

**O. L. Zarubin, N. E. Zarubina, D. I. Gudkov, E. N. Volkova, V. V. Beliaev,
A. E. Kaglian, V. A. Kostiuk, I. A. Maliuk, A. B. Nazarov,
A. S. Belokon, O. N. Marenkov**

**SPECIFIC ACTIVITY ^{137}Cs AT FISHES OF UKRAINE.
CURRENT STATE**

Specific activity of ^{137}Cs at fishes of reservoirs of 30 kilometers ChNPP zone (Pripyat river and its bays, lakes, cooling-pond of ChNPP, etc.), water basins of Dneprovsky cascade, Shatsky lakes and Black sea near town Sudak is investigated during 2010 - 2012. Levels of specific activity of ^{137}Cs at fishes in many respects are defined by flowage of the reservoir. Normally, the flowage of the reservoir is more, the levels of specific activity of ^{137}Cs at fishes are less. The greatest specific activity of ^{137}Cs at fishes was registered in the north of Ukraine in closed and half-closed reservoirs of 30 kilometers ChNPP zone – to 32000 Bq/kg. In the southern direction activity of ^{137}Cs at fishes decreases from 4,8 to 78,5 Bq/kg in Kyiv water basin to 1 - 6 Bq/kg, in the Kahovsky water basin and to 0,6 - 1,9 Bq/kg in the Black sea. In large reservoirs the greatest specific activity of ^{137}Cs , as a rule, is registered in fishes of the higher trophic levels.

Keywords: fishes, Ukraine, ^{137}Cs , specific activity, the content.