

International Conference on the Safety of Radioactive Waste Management, Decommissioning, Environmental Protection and Remediation: Ensuring Safety and Enabling Sustainability



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The UAE Nuclear Legislation Framework: Radioactive Waste Management and Spent Fuel Management

The infrastructure of the UAE Nuclear Programme has been established with the “Policy of the State on the Evaluation and Potential Development of Peaceful Nuclear Energy” issued in 2008. The Policy aims to develop and regulate the nuclear sector towards peaceful purposes of nuclear energy, as well as the Federal Law by Decree No. 6 of 2009 “Concerning the Peaceful Uses of Nuclear Energy” that had established the Federal Authority for Nuclear Regulation (FANR) as the independent safety, security and non-proliferation regulator.

The paper will present the regulatory framework including the licensing and oversight activities of licensees and facilities, especially those related to radioactive waste management such as the Natural Occurring Radioactive Material (NORM) Waste Treatment and Disposal Plant, in line with the Policy’s objectives of management and disposal of spent fuel and radioactive waste. FANR regulations provide the requirements for the licensing of nuclear facilities, radiation protection, management of radioactive waste and spent fuel in nuclear facilities, among other regulatory elements.

The paper will present sustainability in the regulatory processes specifically for radioactive waste management where FANR has maintained its strategic objective of developing sustainability of the UAE regulatory infrastructure through regulations in line with the IAEA Safety Standards and the best international practices. In addition, how the national radioactive waste policy will be shaped to meet the future demands and sustainability (spent fuel management, radioactive waste management, etc.).

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