



Management of Waste and Unused Materials for the Year 2025

The Company operates three factory branches, all of which implement environmental management in accordance with ISO 14001:2015 standards.

Management of Waste and Unused Materials

The Company categorizes waste and unused materials into two main types: Industrial Waste and Solid Waste. Each type is managed as follows:

Industrial Waste

Industrial waste management is a critical aspect of our environmental operations aimed at driving corporate sustainability. The Company focuses on reducing waste at the source by enhancing production efficiency to maximize resource utilization and minimize manufacturing waste. Furthermore, we prioritize industrial waste management methods that promote Reuse & Recycle. This encompasses systematic waste segregation, safe handling of hazardous materials, and equipment maintenance to prevent pollutant leakage into the environment.

Accordingly, waste management and resource circularity have been identified as a key Materiality issue for the year 2025, a matter of high priority for all stakeholders. In 2025, the Company has established the following waste management plan:

1. **Comprehensive Re-assessment:** Conduct a complete review and assessment of all waste generated from corporate operations to thoroughly analyze both hazardous and non-hazardous waste.
2. **Process Automation:** Upgrade production lines to more automated systems to reduce the use of chemical containers previously required in manual operations.
3. **Source Reduction via Procurement:** Collaborate with the Procurement Department to minimize waste at the source by reducing raw material packaging from suppliers.
4. **Systematic Waste Segregation:** Implement a systematic waste segregation process to create value and facilitate convenient waste handling.
5. **Employee Training and Awareness:** Conduct employee training, communication, and campaigns to raise awareness about waste reduction and waste segregation within the factories.
6. **Audits and Evaluations:** Perform regular audits and evaluations in conjunction with 5S activities and occupational health and safety standards under the ISO 45001 system.



7. **R&D and Production Collaboration:** Foster collaboration between the Production Department and the Research & Development (R&D) Department to minimize material loss and identify appropriate methods for re-processing.

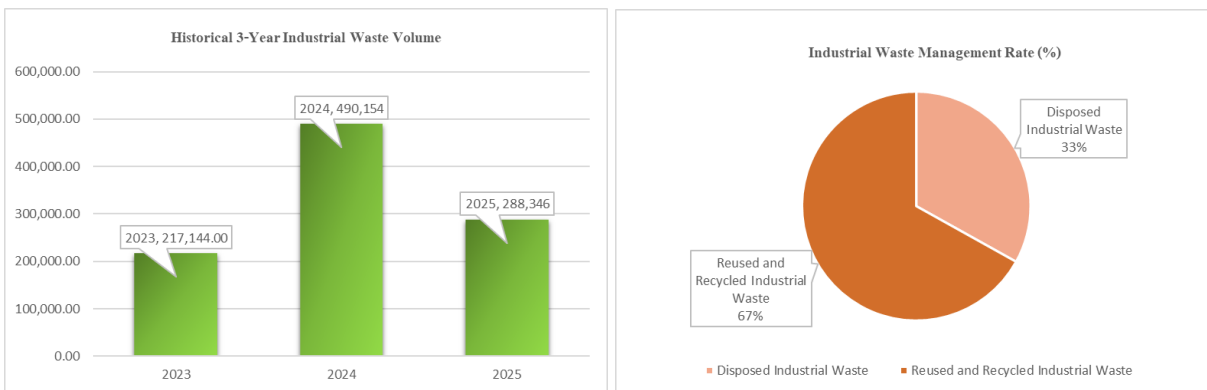
Table 1: Resource Utilization (Main Raw Materials) and Production Process Efficiency

Production process efficiency	Year		
	2023	2024	2025
Resource utilization (raw materials) in production process (kg)			
260	12,531,754.76	14,216,683.17	13,522,445.49
271	7,847,896.05	8,460,904.99	7,137,206.28
252 (PPY)	194,447.50	231,300.00	229,050.00
Product (Kg)			
260	12,298,346.70	14,002,863.88	13,418,156.00
271	7,746,242.99	8,358,703.00	7,063,223.00
252 (PPY)	192,264.39	227,631.78	226,296.42
Production process loss (kg)			
260	233,408.06	213,819.29	104,289.49
271	101,653.06	102,201.99	73,983.28
252 (PPY)	2,183.11	3,668.22	2,753.58
Raw material loss rate (%)			
260	1.86%	1.50%	0.77%
271	1.30%	1.21%	1.04%
252 (PPY)	1.12%	1.59%	1.20%

The Company set a target for industrial waste (hazardous waste) management in 2025 to achieve a reduction of more than 2% (2.3 tons) compared to the base year (2022). Following the implementation of the 2025 operational plan, it was found that the hazardous industrial waste disposed of stood at 95.384 tons, representing a 17% reduction. This significantly exceeded the established target.



