

## Water Management

The Company realizes the risk of water resources that may affect the business operation in the future due to water resources are the main raw materials for producing tap water. The Company is committed to participate in the conservation of water resources and driving operations towards the Sustainable Development Goals (SDGs) No. 6 “**Water availability and sanitation management for sustainability**” by promoting the use of water resources wisely to reduce water shortages that may arise in the future.

### Goals for the year 2024

Shall not exceed 1.04 m <sup>3</sup> /m <sup>3</sup> (distributed tap water)	Shall not less than 2%	Shall not exceed 4%	100%
Raw water consumption ratio per unit of product	Reused water ratio	Water leakage in the production process	Discharged water quality shall comply with legal standards

### Key changes and developments regarding the review of policies, practices, and water management through the past year

The Company has revised the quality and environmental policy of TTW Public Company Limited by adding a policy on the procurement of environmentally friendly products and services. This was presented to the Management Representative of the ISO 9001 Quality Management System and the ISO 14001 Environmental Management System and was officially announced on August 23, 2024

### Utilizing water from diverse sources

#### 1. Utilizing water from natural sources

All the Company's tap water production plants use two surface water sources in the tap water production process : the Tha Chin River and the Chao Phraya River.

To the most using water resources serve the corporate goals, therefore, the company has designed tap water producing system with the most efficiency water recycling in the production process by adhering **Water Discharge Minimization** and **Production Loss**. The sludge collection system was designed to separate the water from the sludge returning to the tap water system again, thus water from the sludge removal system or the water back wash the sand filter tank will not be wasted. The procedures are as follows :

Sludge Balancing Tank	Wash Water Tank	Sludge Dewatering
Which serves to receive Sludge generated by the Clarifier, the sludge collected in the pond is pumped to the Sludge Thickener Tank.	Which serves to receive water and sludge from the Back Wash of the filter system, in this section; clear water separated from the sludge is pumped back into the tap water system to maximize the reuse of water, known as “Recovery Water”. The sludge will be pumped through a pump into the Sludge Thickener Tank.	The final system for removing water from Sludge to make the sludge as dry as possible, this include Recovery Water is back to production again.

## 2. Utilizing water from tap water

The tap water production plant and the Company's head office have exclusively utilized tap water for business operations from 2019 to 2024 (As a tap water production business, the Company does not source tap water from external providers)

### Project to reduce water loss in office

The company has created a project to reduce water loss in office. To reduce the amount of water used that is not beneficial, such as using water unnecessarily. Water leaks from damaged equipment and create awareness of economical water use among company employees. The operating results are as follows :

Unit : m<sup>3</sup>

Year	2021	2022	2023	2024	Percent (+/-)
Water consumption	132,575	17,130	5,392	7,079	+ 31.29%

**Summary :** the amount of tap water used in the office in 2024 increased by 31.29 percent because detected water leak in pipe system and the company completed the renovation in September 2024.

---

## Discharging wastewater into natural sources

The Company upholds its social responsibility and prioritizes environmental stewardship by implementing measures to ensure wastewater released into public water sources or the surrounding environment complies with legal standards.

Maximizing water reuse efficiency in the production process, the Company adheres to the principle of Water Discharge Minimization, preventing any water loss, whether it originates from the sludge removal system or the backwashing process of sand filter tanks. To achieve this, a system has been designed to collect sludge generated during tap water production, separating water from the sludge for recycling back into the production system.

Recognizing water's vital importance for all life forms and its role in tap water production, the Company is committed to preventing pollution or degradation of water resources resulting from its business activities. Consequently, strict adherence to relevant laws is ensured. The Company categorizes wastewater into two types : office water use wastewater and wastewater from other activities within the water production plant. An annual plan is in place to conduct quality checks on wastewater before its release into the environment.

Results of the inspection and analysis of wastewater quality at Bang Len Water Treatment Plant, Krathum Baen Water Treatment Plant and Pathum Thani water Treatment plant Passed the standard values for analysis according to the announcement of the Ministry of Industry on setting standards for controlling wastewater drainage from factories. By virtue of Section 14 of the Ministerial Regulation No. 2 (B.E. 2535) issued in accordance with the Factory Act B.E. 2535, published in the Thai government gazette, Volume 134, Special Section 153 Ngor, on June 7, 2017.