

Reed Bed Treatment System

Wetland Restoration Project for wildlife protection

Owner:
Momoge National Nature Protection
Area Management Bureau
Jilin province, China

Treatment of polluted rice field irrigation water by constructed wetlands and restoration of natural wetlands

Planning and design, construction supervision:
Blumberg Engineers, Germany and
Landcity International, China

Daily wastewater volume: 50.000 m³/d
Discharge only from April up to October

Total design area: 681 ha

Planning and Design: 2011

Constructed wetlands (horizontal flow): 110 ha

Artificial Lake area: 40 ha

Restoration of natural wetlands : 446 ha

Final evaporation area (salt pan): 85 ha

Special features:

- Cold winters (-30°C)
- High salinity of soils, no recipient,
high diversity of waterfowl.

