

CASE STUDY

Surface Water Treatment for Pulp and Paper Process Water Use



Background

The demineralization water treatment plant in PT. Dian Swastatika Sentosa Tbk pulp and paper factory in Serang, Indonesia was built for the purpose of treating water from the nearby Ciujung River for use in the factory's power plant. The overall treatment includes processes like multi-media filtration, activated carbon filters, ultrafiltration (UF), reverse osmosis (RO) and ion-exchange.

Solution

The EuroTec UF membranes was selected after very stringent evaluation to replace their 1st train of existing 56nos of UF membranes in 2020, and after operation for over 3 years with stable and excellent performance in producing high quality filtrate (turbidity \leq 0.02 NTU, SDI \leq 3) constantly, EuroTec UF membranes are selected again to replace their 2nd train of existing 65nos of UF membranes in 2024. EuroTec UF membrane is deemed the ideal choice, meeting all the requirements as an excellent RO pre-treatment.

Plant Location: Indonesia

Water Source: Surface Water

Application: Process (Demin) Water

Replacement to EuroTec UF: 2020 and 2024

UF Capacity: 9,600 m³/d

ETUF Module: ETUF-9060F

No. of Modules: 120 (Total)

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