

Description of the object of the concession

The clay deposit “Kuropole” (hereinafter referred to as “the deposit”) is situated 6.5 km from the railway station Postavy, 1 km to the south from village Kuropole of Postavy District, Vitebsk Region. The highway Vitebsk-Polotsk is 12 km to the south from the deposit. The improved dirt road Postavy-Widzew is passing over the deposit from south to north, the deposit is crossed by several dirt roads. The bulk of the deposit is open and is used for cropland and a small part of it is covered by small shrubs.

The prospect evaluation survey of the deposit has been conducted.

The preliminary estimated reserve of clay is 69,0 million m³. Mineral resources are presented by glacio-lacustrine clay, fat and sandy clay with interlayers of loam. The stratum of the deposit is 11 x 5.5 x 7.5 km in size. The depth of the stratum varies from 1.7 to 13.1 meters; the average depth is 6.7 meters.

The thickness of overburden is 0.2–2.7 meters; the average is 1.1 meters.

The content of fraction of less than 0.01 mm on samples varies from 47.11 to 96.83%, and in blocks – 82.44-82.86 %. The content of fraction of less than 0.001 mm on samples is 31.39-79.3%, in blocks – 53.59-56.92%. The index of plasticity is 10-40, the average is 17. The total content of coarse-grained inclusions varies from 0.003 to 1.05 %.

The chemical composition: SiO₂ – 53.04 %, Al₂O₃+ TiO₂ – 12.27 %, Fe₂O₃ - 7.04 %, CaO – 4.73 %, MgO – 2.95 %, K₂O – 4.35 %, Na₂O -0.69 %, the ignition loss – 8.82 %.

The Myadelka river with its tributary Luchayka flows through the area of the deposit. The network of small reclamation canals is laid over the entire area of the deposit. Groundwater is confined to the layers of sand lying among the clays or underlying them. The depth of groundwater varies from 0.7 to 14.4 meters.

Clay deposits may be used for the production of expanded clay, ceramic tiles (for internal wall lining), drain pipes, M-100 bricks. For the final conclusion raw materials should be tested in the plant conditions.

More detailed exploration works must be conducted on the deposit.

The initial payment amount of the clay deposit «Kuropole», Postavy District of Vitebsk Region, is \$ 61,9 thousand (Resolution of the Council of Ministers of the Republic of Belarus of 26.09.2012 №876).