



TRADEWORKS
ENVIRONMENTAL



Ydro Process® Application in Wastewater Collection System

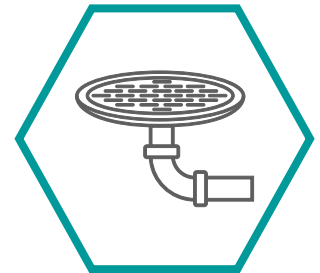
The Ydro Process® combines targeted microorganisms and site analytics to address many types of wastewater treatment challenges. When applied in wastewater collection systems, the Ydro Process® microorganisms enhance the biological treatment process and reduce organic loading to achieve a wide range of performance benefits.



**Targeted Ydro Process®
Microorganisms**



**Analytics &
Technical Support**



**Collection
System**

BENEFITS FROM COLLECTION SYSTEM APPLICATION:

Eliminates FOG Buildup • Prevents H₂S & H₂SO₄ Formation • Reduces Excess Sludge Production • Minimizes Odor & Corrosion • Lowers Treatment Costs • Reduces Organic Loading • Lowers Energy Consumption in Aeration



How it Works

Ydro Process® microorganisms enhance the existing microbial community's capacity to degrade organic material in wastewater collection systems. These specialized microorganisms leverage more efficient metabolic pathways which accelerate the degradation rate and enhance biological treatment performance.

As the microbes degrade organic waste, they minimize the buildup of Fats, Oils, and Grease (FOG), which can eliminate the need for costly removal in the pipe network or lift stations.

The Sulphate Reducing Bacteria present in the Ydro Process® microorganisms prevent the formation of Hydrogen Sulfide (H_2S) and Sulphuric Acid (H_2SO_4), which leads to reduced odor, corrosion and safety hazards.

INTEGRATION OF YDRO PROCESS® IN COLLECTION SYSTEM



FEATURES OF YDRO PROCESS® MICROORGANISMS:

- Naturally occurring bacteria
- Not animal-derived
- Not genetically modified (Non-GMO)
- Non-toxic and non-pathogenic
- Population doubles every 20-minutes during maturation time
- Each gram of the product contains 1009 c.f.u.
- Transported in powder form to promote storage stability
- Easily dosed in manholes or pump stations

WHAT SETS US APART

The TradeWorks approach is holistic and preventative wastewater management. By implementing the Ydro Process®, we aim to address the source of the problem rather than mask the symptoms. Our solutions achieve long-lasting performance improvements while reducing energy usage, carbon footprint, and operating costs.

Our team understands that all systems are unique. As part of our technical support, we have the analytics capabilities and expertise to determine optimal dosing locations and dosing methods if needed for larger scale applications.