



Supporting the Investigations on Design and Construction of the Underground Research Laboratories, and the Long Term Performance of the Buffer Material of High Level Radioactive Waste.

Mr. Wang Dongbo of China underwent training at Sandia National Laboratory, New Mexico, USA, as a participant in the IAEA Fellowship Program. In China, Mr. Dongbo has been working at the China Nuclear Power Engineering company since 2012 as a geological engineer at the Department of Radioactive Waste Disposal Center. He performs activities such as high level waste disposal (including concept design of mine disposal repository, concept design of deep borehole disposal and low level and intermedium level radioactive waste disposal), site evaluation, site selection, and research of the Long Term Performance of the Buffer Material of High Level Radioactive Waste.

Mr. Dongbo was supervised by Dr. Patrick V. Brady and consisted of lectures and meetings at the Department of Deep Borehole (DBH) disposal. The major elements of the training program were:

- the generic design of geologic radioactive waste repositories (mine disposal and DBH),
- the design and performance of deep borehole radioactive waste repositories, and
- a DBH demonstration project.



The training was very comprehensive and had high quality for its educational and practical aspects. The subjects were addressed by experts of the DBH team and their wide experience contributed to clear description of the advantages and disadvantages of each topic. This training was focused exclusively on deep borehole disposal. All the experience and knowledge acquired at this fellowship will be shared with Mr. Dongbo's coworkers, fellows and visitors through upcoming training courses and other events.

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