

24/7 Monitoring and Treatment to Help Control Quat Sanitizing Chemicals

Sanitizing chemicals can severely impair aerobic and anaerobic biological wastewater treatment system performance. Eclipse helps to:

- Avoid plant upsets and associated costs
- Maintain treatment system performance at optimal levels
- Reduce the amount of manual oversight required to respond to sanitizing chemical level changes resulting from spills, clean-outs, or operational modifications
- Identify trends in sanitizing chemical levels that can lead to operational improvements

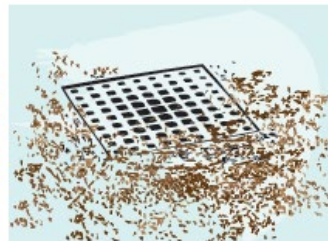


Eclipse helps you maintain optimal performance and prevent upsets through:

- In-line monitoring of quaternary ammonias (quats)
- Automated dosing with QK1000 quat neutralization chemistry
- Web-based data reporting and analysis platform to help you understand and diagnose threats to your system's health



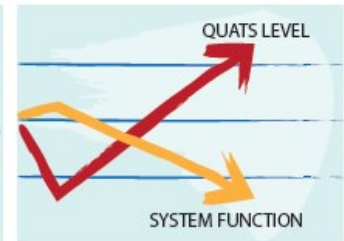
Cleaning process using quats



Runoff flows into wastewater



Enters wastewater system



Rise in quats diminishes process efficiency

Eclipse QK1000 provides rapid quat neutralization

QK1000 is a proprietary formulation that rapidly neutralizes cationic biocides. When used in conjunction with Eclipse skids, QK1000 can provide complete neutralization of quats.

- Biodegradable
- Low solids addition
- Low environmental toxicity
- Available in drums & totes
- Works on a broad range of cationics
- Simple pump & drum setup

Pain points that may be addressed with Eclipse

- Inability to determine cause of performance degradation
- Excessive manual oversight required to react and respond to changes in sanitizing chemical concentrations

CASE STUDY: ECLIPSE HELPS POULTRY PLANT MANAGE QUAT IN THEIR BIOLOGICAL WASTE SYSTEM

A poultry plant trying to maintain their biological wastewater system struggled with managing quaternary ammonium levels. Installing the Eclipse quat skid and feeding our QK1000 quat-neutralizing treatment helped the facility improve quat levels in their system and restore the health of their waste plant return.

Eclipse allowed them to automate monitoring and testing, trend data, reduce quat usage, and identify the baseline feed of quat neutralizer further upstream in the process to maintain the freshly re-seeded anaerobic lagoons.

Results are examples only. They are not guaranteed. Actual results may vary.

