

RESIDENTS HAPPY NO MORE ODOUR

The residents of South Tacoma are very happy to have a life without odour. Living next door to a sewerage pump station has its problems especially on a warm summer night when you have people around for a BBQ when one of the guests says "what's that smell".

The recent installation of the Bioaction Odour Biofilter had an immediate result in removing the nasty and hazardous H2S odours emanating from the vacuum pump station.



Installation was completed in 2 hours after the biofilter was delivered in two parts. Normally it would be delivered as a single unit however the unit had to be transported under a low-level train bridge.

Bioaction developed their biofilter design after observing the operation of many biofilters currently installed in a variety of industrial locations. Most of these biofilters had fundamental engineering design issues as well as failing media beds.

Most biofilters use an organic media such as bark, green waste or a combination of both. The fact that these types of media compost rapidly causes the filter bed to collapse and prevent air diffusion or develop weak points where venting occurs. The Bioaction Biomedia resists composting and compaction and dramatically increases the life of the filtration. Its very large surface area promotes vigorous development of microorganisms that destroy the trapped odours.

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BIOACTION ON BOARD WITH THE EBCRC

Bioaction and the Environmental Biotechnology Cooperative Research Centre (EBCRC) have a formal cooperative agreement as part or of their Odour Control Project.

The EBCRC have been working on a research project to develop a method to stabilise living microorganisms onto Zeolite. This means that the microorganisms can live on the mineral for over 12 months. Part of the research is to find specific microorganisms for particular odour profiles.

The Odour Control Project team is represented by some of the leading microbiological researchers in the country if not the world.

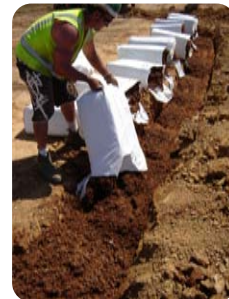
Bioaction has a licensing arrangement with the EBCRC for the application of the technology in odour biofiltration.

There are further plans afoot to scope out further research to encompass work that the company is currently engaging in wastewater treatment.

Stormwater trials commenced at Penrith Lakes

A stormwater filtration trial commenced with Penrith Lakes recently. The site had a contaminate leaching into a stormwater pit. This pit overflowed to a natural dam and the company was concerned with the potential contamination to the natural aquatic wildlife and birdlife.

The company has been involved in building filter trenches for the entrapment of hydrocarbons leaching from the mining site. The design allows hydrocarbon-laden stormwater to flow through the retention pit and filter trench where they are removed. The filter will establish naturally occurring microorganisms that will degrade the trapped hydrocarbons.



On-site filtration could save industry big bucks

Bioaction have been working on an on-site filtration system that could prove to save industry millions. It is designed to remove contaminants from wastewater that would normally be sent to a waste facility for processing. It can easily be transported to and from site and will come in various capacities to suit the application.