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"Gh. Asachi" Technical University of Iasi, Romania

THE GLOBAL ASSESSMENT METHOD OF THE WATER QUALITY

Mihai Nicu^{1*}, Marcel Perjoiu^{2*}

¹Technical University of Iasi, Faculty of Industrial Chemistry, Department of Environmental Engineering, Bd. D. Mangeron 71A, 700050 Iasi, Romania
²Romanian Water National Management – Iasi Directorate, 10 Teodor Vascauteanu Street, 700462, Iasi, Romania

Abstract

The Pollution Index Method is an instrument for assessing the water quality of crosssections, sections, rivers and river basin. The method offers an objective view of the river and basin quality comparative with other river or river basin.

The pollution index is a nondimensional value that allows the comparison between the ideal and real conditions of an ecosystem. It can be calculated in two ways: first, using the cross-section characterization for all the parameters, and second, considering the evolution analysis of the parameters along the river. Using the two ways, the expressions of the pollution index for cross-section, river and river basin are obtained, both graphically and using the formulas. This procedure was imposed by the water quality assessment system.

We propose the pollution index method to be used for the analysis and the assessment of water quality because it presents advantages by comparison with usually methods.

Keywords: water quality, monitoring, assessment, cross-section way, pollution index, index scale.

^{*} Authors to whom all correspondence should be addressed: Phone: 40-0232-211614, 40-0232-262135; e-mail: nicum@ch.tuiasi.ro; e-mail: marcel.perjoiu@dap.rowater.ro