



# ANWAR ABDULFATTAH AHMED: Iraq

## Safe Decommissioning of Nuclear Facilities.



Mr. Anwar Abdulfattah Ahmed has been working at the Iraqi Decommissioning Center in the Ministry of Science and Technology for the last four years. Before this, he worked as a reactor operation chief from 1983 to 1990. In this position, he was a member of a team that transported spent fuel from Tammuz 2 Nuclear Reactor to a new location that was 7 Km. from Tuwaitha. Recently, Mr. Ahmed spent four weeks at Argonne National Laboratory training under the U.S. IAEA Fellowship Program. Under the supervision of Mr. Lawrence E. Boing, he received instruction on a multitude of topics regarding the safety of decommissioning of nuclear facilities.

The two-part training he received was very useful and important. The first part was a series of lectures directed towards project managers which gave Mr. Ahmed important information

and experience about reactor decommissioning facilities to help prepare the decommissioning plan for Tammuz-2 Reactor. The second part of his fellowship involved four site visits. These included the Chicago pile-Five Reactor at Argonne National Laboratory, PENTEK Company in Pennsylvania, the Painesville site remediation, and Plum Brook reactor facility in Ohio. During the site visits Mr. Ahmed saw new equipment and machines used in decommissioning activities, particularly the technique used for decontamination and dismantling activity. Mr. Ahmed is hoping to import some of the machines and tools for use on his project in Iraq in the near future. Another valuable concept Mr. Ahmed learned was how to estimate the cost for decommissioning activities. He was accompanied by three other fellows from Iraq during his fellowship, and they were able to see movies and pictures regarding decommissioning facilities in different countries. Mr. Ahmed is planning to establish his project some time in 2011, which includes a decommissioning plan and site preparation for Tammuz-2 reactor. As project manager, he found his fellowship extremely valuable for his future, and that of Iraq.

**Training period 9/13/2010 – 10/9/2010**