

Abstract

The invention relates to a method for controlling a water treatment installation (2) having a supply (3), an ozonisation stage (4), a transfer stage (5), at least one biological filter (6) and a discharge (7) having the following method steps: measuring a first parameter set in the supply (3) by means of a UV/Vis sensor (8), wherein, with reference to the first parameter set, a measurement for a first concentration of micro-contaminations (c1) and/or a nitrite concentration (n1) is determined; controlling the ozonisation stage (4) in such a manner that an ozone supply is carried out in a preselected ratio to the measured first parameter set (c1, n1); measuring a second parameter set in the transfer stage (5) by means of a UV/Vis sensor (9), wherein, with reference to the second parameter set, a measurement for a second concentration of micro-contaminations (c2) is determined; controlling the ozonisation in such a manner that the quotient $(c1-c2)/c1$ is produced from the difference of the first concentration of micro-contaminations (c1) and the second concentration of micro-contaminations (c2) in relation to the first concentration of micro-contaminations (c1) between a predetermined minimum value and a predetermined maximum value; measuring a third parameter set in the discharge (7) by means of a UV/Vis sensor (10), wherein, with reference to the third parameter set, a measurement of a third concentration of micro-contaminations (c3) is determined; if the measurement for the concentration of micro-contaminations (c3) exceeds a predetermined maximum value in the discharge (7), increasing the ozone supply in step 1.2.

Figure 1