

Water Consumption

Unit: million liters

Year	2021		2022	
Location	All locations	Locations prone to water stress	All locations	Locations prone to water stress
Total water consumption	5.85	N/A	6.095	N/A
Change in water storage	N/A	N/A	N/A	N/A

5.4 Waste Management

Kaori observes the ISO 14001 standard and has created a dedicated unit to track the sources and volumes of waste and adopted waste management practices that aim to maximize resource utilization and minimize waste generation. All departments are committed to minimizing waste volumes from production activities, increasing the life cycles of raw materials used, and promoting circulation and reuse of resources and waste for total waste reduction. Kaori engages qualified service providers to dispose of waste and uses appropriate forms to audit waste handlers, thereby ensuring the appropriateness of waste treatment and that the waste generated does not pose a significant impact on the nearby environment. There were no violations of environmental laws in 2022.

Waste Reduction Measures

Kaori reduces the volume of waste by recycling waste iron, carton boxes, and waste glass and reusing waste pallets. Waste pallets are handed over to qualified service providers for reuse, thereby minimizing environmental impact. Driven by the mission of a responsible producer, Kaori duly reports how waste generated from plant sites is handled and retains complete documents to ensure that waste is properly treated.

- Establishment of employee cafeterias and use of environment-friendly tableware
- Total recycling of paper containers
- Use of kitchen waste recycling bins



Total Waste

Unit: tonnes

Waste Composition	2021			2022		
	Waste generated	Waste diverted from disposal	Waste directed to disposal	Waste generated	Waste diverted from disposal	Waste directed to disposal
General Waste	66.44	0.00	66.44	85.15	0.00	85.15
Scrap - Waste stainless steel	0.49	0.49	0.00	0.00	0.00	0.00
Scrap - Waste black steel	0.83	0.83	0.00	0.00	0.00	0.00
Scrap - Waste INCO601	0.78	0.78	0.00	0.00	0.00	0.00
Scrap - waste INCO625	6.68	6.68	0.00	25.61	25.61	0.00
Scrap - Waste HS230	0.65	0.65	0.00	0.40	0.40	0.00
Scrap - Waste INCO800	9.75	9.75	0.00	23.74	23.74	0.00
Scrap - Waste mix	0.30	0.30	0.00	0.83	0.83	0.00
Scrap - Waste inco600	0.03	0.03	0.00	0.39	0.39	0.00
Scrap - Waste sus446	1.11	1.11	0.00	0.69	0.69	0.00
Scrap - Swarf from machining	0.00	0.00	0.00	0.94	0.94	0.00
Scrap - Waste 304 + copper	0.00	0.00	0.00	76.11	76.11	0.00
Scrap - Waste 316 + copper	0.00	0.00	0.00	241.92	241.92	0.00
Scrap - Waste aluminum	0.00	0.00	0.00	0.26	0.26	0.00
Scrap - Waste copper	0.00	0.00	0.00	4.57	4.57	0.00
Scrap - Pure 304	0.00	0.00	0.00	50.61	50.61	0.00
Scrap - Pure 316	0.00	0.00	0.00	66.50	66.50	0.00
Scrap - Waste 304 swarf	0.00	0.00	0.00	118.99	118.99	0.00
Scrap - Waste 316 swarf	0.00	0.00	0.00	30.31	30.31	0.00
Waste wooden materials (R-0701)	0.00	10.39	0.00	70.48	70.48	0.00
Waste oil mixture (D-1799)	0.00	0.00	2.21	7.50	7.50	0.00
Night soil (D-0104)	0.00	0.00	3.82	4.01	0.00	4.01
Waste plastic (R-0201)	0.00	0.00	0.00	18.64	18.64	0.00
Total waste	87.05	31.00	72.47	827.64	738.48	89.16

Note: There were errors in the total volume of waste generated by the Kaohsiung Plant in 2021. The errors have since been corrected.

Waste Diverted from Disposal

Unit: tonnes

Waste Composition		2021			2022		
		On-site	Off-site	Total volume	On-site	Off-site	Total volume
Hazardous waste	Preparation for reuse	0.00	0.00	0.00	0.00	0.00	0.00
	Recycling	0.00	0.00	0.00	0.00	0.00	0.00
	Other recovery	0.00	0.00	0.00	0.00	0.00	0.00
	Total volume	0.00	0.00	0.00	0.00	0.00	0.00
Non-hazardous waste	Preparation for reuse	0.00	20.61	0.00	0.00	0.00	0.00
	Recycling	0.00	10.39	0.00	0.00	719.84	719.84
	Other recovery	0.00	0.00	0.00	0.00	0.00	0.00
	Total volume	0.00	31.00	0.00	0.00	719.84	719.84

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Waste Directed to Disposal

Unit: tonnes

Waste Composition		2021			2022		
		On-site	Off-site	Total volume	On-site	Off-site	Total volume
Hazardous waste	Incineration (including recycling of energy sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Incineration (excluding recycling of energy sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Landfill	0.00	0.00	0.00	0.00	0.00	0.00
	Other methods of disposal	0.00	0.00	0.00	0.00	0.00	0.00
	Total volume	0.00	0.00	0.00	0.00	0.00	0.00
Non-hazardous waste	Incineration (including recycling of energy sources)	0.00	0.00	0.00	0.00	85.15	85.15
	Incineration (excluding recycling of energy sources)	0.00	84.84	84.84	0.00	0.00	0.00
	Landfill	0.00	0.00	0.00	0.00	0.00	0.00
	Other methods of disposal	0.00	6.03	6.03	0.00	0.00	0.00
	Total volume	0.00	90.87	90.87	0.00	85.15	85.15