

Wastewater diversion based on turbidity

Application

Monitor wastewater turbidity before discharge. Use a site-specific threshold to trigger flow diversion. Install the VOM after the wastewater tank and before the diversion valve and sewer outlet. Confirm discharge conditions against the site requirements and relevant sample results.

Measurement and control

The VOM continuously monitors turbidity and sends a 4-20 mA signal to the PLC. Above the selected threshold, the control system diverts the flow to a holding tank. Below the threshold, the flow can follow the discharge route, subject to the other conditions required for discharge. This application example uses a threshold of 150 NTU. Automatic air cleaning is available to help maintain measurement performance in wastewater applications.

Using the measurement

This example diverts flow above 150 NTU. A turbidity threshold is an operating control; it does not replace other required discharge measurements.



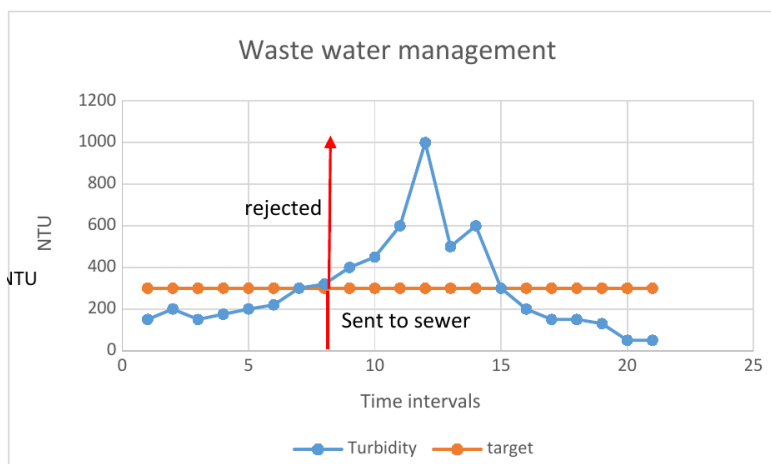
VOM probe and remote electronics

Features and application details

- Configurable calibration range
- Measurement history
- Temperature output on the second mA loop
- Integrated USB port
- Long-life LED
- Stainless steel 316L cable
- Remote electronics
- Automatic cleaning with air spray



Cleaning arrangement shown in the source application



A separate trend example uses a 300 NTU target; the text describes 150 NTU