

Environmental performance report (the raw water business)

Overview of Environmental Management	Data	Unit	2022	2023	2024	2025
	Environmental Legal Compliance and ISO 14001 Conformance					
	The number of incidents of non-compliance with water quality/quantity permits, standards and regulations	Number	0	0	0	0
	Total costs of environmental fines and penalties during financial year	Baht	N/A	N/A	N/A	0
	Percentage of sites covered by recognized environmental management systems such as ISO14001 or EMAS	percent	31.00	31.00	31.00	31.00

GRI	Data	Unit	2022	2023	2024	2025
302 (2016)	Energy consumption					
302-1 (2016)	Total energy consumption data	gigajoules	449,929.58	520,953.84	453,883.00	452,829.02
	Total non-renewable energy consumption	gigajoules	449,832.53	520,861.61	453,766.18	452,277.29
	Diesel (Stationary combustion)	gigajoules	N/A	3,456.00	56.45	279.76
	Diesel (mobile combustion)	gigajoules	2,703.60	3,112.81	3,203.39	2,835.18
	gasoline (mobile combustion)	gigajoules	1,365.05	1,094.36	721.30	657.43
	Electricity (non-renewable) purchased	gigajoules	445,763.88	513,198.43	449,785.04	448,504.92
	Total renewable energy consumption	gigajoules	97.06	92.23	116.82	551.74
	Solar cell	gigajoules	97.06	92.23	116.82	551.74
302-3 (2016)	Total energy intensity (Total energy consumption per unit of the company's water volume)	gigajoules/m ³	0.0015	0.0015	0.0015	0.0019
	Total energy intensity (Total energy consumption per volume of water produce)	gigajoules/m ³	0.0017	0.0020	0.0018	0.0023

GRI	Data	Unit	2022	2023	2024	2025
305 (2016)	Emissions					
305-1 (2016)	Total direct GHGs emissions (scope 1)	Tons CO ₂ equivalent	296.46	648.51	431.36	637.52
	Total biogenic CO2 emissions	Tons CO ₂ equivalent	N/A	N/A	N/A	8.95
	Methane emissions from the Raw Water Pumping	Tons CO ₂ equivalent	0.00	0.00	0.00	0.00
305-2 (2016)	Indirect GHGs emissions from energy purchased and consumes (scope 2)	Tons CO ₂ equivalent	61,899.27	71,263.30	62,457.65	59,177.73
305-3 (2016)	Other relevant indirect GHG emission (scope 3)	Tons CO ₂ equivalent	N/A	14,096.02	12,356.98	10,178.56
	UPSTREAM scope 3 emissions purchased goods and services	Tons CO ₂ equivalent	N/A	25.83	25.37	30.26
	UPSTREAM scope 3 emissions capital goods	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	UPSTREAM scope 3 emissions fuel- and energy-related activities	Tons CO ₂ equivalent	N/A	14070.19	12,331.61	10,148.30
	UPSTREAM scope 3 emissions transportation and distribution	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	UPSTREAM scope 3 emissions waste generated in operations	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	UPSTREAM scope 3 emissions business travel	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	UPSTREAM scope 3 emissions employee commuting	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	UPSTREAM scope 3 emissions leased assets	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	DOWNSTREAM scope 3 emissions transportation and distribution	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	DOWNSTREAM scope 3 emissions processing of sold products	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	DOWNSTREAM scope 3 emissions use of sold products	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	DOWNSTREAM scope 3 emissions end-of-life treatment of sold products	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	DOWNSTREAM scope 3 emissions leased assets	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	DOWNSTREAM scope 3 emissions franchises	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A
	DOWNSTREAM scope 3 emissions investments	Tons CO ₂ equivalent	N/A	N/A	N/A	N/A

In 2025, the Company's greenhouse gas (GHG) emissions data covering all three scopes were independently assured by the British Standards Institution (BSI). The Company also conducted a materiality assessment of Scope 3 indirect greenhouse gas emissions in accordance with the methodology prescribed by the Thailand Greenhouse Gas Management Organization (Public Organization) (TGO). The assessment identified **Fuel- and Energy-related Activities** as a material Scope 3 category, comprising upstream emissions associated with the acquisition of fuels for electricity generation, diesel, and gasoline. Meanwhile, the **Purchased Goods and Services** category, which includes office paper consumption and tap water use, did not exceed the materiality assessment threshold, indicating that greenhouse gas emissions from these activities are relatively insignificant. Nevertheless, the Company remains committed to reducing paper and water consumption through the implementation of resource efficiency initiatives, thereby contributing to the reduction of greenhouse gas emissions and supporting the achievement of its net-zero greenhouse gas emissions target.

