

# Reed Planted Sludge Dewatering Beds

## Wastewater treatment plant Groß Lafferde

Municipality Ilsede  
Lower Saxony, Germany

Sewage sludge dewatering and  
mineralization in constructed wetlands

Design: 2002  
Construction: 2006



Total area:  
6.655 m<sup>2</sup>

Area of the reed beds:  
6 basins a 590 m<sup>2</sup>

Maximum sludge height:  
1,75 m

Storage volume for sewage sludge:  
5.000 m<sup>3</sup>

Application volume of secondary sludge with 5% dried solids:  
2.400 m<sup>3</sup>/a

