

Deploying a Radionuclide Monitoring Station in Kazakhstan

On November 29, 2017 a Memorandum was signed between the Department of Foreign Affairs, Commerce and Development in Canada and the Ministry of Energy of the Republic of Kazakhstan (ME RK), which implies a property deposit on the part of Canadian partners as a radionuclide noble gas monitoring station in order to strengthen supervision of the Comprehensive Nuclear Test Ban Treaty. This station is designed for strengthening enforcement of the Comprehensive Nuclear Test Ban Treaty (CTBT). To deploy a radionuclide station NNC RK specialists preselected 3 potential sites in the territory of Kurchatov. Comprehensive studies were conducted on each site selected that involved: collection and analysis of general information on a site, the analysis of meteorological data, radiological survey, identification of available engineering communications and types. In the course of research every possible source of radionuclides entering the air environment has been assessed in the area of interest. Background characteristics of radionuclide contamination in the area of interest are estimated. The mean concentration of natural and man-made radionuclides in the environment was found to be at the background level of global fallout for this region in Kazakhstan. Based on activities, materials on the comprehensive survey of selected sites were prepared.

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