

# Stormwater treatment biotope at wastewater treatment plant Münstedt, Germany

Owner:  
Municipality Lahstedt  
Am Breiten Tor 1  
31246 Lahstedt

Mechanical- biological treatment of  
stormwater by constructed wetlands for  
direct discharge into receiving river

Loading rate :  
67.000 m<sup>3</sup>/a from  
48 ha paved areas

Planning: 1999 – 2000  
Construction: 2001

Treatment plant:  
- Trickling filter

Treatment of stormwater:  
- Overflow structure with pumpstation  
- Sedimentation and storage pond  
- vertical reed bed treatment system

Space requirement:  
- 6000 m<sup>2</sup>

Special features:  
- Floating island  
- Ultrasonic- and PLC-operated  
inflow and pile up  
- Ultrasonic outflow measurement



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