

Axium Process is able to offer membrane treatment of Landfill Leachate in order to provide the following benefits:

- **Reduced COD and Suspended Solids of discharged material in order to help comply with Environmental Agency or local water discharge requirements**
 - Ultra-Filtration is capable of typically reducing up to 85% of COD and removing 100% of suspended solids
- **Concentration of landfill leachate in order to reduce the quantity of material being disposed or tankered away**



Key benefits of membrane treatment over traditional DAF treatment

- **Significantly Reduced Chemical Running Costs**
 - The process requires no dosing chemicals. Axium Process has installed a UF leachate treatment plant in North Lincolnshire with significant savings when compared with DAF operation.
- **Year Round Plant Operation**
 - Axium Process is able to deliver plant installed within standard shipping containers which protects the installed pipework and instrumentation from freezing during the cold winter months
- **Reduced Man-Power for Operation**
 - Plant is designed to be fully automatic and uses state-of-the-art PLC programming in order to maintain the system within nominal operating limits. Very little manual intervention compared to DAF
- **Minimum Cleaning Time**
 - UF plant operating on Landfill Leachate would typically need cleaning for approximately one hour every 2 - 3 days.
- **Flexibility of Location and a Small Footprint**
 - The UF treatment plant can be installed in standard shipping containers, so the complete system has a compact footprint and can be easily moved if relocation is required.

Axium Process Ltd

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All data is provided in good faith and is subject to change

How Axiom Process will Support your Company



➤ A Bespoke Solution

- We will tailor a plant to suit the feed at your facility. We will not offer you an off-the-shelf design but will ensure that the system you receive works to your specifications

➤ Pilot Plant Trials

- We will run trials on your feed, either at your facility or ours, using our highly customisable pilot plants. The data we gain from these trials will ensure that we design a system that will work for your needs

➤ Full Support for the Life of the Project

- Our experienced Project Engineers will maintain a high level of involvement throughout the complete life-cycle of the project; overseeing the specification, design, build, installation and commissioning of the plant

➤ Continued Support for Maintenance and Improvement

- Our engineers will remain on-hand in order to provide continuous maintenance of the plant as well as providing ongoing improvements and assistance with any modifications that you may wish to make

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