

CASE STUDY

Surface Water Filtration for Potable Water Use



Background

The Cisadane river is the main source of potable water for the Gading Serpong township (21 kilometres west of Jakarta). Residents and businesses rely on local water providers to supply them with clean drinking water free from contaminants such as suspended solids, organics and especially microorganisms – bacteria and viruses.

Solution

After EuroTec ultrafiltration (UF) membranes were successfully installed in system 1 and 2 on 2019 and 2020 respectively with good performance at Summarecon Water Treatment Plant, EuroTec UF membranes (ETUF-9060R) were again selected to install for system 3 with higher capacity flow rate as the proven UF membrane technology to remove suspended solids, organics, bacteria and virus to produce up to 3.24 million litres of potable water daily for the Gading Serpong township. One of the main advantages of membrane technology is the consistency of output water quality and this is particularly crucial for drinking water. As such, EuroTec UF membrane has proven to be the ideal technical solution for this situation.

Plant Location: Indonesia

Water Source: Surface Water

Application: Potable Water

Operational Start Date: 2014

Replacement to EuroTec UF: 2022

UF Capacity: 4,320 m³/d

ETUF Module: ETUF-9060R

No. of Modules: 80 (Total)

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