

Reed Planted Sludge Dewatering Beds

Sewage treatment plant

Hunnan New District

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

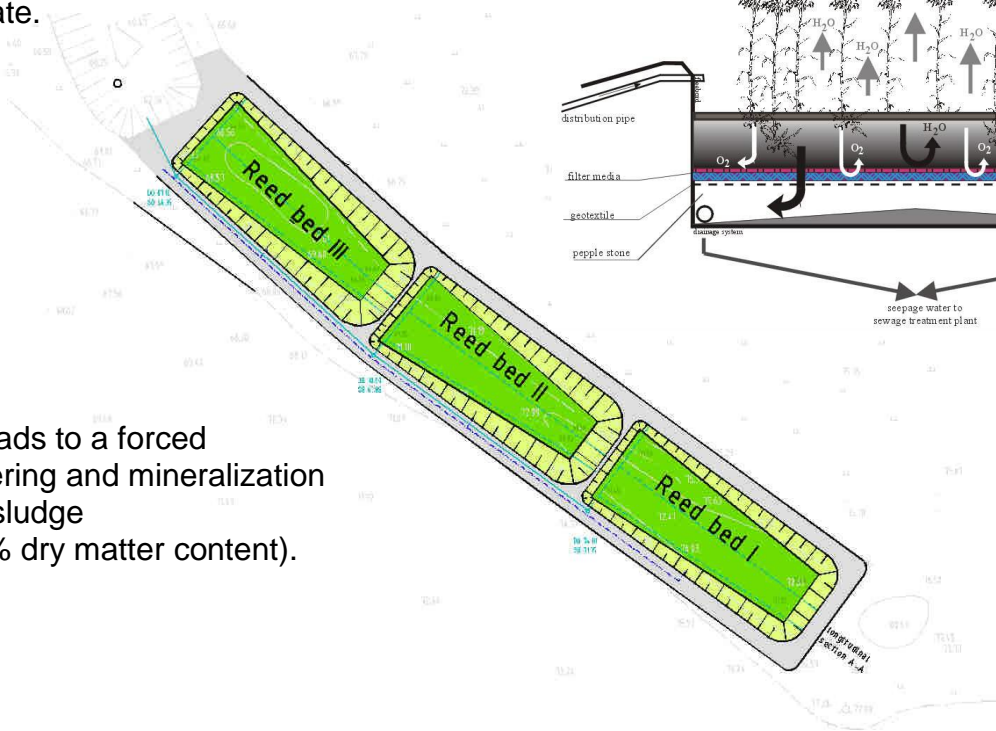
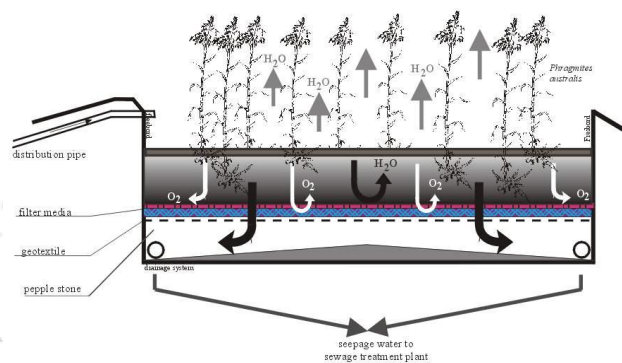
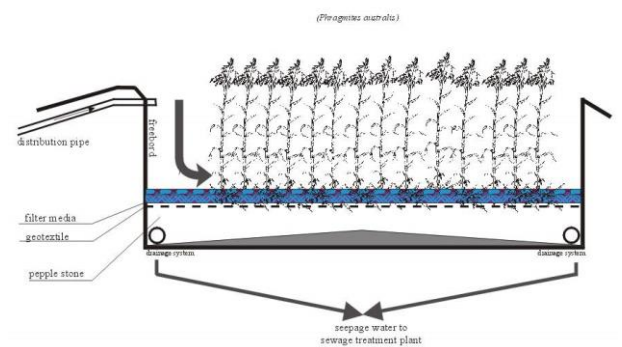
Primary sludge treatment of a
sewage treatment plant (reed
bed treatment system).

Population equivalent:
6000 PE

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

Space requirement:
- 7,500 m²

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).