

CARROUSEL® OXIDATION DITCH



WASTEWATER HIGH QUALITY EFFLUENT TREATMENT

WASTEWATER EFFLUENT TREATMENT | CARROUSEL OXIDATION DITCH

Carrousel Oxidation Ditch is a proven solution for biological wastewater treatment, especially for BOD and Nutrient (N&P) Removal. This system offers high treatment efficiency, operational flexibility, and is cost-effective in terms of energy and maintenance.



HOW IT WORKS

The Carrousel System is an easy-to-operate Biological Treatment System capable of meeting stringent direct discharge effluent requirements for BOD and nutrients (nitrogen and phosphorus). The process has minimal equipment requirements with built-in redundancy. All maintenance is from a clean concrete platform minimizing operational downtime.

TECHNICAL INFORMATION

- Suitable for wastewater with influent BOD (biochemical oxygen demand 500 – 10,000+ mg/L)
- Suitable for 50,000 – 5,000,000 gallons per day of wastewater, depending on influent strength.
- Effluent BOD (biochemical oxygen demand) as low as 10 mg/L, depending on influent composition
- Effluent TN (total nitrogen) as low as 5-10 mg/L depending on influent composition.
- Effluent TP (total phosphorus) as low as 1-5 mg/L, depending on influent composition.

APPLICATIONS AND MARKETS

- Wastewater treatment for
 - Meat and poultry processing industries
 - Aquaculture industry

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FEATURES & BENEFITS

- Mechanical surface aerators (Excel®Aerator) deliver all oxygen for biological treatment needs
- System may be easily automated with the Oculus™ System for minimal energy usage
- Nitrogen and phosphorus removal easy to incorporate

