

DUMP INFLUENCE OF SANDY-ARGILLACEOUS BREEDS ON A QUALITY OF UNDERGROUND WATERS

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Negative consequences of oxidation disperse pyrite, in sedimentary rocks are considered at their extraction on a surface of the ground. The kinetic geochemical model of oxidation pyrite, in conditions of direct contact of breeds with an atmosphere is resulted. The estimation of the area of a surface disperse pyrite, as key parameter influencing intensity of oxidation is given. The degree of oxidation pyrite is determined during contact of breed to an atmosphere within 6 months, calculations are confirmed with the natural data at approbation of internal dump Troitsko-Bainovskogo of refractory clay deposit. On operating experience Poldnevskogo of a water-fence the degree of influence of loamy breeds dumps on quality of underground waters is determined. The conclusion about irreversibility of quality changes of underground waters is made as a result of warehousing dumps.