



BIO-AUGMENTATION

'The strategic application of specific selected Beneficial Bacteria to the Wastewater Treatment Process'

For Earth's liquid beneficial bacteria product – **For Earth Bio®** - contains NITRIFIERS and DENITRIFIERS that are indigenous to your existing *Biomass/MLSS/Activated Sludge*.

- *Bio-augmentation ensures you have the correct bacteria being maintained within your Wastewater Treatment System.*
- *With Bio-augmentation, Plant Operators have another tool to ensure process control.*
- *Simple to apply, cost effective and **no OH&S issues**.*

APPLICATIONS – Use Simple Programmable Dosing Systems or Apply Manually

- Inlets to STPs
- Across Waste Stabilisation Ponds
- Oxidation Ponds
- Aeration Zones
- Sludge Digestors/Lagoons
- Anaerobic/Trade Waste Ponds
- Pump Stations



BENEFITS

- Improves NITRIFICATION (Ammonia Reduction) and DENITRIFICATION
- Overall improved Biological Nutrient Removal – Reduce BOD, TSS, Ammonia, TKN...
- Significantly LESS SLUDGE PRODUCTION
- Significantly LESS ODOUR
- Seed up new plants on start-up instead of trucking in activated sludge/MLSS
- Recover upset biomass/activated sludge
- Improve BNR during high flows and low retention periods
- Reduce Biological Buildup & H₂S production in Wastewater Infrastructure – Reduces Maintenance and Increases Asset Life

Application of For Earth Bio® is Highly recommended if you have any of the following issues:

- Poor quality influent due to long sewer mains causing septicity and anaerobic conditions
- Aging overloaded treatment plant
- Struggling to control Ammonia Levels
- Excessive Sludge Production
- Difficulty meeting discharge levels
- Re-use water is odorous
- Maturation/Tertiary ponds with high sludge levels

For Earth products are used by many public and private Water Corporations in NZ, Australia and South Pacific.

Visit our website www.forearth.co.nz for further details.

Contact:
Travis Standen, General Manager
E: info@forearth.co.nz
M: +64 22 140 1977

