OPTIMIZATION OF UNCERTAINTY MEASUREMENT OF RADIONUCLIDES ACTIVITY DURING THE PERFORMANCE OF RADOIECOLOGICAL INSPECTIONS

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Some issues of optimization of uncertainty measurement during the performance of radioecological inspections are considered. The criterion of definition by maximum permitted uncertainty of radionuclide activity measurement and the methods of its calculation are proposed. It is shown that at estimation of median individual test of ground activity the density of site pollution specific activity of crop on site etc. with the set accuracy and reliability should not aspire to high accuracy of individual activity measurement in the sample. It is more preferable to select some additional tests or samples and activity measurement to be performed with more statistical uncertainty.