

Reference

Chlorine warning system waste water outlet paper factory

The problem

The paper factory has its own biological treatment plant. To prevent that Chlorine from the disinfection process getting into the biological tank via floor drains and destroying the bacteria, the inlet into the treatment plant should be equipped with a Chlorine warning system

The challenge

- The water contains not only particles but also fibers from the paper production which tend to stick to all exposed surfaces
- Normally the water contains no disinfectant, and the high organic load provides ideal conditions of growth for microorganisms, so that the biofilm evolve quickly in the flow cell and around the sensor



Our solution

The measurement system uses sensors with gold electrodes in direct contact with the test water. The system contains no membranes that can clog or tear. The new single-rod design allows installation in a simple, wide-spaced flow cell to reduce precipitation. The metal electrodes are cleaned automatically and daily by our patent-pending Automatic Sensor Cleaning ASR. This maintains the sensors activity even in absence of disinfectants, so that a sudden Chlorine concentration is immediately recognised and an alarm is set off.

Customer's feedback

„Measurement and automatic cleaning work efficiently from day One. Each manual Chlorine dosage, carried out once per week, gave a sharp signal peak, and the metal electrodes were always clear. We are quite pleased with the product and with the collaboration with the company Dr. A. Kuntze GmbH.“

Dipl.-Ing. Andrea Klar, CEO
FiltroTec

