



PHYCOREMEDIATION | BIOREMEDIATION

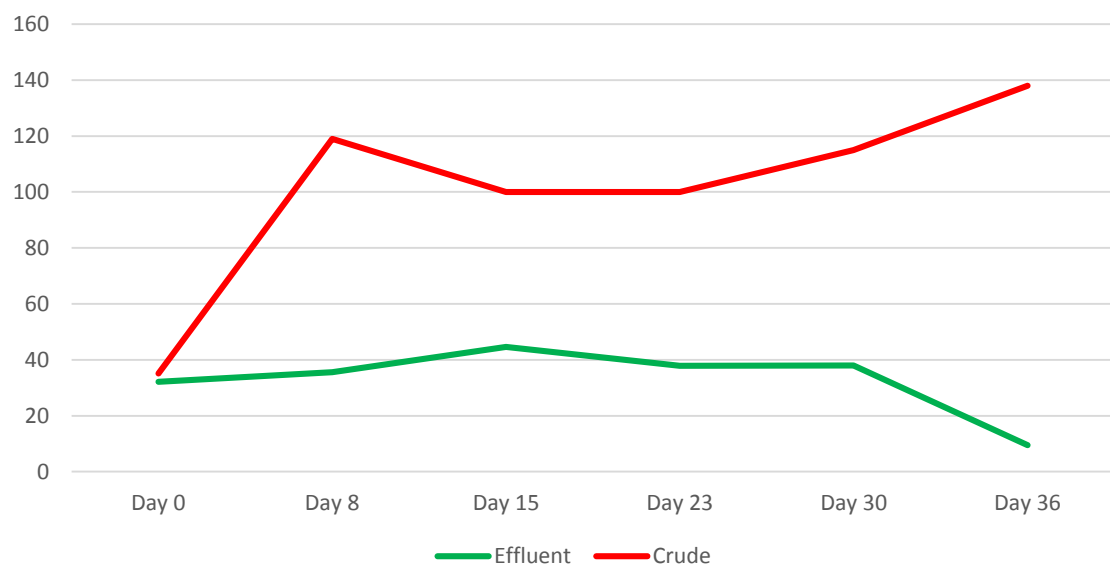
Enhanced Phycoremediation and Bioremediation Improves Sewage Treatment System

Solution to substitute a high cost of maintenance and operation of Sewage Treatment Plant while no rising solids in the clarifier, excellent denitrification, very low nutrient numbers and BOD values, all without infrastructure changes or additions.

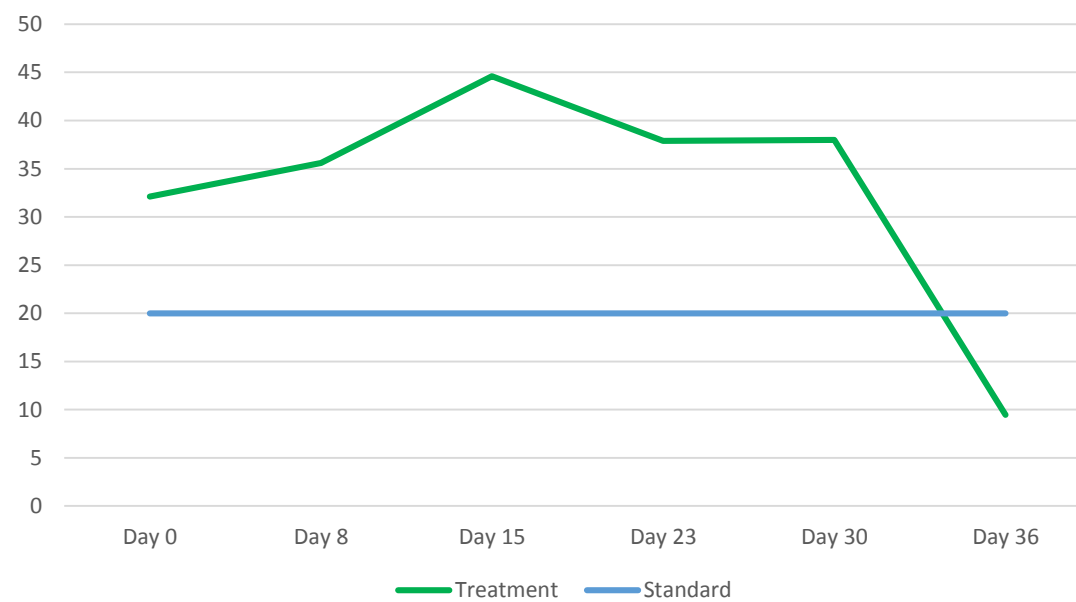
ENHANCING DECOMPOSITION PROCESS

During pre-treatment monitoring we could notice that the AquaBio Solution could help the STP to meet the standard of Final Discharge as regulated by Department of Environment (DOE). After about 30 Days of enhancing phycoremediation and bioremediation, the standard effluent quality could be achieved.

