

CONTENT OF RADIONUCLIDES IN THE WATER OF KANEV RESERVOIR AFTER ACCIDENT ON ChNPP IN 1986

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The content of radionuclides in the water of Kanevskoe reservoir of river Dnepr was studied from 1986 till 2003. In 1986 15 gamma-emitting radionuclides are registered with the maximal total activity on May, 3rd – 6 kBq/l. The primary radionuclides' pollution of the water area of Kanev reservoir have occurred through 4 - 6 days after accident on ChNPP and it was formed by aerosol losses on the water area of Kanev reservoir. Through 10 - 20 days after accident on ChNPP radionuclides have started to arrive to Kanev reservoir with water from northern territories of columbine. ¹³⁷Cs and ⁹⁰Sr determined radioactivity of the water since 1987. Their content, basically, was determined by accession of “dirty” water from Kiev reservoir.