

3.4. RADIATION MONITORING OF MOSCOW

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Radiation situation in Moscow systematically controlled by SIA "Radon", since 1987. Radiation monitoring of the environment and irradiation doses are measured according to the "Concepts of radiation and ecological monitoring of Moscow", approved by the Government of Moscow. Radiation monitoring includes measurement of environment radioactivity, compilation and synthesis of data, evaluation of radiation situation, as well as forecasting various radiation situations. System of radiation monitoring consists of mobile and static tools of radiation control. Mobile tools consist of road and waterway environmental radioactivity measurement complex. Static tools consist of 134 sites of soil and vegetation sampling, 64 water sampling sites, 6 installations of aerosol air sampling and 50 automatic dose rate instruments. In the process of radiation monitoring annually have been made and analyzed more than 3,000 environmental samples. External radiation dose is controlled by 300 dosimeters. Environmental samples are measured using gamma and x-ray spectrometry, beta spectrometry and alpha spectrometry. The results of radiation monitoring are used in the compilation of radiation-hygienic passport of Moscow.