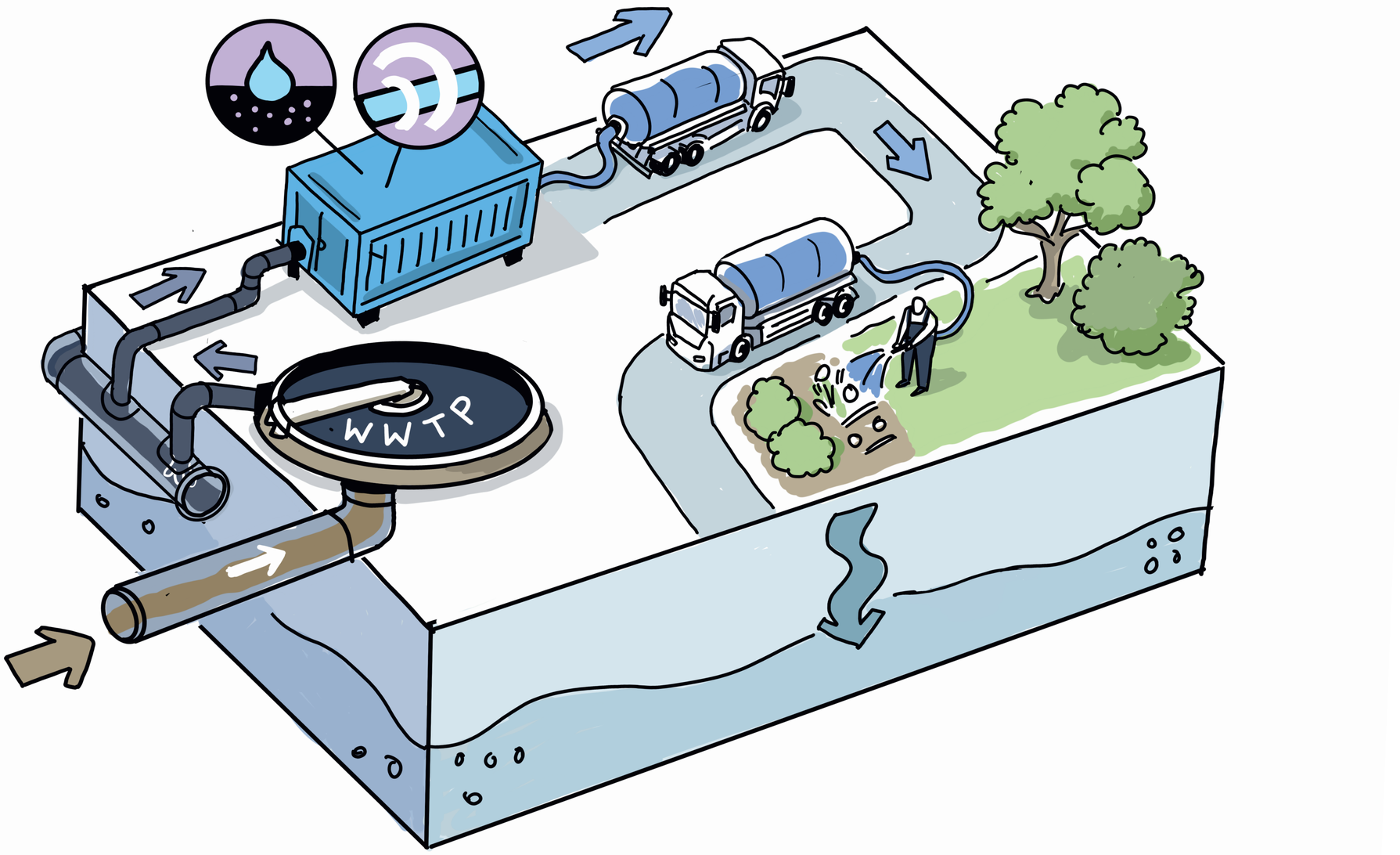
# KALMAR

## Recycling treated wastewater for irrigating green spaces

Interreg Baltic Sea Region

Co-funded by the European Union

SUSTAINABLE WATERS
WaterMan




In the City of Kalmar in south-eastern Sweden, treated wastewater effluent originating from a municipal wastewater treatment plant is disinfected by further filtration and UV light treatment and then used to water green spaces. The process: treated wastewater is pumped from the wastewater treatment plant's discharge channel into a mobile container. There, filtration and UV light are used to reduce the content of microorganisms. A mobile tanker then transports the water to the green areas, which are irrigated directly from the tanker using a hose system.

In terms of water quality, the treated and UV-disinfected water has the potential to meet the criteria for Water Class A under EU Regulation 2020/741, which would allow its use for irrigating edible crops in agriculture. While such a high standard is not technically required for watering urban green spaces, it provides a clear benefit: it helps build trust and acceptance among the operational staff and the wider public.

The system developed in Kalmar is not only functional – it is also replicable. It can now be purchased as a turnkey solution directly from the supplier, making it easier for other municipalities or water companies to adopt similar approaches.

**Type of pilot measure:** Real-world implementation

**Location:** Kalmar (Sweden)

**Water source:** Treated wastewater from discharge channel of municipal WWTP

**Type of treatment:** Disinfection by filtration and treatment with UV light

**Target water quality:** Water class A (EU Regulation 2020/741)

**Utilisation:** Irrigation of green spaces

**Return to natural cycle:** Infiltration

**Responsible:** Kalmar Municipality

**Operational & open for visitors:** Since August 2024

### Contact for on-site visits & further information:

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*The WaterMan project supports municipalities and water companies to get started with water recycling. It is co-funded by the EU within the Interreg Baltic Sea Region Programme. | interreg-baltic.eu/project/waterman/*