

Pollution and Resource Management

- Wastewater Management

Treated leachate by Leachate Treatment Plant (LTP), SMART WtE Plant, Ladang Tanah Merah

	FY2023	FY2024	FY2025
	m3		
Water (effluent) discharge	122,188	87,346	132,090

Note: All treated effluents from our operations are strictly monitored to ensure compliance with Class IIB of the National Water Quality Standards, prior to safe discharge to the drain.

In FY2025, Cypark incurred an estimated RM346,800 in costs associated with water-related risks, including treatment, monitoring and compliance measures.

Power Generation Water Withdrawal by WtE, Ladang Tanah Merah

	FY2023	FY2024	FY2025
	m3		
Power generation water withdrawal	NA	50,316	35,477

- Stack Emission

Parameters	Units	⁵ Recommended Limit	Results
1***Total Particulate Matter	mg/m ³	100	10.8
1***Sum of NO and NO ₂ (NO ₂)	mg/m ³	200	49
1***Sum of SO and SO ₂ (SO ₂)	mg/m ³	50	14
1***Carbon Monoxide (CO)	mg/m ³	50	11.3
1***Hydrogen Chloride (HCl)	mg/m ³	40	8.7
1***Hydrogen Fluoride (HF)	mg/m ³	1	0.2
1***NMVOC as TOC	mg/m ³	10	2.1
1***Mercury (Hg)	mg/m ³	0.05	ND (<0.01)
1***Cadmium (Cd)	mg/m ³	Total 0.05	0.017
1***Thallium (Tl)	mg/m ³		ND (<0.01)
1***Arsenic (As)	mg/m ³	Total 0.5	ND (<0.01)
1***Lead (Pb)	mg/m ³		ND (<0.01)
1***Copper (Cu)	mg/m ³		ND (<0.01)
1***Antimony (Sb)	mg/m ³		ND (<0.01)
1***Chromium (Cr)	mg/m ³		ND (<0.01)
1***Cobalt (Co)	mg/m ³		ND (<0.01)
1***Manganese (Mn)	mg/m ³		0.08
1***Nickel (Ni)	mg/m ³		0.05
1***Vanadium (V)	mg/m ³	ND (<0.01)	

Note: Emissions from WtE are regularly monitored in compliance with Schedule K, Environmental Quality (Clean Air) Regulations 2014.

- Waste Management

Municipal solid waste (MSW) (raw materials) is received at the Waste Segregation Facility (WSF) and processed at the Waste-to-Energy (WtE) facility in Ladang Tanah Merah to generate renewable energy.

	FY2023	FY2024	FY2025
	Metric Tonne (MT)		
MSW processed at WtE	NA	137,218	84,647*

*Note: The decrease is primarily due to the temporary unavailability of the WtE facility from mid-April to mid-November 2024.