

Pump Station Gobbler™



Proprietary biological high lipase enzyme producing treatment for pump and lift stations which rapidly digests sludge, fats, oils and greases while controlling odours. Pump lifespan is increased, while electricity, maintenance and sludge haulage costs are massively reduced.

Green Cleaning Technology:

Billions of years ago Mother Nature had already solved the problem of how to keep the Earth clean, naturally. Recent breakthroughs in science and technology have helped us to understand how this is made possible. By using the correct good or beneficial bacteria virtually any organic effluent can be safely and naturally biodegraded far quicker and more cost effectively than traditional harmful chemicals while being completely eco-friendly.

Current Challenges:

It is an industry fact that Fats, Oils and Greases (F.O.G.'s) in pump and lift stations are a severe problem. Grease obstructs floats, reduces the life of pumps, increases electricity consumption, odours are unbearable, and manual sludge removal costs are extremely high and labour intensive. Blockages

caused by grease is the most prevalent cause of main sewer line blockages and sewage overflows, costing the global industry billions annually. An interesting fact is that nearly all sewer line blockages are caused by grease, and not debris. Manual unblocking only serves to make the grease deposit temporarily transfer and then redeposit further downstream.

Conventional Solutions:

The traditional approach to the cleaning, pumping, and hauling costs of pump stations are mechanical, inefficient and cost many tens of the thousands of Rands per site on an ongoing basis, and these practices are not environmentally friendly with a very high associated carbon footprint. These measures never solve the problem, but are a temporary fix as the problems reoccur again in a very short space of time.

The Solution:

Regular automated dosing with Pump Station Gobbler™ is the proven and proactive approach to solving current challenges permanently. The product contains an industry first proprietary blend of locally cultivated specially selected Ecozyme bacteria which colonize the entire pump station and selectively secrete massive concentrations of the appropriate and required enzymes to digest *all*

the different waste types permanently into water and carbon dioxide. It also contains an Ecozyme exclusively developed system to penetrate, loosen and liquefy heavy grease deposits to rapidly aid their breakdown. These advantages then continue downstream extending to keeping sewer lines free flowing and maintenance free. These benefits then eventually manifest in the sewer plant for huge savings in the reduction of odour, sludge removal, plant maintenance, electricity consumption, machine downtime and much more.

Sewer Overflows & Spills:

When pump stations block up and raw sewerage consequently spills out into suburbs, townships, rivers and harbours, it causes a massive potential health hazard in the form of typhoid and cholera. Just by using Pump Station Gobbler™, bad pathogens are controlled through a scientific process known as Competitive Exclusion. This has a massive positive effect in mitigating the severe health risks caused by pump station overflows.

Dosing & Automation:

Pump Station Gobbler™ biological treatment is specially formulated in liquid form, to be easily and automatically dosed into the affected pump or lift station using the Ecozyme Advanced Dosing System. Use in conjunction with

Tel: 011 708 7563
Web: www.ecozyme.co.za
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EcoZyme
ENZYMES CC



Pump Station Gobbler™



Ecozyme Sewer Gobbler™ for automated dosing at sewer plants for the ultimate in bio-enzyme waste degradation.

Product Specifications:

- ✓ Cultivated from S.A. Soils
- ✓ Min. CFU Count: 7×10^9 per ml
- ✓ EDTA Free
- ✓ Eco-Choice Accredited
- ✓ Heritage Enviro Certified
- ✓ Non-toxic, non-corrosive
- ✓ Non-volatile, vapour free
- ✓ Non-oxidizing
- ✓ E-Coli, Salmonella, Coliform free
- ✓ Microbes are endotoxin free
- ✓ Non genetically modified
- ✓ Non mutagenic

Dosage Rates:

Shock Dose: 0,1% to 1% of total sludge volume (if required)

Maintenance Dose: 1 to 5L per million litres of daily flow rate

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