

# 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 m<sup>3</sup>/d

Vertical subsurface flow constructed wetland: 1200 m<sup>2</sup>  
Horizontal subsurface flow constructed wetland: 400 m<sup>2</sup>  
Sewage sludge reed bed: 200 m<sup>2</sup>

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



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