

## A Scientific Breakthrough In The Treatment Of Wastewater

The **Blue Frog™ Technology** is a proven, tested, low-cost system that replicates the Best Practices of a modern wastewater plant, enhancing the natural environment to maintain a healthy lagoon system.

**Blue Frog™ Technology** digests organic sludge in situ, maximizing HRT, lowering BOD, Malodors, Ammonia, Suspended Solids and Pathogens.

**Blue Frog™ Technology** represents a paradigm shift in pond treatment that revitalizes pond potential.



## A Revolution In Water Treatment

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## Blue Frog™ Patented Technology

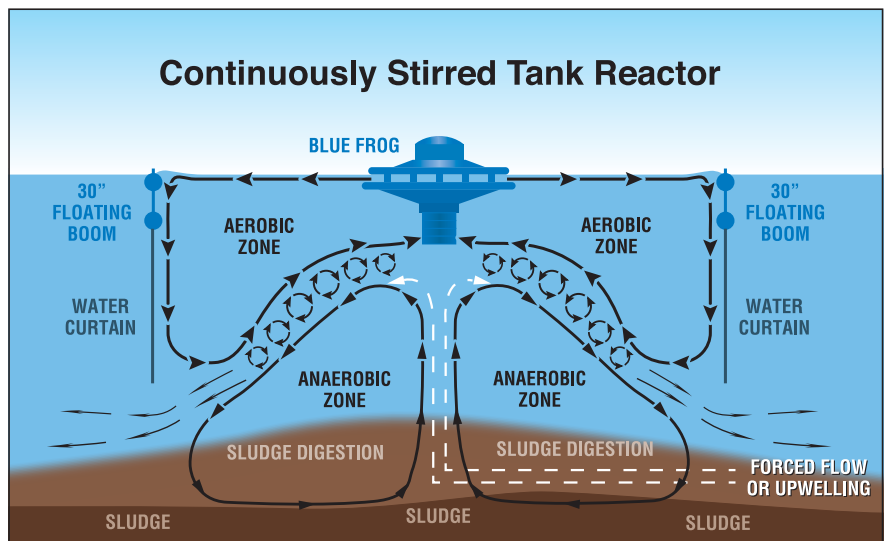
The Blue Frog™ Technology is a proven, tested, low-cost system that replicates the best practices of a treatment plant, enhancing the natural environment to maintain a healthy lagoon.

Blue Frog™ Technology represents a paradigm shift in pond treatment that revitalizes pond potential. By moving oxygen laterally through the water column, rather than vertically, an entirely different treatment process becomes possible. The system mimics natural bodies of water, keeping the water in three distinct layers (Top - Aerobic, Middle - Facultative, and Bottom - Anaerobic).

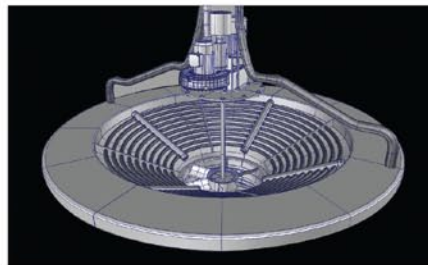
Our technology digests organic sludge in situ, increases retention time, lowers BOD, Malodors, Ammonia, SS and Pathogens without adding chemicals.

The Blue Frog™ functions as the base unit of the system. Three additional units, **Gold Frog**, **Yellow Frog**, and **Green Frog**, have been developed to extend the capabilities in treating your lagoon. Our system has a proven, successful solution in Municipal, Agriculture, and Industrial wastewater management.

Absolute Aeration can provide a design that specifically addresses your wastewater treatment needs.



**Blue Frog™** functions as the base unit of the system. BF is an efficient mixer and passive aerator that provides up to 7mm gallons per day flows and has the ability to layer treated water utilizing only 3 HP.



**Yellow Frog** is used in dirty conditions where the oxygen is consumed rapidly by aerobes. The YF was developed to increase the oxygen transfer rate (OTR) to allow for nitrification / de-nitrification in lagoons



**Gold Frog** is a **Blue Frog™** that is used as a lagoon circulator, or within a CSTR for heavy loading applications. The GF has a patented impingement aeration system attached to it.

**Green Frog** is a **Blue Frog™** equipped with ultrasonic technology manufactured to reduce algae and pathogens. The ultrasonic unit eliminates algae problems by using an environmentally safe technology that kills existing algae and controls future growth. We attached an ultrasonic horn, which is nothing more than a vibrator that is tuned to the resident frequency of the blue green algae. It is programmed to generate the precise frequency of ultrasonic waves that destroys algae's cellular functioning and structure.

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