

EVOLUTION OF THE REPOSITORY IN NIZHNEKANSKIY MASSIF UNDER THE INFLUENCE OF CLIMATIC FACTORS

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The study identifies climatic factors related to external influences governing the long-term evolution of the RW disposal system at the Yeniseyskiy site. The paper evaluates the current state of knowledge about these factors and indicates most important research areas. These include: paleoclimatic studies in the repository region to clarify the climate history of past geological epochs; quantitative regional climate forecast based on global numerical climate models; special forecasts based on a general climate model of the region allowing, in particular, to clarify the depth of rock mass freezing during ice periods.

Keywords: radioactive waste, evolution of deep geological repository, FEPs, paleoclimatic studies, long-term climate forecast.

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