



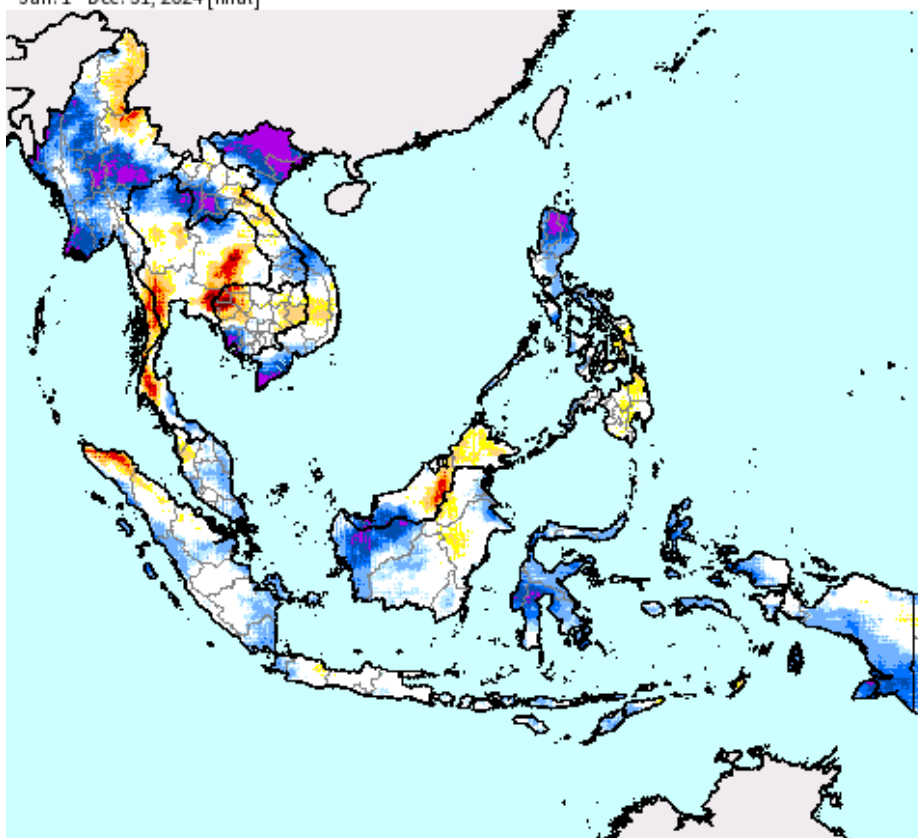
Water Resource Management

1. Water Situation in the Company's Region

Based on the analysis of drought severity using the Standardized Precipitation Index (SPI) by USDA, the overall situation for Samut Prakan Province in 2024, where the company is located, shows that it is not experiencing drought conditions. This is referenced from the "Thailand Water Situation Report 2024" prepared by the National Hydroinformatics Data Center.

SPI 12-Month Drought Severity (CHIRPS)

Jan. 1 - Dec. 31, 2024 [final]



Drought Severity

- D0: Abnormally Dry (-0.5 to -0.7)
- D1: Moderate Drought (-0.8 to -1.2)
- D2: Severe Drought (-1.3 to -1.5)
- D3: Extreme Drought (-1.6 to -1.9)
- D4: Exceptional Drought (-2.0 or less)

Wet Conditions

- W0: Abnormally Wet
- W1: Moderate Wet
- W2: Severe Wet
- W3: Extreme Wet
- W4: Exceptional Wet

Source: UCSB, Climate Hazards Center



2. Water Management

Applied DB Public Company Limited's water management report data comprises water consumption volume and wastewater discharge volume, as follows:

2.1 Water Consumption

Water consumption refers to the volume of water drawn from various sources for use within Applied DB Public Company Limited. Our primary water source is tap water supplied by the Bangpoo Industrial Estate. The majority of our water usage—more than 80% of the total volume—is for employee consumption (domestic and drinking purposes). The remaining 20% is allocated to fire suppression system testing, production cooling systems, and quality testing and experimentation, all of which utilize recirculating water systems.

