



**Ministry of Environment
of Denmark**

Department

New developments on demands on micropollutant removal in wastewater treatment

CWPharma2

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Agenda

1. Political Focus on micropollutant

- I. PFOS
- II. Hospitals
- III. Greenhouse horticulture
- IV. Microplastics

2. Water Framework Directive

3. National Strategy on Hazardous Substances

4. Urban Waste Water Treatment Directive - revision



Water Framework Directive

Good ecological and chemical status in 2027

- 85 percent of coastal water in bad chemical status
- 95 percent of coastal water in bad ecological status
- The volumen of groundwater bodies that are in poor condition due to pesticides and their degradation products has increased
- 70 percent of Lakes is in unknown condition
- 98 percent of Waterstreams is in unknown condition



National Strategy on Hazardous Substances

Knowledge

Surveillance

Source detection

Regulation



Urban Waste Water Treatment Directive

Evaluation

- The UWWTD does not target micropollutants, including pharmaceuticals and personal care products residues.
- The impacts of additional treatment to remove micropollutants needs to be considered.
- Potential effects on concentrations and loads of micropollutants (including microplastics) in sewage sludge should also receive particular attention, specifically when they are used in agriculture.

Urban Waste Water Treatment Directive - revision

Political options

Policy option 1: EU soft guidance for local response	2: Mix of policy responses Policy option	3: Centralised responses setting EU requirements
<p>Commission to provide guidance regarding micropollutants removal and monitoring the presence of microplastics in waste water and sewage sludge;</p> <p>Member States to apply a riskbased approach to reduce micropollution;</p>	<p>Member States must ensure that treatment plants >100 000 p.e. or discharging to waters-at-risk have an advanced treatment stage for micropollutants meeting EU-level set standards. Operators of remaining treatment plants must monitor effluent toxicity and treat, if necessary</p>	<p>Member States must ensure that i) treatment plants >10 000 p.e. monitor and have an advanced treatment stage for micropollutants meeting EU-level set standards</p>
<p>Commission to provide guidance regarding Extended Producer Responsibility</p> <p>Member States are encouraged to decide whether to fund upgrades of treatment plants by EPR</p>	<p>Commission to establish rules for Extended Producer Responsibility Scheme for pharmaceutical to fund upgrades of treatment plants to remove micropollutants.</p> <p>Member States must regularly submit a national investment plan to the Commission if they benefit from EU funding and/or are noncompliant;</p>	<p>Commission to establish requirements for Extended Producer Responsibility Scheme for pharmaceutical and personal care products to fund upgrades of treatment plants to remove micropollutants</p> <p>Member States must regularly submit a national investment plan to the Commission</p>





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Thank you for your attention!

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