



BIOREMEDIATION

Contaminated Site Treatment

Many present and former industrial sites are contaminated with tar-derived wastes from different kinds of industries. This contamination and its adverse effects is one of the major problems that environmental engineering is facing today.

In situ biological degradation, or **Bioremediation**, is a waste management strategy for treatment of soils contaminated with hydrocarbons. Bioremediation, where applicable as a waste management strategy offers a number of advantages over conventional treatment techniques in terms of its environmental friendliness and costs.

- Rapid bioremediation due to improved process control
- Eliminates noxious gas emissions
- Improved occupational health and safety requirements by enclosing toxic material
- Leachate management
- Reduction of hydrocarbon contamination to comply with government environmental standards
- Permits disposal of contaminated soil in Class II landfill



PAH contaminated soil before bioremediation



PAH contaminated soil bioremediation using the FABCOM® biosystem

THE FABCOM® BIOSYSTEM

The FABCOM® biosystem is a new and innovative approach to the biological remediation of contaminated soils. The FABCOM® system possesses two unique features:

1. A specially designed removable cover, which prevents odours and vapour emissions, eliminates weather effects and allows controlled process conditions.
2. Leachate circulation via a leachate pond.

The system in combination with METALOK™ will also manage soils contaminated with heavy metals with both processes operating simultaneously.

BENEFITS OF BIOREMEDIATION USING THE FABCOM® BIOSYSTEM