For 2024, Applied DB Public Company Limited implemented the following water management plans:

1. Assigned Responsibility and Reporting: The company clearly designated the Environmental Officer to oversee, collect, and report monthly water usage data. This role also includes monitoring and tracking any issues related to the company's wastewater management system.
 2. Regular Performance Review Meetings: Monthly meetings are held to report on water usage and management performance. These reports are integrated with other environmental management updates from the 5S sub-committee and presented to management review meetings as part of the company's ISO 14001 system.
 3. Cross-Departmental Collaboration for Efficiency: Meetings are conducted with departments/sections/units that use water in their processes to identify ways to conserve water, reduce waste, and integrate efficient water usage practices.
- 3.1 Water use in cooling systems: Collaboration with Production and Maintenance departments.



3.2 Water use in cooling systems for quality control: Collaboration with the Quality Assurance department.

3.3 Water use in fire suppression systems: Collaboration with the Safety Unit for system testing.

3.4 Water conservation and measures in the office: Collaboration with the Administration department.

4. Promoting Water Conservation: Campaigns are conducted to encourage water conservation during washing and cleaning. Necessary or damaged equipment is replaced with water-efficient models.

Applied DB Public Company Limited set a target to reduce its total water consumption in 2024 by more than 5% (1,417.721 cubic meters) compared to the baseline year (2022). Following the implementation of these plans in 2024, the company successfully reduced water consumption by 2,628.42 cubic meters from 2022 levels, achieving a reduction rate of 9.26%, which significantly exceeded the set target.

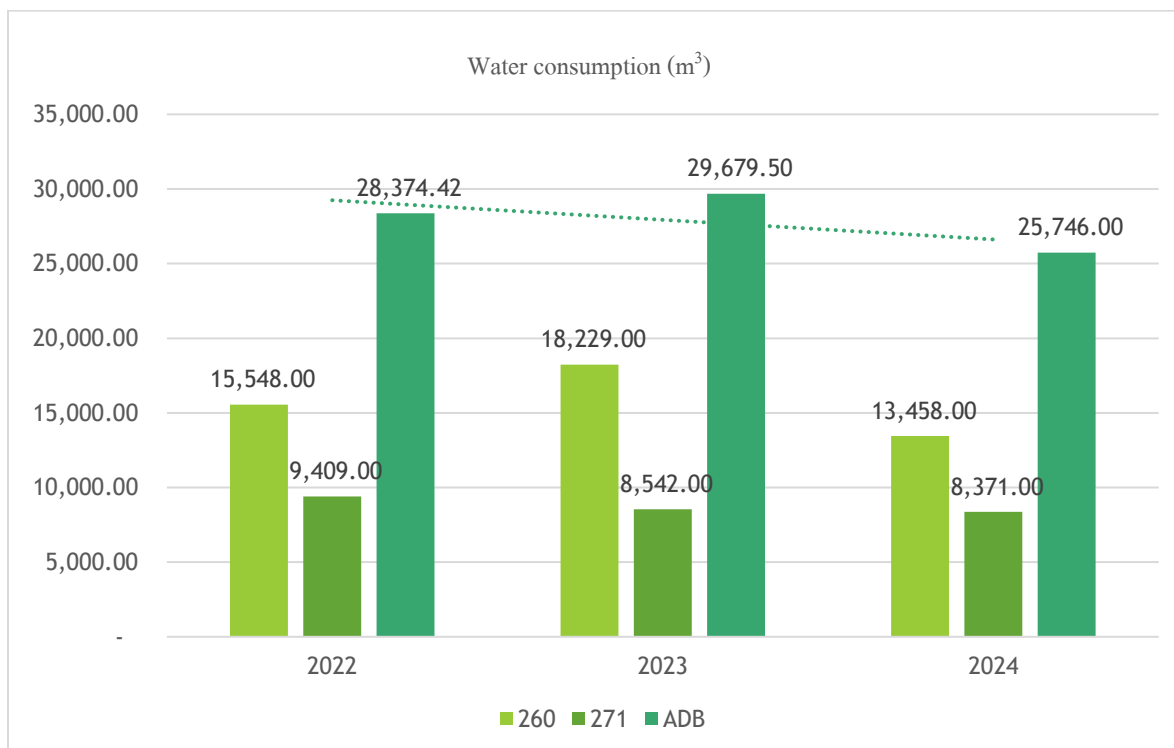
Table 1: Company's Water Consumption Over the Past 3 Years

