Want to boost production but that means changing how you process effluents? Need to raise the bar to respect environmental standards? It doesn't matter if you're a business, a municipality, or a farm, BIOSOR™ is here to help. CRIQ’s exclusive biofiltration technology helps you get the results you need when it comes to cleaning up liquid and gaseous effluents.

Since 1999, CRIQ has been marketing its patented BIOSO™ procedure in Canada and Europe. The filtration procedure is part of the waste treatment chain. It is entirely organic and cleans liquids and eliminates odours.

The biofilter transforms and recycles polluting substances. It is made up of a pool with an organic bed of a mix of peat, wood chips, and bark to support the chosen micro-organisms.

Once the solid effluent has been removed by decanting or flotation, liquid effluent percolates continuously through the biofilter, gradually reducing its pollution load as it comes into contact with micro-organisms. At the same time, contaminated air can also be treated by injecting it at the biofilter base. The air then rises back up through the biofilter in the opposition direction to the percolating liquid.

The organic mix that makes up the cleaning medium must be changed after four or five years of use. It can then be buried in the ground as a nutrient-rich organic amendment.
Waste Treatment
Biofiltration

DIVERSE APPLICATIONS
- Manage all liquid pig manure problems.
- Ensure optimal wastewater treatment.
- Adequately dispose of industrial waste.
- Simplify cleaning for leachates from waste management sites.
- Efficiently treat leachates from wood waste.
- Solve problems associated with managing oily water created by replacing underground tanks or cleaning boat holds.

Simple
Imagine a single treatment (for solids and liquids) and odour control in just one step, all without the need for specialized labour! What’s more, the process is simple and easy to maintain.

Strong
The system’s cleaning power isn’t affected by changes to pollution load or temperature.

Economic
The BIOSOR™ process is inexpensive to run—it adapts easily to existing facilities, needs little maintenance, and requires only a few hours per week to run. Plus it maintains the agronomic value of a variety of effluents and you can recycle the biofilter’s organic bed recycler into a nutrient-rich amendment.

Powerful
The BIOSOR™ process removes over 90% of the pollution load and odours, eliminating risks of polluting the air, ground, water table, and water courses.

MORE THAN 90% EFFECTIVE
Data shows a reduction in the pollution load of 90% and more, depending on the parameters.

After treatment, the liquid residue has been sufficiently cleaned up to be stored and used as sour or irrigation water without risk of contaminating the water table or the ground. By adding a further biofiltration unit known as a polishing unit, the water obtained is almost clear and deodorized and meets standards for its release into the natural environment. The BIOSOR™ process eliminates some 95% of odours.