

# REMEDICATION OF PCBs



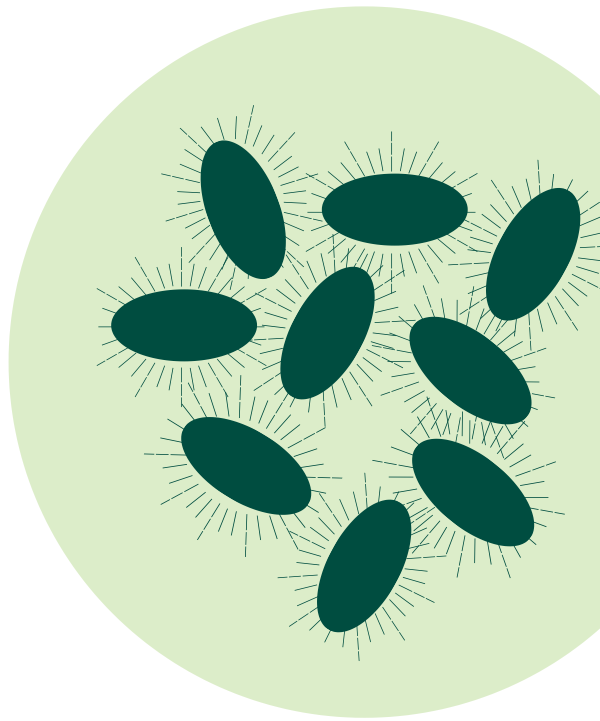
## MICROBIAL DEGRADATION

The removal of toxic waste like PCBs from soil and water through the use of microorganisms. This tactic is environmentally friendly and cost-effective.

## TYPES OF MICROBIAL DEGRADATION

**Anaerobic Degradation:** Degrades highly-chlorinated substances through the use of anaerobic bacteria, which don't need oxygen to live.

**Aerobic Biodegradation:** Degrades lower-chlorinated substances through the use of aerobic bacteria, which need oxygen to live.



## PHYTOREMEDIATION

A process which harnesses plants' natural abilities to capture and filter toxins out of soil. This process is also environmentally friendly, and it can be great for removing contamination from large surface areas. **Rhizoremediation** is often the type used for the removal of PCB from soils.

## PLANT TYPES

Grasses and legumes can be highly effective in the remediation of PCBs and toxins from soil and groundwater. Canary grasses and alfalfa are excellent choices for this process, as well as switchgrass, which is native to Ohio.

