

**ABOUT ADVISABILITY OF  $^{137}\text{Cs}$  MEASUREMENT IN DETERMINATION OF  
TRANSURANIUM ELEMENT CONTAMINATION OF ENVIRONMENT**

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$^{241}\text{Am}$  content has been determined by means of radiochemical and gamma-spectrometry methods in 23 soil samples, selected in the directions of main traces of radionuclide release with  $^{137}\text{Cs}$  contamination levels of locality from 4 to 1200  $\text{Ki}/\text{km}^2$  and Cs/Am ratio from 60 to 7000. On the base of experimental data analyses the conclusion has been made about advisability of  $^{137}\text{Cs}$  measurement in determination of transuranium element contamination in total zone of Chernobyl accident influence.