

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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Consequences of Long Term Black Out Accident on Spent Fuel Pool for VVER-1200

Natural disaster occurred at Japan Fukushima Daiichi NPP in March 2011 showed that combination of natural disasters with a long term black out which is not accepted as a design basis accident till that day could be how dangerous. In this study, inventory calculation in the spent fuel pool, transmission from inventory to source term and atmospheric dispersion calculation of source term were investigated, in a case of long term black out accident that can occur in the AES 2006 design VVER-1200 type of NPP planned to be build in Turkey.

Country/ int. organization

Turkey/TAEK

Primary author: Mr DOĞAN, KEMAL (Turkish Atomic Energy Authority)

Presenter: Mr DOĞAN, KEMAL (Turkish Atomic Energy Authority)