ASSESSMENT OF TECHNICAL CONDITIONS OF EMBANKMENTS AROUND AN AGROINDUSTRY WASTE WATER STORAGE RESERVOIR

Key words: embankment, groundwater, retention reservoir, settlement of subsoil, waste water

Summary

The paper presents characteristics of a retention reservoir, which stores waste waters from agricultural-food industry and results of studies carried out in the period 1990-2002. The studies concerned water lifting in the reservoir, groundwater table in piezometers, colmatation of the reservoir bottom, settlement of the embankment and density of soils. The reservoir was built in 1977 and broke down 2 years later. Embankment was damaged along 70 m of its length in a place where organic subsoil about 8 m thick had occurred. The reservoir was rebuilt in 1988. Since that time very special attention has been paid to safety of this reservoir.

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