

## BioMix™ Compressed Gas Mixing System

# EQUALIZATION TANKS

BioMix provides uniform mixing of tank contents by firing **programmed, short-duration bursts of compressed air through patented, engineered nozzles** located near the tank floor. The mixing parameters may be adjusted to optimize mixing and power utilization, either through operator input or automated process feedback.



### KEY ADVANTAGES FOR EQUALIZATION (EQ) TANKS:



#### Energy Efficiency:

- Unequaled mixing efficiency of less than 0.1 hp / 1000 ft<sup>3</sup>
- Proven O&M savings of more than 50% compared to jet or diffused air mixing



#### Unparalleled Flexibility:

- Variable mixing intensity based on operating depth
- No low-level limitations – ability to mix at any liquid depth
- Compatible with any tank geometry or configuration
- Nozzle headers installed along the slope of the floor, eliminating “dead spots” in cone bottom tanks



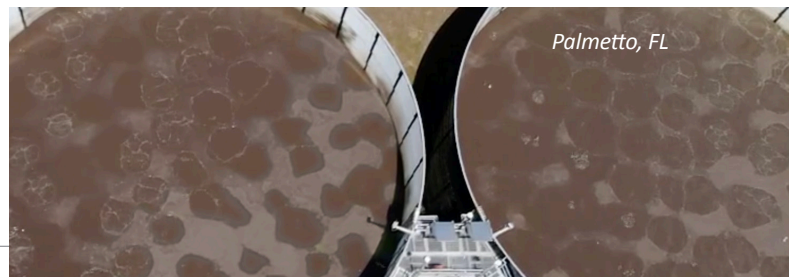
#### Process Optimization:

- Operator-adjustable firing parameters that enable ideal mixed conditions without deposition and minimum energy input
- Promotion of optimal conditions for biological nutrient removal processes upstream of BNR selectors



#### Straightforward Operation:

- No in-tank moving or wearing parts
- Non-clog, maintenance free performance



[www.enviro-mix.com](http://www.enviro-mix.com)

701 East Bay Street, Suite 502, Charleston, SC 29403

P: 843.573.7510 · F: 843.573.7531 · E: [sales@enviro-mix.com](mailto:sales@enviro-mix.com)

Contact [sales@enviro-mix.com](mailto:sales@enviro-mix.com)

TO DISCUSS HOW BIOMIX CAN OPTIMIZE  
YOUR MIXING SOLUTION FOR EQUALIZATION TANKS.