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IAEA-TDL-003: A CORNERSTONE FOR NUCLEAR SECURITY FOR URANIUM ORE CONCENTRATES FOR NEWCOMERS

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United Republic of Tanzania is a potential future uranium producer with an estimated annual production of 2300 tU from Mkuju River uranium project. Nuclear Security for Uranium ore concentrates was not existing in the country. There was literally no guidance directly related to uranium ore concentrates (UOC) which explicitly explained how to implement prudent management practice as recommended by conventional on physical protection of nuclear materials (CPPNM) and NFCIRC/225.

To ensure the applicable nuclear security recommendations on prudent management practices are incorporated into national legislations and regulations, TAEC requested for technical assistance from International Atomic Energy Agency (IAEA) to provide national training course on nuclear security for uranium ore concentrates in 2014. IAEA TDL- 003 “nuclear security in the uranium extraction industry” was the main reference document during the national training course. The training methodology was classroom lecturing, interactive table top practical exercises and real life simulation of event and how to deal with worse case scenarios in protecting UOC.

This paper presents the experience acquired from IAEA TDL-003 technical assistance and experience in drafting nuclear security for UOC regulations in Tanzania.

Country or International Organization

Tanzania

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