

## REMOVAL OF MICROPOLLUTANTS FROM MUNICIPAL WASTEWATER AFTER BIOLOGICAL TREATMENT

### CASE STUDY



Agent for:



### THE CLIENT'S NEEDS

The customer, a wastewater treatment plant in the Netherlands, was looking for a solution to remove micropollutants from the wastewater effluent prior to discharge into an environmentally sensitive local water stream.

### OUR SOLUTION

We applied our dNF40 nanofiltration membranes directly on the wastewater after biological treatment and settling tanks. Contrary to conventional membrane processes, our process only required a strainer as pre-treatment.

### OUTCOME

Stable operation since early 2019 with a crossflow design.

### Performance Summary:

- 20 LMH flux
- 97% Rejection of Total Organic Carbon
- 80% Rejection for a cocktail of micropollutants, mainly pharmaceuticals

