



THE POLLUTION INDEX, A NEW TECHNICAL TOOL IN WATER QUALITY ASSESSMENT

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Abstract

The surface water quality is estimated in Romania by using the improved laws and standards according to the European Directives: Romania adopted 17 (of 18) Water European Directives. The 18th Directive, 2000/60/EC of the European Parliament/Council, establishes a framework for Community action in the field of water policy, and will be transposed by amending the Romanian Water Law, in the first trimester of 2004.

The principle of the *classics technique* for water quality assessment was still not improved, generating some errors in quality classes calculation based on the cross-section and sections of the rivers. By *classics technique* the paper designates the present system of the water quality assessment used by the National Romanian Water Management. The analysis shows that it is necessary an improvement of the water quality assessment methods by using new techniques, *the Pollution Index*, as an instrument for assessing the water quality of cross-sections, sections, rivers and river basin. The method offers an objective view of the river and basin quality comparative to other rivers or river basins.

Keywords: water quality, assessment, errors, pollution index, intercalibration.

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