RADON TRANSFER TO NEAR-SURFACE LAYERS OF EARTH AND THE GROUND ATMOSPHERE

V.N. Shuleikin

Oil and Gas Research Institute, Russian Academy of Sciences, Moscow, Russia

Abstract. Results of radon observation up to the depth of 2 m are presented. A model of radon transfer from interior to near-surface layers of the earth and the ground atmosphere by hydrogen and methane bubble formations is offered. The model verification is made at the soil methane concentration $10^{-6}-10^{-5}$ vol. % and $10^{-3}-10^{-2}$ vol. %

Keywords: radon, transfer, ground, atmosphere, hydrogen, methane.