
CLASSIFICATION OF SURFACE WATER QUALITY

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This article deals with new Czech Standard 75 7221 Water quality – Classification of surface water quality [1] and replaces the previous 19 years old standard [2]. It was necessary to take into account actual demands of the surface water protection from two points of view: pollution indicator selection and current environmental quality standards. The range of pollution indicators and limit values of water classification were revised. The text part of the Czech Standard has been extended: Annex A – water hardness calculation and pesticide metabolites expression as a “mother” substance; Annex B – brief pollution indicators characterization. It allows you better to know each type of pollution. Calculation principle of the characteristic value C_{90} remains unchanged. Newly, this standard allows to determine approximate water quality at the lower frequency than is needed for classification.