

CASE STUDY

Municipal Sewage Treatment Plant for Wastewater Recycling



Background

A municipal sewage wastewater recycling plant in Malaysia treats and further purifies domestic wastewater for non-potable purposes such as irrigation and washing. This plant relies on various tertiary treatment processes such as ultrafiltration membrane to achieve the required final product water quality that is clean and safe for usage.

Solution

With its proven track records in wastewater recycling application, EuroTec robust, hydrophilic UF membranes are selected for the replacement of the existing UF membranes to provide consistent, high-quality filtrate with effective removal of turbidity and microorganisms for the downstream processes. EuroTec high tensile strength, elastic and chemically resistance UF membranes can withstand such kind of difficult wastewater effluent which require lesser frequent chemical cleaning is an ideal solution for the application.

Plant Location: Malaysia

Water Source: Sewage Wastewater

Application: Non-potable use (E.g., Irrigation, Washing, etc)

Operational Start Date: 2017

Replacement to EuroTec UF: 2021

UF Capacity: 3,600m³/d

ETUF Module: ETUF-8055S

No. of Modules: 64

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