This accomplishment was driven by the Company’s transition towards more automated weighing and measuring systems in the production lines, which reduced the utilization of chemical containers previously required in manual processes. Furthermore, the Company collaborated with chemical suppliers by implementing reusable containers and transitioning to bulk chemical procurement via tank cars (Tank-cars). This initiative effectively minimized contaminated packaging that would otherwise require disposal as hazardous waste. Additionally, a proper contaminated waste management system was put in place, alongside comprehensive employee training across all departments to ensure a deeper understanding and execution of correct operational practices.



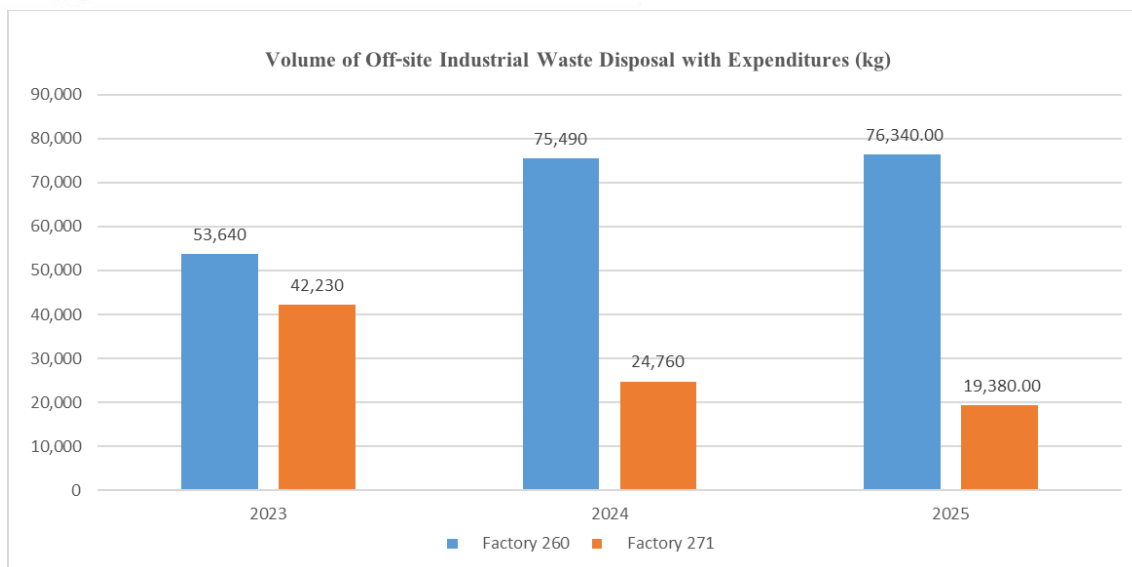
The Company’s Industrial Waste Volume

Table 2: Historical 3-Year Industrial Waste Volume

Industrial Waste Volume	Year		
	2023	2024	2025
Total Industrial Waste Volume (kg)	217,144.00	490,154	288,346
Total Industrial Waste Disposed (kg)	111,752.00	129,859.00	95,384.00
Total Non-Hazardous Industrial Waste Disposed (kg)	0.00	0.00	0.00
- Landfill (kg)	0.00	0.00	0.00
- Incineration with Energy Recovery (kg)	0.00	0.00	0.00
- Incineration without Energy Recovery (kg)	0.00	0.00	0.00
- Others (kg)	0.00	0.00	0.00
Total Hazardous Industrial Waste Disposed (kg)	111,752.00	129,859.00	95,384.00
- Landfill (kg)	0.00	0.00	0.00



Industrial Waste Volume	Year		
	2023	2024	2025
- Incineration with Energy Recovery (kg)	111,752.00	100,250.00	95,384.00
- Incineration without Energy Recovery (kg)	0.00	0.00	0.00
- Others (kg)	0.00	100,250.00	0.00
Total Industrial Waste Reused / Recycled (kg)	105,392.00	360,295.00	192,962.00
Non-Hazardous Industrial Waste Volume (kg)	105,392.00	330,686.00	158,929.00
- Reuse (kg)	73,492.00	140,799.00	73,713.00
- Recycle (kg)	31,900.00	189,887.00	85,216.00
Hazardous Industrial Waste Volume (kg)	0.00	29,609.00	34,033.00
- Reuse (kg)	0.00	0.00	30,297.00
- Recycle (kg)	0.00	29,609.00	3,736.00
Percentage of Total Disposed Waste to Total Waste (%)	51.46%	26.49%	33.08%
- Non-Hazardous Industrial Waste	0.00%	0.00%	0.00%
- Hazardous Industrial Waste	51.46%	26.49%	33.08%
Percentage of Total Reused / Recycled Waste to Total Waste (%)	48.54%	73.51%	66.92%
- Non-Hazardous Industrial Waste	48.54%	67.47%	55.12%
- Hazardous Industrial Waste	0.00%	6.04%	11.80%



