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SIMULATION OF POLLUTION TRANSPORT FOR WATER SURFACE STREAM SECTIONS

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Abstract

The paper approaches some aspects on simulation and monitoring systems of the discharges of wastewaters in surface waters, so that their quality could be rated and the evolution of the pollutant concentration controlled. Using these tools, the determination of the pollutant load in the stream water is possible. In order to solve these issues, it is necessary to know very well the affected area and have the possibility to acquire data on the hydraulic parameters of the water streams. This would allow the appropriate decision to be taken regarding the maximum concentrations reached during the accidental pollutants discharges into rivers, as well as the possibility to dilute or recover the pollutant in order to bound the pollution wave distance and to warn in short time the users from downstream.

Keywords: surface water, pollution sources, pollution transport, dilution, cyanide

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