

International Conference on Management of Spent Fuel from Nuclear Power Reactors: An Integrated Approach to the Back End of the Fuel Cycle



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Egyptian Proposed Strategy of Spent Fuel Management from Nuclear Power Reactors

A proposed policy and strategy of the Arab Republic of Egypt towards the management of spent fuel from the nuclear power reactors is presented in this paper. The proposed Egyptian strategy supports the free international trade of nuclear materials and services and adheres to Non Proliferation Treaty (NPT) and other institutional frameworks aimed at promoting the peaceful use of nuclear power in all countries.

The accident of the Fukushima Daiichi nuclear power plant prompted an international review of nuclear and spent fuel safety which led to modifications of strategies and revision of international guidance —e.g. through the publication of a new Specific Safety Guide, Storage of Spent Nuclear Fuel (IAEA Safety Standards Series No. SSG-15, Vienna, 2012).

This work accounting the main target of the spent fuel management to implement the application codes and standards of safety, quality assurance in that regards .From the point of view planning. The Nuclear Power Plants Authority (NPPA) in Egypt is responsible for a more stable short and long strategy of spent fuel management. Egypt has undertaken the decision to adopt an open fuel cycle for the first nuclear power plant, i.e. no reprocessing of spent fuel. NPPA would develop at an early stage a conceptual plan describing all important steps leading to the final disposal of spent fuel and radioactive waste in Egypt utilizing fully the national and international experience and the capabilities of international cooperation.

Country/ int. organization

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