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TREATMENT SYSTEM ADDITIVES

Bacterial additive products can assist in correcting a poorly operating waste water treatment system, particularly where the bacterial population in the treatment tanks has been effected by

- unsuitable operating conditions, for example poor aeration levels (once the problem has been corrected).
- or where bacterial growth has been suppressed or even eliminated, by the use of disinfectant and antibacterial products in the household. The source of and use of disinfectant etc must be removed first.
- or where the bacterial population is dominated by particular types of undesirable bacteria such as *Nocardia*, filamentous bacteria or those types common in 'sludge bulking' in Ozzi Kleen activated sludge systems.

All household wastewater treatment systems rely on beneficial bacteria to process and treat the wastewater they receive. While a bacterial additive program is not a 'magic bullet' or miracle cure, it will often assist the recovery of a system that may otherwise take many months to recover.

A bacterial additive program is best started immediately after a system has been completely pumped out. That way the new 'good' bacteria do not have to compete with a huge number of 'bad' or unsuitable/poorly performing bacteria. An additive program can be used on a system currently in use, but the additive may take longer to have an effect.

A bacterial additive program will not correct mechanical deficiencies such as poor levels of aeration or problems due to pumps or blockages where the contents of different compartments of the treatment system may have undesirably mixed together. These types of problems should be rectified before starting an additive program.

We supply two types of bacterial additive products and will use these together or separately depending on the particular requirements of the system or application.

The first of these are derived from a group of organisms named EM short for Effective Micro Organisms. Originally identified in Japan but since isolated in many other countries including Australia they include photosynthetic bacteria, lactobacillus bacteria (lactic acid producing bacteria) and yeasts. The second group of organism are imported by us under strict AQIS permit from the USA for use in bio-remediation in a range of applications including wastewater treatment. These are selected cultures of organisms targeted for specific uses for example breakdown of sewage sludge.

Please see our separate product listing for more details. Products include:

- Smellgone Grease Trap treatment, clears up smelly grease traps, commercial grease trap dosing systems also available
- Smellgone Wastewater, Septic & Greywater System Treatment, for smelly and poorly performing systems
- Catalyst Environment Compost, Waste, & Animal Manure Treatment.