

ABOUT THE TRANSURANIUM ELEMENTS AND FISSION PRODUCTS CONTENT IN THE BIOLOGICAL SAMPLES TAKEN IN THE 30-km ChNPP ZONE

V.A. Ageev, A.A. Odintsov, V.A. Satsyuk, A.P. Lashko

The experimental data of radiochemical determination of the long-lived transuranium radionuclides in the biological samples taken in the 30-km. zone of the ChNPP are present. Aspects of transfer of the ^{137}Cs , ^{90}Sr , $^{239+240}\text{Pu}$ and ^{241}Am in the soil-to-mushroom, soil-to-plant are discussed. It has been found that radioactivity ratio $^{241}\text{Am} / ^{239+240}\text{Pu}$ in the plant significant higher than in the soil.