

AEROBIC BIOFILM TREATMENT METHOD AND APPARATUS

ABSTRACT

Provided are aerobic bio-treatment method and apparatus for substances to be removed in raw water fed to an aeration tank 2 with biofilm supporting carriers C or granules loaded in the aeration tank. The relationship between the oxygen consumption speed per biofilm supporting carrier or granule and the DO target value associated therewith and/or the aeration intensity setpoint value associated therewith is defined in advance. Said DO target value and/or aeration intensity setpoint value is/are adjusted on the basis of said relationship in response to a variation in the measured value of the oxygen consumption speed per carrier or granule. An aerator device is controlled so as to bring the DO to said target value or so as to achieve the determined aeration intensity setpoint value.

Figure 1