Odour & Corrosion Control
In Sewer Networks

MicroCat® - ANL

H₂S & Volatile fatty acids odour reduction
Reduced Corrosion

Let our bugs eat your Waste®

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Odour & Corrosion Control in Municipal Sewer Networks

Anaerobic microbial metabolisms frequently occur in sewer networks and result in odours caused by sulphur-bearing compounds. The odour causing compounds are generally known as mercaptans (organosulphur compound), volatile fatty acids and hydrogen sulphide (H₂S). Between the three hydrogen sulphide is the one creating most of the problems as beside having a bad rotten egg smell, it corrodes metals and concrete, hence reducing the life span of the network and is considered a health & safety risk for people.

Traditional methods of controlling H₂S comprise “end of pipe” filtration systems or liquid phase dosing technologies. End of pipe solutions do not address the problems created by the H₂S inside the system therefore corrosion of metalworks and concrete still occurs. Liquid phase dosing technologies require continuous dosing in order to keep H₂S under control and although the chemicals dosed are relatively inexpensive the overall annual consumption can result in a costly operation.

MicroCat®-ANL is a biological alternative for odour and corrosion control in sewer networks which can result in significant less operational costs and prolong the life span of the network. As odorous compounds in sewers and pumping stations are the results of microbial decomposition, tackling this issue in a biological manner is a sustainable and environmentally sound approach in comparison to the traditional methods. Because MicroCat®-ANL contains a mixture of microbes with different oxygen requirements, it will work in a quite diverse set of ORP conditions which typically occur in sewer networks.

MicroCat®-ANL is applied at:
- Industrial & Municipal Wastewater treatment plants
- Sewage storage tanks
- Sewer lines & Pumping Stations
- Sludge dewatering & Sludge storage
- Landfills & Composting

Advantages of MicroCat®-ANL use in Sewer Networks
- Reduced odour levels escaping the sewer network
- Reduced H₂S corrosion of metal and concrete parts
- Increased degradation of Fats, Oils & Greases in the sewer network
- Improved working conditions for maintenance crews
- Small product storage and dosing installation footprint
- Harmless product safe for humans and the environment
- Lower annual product consumption in comparison to traditional chemical liquid phase technology products hence lower annual costs

Although MicroCat®-ANL application is focused on reducing odours and corrosion, advantages in several other downstream areas, e.g. wastewater treatment plant, can be obtained. Advantages that can realize savings which can partly or even completely pay for the odour control treatment with MicroCat®-ANL.

If your sewer network experiences odour and corrosion issues than do not hesitate to contact us for a free evaluation of your system by one of our representatives.

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