

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



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## Regulatory Framework and Planning for Decommissioning in Egypt

In Egypt there are two research reactors in operation, the first research reactor (ETRR-1) went critical in 1961. The second one (ETRR-2) has commissioned in 1992. Both reactors are owned and operated by Egyptian Atomic Energy Authority (EAEA) and controlled by Egyptian Nuclear and Radiological Regulatory Authority (ENRRA). As bases for controlling the construction and operation of the reactors, there are several regulations available. However, regulation specifically concerning the decommissioning of the research reactors is on-going.

On the basis of lessons learned from other experiences, this paper provides some insights into areas that a regulatory body needs to pay attention during decommissioning. Also, the regulatory aspects of the decommissioning process, such as the need for good interaction between the operating organization and the regulatory body and the preparation of adequate technical and regulatory rules for all decommissioning stages are discussed.

In Egypt with lacking decommissioning experience, the regulatory body must also become acquainted with the subject, develop staff knowledge and a regulatory framework. Working from the beginning in a close relationship with the operator will help in anticipating regulatory changes that, in some cases, imply additional (and important) costs. This cooperation will add mutual confidence, and will also help to develop a safety culture in the decommissioned, which, in the long term, will also reduce costs.

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