

Landfill Leachate



Leachate from solid waste landfills is an increasing wastewater treatment issue. The leachate wastewater is usually very high in COD, BOD, and dissolved solids. Conventional biological wastewater treatment is often insufficient to treat the leachate wastewater to comply with environmental discharge regulations.

Membrane Bio-Reactor (MBR) systems from Haliant Technologies can often treat the landfill leachate wastewater enough to meet discharge requirements. In extreme cases, MBR systems can be used as pre-treatment for downstream biochemical or membrane filtration processes - especially if the water is to be reclaimed for miscellaneous use.

LANDFILL LEACHATE

Treated Water Results	Raw Water	Treated Water
Ammonia Nitrogen (NH3-N)	2,000 mg/L	< 15 mg/L
Chemical Oxygen Demand (COD)	10,000 mg/L	< 10 mg/L
Total Dissolved Solids (TDS)	15,000 mg/L	< 100 mg/L

