

AXIUM PROCESS MEMBRANE FILTRATION FOR THE TREATMENT OF LANDFILL LEACHATE

Membrane filtration is a proven technology in the treatment of landfill leachate as it can dramatically reduce the COD (-85%) and suspended solids content (-100%) typical of leachate effluent.

Meets local water discharge requirements

The process requires no dosing chemicals resulting in significant cost savings.

Suitable for sites where a small footprint is required

Available as a self-contained, mobile unit that can be transported from site to site.

Can be designed to meet specific site conditions

Ultrafiltration of leachate enables extended digestion of solids and provides a controlled discharge flow.

Waste Recycling Group are using ultrafiltration membrane technology for the treatment of their landfill leachate in North Lincolnshire

Waste Recycling Group (WRG) reviewed a number of technologies designed to treat landfill leachate which would not only meet local water discharge requirements but also increase the efficiency and effectiveness of the biological treatment system.

Axiom Process was selected to conduct a series of trials to assess the suitability of membrane technology against their specific site demands which resulted in the successful award of a £200,000 design and build contract.

This self-contained, ultrafiltration membrane plant is successfully treating 140,000 litres of landfill leachate per day at a site in North Lincolnshire.