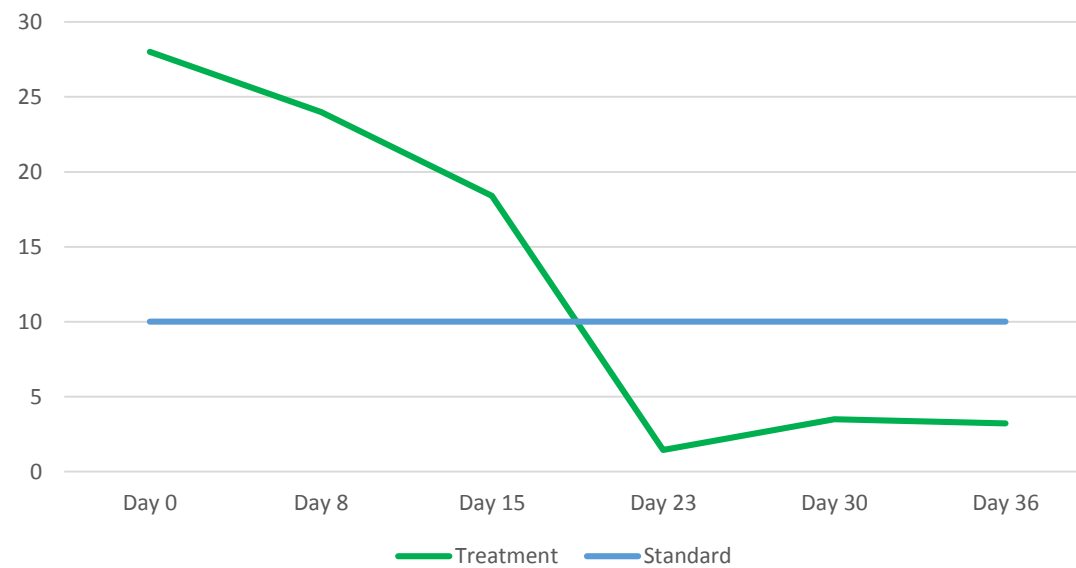
Crude VS Final Effluent on BOD



BOD (mg/L) in 5 Weeks



Ammonia (mg/L) in 5 Weeks



Treatment process requires no commitment to new or expensive equipment -- ZERO CAPEX.

Feel free to contact us at 019 – 221 9630 and sales@aquaritinasia.com



AquaBio Solution worked wonders on one of historically 'troubled' sewer plants. We increased dissolved oxygen over 30%; reducing working hours of mechanical aeration system while improving biological activity of beneficial microbes in sewer system.

Case studies of a 0.4-MLD and a 4-MLD WWTP shows DO increased up between 15% to 34%, and significant savings in operating costs

