

Xiyang Village constructed wetland in Suzhou, China

Lotus Island Ecological Treatment Wetland Yangchen Lake, Suzhou Xiyang Village

Owner:
Local government,
Jiangsu province, China

Domestic wastewater treatment from a
village with seasonal tourist influence.

Start of operation: 2010
Capacity: 120 m³/d

Vertical subsurface flow constructed wetland:
1200 m²
Horizontal subsurface flow constructed wetland:
400 m²
Sewage sludge reed bed: 200 m²

Design:
The sewage treatment plant consists
of two vertical flow constructed
wetlands, a horizontal flow
constructed wetland, a reed bed
sludge treatment basin, a septic tank,
a riparian wetland, an artificial island
and the water exit into Yangchen Hu.



Treatment efficiency:

Unit (mg/l)	COD	BOD5	SS
Inflow	96	40	27
Outflow ST	64	28	24
Outflow VF	20	6	12
Outflow (after HF)	16	2	9
Efficiency (%)	83	96	67

