

TOXcontrol monitors water for Infiltration Project

The infiltration project in the water-collection area of the Vitens pumping station in Epe (the Netherlands) was started in 1998.

From September until April, water is taken in from a small river and infiltrated after transportation.

Before transportation to the water collection area the water is monitored by a Mosselmonitor and the TOXcontrol.

The TOXcontrol was chosen after a long Evaluation period because of its simplicity, ease of use and wide range of detection of possible contaminants.



Principle and operation of the TOXcontrol:

This completely automated Biomonitoring system (or Biological Early Warning System) uses freshly cultivated light emitting bacteria (*Vibrio fischeri*) as a biological sensor. The luminescence is measured before and after exposure to calculate the percentage of inhibition.

The luminescent bacteria test is an automated version of the ISO 11348-3 allowing continuous monitoring of rivers, drinking water production or wastewater treatment plants.

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