

Training Course on Occupational Radiation Protection in Mining and Processing of Uranium



The Training Course on Occupational Radiation Protection in Mining and Processing of Uranium was organized from 9 to 13 September 2019 in Almaty/ Kazakhstan in collaboration with the Government of Kazakhstan through NAC Kazatomprom JSC and hosted by Kazakhstan Nuclear University.

The purpose of the event was to provide detailed information that will assist regulatory bodies and industry operators in implementing a graded approach to the protection of workers against exposures associated with uranium mining and processing based on the Safety Report on ORP in the Mining and Processing of Uranium (SR-100, in publication).

The training package includes detailed presentations on general industry information (uranium mining & processing), Radiation Protection Management, monitoring and dose assessment, specific exposure pathways (gamma, Rn and Rn progeny, long lived radioactive dust -LLRD-, surface contamination and ingestion, wound contamination and absorption) and case studies, including exploration, underground mining, surface mining, in-situ leach (ISL) mining, heap leaching, processing, non-conventional uranium extraction, high grade ore mining and processing, uranium tailings facilities, transport and decommissioning to address the specific pathways, monitoring arrangements and dose assessment. Due to the nature event, all case studies were discussed with the participation and draft RP management plans were prepared.