

Reference

Hydrogen Peroxide control in an air scrubber, waste water plant, Hochheim

The problem

The waste water treatment plant of Hochheim, built after the second world war and expanded ever since, has recently been supplemented with an air scrubber, to spare the recently constructed residential area the odour nuisance. Inlet and the first treatment basin were roofed in, and the air is treated in a three-step scrubbing process according to VDI 2443. The concentration of the oxidant – hydrogen peroxide – should be monitored and controlled by online measurement.



The challenge

- High pH values – between pH 10 and pH 12, depending on the pollution
- High amounts of pollutants both in dissolved and suspended form



Our solution

The measurement uses sensors with platinum 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 flow cell with high throughput and little flow resistance, so that particles do not precipitate in the flow cell. Large openings prevent clogging of the flow cell. The metal electrodes are cleaned automatically and daily by our patent-pending Automatic Sensor Cleaning ASR.



Customer's feedback

„Measurement and control work efficiently since this system was installed. Up to now we have done no maintenance at all. This was our first contact with Dr. A. Kuntze GmbH, and we are quite pleased with both the product and the company.“

Gerd-Stefan Mentges, manager of the plant and representative of the Rheingau-Taunus division of the German Association for Water, Waste Water and Waste, DWA.

