## 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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## MULTIPLE RECYCLE OF REMIX FUEL BASED ON REPROCESSED URANIUM AND PLUTONIUM MIXTURE IN THERMAL REACTORS

The report covers REMIX fuel consumption in VVER-1000. REMIX fuel is fabricated from inseparated mixture of uranium and plutonium obtained during NPP spent fuel reprocessing with further makeup by enriched natural uranium. It makes possible to recycle several times the total amount of uranium and plutonium obtained from spent fuel with 100% loading of the WWER-1000 core. The stored SNF could be also involved in REMIX fuel cycle by enrichment of regenerated uranium.

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