

**Kulbik, M. Analyzing the Parameters of Water-pipe Network Flushing by the Method of Unidirectional Water Flow. *Ochrona Srodowiska* 2012, Vol. 34, No. 1, pp. 47–51.**

**Abstract:** Many years' experiments performed during flushing of the water-pipe network by the method of unidirectional water flow have contributed substantially to the verification of the interactions among the quality of the washings, accumulation of deposits in the pipes, the parameters of flushing, the number of water exchange cycles, and the range of influence of forced water flow. It has been found that, at the beginning, the flushing of the deposits out of the water-pipe network proceeds according to the rapidly rising curve (the first or the second water exchange cycle) and then according to the falling curve. This is so because at the point in time when the pollutant content of the washings reaches the maximal value, an evidently downward trend sets on in the flushing of the pollutants out of the water-pipe network. The efficiency of flushing was quantified based on the pollutant content of the washings. It has been demonstrated that the maximal pollutant content of the washings is influenced by the type, composition and age of the deposits, as well as by the velocity of flushing and the length of washings flow.

**Keywords:** Water-pipe network, deposits, washings.