

## Tri-Oval® Oxidation Ditch System Reliable solutions, optimal performance

The Tri-Oval® Oxidation Ditch System, named for our Aire- $O_2$  Triton® in an oxidation oval, is a subsurface complete mix, looped reactor system that is ideal for municipal and industrial wastewater treatment facilities. The energy efficient Aire- $O_2$  Triton® TR Series process aerator/mixer, combined with an optimized control strategy, allows for operation at depths as low as 4ft (1.22m) and up to 33ft (10m).

## WHY CHOOSE THE TRI-OVAL® SYSTEM?

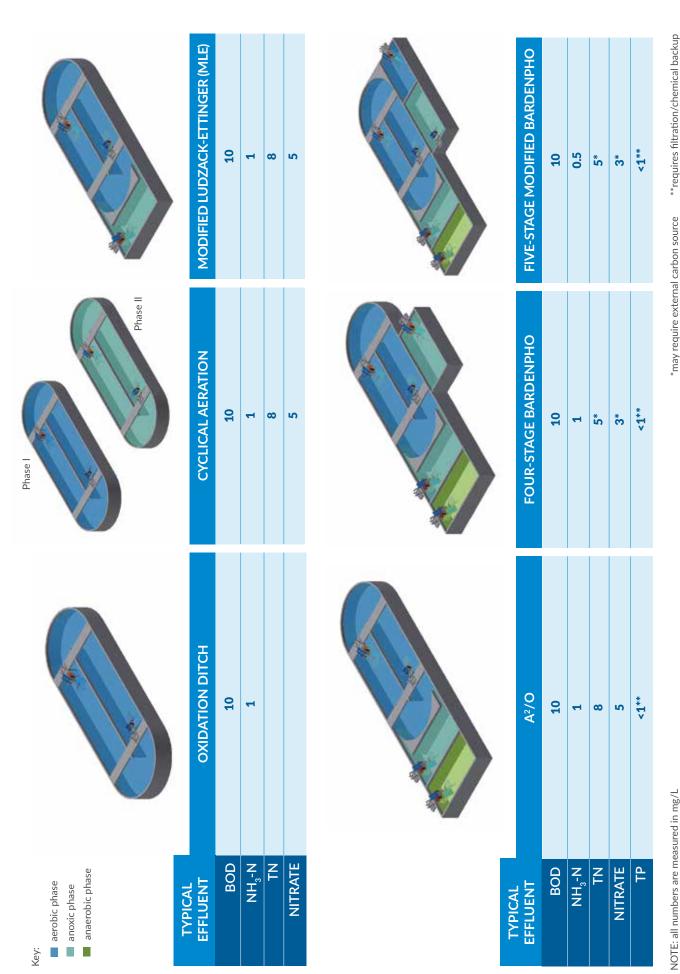
- Independent aeration and mixing with one piece of equipment for biological nutrient removal
- Simple, flexible operation with easy process control
- Reduced power consumption with low total cost of ownership
- Minimal heat loss offers improved winter performance
- Total reliability, quiet operation, and flexible design for restricted land requirements

## **FEATURING:**

- Full biological nutrient removal (BOD, Nitrogen, Phosphorus)
- No aerosols or splashing
- Complete mixing throughout the water column, eliminating solids settling
- Additional equipment can be provided to create a system package including: controls, instrumentation, secondary clarifiers, RAS/WAS pumps, and/or an aerobic digester

## **IDEAL SOLUTION FOR:**

- Activated sludge treatment
- Nitrification and denitrification
- Enhanced biological phosphorus removal
- New construction, upgrades, and retrofits



NOTE: all numbers are measured in mg/L

\*may require external carbon source

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