

6.6 Waste management

Kaori observes the ISO 14001 standard and has created a dedicated unit to track the sources and volumes of waste. Adhering to the principles of maximizing resource use and minimizing waste generation, the Company promotes "Waste Management Measures." All departments are committed to minimizing waste volumes from production activities, increasing the life cycles of raw materials used, and promoting the 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.

Requirements for suppliers	Reusable packaging containers and non-reusable containers must be recyclable and reusable materials. Waste generated during the supply process must also be recyclable or declared as reusable waste items.
Production requirements	In the plant's production processes, materials are controlled at the source to avoid using raw materials and equipment materials that current environmental technologies cannot manage. Additionally, raw materials/waste from the production process are reviewed for potential recycling and reuse. Reduce the waste of necessary resources and increase recycling.
Requirements for employees	Environmental safety and health education and training are held for employees on their first day of employment to teach them how to classify waste, improve their environmental safety and health concepts and literacy, and enable them to independently classify recyclable waste. Each area maintains at least five categories of waste sorting categories, contributing to the planet's environmental sustainability and social responsibility.
Recycling requirements for waste disposal	Review the suitability of waste disposal channels every year and select waste disposal contractors with more environmentally friendly treatment methods, especially the legal disposal of hazardous waste, to avoid causing environmental impact. There were no violations of waste treatment laws in 2024.

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. Upholding the principle of responsibility, Kaori duly reports how waste generated from plant sites is handled and retains complete documents to ensure that waste is properly treated.

1. Establishment of employee cafeterias and use of environment-friendly tableware
2. Total recycling of paper containers
3. Use of kitchen waste recycling bins
4. No hazardous waste; domestic wastes are disposed of in accordance with the law

Total Waste

Unit: tonnes

Waste composition \ Year. Disposal	2023			2024		
	Waste Generated	Waste Diverted From Disposal	Waste Directed to Disposal	Waste generated	Waste Diverted From Disposal	Waste Directed to Disposal
General Waste	91.369	0	91.369	92.83	0	92.83
Scrap - Waste stainless steel	3.568	3.568	0	0	0	0
Scrap - Waste black steel	97.365	97.365	0	126.1	126.1	0
Scrap - Waste INCO601	1.996	1.996	0	0.522	0.522	0
Scrap - Waste INCO625	15.8478	15.8478	0	19.497	19.497	0
Scrap - Waste HS230	0.004	0.004	0	0	0	0
Scrap - Waste INCO800	66.943	66.943	0	20.17	20.17	0
Scrap - Waste mix	0.175	0.175	0	1.262	1.262	0
Scrap - Waste inco600	4.3463	4.3463	0	0.171	0.171	0
Scrap - Waste sus446	1.65	1.65	0	0	0	0
Scrap - Swarf from machining	2.016	2.016	0	0	0	0
Scrap - Waste 304 + copper	58.173	58.173	0	56.387	56.387	0
Scrap - Waste 316 + copper	210.462	210.462	0	148.79	148.79	0
Scrap - Waste aluminum	0.923	0.923	0	0.136	0.136	0
Scrap - Waste copper	14.472	14.472	0	13.91	13.91	0
Scrap - Pure 304	55.445	55.445	0	75.509	75.509	0
Scrap - Pure 316	70.324	70.324	0	73.206	73.206	0
Scrap - Waste 304 swarf	112.833	112.833	0	112.571	112.571	0
Scrap - Waste 316 swarf	24.564	24.564	0	32.88	32.88	0
Waste INCO800+SUS316	0.05	0.05	0	0.011	0.011	0
Waste INCO800+625 Scrap	1.321	1.321	0	0.023	0.023	0
Waste ceramic INCO800+625	0.225	0.225	0	0	0	0
Waste ceramics + INCO625	0.373	0.373	0	0.868	0.868	0
Waste heat exchangers	20.413	20.413	0	21.309	21.309	0
Scrap nickel foil	0.427	0.427	0	0	0	0
Waste ceramics	0.052	0.052	0	0	0	0
Blade waste	0.03	0.03	0	0	0	0
Waste cables	0.303	0.303	0	0	0	0
Waste paper	11.959	11.959	0	14.21	14.21	0
Waste wooden materials (R-0701)	84.24	84.24	0	79.98	79.98	0
Waste oil mixture (D-1799)	15.66	15.66	0	10.86	10.86	0
Night soil (D-0104)	0	0	0	0	0	0
Waste plastic (R-0201)	11.06	11.06	0	42.03	42.03	0
Total waste	1,122.589	1,031.22	91.369	943.232	850.402	92.83

Note: The waste materials listed in the table above can be sold externally.

Waste diverted from disposal

Unit: tonnes

Waste composition		2023			2024		
		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	0.00	0.00	0.00	0.00	0.00
	Recycling	0	1,031.22	1,031.22	0	850.402	850.402
	Other recovery	0	0	0	0	0	0
	Total volume	0	1,031.22	1,031.22	0	850.402	850.402

Waste directed to disposal

Unit: tonnes

Waste composition		2023			2024		
		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	91.369	91.369	0.00	92.83	92.83
	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	91.369	91.369	0.00	92.83	92.83

