

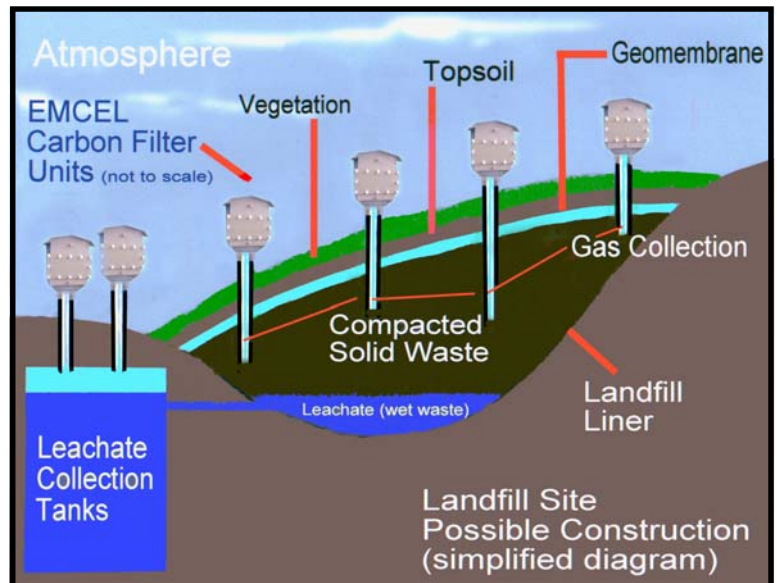
ODOUR CONTROL FILTER UNITS



For many years EMCEL Filters Ltd has manufactured and supplied activated carbon Tank Breather Filters to control the pollution effects of discharges arising from the displacement of air when filling Industrial Storage or Processing Tanks. Building on this experience, EMCEL also offers similar filters adapted to meet the specific pollution control requirements found at Landfill Sites, Sewage Treatment and Wastewater Plants.

LANDFILL SITE INSTALLATIONS

EMCEL Activated Carbon Odour Control Filters have been installed at several landfill sites in Ireland. These unique filters are mounted on the landfill vent outlet pipes to provide the natural ventilation of methane required - plus the filtration capability to remove odours, vapours and other pollutants before they are released into the environment.



Many arrangements, flanges and fixings are available to match a wide variety of vent outlet configurations.

SEWAGE TREATMENT PLANTS

When sewage pumping is in progress, foul air must be vented from the system into the atmosphere. To handle the heavy concentration and volume of contaminated air generated in the process EMCEL has developed a range of highly efficient Activated Carbon Odour Control Filters. These filters meet EPA (Environmental Protection Agency) standards and are currently in service at many sewage plants.



All EMCEL filters are designed with low maintenance in mind, long service life and easy access to carbon filter cells/cartridges when replacement is necessary.

EMCEL Activated Carbon Odour Control Filters are manufactured in a wide range of standard sizes and designs, or can be custom built to meet individual filter requirements.

The outer casings of the filters are manufactured in a variety of materials and finishes including Painted Mild Steel (Standard), Stainless Steel and Polypropylene for harsh/corrosive environments depending on application.

Both vertical and horizontal airflow discharge configurations can be accommodated, many flanges/fixings are available and the filters can be supplied with spark arrestors if required.

At the heart of the unit are replaceable activated carbon filter cells/cartridges manufactured using the patented EMCEL honeycomb matrix, which is filled with selected activated carbon granules. This honeycomb structure provides a tortuous air path through the filter to ensure maximum contact between contaminated air and the carbon.

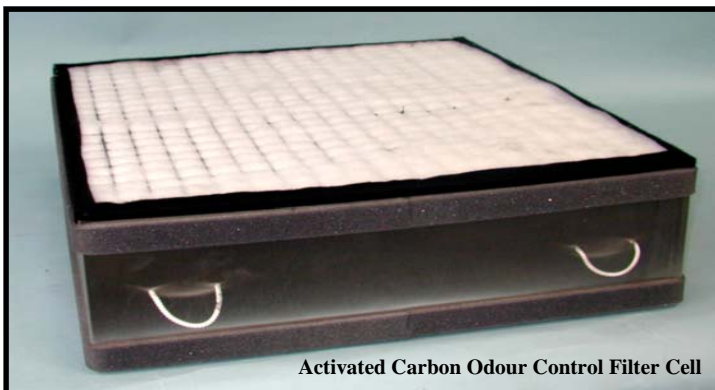
Samples of carbon can be monitored to assess filter efficiency and to predict the optimum time for cell/cartridge replacement.



Sewage/Wastewater Odour Control unit



Landfill Site Stainless Steel Odour Filter



Activated Carbon Odour Control Filter Cell

The EMCEL Technical Sales Department will be pleased to discuss and advise on the use of Activated Carbon Odour Control Filters to any given application.



Other Emcel products include:

- ◆ Activated Carbon Units
- ◆ Replacement Carbon Cells
- ◆ Particle Filters
- ◆ HEPA Filters
- ◆ Washable/Cleanable Panels
- ◆ Special Filters



Certificate No. FM 24138

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