Volume of Off-site Outsourced Industrial Waste Disposal with Expenditures

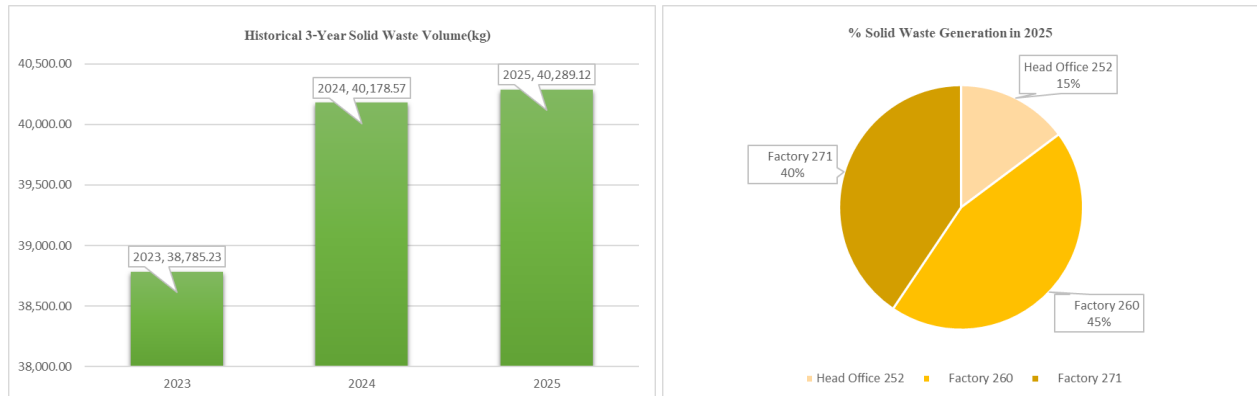
Table 3: Historical 3-Year Volume of Off-site Outsourced Industrial Waste Disposal with Expenditures by Factory

Industrial Waste Volume	Year		
	2023	2024	2025
Industrial Waste Volume by Factory (kg)	95,870	100,250	95,720
- Factory 260	53,640	75,490	76,340
- Factory 271	42,230	24,760	19,380
Ratio of Waste Disposed to Finished Products (%)	1.00%	0.45%	0.47%
- Factory 260	0.44%	0.54%	0.57%
- Factory 271	0.56%	0.30%	0.27%
Reduction Rate of Disposed Industrial Waste Compared to 2022 (Target) (%)	40.85%	37.27%	34.62%
- Factory 260	60.84%	-98.80%	-109.80%
- Factory 271	25.88%	33.21%	38.15%



Solid Waste

Solid waste management is another key area where the Company focuses its efforts to maximize operational efficiency. Our primary objectives are to reduce the overall volume of solid waste generated and to actively promote the practical application of the 3Rs (Reduce, Reuse, Recycle) principle in our everyday waste management practices.



The Company's Solid Waste Volume

Table 4: Historical 3-Year Solid Waste Volume

Solid Waste Volume	Year		
	2023	2024	2025
Total Solid Waste Volume (kg)	33,288.00	34,323.00	40,289.12
Total Solid Waste Disposed (kg)	38,785.23	40,178.57	40,289.12
- Landfill (kg)	38,785.23	40,178.57	40,289.12
- Incineration with Energy Recovery (kg)	0.00	0.00	0.00
- Incineration without Energy Recovery (kg)	0.00	0.00	0.00
- Others (kg)	0.00	0.00	0.00
Solid Waste Volume by Factory/Location (kg)			
- Head Office 252	5,497.23	5,855.57	5,967.12
- Factory 260	16,878.00	17,774.00	17,979.00
- Factory 271	16,410.00	16,549.00	16,343.00



Disposal Expenditures for Waste and Unused Materials

Table 5: Historical 3-Year Disposal Expenditures for Waste and Unused Materials

Disposal Expenditures for Waste and Unused Materials	Year		
	2023	2024	2025
Total Disposal Expenditures for Waste and Unused Materials (THB)	555,309.00	338,643.00	254,195.00
Total Industrial Waste (THB)	411,309.00	242,643.00	158,195.00
- Factory 260 (THB)	175,530.00	181,275.00	118,295.00
- Factory 271 (THB)	235,779.00	61,368.00	39,900.00
Total Solid Waste (THB)	144,000.00	96,000.00	96,000.00
- Head Office 252 (THB)	60,000.00	-	-
- Factory 260 (THB)	42,000.00	48,000.00	48,000.00
- Factory 271 (THB)	42,000.00	48,000.00	48,000.00

Note: Solid waste disposal expenditures for Head Office 252 during 2024 - 2025 were responsible by ADB Sealant Co., Ltd., which is the lessor providing the area to the Company.

Promotional Activities for Waste and Unused Materials Management

The Company actively promotes, educates, and raises awareness regarding waste and unused materials management among employees through an annual training program conducted every year. This continuous initiative reinforces and enhances employees' understanding, ensuring they can accurately segregate, store, and manage waste and unused materials in a cost-effective manner to achieve maximum efficiency.

