



**Owner:** Affärsverken, Karlskrona

**Country:** Sweden

**Type of solution:** Leachate treatment & service agreement

**Description:**

Äffärsverken in Karlskrona operates a large landfill where they discharge leachate. To do so, the leachate needs to be treated to ensure a proper quality before it is discharged into receiving waters.

The leachate treatment system must be very flexible due to the very varying flows. During periods of heavy rain, rainwater flows can be extremely high which can significantly dilute the leachate, whereas in the summertime leachate can be more concentrated due to the lower rainfall.

By combining technologies from Eden Aquatech and Aquarden Technologies it is possible to ensure that the water is purified well beyond discharge requirements. In Karlskrona this is handled by combining treatment in their leachate pond with aeration and floating biological reactors with a flocculation and flotation process. The equipment is maintained according to a service agreement by Eden Aquatech and Aquarden Technologies and is continuously monitored via online access.

**Technical details:**

- Airturbo RV2 aeration
- Floating biological reactors
- Flocculation and flotation process tailored to the specific landfill.
- Online remote surveillance

**We are experts in problematic wastewater**