

CHANGE OF MICROBIAL COMMUNITY IN TERTIARY WASTEWATER TREATMENT

BENAKOVA, A.; VOBECKA, E.; PECENKA, M.;
RIHOVA AMBROZOVA, J.; WANNER, J.

Department of Water Technology and Environmental Engineering,
University of Chemistry and Technology, Prague

Keywords: disinfection – *Escherichia coli* – wastewater –
reuse – pilot plant – tertiary treatment – irrigation

The aim of this contribution is the presentation of partial results of testing tertiary technology for recycling of treated urban wastewater. The obtained water will be used for watering of greenery, playgrounds, or for street cleaning. The quality of the treated water depends on the purpose of the use. Emphasis is placed especially on the microbiological quality of the obtained water because the chemical parameters of treated wastewater do not pose a significant risk when used for non-drinking purposes. The importance of the disinfection step was confirmed. The water quality was sufficiently hygienically ensured even during storage.