

## Wastewater Management

### Commitment and Goals

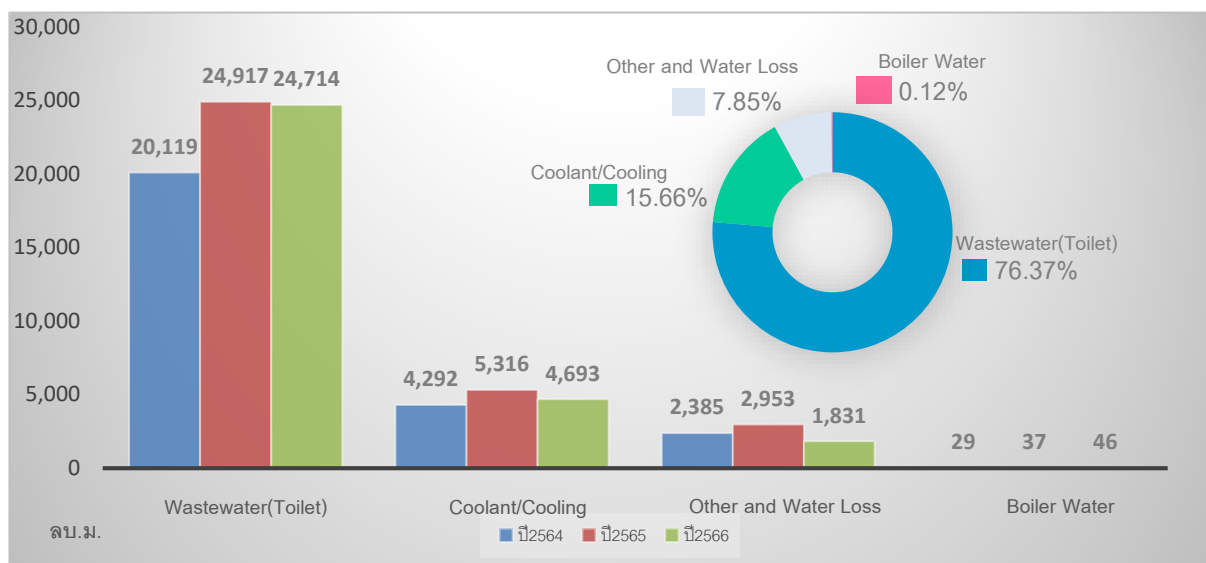
Thai Wacoal is located in an area with surrounding communities, so it is aware of the impact of wastewater discharge from the company's processes and activities. Before discharging wastewater into public canals, the water must be treated to meet the standards set by law, which reflects the company's ongoing commitment to environmental responsibility. The goal is to avoid any complaints from the surrounding communities regarding wastewater discharge.

### Management Approach

The company has installed a total of four effective wastewater treatment systems, which are regularly maintained and inspected. Environmental staff of the company measure the wastewater quality to assess the performance of the treatment systems. Additionally, certified external agencies conduct regular measurements to confirm the efficiency of the treatment systems, ensuring that the discharged wastewater meets legal standards and does not adversely affect the surrounding communities or other stakeholders involved

### Performance Results

From wastewater management, the results of the organization's wastewater quality analysis over the past three years (2021-2023) have consistently met the legal standards. The total amount of wastewater generated was 91,333 cubic meters, with the majority, 69,751 cubic meters (76.37%), coming from restroom wastewater. The next largest source was cooling water, at 14,300 cubic meters (15.66%), followed by wastewater from other activities, water loss, and boiler wastewater, respectively. Over the three-year period, wastewater quality analysis results consistently met the legal criteria.



## **The results of the wastewater quality measurements**

From the results of wastewater measurements at all four points within the company's premises, it was found that all values met the legal standards, with no impact on the surrounding environment or communities. In 2021, 2022, and 2023, the company did not receive any environmental complaints from stakeholders.

Details	Unit	Point at 1 Building facade 1			Point at 2 Building facade 6			Point at 3 Building side 3			Point at 4 Building rear 3			Legal standards
		Y 64	Y 65	Y 66	Y 64	Y 65	Y 66	Y 64	Y 65	Y 66	Y 64	Y 65	Y 66	
1. pH value	pH	7.2	7.3	7.2	7.7	7.8	7.4	7.7	6.9	7.2	7.9	7.8	7.4	5.5 – 9.0
2. Chemical Oxygen Demand (COD)	mg/L	48	43	40.0	40	47	40.0	40	40	40.0	40	41	40.0	≤ 120
3. Color of wastewater (COL)	ADMI	120.5 9	121. 4	73.5	61.2 5	85.6	49.1	66.8 9	49.8	32.9	49.2 6	61.3	43.2	< 300
4. Organic nitrogen and ammonia nitrogen (TKN)	mg/L	13.26	12	14.3	24.5 8	37	43.1	25.5 5	7	13.4	24.9 0	23	38.0	≤ 100
5. Soluble solids (TDS)	mg/L	460	520	347. 7	208	388	260. 0	346	347	243. 3	235	322	221. 0	≤ 3,000
6. Oil & Grease	mg/L	< 2.0	2	2.0	< 2.0	2	2.0	< 2.0	2	2.0	< 2.0	2	2.0	≤ 5
7. Suspended solids (SS)	mg/L	10	10	10.0	10	10	10.3	10	12	12.7	10	10	10.0	≤ 50
8. Biochemical Oxygen Demand (BOD)	mg/L	2	9	10.7	6	7	6.7	7	4	7.0	4	5	4.7	≤ 20
9. Water temperature	°C	29	29.9	25.7	30	30.6	25.6	30	32.6	26.0	30	32.6	25.8	≤ 40