

REGULATORY FRAMEWORK AND STANDARDS FOR DECOMMISSIONING AND ENVIRONMENTAL REMEDiation, MONGOLIA

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Mongolia is the country that is under second generation of activity of radioactive minerals' exploration. Three main areas are covered by intensive uranium exploration activity. They are respectively Chuluut, Dulaan Uul (including uranium deposits Haraat, Hairhan, Zuvch Ovoo etc.) and Mardai area, which are recently covered by tenements owned by well known companies. Most of these areas are under naturally normal condition except Mardai area. Mardai area, covers 50x25km land, included the biggest uranium deposits in Mongolia, namely Dornod, Gurvanbulag, Mardai, Nemer and other satellite small deposits, Har, Havar, Ilreh, Tsever etc. All of these uranium deposits are revealed by a great scope of exploration work completed by Soviet Union during 1980s. To explore in detail and to prepare the selected deposits for mining, they have excavated/exploited and dumped couple of thousand tons of waste rocks and piled several hundred cubic meters of high and low grade ores on the surface for loading into the trains and for heap leach testing. Also, different sizes of diggings stay in adjacent. Following the reforming in the Soviet Union, beginning of 1990s, all of the experts and workers had been backed up and left the waste rock dumps and approximately 0.16-0.30% U graded mineralized rock piles where they were on the surface. They are still appearing everywhere in the area, for example by the rail beds, by the shafts, at the mine sites for more than 20 years without controlling. If the deposits are not going to be mined in near term, the waste rock dumps and ore piles should be managed for each of deposits according to the "Management of NORM residues" by IAEA (iaea-tecdoc-1712), Basic Safety Standards and other IAEA publications. Regulatory bodies of Mongolia are working on national policies and regulations some of which are related to this title.

Country or International Organization

RADIATION SAFETY COUNCIL, MONGOLIA

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Primary author: Mr BAATAR, Bat-Erdene (Mongolia)

Presenter: Mr BAATAR, Bat-Erdene (Mongolia)

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