

Treatment wetlands cascade for industrial wastewater at Wetland Treatment Center of Advanced Materials Changshu Industrial Park, China

Owner:
Changshu Industrial Park Administration,
Jiangsu province, China

Industrial wastewater treatment.
Protection of the Yangtze river water environment.

Planning and design, tendering,
construction supervision:
Blumberg Engineers, Germany and
two German partners with DeHua
Eco Tech, China

Daily wastewater volume: 4000 m³/d

Planning: Since November 2010
Construction: Start of construction in
January 2012

Total area of wetland centre: 6 ha

Treatment facilities

1.step:

Vertical subsurface flow constructed wetlands:
20.000 m²

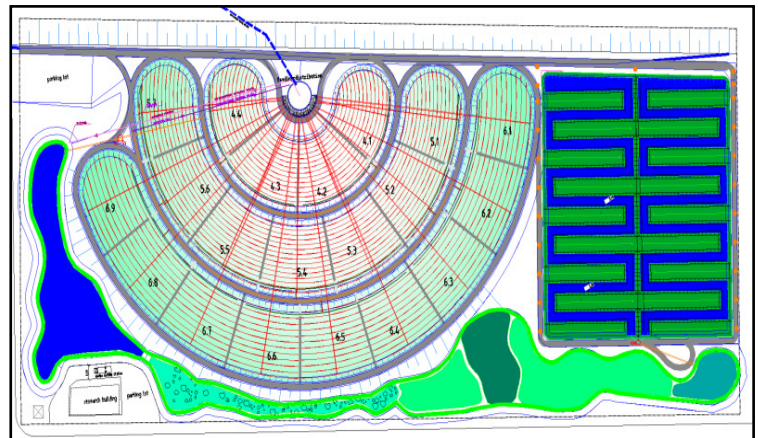
2.step:

Pond cascade:

- Deep pond: 2.652 m²
- Rocky creek: 1.064 m²
- Shallow surface flow wetland: 4.019 m²

3.step:

Horizontal subsurface flow constructed wetlands:
10.062 m²



Special features:

- Reuse of effluent as process water within the industrial park.
- High salinity and fluoride content of the wastewater.

