



“Gh. Asachi” Technical University of Iasi, Romania

WATER QUALITY ASSESSMENT BY POLLUTANT LOADS AND CONCENTRATIONS

Marcel Perjoiu^{1*}, Mihai Nicu²

¹*Romanian Water National Management - Iasi Directorate, 10, Theodor Vascauteanu Street, 6600 Iasi, Romania,* ²*Technical University of Iasi, Faculty of Industrial Chemistry, Department of Environmental Engineering and Management, 71 A Mangeron Blvd., 700050 Iasi, Romania;*

Abstract

The work evaluates water quality by the means of pollution indexes calculated using the pollutant loads and concentrations. The indexes are calculated by considering the parameters cross section as well as their variation along the river. The results obtained are compared with those of the classical evaluation. The proposed assessment method for water quality proved to be a good mean to investigate in an accurate manner the water pollution and provides a quantitative base for remediation measures.

Keywords: concentration, loading, model, pollution index, assessment

* Author to whom all correspondence should be addressed: marcel.perjoiu@dap.rowater.ro