

Nuclear Power in Arab Countries: Management of End life cycle – Policy, Regulations and Applications

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A nuclear plant can produce more than 100 m³ of High radioactive level waste a year. After 30 to 40 years of operation, thousands of tons of waste with different radioactivity levels (between low level to high level) results from decommissioning and dismantlement. Arab countries are invited to set regulations regarding operation safety and waste management and to establish an efficient policy covering the whole value chain from site location to waste management. A regional synergy between Lebanon, Syria, Iraq, and Jordan is more than needed whether we want to use nuclear to develop our citizens and countries. Before launching the construction of nuclear plants, it is recommended to develop tools to manage nuclear waste.