635th ASRC Seminar

Date：13：30 ～ 14：30 Thursday, June 23

Location： Entry Bldg. Conference Hall, Nuclear Fuel Cycle Engineering Laboratories

Speaker： Prof. Chunli LIU (Peking University)

Title：Current Development for HLW Disposal in China

Abstract: China initiated High-level Radioactive Waste (HLW) Disposal Program in 1985 in realizing the potential importance of safe disposal of HLW in the development of nuclear industry and nuclear energy in China. In 1986, a group named “Coordination Group on HLW Disposal” was set up. Since then, research activities on site selection and geological survey in China had been conducted mainly by the Beijing Institute of Uranium Geology. Research activities on migration of radionuclides in different geologic media had been carried out by the China Institute of Atomic Energy, China Institute for Radiation Protection, Peking University and Tsinghua University. Due to limited financial support, these activities had been inactively carried out until 2006. At the beginning of this century, China’s attitude toward nuclear energy was changed to active and fast development, and the importance of safe disposal of HLW was again widely recognized. In 2005, an Expert Group on HLW Disposal was nominated by the Chinese Atomic Energy Agency (CAEA) for mainly providing technical and consulting support to CAEA and reviewing the important research projects of China’s High Level Radioactive Wastes Disposal (CHILRAWD) Program. In 2006, a planning and policy document for the R&D on Geologic Disposal of HLW was jointly released by the Commission of Science Technology and Industry for National Defense and related government ministry and agency of China. This document outlines the research framework of the CHILRAWD. In 2006, the first 17 projects proposed by the institutions from the China National Nuclear Corporation and so on, covering radionuclide migration, safety assessment methodology, engineering design and site investigation were reviewed and approved. In this paper, the recent progress in CHILRAWD will be presented and discussed.

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