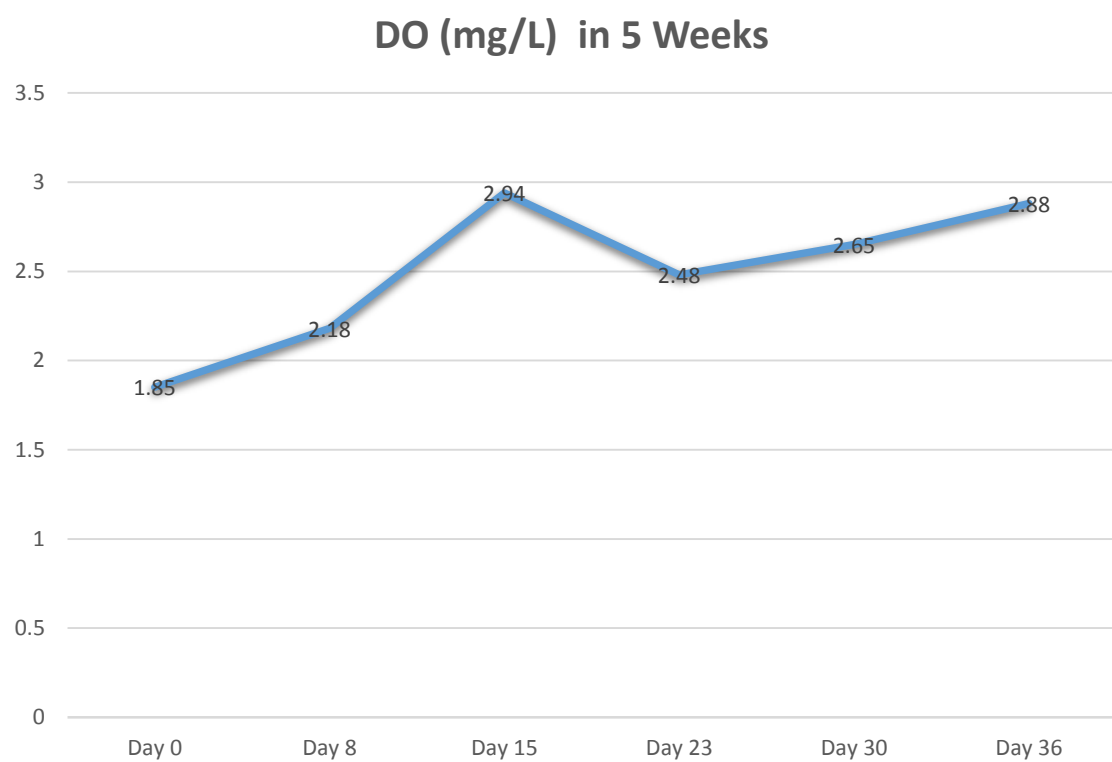


Figure 1: Increase of D.O. level at 4-MLD WWTP, indicated the micro nutrients work to cultivate abundant of diatoms in the system.

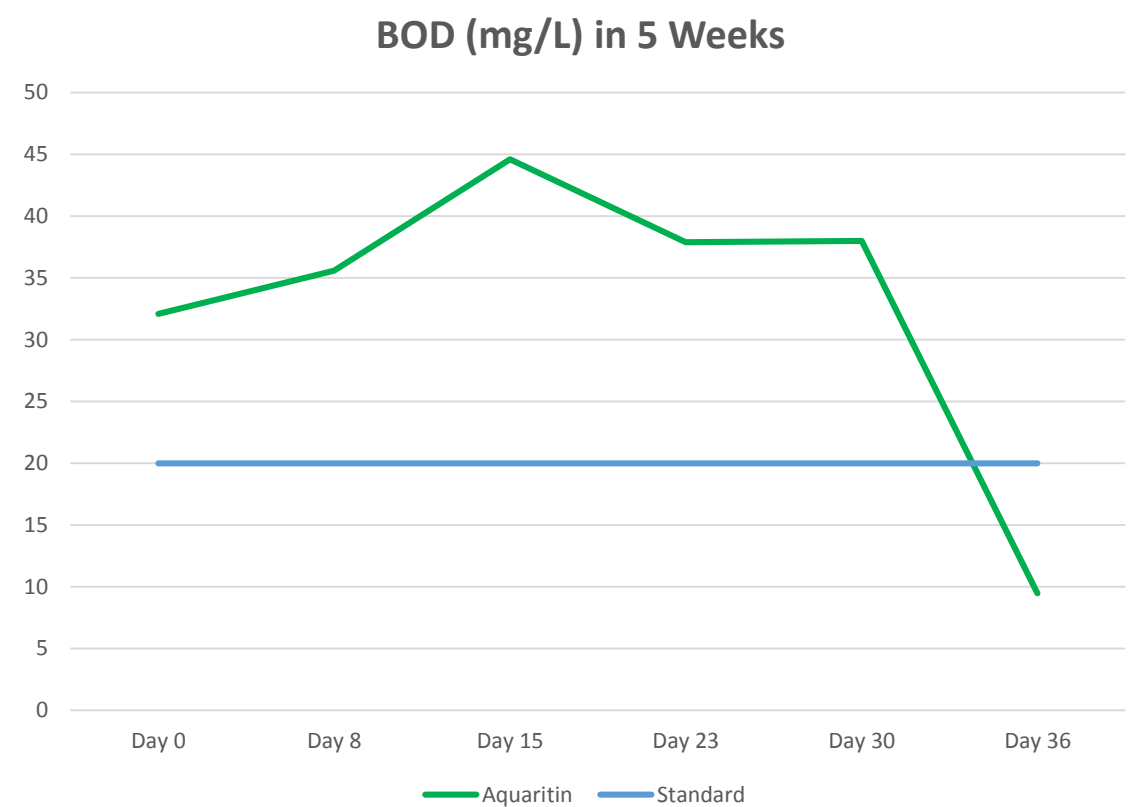


Figure 2: Reduction of Biochemical Oxygen Demand (BOD5) within 36 days after implementation to meet the Department of Environment (DOE) Effluent Standard .