GRI	Data	Unit	2022	2023	2024	2025
305 (2016)	Emissions					
305-4 (2016)	GHG emission intensity (scope 1 & 2 &3) (Greenhouse Gas Emission per unit of the company's water volume)	Tons CO ₂ equivalent /m ³	N/A	249.07	246.86	301.84
	GHG emission intensity (scope 1 & 2 &3) (Greenhouse Gas Emission per volume of water produce)	Tons CO ₂ equivalent /m ³	N/A	330.18	309.63	353.35
305-6 (2016)	ozone-depleting substances (ODS)	Tons	0.00	0.00	0.00	0.00
305-7 (2016)	Nitrogen oxides (NOx) emissions	Tons	0.00	0.00	0.00	0.00
	Sulfur oxides (SOx) emissions	Tons	0.00	0.00	0.00	0.00
	Volatile organic compounds (VOCs)	Tons	0.00	0.00	0.00	0.00
	Particulate matter-10 micron : PM10 (Combustion process)	µg/m ³	0.00	0.00	0.00	0.00
	Particulate matter-2.5 micron : PM2.5 (Combustion process)	µg/m ³	0.00	0.00	0.00	0.00

GRI	Data	Unit	2022	2023	2024	2025
301 (2016)	Material					
301-1 (2016)	Total material used (Non renewable material)	Million tons	275.70	287.13	256.89	204.53
303 (2018)	Water and Effluents					
303-3 (2018)	Total water withdrawal from all areas	Billion liters	260.22	245.51	221.41	182.35
	Surface water	Billion liters	260.20	245.49	221.39	182.32
	TDS ≤1,000 mg/l	Billion liters	260.20	245.49	221.39	182.32
	TDS >1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	Groundwater	Billion liters	0.00	0.00	0.00	0.00
	TDS ≤1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	TDS >1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	Seawater	Billion liters	0.00	0.00	0.00	0.00
	TDS ≤1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	TDS >1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	Third-party water (Surface water)	Billion liters	0.00	0.00	0.00	0.00
	TDS ≤1,000 mg/l	Billion liters	0.02	0.02	0.02	0.03
	TDS >1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	Total water withdrawal from all areas with water stress	Billion liters	15.50	41.64	35.50	22.21
	Surface water	Billion liters	15.50	41.64	35.50	22.21
	TDS ≤1,000 mg/l	Billion liters	15.50	41.64	35.50	22.21
	TDS >1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	Groundwater	Billion liters	0.00	0.00	0.00	0.00
	TDS ≤1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	TDS >1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	Seawater	Billion liters	0.00	0.00	0.00	0.00
	TDS ≤1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	TDS >1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	Third-party water (Surface water)	Billion liters	0.00	0.00	0.00	0.00
	TDS ≤1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00
	TDS >1,000 mg/l	Billion liters	0.00	0.00	0.00	0.00

GRI	Data	Unit	2022	2023	2024	2025
303-4 (2018)	Water Discharge (Total water discharge to all areas) TDS ≤1,000 mg/l by destination	Mega liters	16.14	19.35	19.60	25.07
	Surface water	Mega liters	0.00	0.00	0.00	0.00
	Groundwater	Mega liters	0.00	0.00	0.00	0.00
	Seawater	Mega liters	0.00	0.00	0.00	0.00
	Third-party water (Surface water)	Mega liters	16.14	19.35	19.60	25.07
303-5 (2018)	Water consumption (Third-party water : Waterworks Authority)	Mega liters	4.04	4.84	4.90	6.27
306 (2020)	Waste					
306-3 (2020)	Total waste generated	tons	37.67	45.47	67.31	60.92
306-4 (2020)	Total hazardous waste generated	tons	0.38	1.73	6.18	1.71
306-5 (2020)	- Total weight of waste diverted from disposal (Recycling)	tons	0.00	0.00	0.00	0.00
	- Total weight of waste directed to disposal	tons	0.38	1.73	6.18	1.71
	Total non-hazardous waste generated	tons	37.29	43.74	61.13	59.21
	- Total weight of waste diverted from disposal (Recycling)	tons	6.83	5.74	14.57	13.93
	- Total weight of waste directed to disposal	tons	30.46	38.00	46.56	45.28