

S. P. Gashchak Main Points of Radioecology of Big Mammals in Chernobyl Zone // Problems of Chernobyl Exclusion Zone. -2009- V.9- P.125-140.

In the analytical review the long-term dynamic and peculiarities of  $^{137}\text{Cs}$  accumulation in game mammals of Chernobyl areas of Ukraine, Belarus and Russia was considered. There was showed that contamination of the animals mainly depends on current ration and biological availability of the radionuclide in given region and given period of time. Regarding to winter period, the highest contamination was reported in wild boar, and the least – in elk. Noted that seasonal changes of contamination are species-specific and can occur by different ways. For instance, contamination of wild boar increases from autumn to spring, while roe deer's one goes down, then reverse processes take place. Amplitude of changes reaches from some to ten times regarding to species and region. Since the accident time contamination of animals decreased on an order of magnitude, and first of all due to decrease of  $^{137}\text{Cs}$  bioavailability. The most considerable drop occurred during the first five years. In further long-term prospects decay of  $^{137}\text{Cs}$  will be main factor of the animal decontamination.