Operational time reduction:

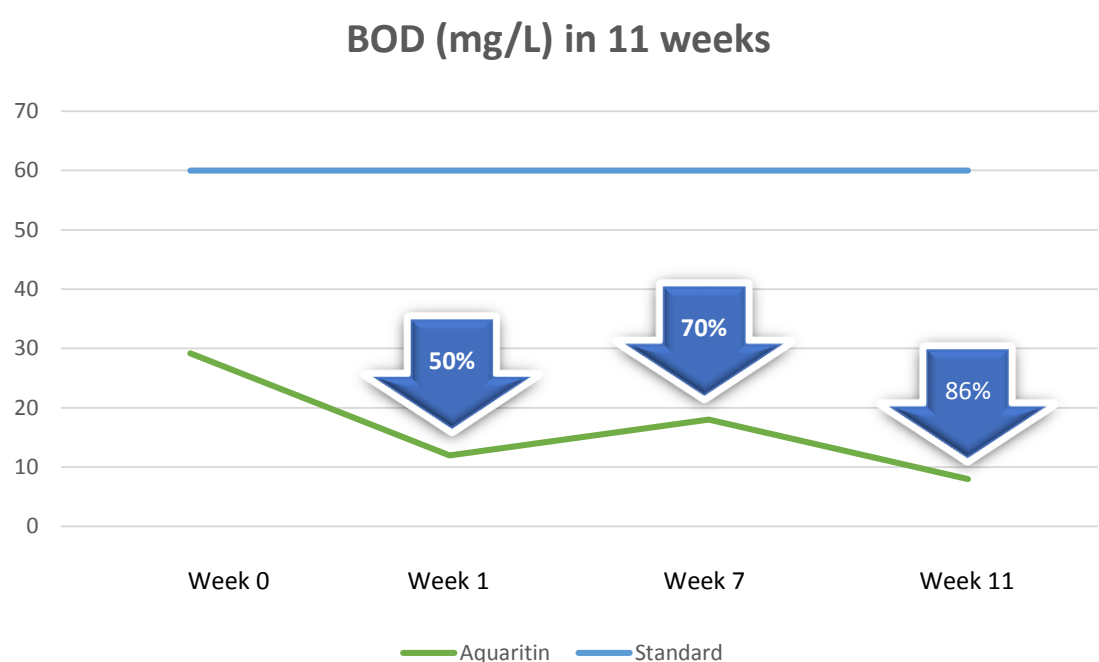


Figure 3: Increase of D.O. level, allows the reduction in mechanical aeration time between 50% to 86% without affecting the performance of the sewer system.

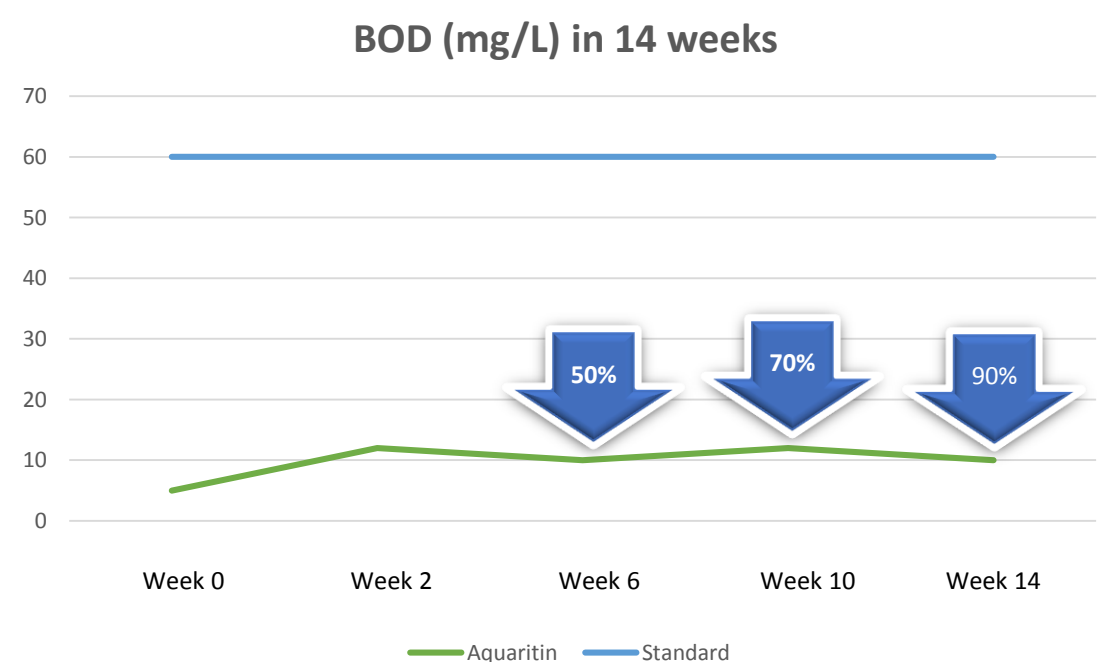


Figure 4: Increase of D.O. level, allows the reduction in mechanical aeration time between 50% to 90% without affecting the performance of the sewer system.