Management of Waste Water

Commitment and Goals

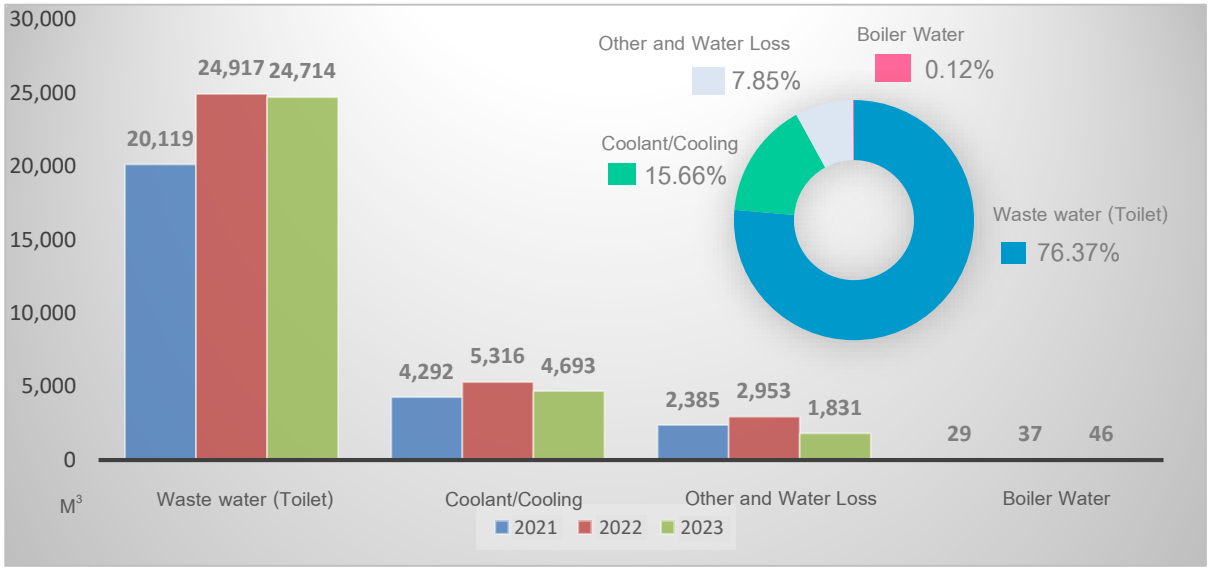
Thai Wacoal locates in the areas surrounded by communities, the company then has been aware of the effect of waster water draining emerged by processes and activities of the company. Before draining into public water sources, there should be water treatment to make the waste water meeting the standards as required by laws. This is the environment accountability that the company has continuously conducted with the goal **"No complain for waste water draining from surrounding communities".**

Management Strategies

The company has installed 4 efficient waste water treatment systems with regular maintenance and condition inspection of the treatment system as well as waste water measurement by the environmental staff of the company to inspect the working efficiency of the treatment system and there are also the external agencies certifying the waste water measurement in regular basis in order to verify the working efficiency of the treatment system to assure the irrigation of waste water to public water source that adhering to laws and have no adversary environmental impact to neighboring communities or other relating stakeholders.

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 waste water measurement

According to the waste water measurement in 4 points in the company's areas, it was found that all measurement result conformed to the standards required by laws which had non adversary impact against environment and neighboring communities and in 2021, 2022, and 2023, the company had no complaint concerning environmental issue from relating party.

Details	Unit	Point 1 In front of Building 1			Point 2 In front of Building 6			Point 3 Side of Building 3			Point 4 Behind Building 3			Legal standards
		21	22	23	21	22	23	21	22	23	21	22	23	
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 in Waste water (COL)	ADMI	120.59	121.4	73.5	61.25	85.6	49.1	66.89	49.8	32.9	49.26	61.3	43.2	<300
4.Organic Nitrogen and Ammonia Nitrogen (TKN)	mg./L	13.26	12	14.3	24.58	37	43.1	25.55	7	13.4	24.90	23	38.0	≤100
5.Total Dissolved 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