

BIOCIDE COMPARISON TABLE

Biocide	Bacteria Kill Efficacy @ PMRA Approved Dose	Fast Reaction Time	Duration of Protection	Effective pH Range	Low Toxicity to Environment (i.e., includes byproducts)	H ₂ S "Sweetening"	Iron and Manganese Oxidation	Low Cost per m ³ (> 3,500 m ³)	Low Cost @ PMRA Effective Dose
ClO ₂	High  Low	●●●●	●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●
Glut.		●●●	●●●	●●●	●	NR	NR	●●●	●●●●
Bronopol		●	●●●●	●●●	●●	NR	NR	●	●●
THPS		●●	●●●	●●●	●●●	NR	●●●	●●●	●●●
Quat.		●●	●●●	●●●	●	NR	NR	●●●	●●
DBNPA		●●●●	●	●	●	●	NR	NR	●●●●

●●●● = Exceptional, ● = Poor, NR = No Reaction

Call **1-855-537-3011** to discuss which biocide is **BEST FOR YOU!**

Figure 1. A Typical Job Log: ClO₂ Dose Delivered as a Function of Time



Figure 1. Required chemical dose (in ppm) is plotted as a function of time over the duration of the job. Note the large upfront biocide requirements, usually due to water stagnation or unpurged tanks and hoses. As the job progresses, the chemical demand typically drops, but can fluctuate rapidly throughout the course of the job. This volatility in bacteria loadings and water quality are rarely measured by conventional means, and therefore often go by untreated.

Figure 2. A comparative bar chart demonstrating the variability of the required biocide dose at multiple sample points on the same job! Fortunately, Remote OTS' QAQC sampling program is designed to account for exactly these kinds of inconsistencies and will treat them accordingly for the duration of the job.

Figure 2. Pre-Job Bacteria and Demand Screening of Source water

