



ULTRATECH
INTERNATIONAL, INC.

Sewage and Waste Water Solutions

Ultra-Archaea microbe consortium is successfully used to treat sewage and industrial wastewater. Treatment has been used in both routine operations and maintenance by municipal and private sewage treatment plants and wastewater treatment, as well as emergency response actions to sewage and industrial spills.

The microbes can be applied directly to raw sewage spills and discharge, lagoons, lift stations and industrial waste water and sewage treatment plants. The microbes digest feces, cutting off the food supply for harmful E.coli and coliform bacteria. Additionally the archaea digest the ammonia from urine and any other hydrocarbon organics present in the solid and liquid waste.

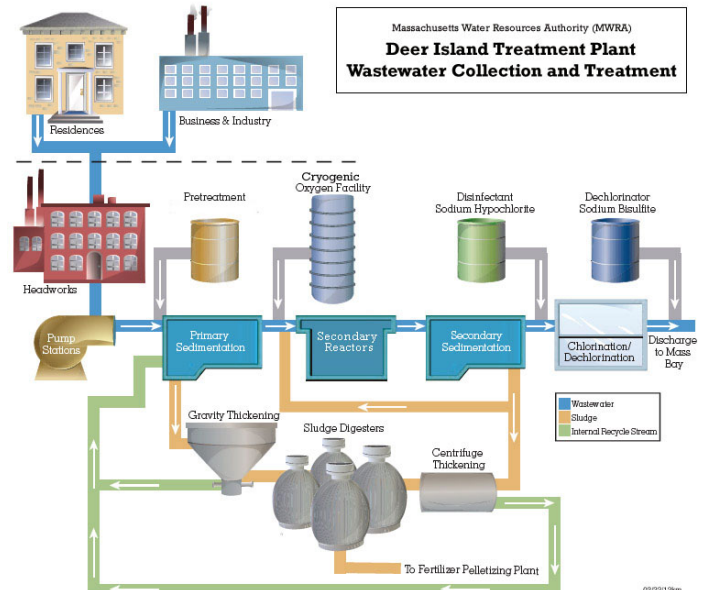
Plant efficiency often improves by 30% in a matter of days as the microbes consume the contaminants, which speeds up the processing of the sewage.

Benefits for the plant include:

- Eliminates FOG caps and unclogs lift station pumps and switches.
- Increases capacity.
- Eliminates petroleum contaminants including PAHs2.
- Reduces the work load on installed equipment.
- Minimizes equipment wear and tear.
- Extends the life span of aging plants and infrastructure.
- Helps plant exceed effluent quality standards.
- Eliminates odors.

Easy to use, proven, natural and safe.

The Ultra-Archaea consortium consists of aerobic, anaerobic and facultative anaerobic species which provide the necessary broad spectrum remediation activity required for the harsh conditions of sewer treatment plants as well as in situ raw sewage spill response. It also eliminates odor and is safe for operating machinery and discharge environments. Our archaea-based consortium can surpass both conventional procedures and other bioremediation agents that are based on bacteria, enzymes and/or fungi. The microbes are 100% natural, and are not genetically engineered or modified. They are non-toxic and non-pathogenic. With more than 25 years of documented use, the formula has been found to have no adverse or side effects, and is safe for use around humans, animals and plants. The Ultra-Archaea consortium is an easy-to-use, proven, cost-efficient and highly effective solution.



Ultra-Archaea are easy to use and are typically added to:

- Lift stations
- Influent
- Aeration tanks
- Anaerobic digesters
- Effluent pond or lagoons
- Septic tanks
- Soak pits
- Raw sewage release