

Water renovation

Kynastteich, Berlin, Germany



Bezirksamt Tempelhof-Schöneberg von Berlin
Sachgebiet Bodenschutz
<http://www.berlin.de/ba-tempelhof-schoeneberg/>

Operation

1 Park ring pond 3000 m³ with OLOID Type 400

Period

Since 08/2015

Success

Reliable odour elimination

Improved oxygenation

Ice prevention

Progress for causing the water renovation

In recent years there has been in the area of Kynast pond in the park ring Neu-Tempelhof in late summer and fall regularly lack of oxygen, discoloration and odour.

Measures

Before OLOID installation an additional water entry between 05/20/2015 and 07/15/2015 of approximately 1.176m³ was done to raise the water level. On 08/03/2015 an OLOID Type 400 was installed. During a 4-month period (until week 50) weekly visual water inspection and oxygen measurements were carried out.

Conclusion

Based on local location and design of artificial water body, for the Kynast pond arises a problematic starting situation. The high entry of biomass leads to eutrophication and subsequently induced oxygen consumption and the occurrence of putrefaction gas. Despite the unusual weather this year that occurred in October with still relatively high temperatures, critical water condition was not documented.

Beginning in January 2016 the temperatures in Berlin fell to -8 ° C. Despite the weather conditions the OLOID was in operation without interruptions and Kynast pond could be kept free of ice.

