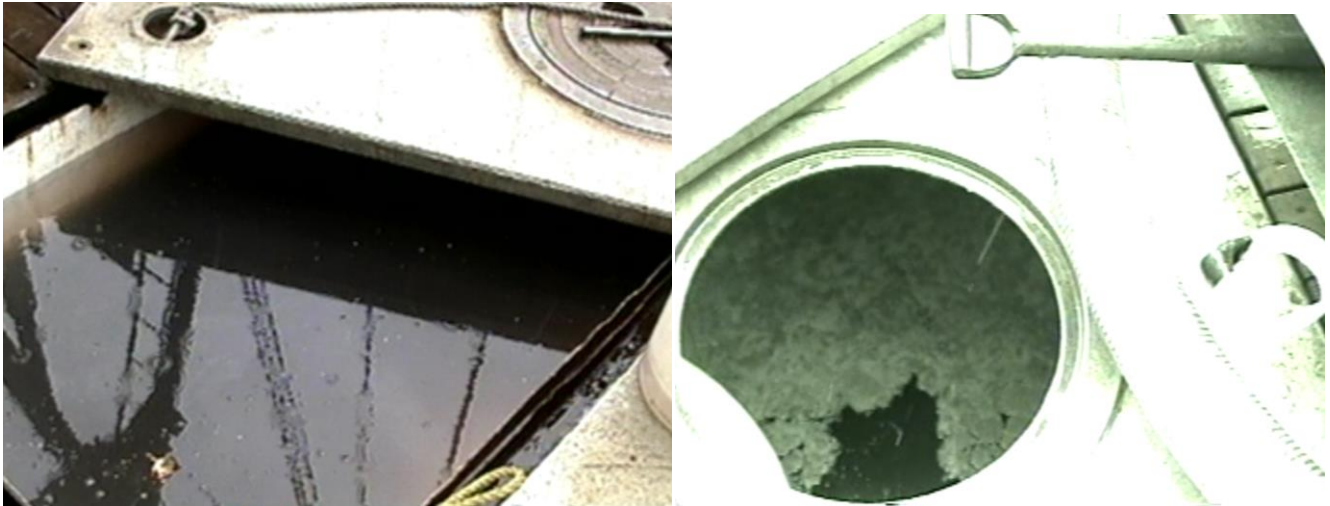


# The Use of Chlorine Dioxide and Acidified Sodium Chlorite



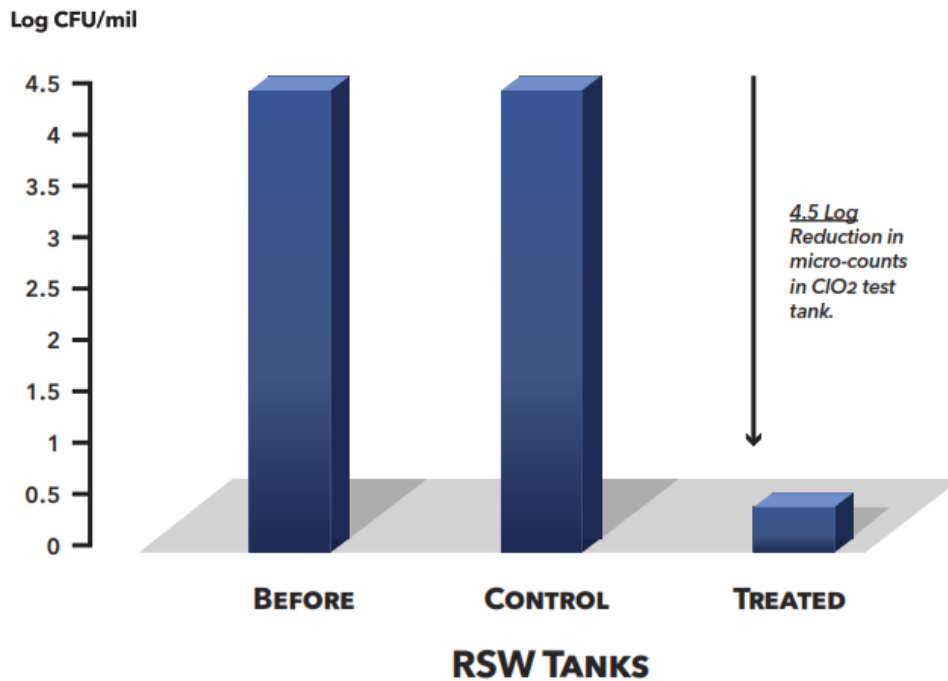
Study performed to extend the shelf life of fresh salmon by Ed Krynski ,  
Alaska Food consulting Inc.

Sponsored by the State of Alaska Economic Development.



“We achieved a 4 ½ LOG reduction in the microbial load which is a 99.995% reduction in counts. This is equivalent to drinking water standards at this microbial level.”

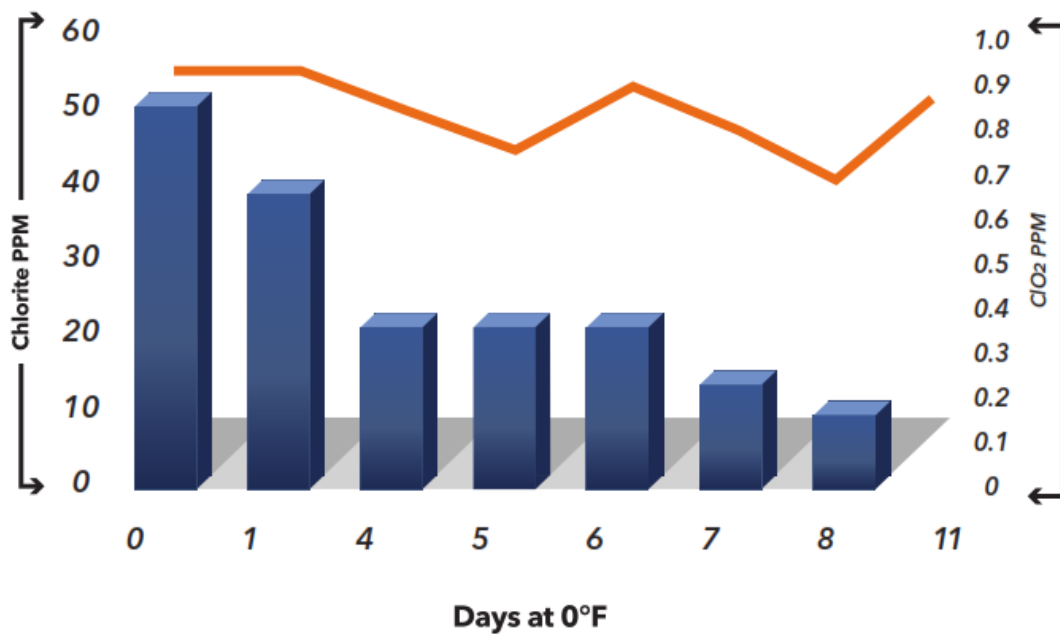
### CIO<sub>2</sub> IN RSW SYSTEM





Constantly generating Chlorine Dioxide between 0.6 and 0.9 parts per million over an 11 day period

### ACIDIFIED SODIUM CHLORITE ICE



Over an 8 hour period the microbial load increases dramatically on regular plant processing water containing ½ parts per million chlorine. Using chlorine dioxide at 1 part per million the counts decrease over time to a 5 LOG decrease over an 8 hour period. This represents a 99.999% reduction.

## CIO<sub>2</sub> PLANT PROCESSING WATER MICROBIAL COUNTS (STAINLESS STEEL BELT)

