





The Newterra Tri-Oval® Oxidation Ditch System, named for our 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 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 Oxidation Ditch 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

Features & Benefits

- 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

restricted land requirements

Applications

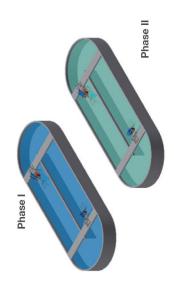
- Activated sludge treatment
- Nitrification and denitrification
- Enhanced biological phosphorus removal
- New construction, upgrades, and retrofits



Tri-Oval® Oxidation Ditch System

Key: aerobic phase anoxic phase anaerobic phase



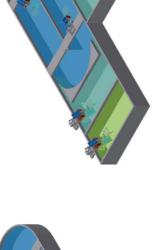




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MODIFIED LUDZACK-ETTINGER (MLE)





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