

The proposed method for purifying soil from radionuclides involves applying, onto the contaminated soil, granulated carbon-mineral sorbent absorbing radionuclides. Concurrently, at the treated soil, radionuclide-accumulating plants are sowed and grown. These plants are selected for each radionuclide. Then the plants and sorbent are gathered and disposed. Before applying, the sorbent is treated with suspension containing Desulfo Vibrio bacteria that reduces sulfates. In treatment, 400-500 millions of microorganism cells per 1 kg of sorbent are used.