

INFLUENCE OF HYDROLOGICAL FACTORS ON FORMATION OF RADIONUCLIDE CONTAMINATION OF THE HYDROBIONTS

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Influence of water exchange reservoir speed and peculiarities of radionuclides transportation with water masses of Dnieper reservoir to the process of accumulation ^{137}Cs of hydrobionts of different trofic links was investigated. The dependence of levels of accumulation ^{137}Cs of the Fishes from the speed of water-reservoir exchange is defined. The influence of peculiarities of transportation along the cascade of the Dnieper transportation water reservoir, which were polluted during the spring floods, on the formation of ^{137}Cs content in higher aquatic plants are determined. Formation of levels of ^{137}Cs accumulation by the fishes depends on nuclear fall-out density to surface of the reservoir and on the quantity of radionuclide in the ecological system.