





Comprising two sections - the East Line and West Line - it provides sewage treatment to a 2,009-hectare area encompassing all of Kawasaki ku and part of Saiwai ku and Nakahara ku, excluding

The West Line Wastewater Treatment Plant – which began operation in 1961 and began to undergo reconstruction in FY 2003 to replace aging infinistructure – provides advanced processing with the goal of improving the Tokyo Bay environment. The renovated facilities started operation in FY 2019 with improved energy efficiency and various updated environmental technologies ensuring effective use of renewable energy and conservation of seources.

In addition, the entrance to the Iriezaki Wastewater Treatment Plant was constructed near the

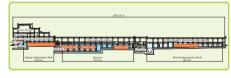
Daishigawara Storage Tunnel Pumping Station, which is the end point of Daishigawara Storage Tunnel.

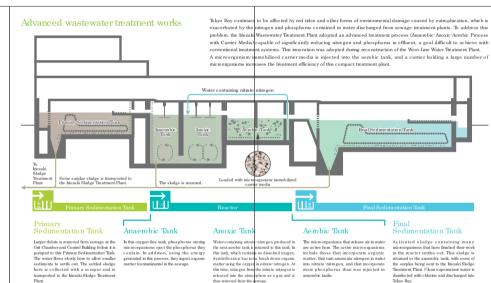


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Main pumps	Vertical shaft spiral mixed flow pump 500 mm \times 55 m/min \times 5 units	
Primary Sedimentation Tank	W 9.0 m \times L 36.0 m \times H 3.0 m \times 8 tanks	(Precipitation time): 1.45 hour
Reactor	(Advanced wastewater twatment) Anaerobic-Anoxic-Aerobic Process with Carrier Media	
	Anaembic tank W 9.3 m × L 7.0 m × H 10.0 m × 8 tanks	(Reaction time): 1.0 hours
	Anoxic tank W 9.5 m × L 38.1 m × H 10.0 m × 8 tanks	(Reaction time): 5.5 hours
	Aearbic tank W 9.5 m × L 36.4 m × H 6.0 m × 8 tanks	(Reaction time): 3.0 hours
Final Sedimentation Tank	W 9.0 m \times L 90.0 m \times H 3.5 m \times 8 tanks	(Precipitation time): 4.2 hours
Blowers	Floating shaft turbo blowers – Blowing capacity: 165 m $^{9} \rm{min}$ (output 250 kW) \times 5 units	
Deodorization equipment	Biological deodorizing device 220 m ³ min × 4 units	
Small-scale hydroelectric generator	Micro tubular water turbine	
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Profile view





Energy-efficiency measures

Floating-shaft turbo blowers

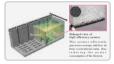
The blower that sends air to the reactor is a floating shaft turbo blower that generates little heat and requires no cooling water

Also (permanent magnet)

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High-efficiency aemtor

The aerobic tank adopts a high-efficiency aemtor that supplies air efficiently with air bubbles finer than a conventional device produces. It is designed to consume less electric nower than a blower.



Effective use of renewable energy

Small-scale hydroelectric generation & Solar power generation

A small-scale hydrochetric generator uses the available head of treated water as it flows in the effluent water way from the Final Sedimentation Tank. In addition, the mod of the Grit Chamber and Control Building holds a solar power generation system. Some of the electric power generated by these systems is consumed within the kizzaki Wastewater Theatment Plant.



Effective use of resources

Regenerated water cleaned with this advanced treatment system is used for toilets at the center. It is also used efficiently at Kawasaki Zero Emissions Industrial Park and bus depot.



"WAKU WAKU AQUA" Waterworks Public Relations

We have established a public relations feature at the liezaki Wastewater Reatment Plant to enable visitos to explore a tour route through our seldom seen sewerage system. Video, sound, and virtual as well

