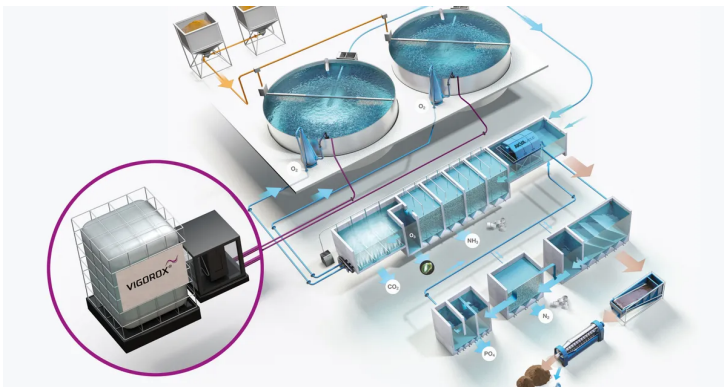


Evonik launches VIGOROX® Trident for water quality control in aquaculture

10 May 2023 | News

EPA-registered Peracetic acid formula combats pathogens in water in recirculating aquaculture systems, ponds, egg hatcheries



EPA-registered Peracetic acid formula combats pathogens in water in recirculating aquaculture systems, ponds, egg hatcheries

Vigoros® Trident peracetic acid from Evonik has been registered by the US Environmental Protection Agency (EPA) for use in recirculating aquaculture systems (RAS) and ponds. A biocide produced by Evonik's Active Oxygens business line can reduce fish pathogens (bacteria and viruses) in water. In fact, VIGOROX® Trident can be applied while fish are present, as it breaks down into only water, oxygen, and acetic acid.

RAS is a land-based form of aquaculture that enables high-density fish farming while minimizing impact on the surrounding environment and avoiding depletion of natural marine and freshwater resources. Maintaining water quality is one of the greatest challenges in a recirculating system.

With VIGOROX® Trident, the biocide can be dosed directly in the tank without the need for time-consuming fish or water removal. VIGOROX® Trident has no-observable effect on salmon and similar fin fish in concentrations below 3.5 mg/L. And because peracetic acid breaks down into nothing more than water, oxygen, and acetic acid, there are no additional steps to clean up chemical residues.

Evonik has been pioneering this new technology in close collaboration with authorities and research facilities. The effective treatment will reduce waterborne fish pathogens that can be used with fish present, said Philip Block, Technology Director for Specialty Markets at Evonik Active Oxygens in North America. Keeping water clean is an important first step in pathogen management which is a big concern to operators of RAS systems.

LuAnn Maloney, Regulatory Manager for Evonik Active Oxygens in North America. The new EPA registration for VIGOROX® Trident attests to our commitment to offering effective solutions that helps in meeting compliance standards.