



Excellence in Swedish Eco Water Technology

AQUA-Sense™ & AQUA-RENOVATE™

Pathogens & Pharmaceutical residues must be on-line monitored & removed in treated wastewater before use as reclaimed water/new water or re-cycled water.

What are Micro-pollutants:

Early Warning & Sampling System for Contamination in Water

Different pharmaceutical residues like anti-depressive, neuroleptics, sedatives, heart medicines, and cytostatic etc that humans consume, the Pathogens like bacteria, parasites and Different heavy metals, microplastics, inorganic chemical compounds comes from disintegrate, clean and not easy to treat due pollutants are very tiny, not visible to micro particles to stick to, to move forward infected Covid-19 virus particles originating pollutants in wastewater effluent which are of global concern for serious disease spreading.



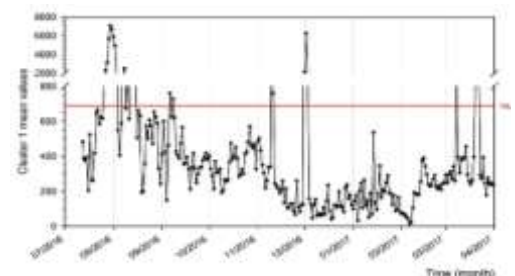
Up to date, there is no real-time quick monitoring & smart sampling system, nor any national or EU legislation to verify micro-pollutants concentration in treated wastewater and discharged to nature.

The main source of contamination comes from purified and insufficiently purified wastewater (MBR, MBBR and SBR treated effluent) both industrial, municipal and small-scale private sewage discharge. It pollutes rivers, lakes, water bodies, and coastal waters and creates potential risk of microbial contamination in drinking water, industrial water, bathing water, source water and other water applications like small- & large-scale irrigation.



Aqua-Q a Swedish innovative applied research SME developed out of its own field experience in an **EU FP-7 R3** project, 2016 a groundbreaking, market changing, cost & energy effective, environmental favourable Novel Ozone polishing process, **AQUA-RENOVATE™** which eliminates pharmaceutical rest products & pathogens (micro-pollutants) in treated wastewater discharge from MBR process effluent.

Aqua-Qs optical monitoring **AQUA-Sense™** & Ozone polishing process, **AQUA-RENOVATE™** shows that treated wastewater can be polished, below the possible present detection limit **without** GAC (granulated active carbon) or PAC (powder active carbon) filter.



Fingerpritt & sampling

