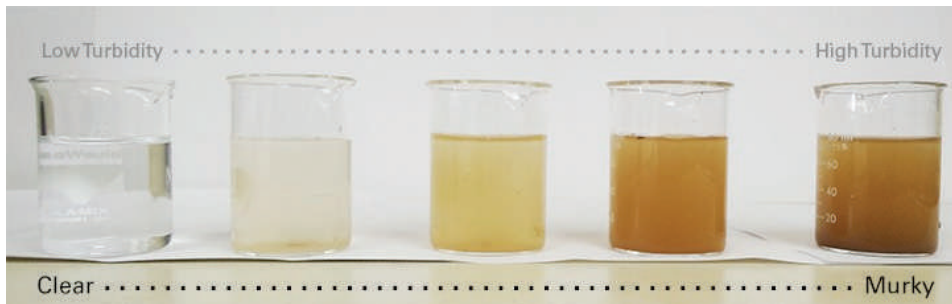


# Operation and maintenance

## 5

### Check water quality regularly

To ensure that the irrigation water continuously meets the parameter criteria the effluent water characteristics must be checked regularly. If the effluent water does not meet these criteria, action should be taken. First by backwashing the tank(s), if this does not result in acceptable water characteristics additional measures need to be taken. This depends on the specific situation, cleaning the coarse material may solve the problem or an extra filtration step might be necessary. Check the water parameters and foster maintenance regularly to ensure that the filter system retains the highest possible filter characteristics.



### Backwash the tank(s) regularly

After the filter has been in use for some time, breakthrough of suspended solids will occur, when this happens the sedimentation tank and filter tank must be backwashed. This can be done by closing the inlet valve and opening the drainage valve at the other end of the T-section. The water present in the sedimentation or filter tank will, under gravitational force, flow out of the tank with a high velocity. Due to the high flow velocity sediment contained in the tank will be flushed out and the sedimentation tank or filter will be clean again.

The valves must then be switched to the default setting, so the filtration system can operate again. Backwashing must probably be done every few days, preferably as much as possible.

# Operation and maintenance

