Abstract

The procedures of wastewater discharge by the industries in the municipal sewer system which exceed the maximum pollutant concentration allowed, generate hazards as drainage pipes blockade, risk of explosion, damage of the infrastructure and an increase of contaminants burden that override the municipal water treatment plant capacity. To solve these problems, it is recommended that the municipality embrace the legal and technical framework for carrying out control of wastewater discharges. The present work recalls the legal and regulatory framework in which Municipality can be based to adequate its own regulation for wastewater pollution control and includes the method and application to calculate the fees on the download of wastewater into the drainage system, the burden of contaminants, the non-compliance index calculation, and the cost per kilogram for the concept of pay of rights. This methodology has been applied in three industries. The results showed pollution generation above the permissive limits. This methodology can be used by industries to calculate their own rate of failure and take corrective actions to further awareness of the legal and normative basis on which the authority determines the pay of rights for downloading waste.

Keywords

Procedures review, non compliant index, Mexican regulations approach, pollution charges.