HYDROCHEMICAL COMPOUND OF AN UNDERGROUND DRAIN

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As a result of scale carrying out of land improvement in 60th years of the XX century the hydrochemical compound of an underground drain has changed. For an estimation of quality of underground waters it is subjected to the physical and chemical analysis. Judging about the comparison of results of the chemical analysis of water can speak about what changes have occurred and what condition of suitability there is water. Four objects have been taken for studying materials of researches: 1. meliorative system "Bylkovo" Zhabinkovsky area, 2. meliorative system "Diatlovichi" Drogichinsky area, 3. meliorative system "Morochno" Stolinsky area and 4. meliorative system "POMZ" Luninetsky area.

Engineering researches have been lead on investigated objects at primary meliorative land development and then at reconstruction of meliorative systems (1. Zhabinkovsky area - 19.02.1976 - 29.09.2005; 2. Drogichinsky area - 29.04.1997 - 10.15.2005; 3. Stolinsky area - 29.04.1969 - 25.05.2006; 4. Luninetsky area - 1.06.1974 - 18.07.2006). Analyzing the results of the chemical parameters have received following: pH - on three systems (1, 3, 4) the reaction of environment has remained neutral, the fourth (2) - from rigid has been changer into neutral; the general rigidity - has not changed on 1, 3, 4 and has been increased twice on 2 system; aggressive carbonic acid hasn't changed 2 and in 3 meliorative systems, has decreased in 1,8 times and in 4,1 times on 4 and 1 systems, accordingly; CO_2 - on 1, 3, and to 4 systems has not changed and has increased on 2 meliorative system in 2,2 times. Quantity of ions Ca, Mg, Cl, SO_4 , HCO_3 , Na+K has not changed essentially.