

CASE STUDY

Hotel Wastewater Recycling for Non-Potable Use



**Background**

Wastewater recycling for non-potable application (such as floor washing, plant watering, toilet flushing etc) is an avenue explored by some hotels and resorts to reduce reliance on the use of tap water.

The hotel management of one such resort in Koh Samui, Thailand has decided to take such an approach on recycling its wastewater treatment plant (of which ultrafiltration process is one of the key processes on removing suspended solids, microorganisms such as bacteria and virus) for the purpose of producing non-potable water for such application.

**Solution**

The EuroTec UF membranes (NSF certified) are carefully selected and installed to the UF membrane system for consistently removing virtually all suspended solids and microorganisms, supplying high quality UF filtrate, the resulting water quality meeting the establishment's non-potable water needs is an ideal solution for the application.

Plant Location: Thailand  
Water Source: Municipal Wastewater  
Application: Non-Potable  
Operational Start Date: 2021  
UF Capacity: 456 m<sup>3</sup>/d  
ETUF Module: ETUF-9060R  
No. of Modules: 10

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