Treatment wetlands for sewage sludge dewatering and mineralization at Shenyang, China

client:

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Planning & Design Institute of Hunnan New District, Shenyang, China

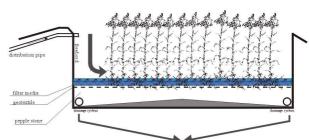
Primary sludge treatment from a reed bed treatment system at Hunnan New District.

Population equivalent: 6000 PE

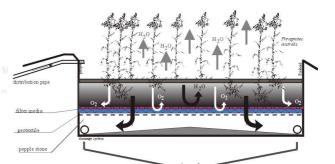
Planning: 03 – 05/2003 Construction: 05 – 10/2003

Space requirement: - 7,500 m² (total area)

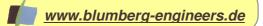
Domestic sludge is dispersed onto reed beds. The reed plants grow through the overlying sludge and develop numerous roots into the substrate.



seepage water to sewage treatment plant



This leads to a forced dewatering and mineralization of the sludge (> 40 % dry matter content).



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