

**Case Study**

**Municipal Wastewater Treatment  
(Taizhou Baimi Town Industrial Park Project)**

Most of the wastewater in the park is directly discharged by enterprises or reaches the discharge standard after treatment by enterprises. The water quality changes greatly, and the water inflow is greatly affected by the production and drainage cycle of enterprises. In general, there are many refractory substances in the water, complex components, poor biodegradability, and high requirements for the impact load resistance of the system.

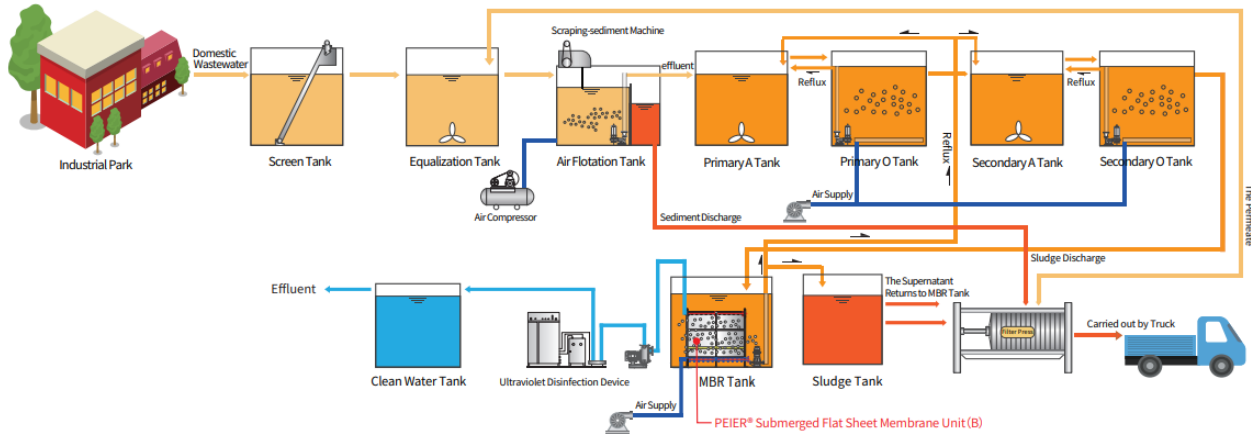


**1. Outline of the Facility**

<b>Location</b>	Taizhou Baimi Town Industrial Park
<b>Type of Wastewater</b>	Municipal Wastewater
<b>Flow</b>	4800m <sup>3</sup> /D
<b>Commissioned</b>	Since Oct.,2021 ( Peier MBR)

## 2. MBR Process Flow Sheet

Process Flow Chart of Wastewater Treatment  
(Taizhou Baimi Town Industrial Park Project)



## 3. Design Parameter and Actual Data

Type	Parameter	Influent	Design	Actual	Capacity m <sup>3</sup> /D
Municipal Wastewater	COD <sub>Cr</sub> (mg/L)	≤450	≤50	40	≤4800
	BOD <sub>5</sub> (mg/L)	≤280	≤10	8	
	SS (mg/L)	≤280	≤10	2.5	
	Ammonia Nitrogen (mg/L)	≤60	≤15	3	
	pH	6~9	6~9	6~8	
	TP	≤8	≤0.5	0.4	
	TN	≤80	≤15	8	

"Design" values of effluent are regulatory limits. "Actual" values are average values.

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