Details	Year		
	2022	2023	2024
Total Water Consumption (m ³)	28,374.42	29,679.50	25,746.00
Water Consumption of the factory 260 (m ³)	15,548.00	18,229.00	13,458.00
Water Consumption of the factory 271 (m ³)	9,409.00	8,542.00	8,371.00
Volume of Water from Tap Water or Other Organizations (m ³)	28,374.42	29,679.50	25,746.00
Surface Water Consumption (m ³)	0.00	0.00	0.00
Groundwater Consumption (m ³)	0.00	0.00	0.00
Seawater Consumption (m ³)	0.00	0.00	0.00
Water Consumption from Production Process (m ³)	0.00	0.00	0.00
Recycled Water Consumption (m ³)	0.00	0.00	0.00
Ratio of Total Water Consumption per Total Employees (m / person/ year)	0.01	0.02	0.03



Details	Year		
	2022	2023	2024
Water Consumption Reduction Compared to Baseline Year 2022			
Overall Water Consumption Reduced by 5% (Total)			
- Reduced Consumption Volume (m ³)	0.00	-1,305.08	2,628.42
- Percentage of Reduced Consumption (%)	0.00	-4.60%	9.26%
Water Consumption Reduction, Factory 260			
- Reduced Consumption Volume (m ³)	0.00	-2,681.00	2,090.00
- Percentage of Reduced Consumption (%)	0.00	-17%	13%
Water Consumption Reduction, Factory 271			
- Reduced Consumption Volume (m ³)	0.00	867.00	171.00
- Percentage of Reduced Consumption (%)	0.00	9%	2%

Additional information: (*) Negative difference means water usage is lower than the set target, and positive difference means water usage is higher than the set target.





2.2 Wastewater Discharge

Wastewater discharge refers to the volume of water released externally to various water sources. Wastewater discharged from our company flows into the central wastewater treatment system of Bang Pu Industrial Estate. The Industrial Estate then treats and discharges the water from the Bang Pu Industrial Estate area, which can be released from the northern and eastern sides. Water from the northern side is discharged into Khlong Hok Suan, and from the eastern side into Khlong Lam Salad.

Additionally, the quality of the wastewater discharged from the company is regularly monitored and reported. Key parameters checked include Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD), and pH. These are measured in accordance with the standards set by the Industrial Estate Authority of Thailand (IEAT) Announcement No. 029/2567, regarding General Standards for Wastewater Discharge into the Central Wastewater Treatment System in Industrial Estates.

Table 2: Company's Wastewater Discharge Over the Past 3 Years

Details	Year		
	2022	2023	2024
Total Wastewater Discharge (m ³)	22,699.54	23,743.60	20,596.80
- Factory 260	12,438.4	14,583.2	10,766.4
- Factory 271	7,527.2	6,833.6	6,696.8
Volume of Wastewater Discharged to Other Organizations (m ³)	22,699.54	23,743.60	20,596.80
- Factory 260	15,548	18,229	13,458
- Factory 271	8,689	8,542	8,371
Volume of Wastewater Discharged to Surface Water Bodies (m ³)	0.00	0.00	0.00
Volume of Wastewater Discharged to Groundwater (m ³)	0.00	0.00	0.00
Volume of Wastewater Discharged to Sea (m ³)	0.00	0.00	0.00



Table 3: Company's Wastewater Quality Over the Past 3 Years

Wastewater Quality	Standards	Year		
		2022	2023	2024
Biological Oxygen Demand (BOD) mg/l	500			
- Factory 260		105.88	159.08	144.55
- Factory 271		35.13	51.46	64.92
Chemical Oxygen Demand (COD) mg/l	750			
- Factory 260		221.87	320.75	259.84
- Factory 271		76.15	109.05	127.58
PH	5.5-9.0			
- Factory 260		6.88	6.88	6.69
- Factory 271		6.88	6.96	6.88

