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## ASPECTS OF STATE TECHNICAL REVIEW OF NUCLEAR SAFETY JUSTIFICATION OF SPENT NUCLEAR FUEL STORAGE FACILITIES IN UKRAINE

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At present, Ukraine has two spent fuel storage facilities under operation: wet spent fuel storage at Chernobyl NPP for RBMK-1000 fuel and dry spent fuel storage at Zaporizhzhya NPP for VVER-1000 fuel. Two more dry spent fuel storage facilities are under construction. The design of the ZNPP dry spent fuel storage facility was based on the VSC-24 interim spent fuel storage system used in the United States of America. Due to differences in the US and Ukrainian nuclear fuel, the loading of the ZNPP dry spent fuel storage facility could not be justified without additional measures. Some features of the wet spent fuel storage facility needed justification as well. This report presents the main approaches that were used in justification of the wet and dry spent fuel storages in Ukraine, as well as their state technical reviews.

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### Country or International Organization

Ukraine

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