5 (Knowledge Transfer on Decontamination and Decommissioning)
3. Merged Items: 2
 - The PA elements of DD23 are to be merged into DD 19. The environmental remediation elements of DD23 are to be merged into DD 28.
4. Commitments
 - FCMA proposes to invite 2 NRC experts holding a spent fuel management workshop in Oct. 2016.
 - INER would like to build the technology of using BPCC for nuclear material declaration of spent fuel sludge. Dr. Kyler Turner of AIT and Dr. Wei-Wu Chao of TECRO will assist INER in the communication with Anthony Belian of LANL to obtain feedback /response from Mr. Belian.
 - FCMA received peer review comments from DOE in December 2015. FCMA is in the process of preparing a response to the DOE comments. The response will be provided to DOE through Dr. Wei-Wu Chao of TECRO.
 - FCMA requests NRC to assist in licensing review issues on important safety concerns, which will be carried out by conference call or e-mail in 2016. Dr. Wei-Wu Chao will assist the communication with NRC. NRC will share general licensing experience on GTCC waste streams from Decommissioning of Nuclear Power Plant.
 - INER is looking for stabilization methods of spent ion exchange resins and would like to send a trainee to visit PNNL to learn about treatment approaches for ion exchange resin, TRU waste, and K-basin sludge, Hanford Site in July 2016.
 - INER will continue the stabilization of the remaining cans of the sludge. If there is a need for technical assistance from PNNL,

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INER will request for PNNL help through Dr. Chao.

- DOE agrees to change the title of this project to "Safety approaches for Low Level Radwaste on topics regarding classification, treatment and final disposal. The change was made at Group II meeting on December 9, 2015. DOE/EM will provide the information requests about the GTCC-relating (Greater Than Class C) topics.
- Kevin McMahon will provide results from 2014 and 2015 surveys on public perceptions of nuclear facilities in the USA. Mr. McMahon will provide the information to FCMA through Dr. Chao.
- Kevin McMahon will provide end of fiscal year milestone reports on disposal research to FCMA through Dr. Chao by February 2016. Kevin McMahon will notify TECRO through Dr. Chao when it is possible to resume a consortium of deep borehole disposal.
- INER prepares to repack its TRU waste. INER hopes to get technical support from ORNL on the volume reduction and waste declassification as needed.
- PNNL has arranged a technical visiting for INER staff, Ming-Fa Chang, in March 2016. Dawn Wellman will provide reports on hydrogeological modeling to support site characterization and selection of remediation technology.
- Kevin McMahon will provide end of fiscal year milestone reports on extended storage research to FCMA through Dr. Chao by February 2016.
- Consultations between AIT and TECRO will continue on IN-DE-DD30 "Safe Disposition of Uranium Hexafluoride". TECRO, in consultation with AIT, will explore further whether commercial services may be available.

Approved: 

Elizabeth Lisann

AIT Representative

Date:

12-9-15



Wen-Chung Liu

TECRO Representative

Date: 12-9-15