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Spent Nuclear Fuel Transport: Problem State and Analysis of Modern Approaches

The paper presents the review of international and national experience related to transport of spent nuclear fuel (SNF) and trends in the development of transport containers. The analysis covers the vectors for the future improvement of packaging and the regulatory framework on SNF transport in Ukraine and other countries. The tasks for future research were identified. The results of this research will be used during the operation of the CSNSF.

Keywords: spent nuclear fuel (SNF), spent fuel assembly (SFA), Centralized Spent Fuel Storage Facility (CSFSF), container, transport.