

Decommissioning Fellowship Program

Meet a Fellow

Anwar Abdulfattah Ahmed / IRAQ

Tammuz – 2 Reactor Decommissioning Project/ Project Manager



I have been working at the Iraqi Decommissioning Center within the Ministry of Science and Technology, for the last four years. Prior to joining the decommissioning center, I had worked as a Reactor Operations Chief and also was a member of the team that transported the spent fuel from the Tammuz-2 nuclear reactor facility to a new storage location away from Tuwaitha.

During the period September-October 2010, I completed a four week IAEA Fellowship at Argonne National Laboratory under the supervision of our colleague at ANL, Mr. Lawrence E. Boing. This fellowship program was the first of what would eventually comprise several training courses.

This Fellowship at ANL focused on two main activities. The first activity was a series of lectures that included numerous and important topics for project managers to consider and understand for their work. A series of lectures gave me some very good information and numerous operational experiences about earlier reactor and other facility decommissioning projects. This will help me to prepare the Tammuz-2 Reactor Decommissioning Plan. The second activity of this training course

included four sites visit, which were very useful for consideration for my project at Iraq. Those site visits were to:

- The Chicago Pile – 5 (CP-5) Research Reactor at the ANL site which was undergoing active demolition.
- A decontamination equipment vendor/supplier (Pentek, Inc.) in Coraopolis, Pennsylvania.
- A radioactively contaminated soils site undergoing remediation in Painesville, Ohio.
- The Plum Brook Research Reactor near Sandusky, Ohio at the NASA Plum Brook Station that was undergoing active decommissioning.

The site visits allowed me to observe a variety of different types of equipment being used or which could be used in decommissioning activities – specifically for decontamination and dismantling. Those machines and tools are very important for my project so I highly recommend that we import some of this equipment to help us with our jobs in the future. These series of lectures and site visits conveyed a good deal of information regarding cost estimation and the costs for many decommissioning activities. In addition to lectures and site visits we also had the chance to view some good videos and photos about many decommissioning projects – especially from hot cells and other reactor sites – which related to decommissioning operations, dismantling, and waste management. In 2011, I plan to establish my project which includes preparation of a Decommissioning Plan and the physical site preparations at the Tammuz – 2 reactor facility. So this training was very important for me as a project manager in order to collect information and knowledge which will be reflected in the proper execution of my project in safe and controlled manner.

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CONTACT > Lawrence (Larry) E. Boing | +1 (630) 252 6729 | lboing@anl.gov | Nuclear Engineering Division | www.dd.anl.gov