

## Reed Planted Sludge Dewatering Beds

## Sewage treatment plant

## **Hunnan New District**

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

Primary sludge treatment of a sewage treatment plant (reed bed treatment system).

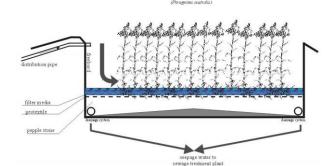
Population equivalent: 6000 PE

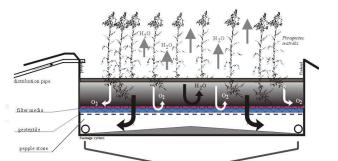
Planning: 03 – 05/2003 Construction: 05 – 10/2003

Space requirement: - 7,500 m<sup>2</sup>

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







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

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