

Initiatives for Resource Recycling

Our policies and approach

The Toagosei Group is advancing the reduction of waste generation and the effective use of resources through the promotion of resource recycling.

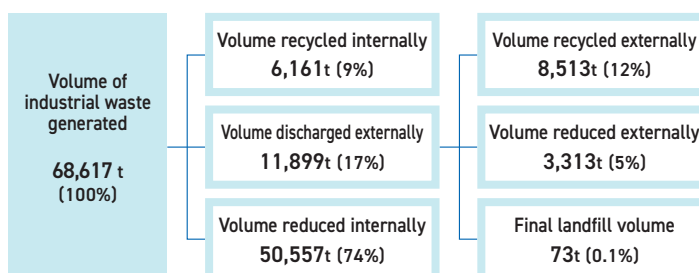
We pursue reductions in final disposal volumes and higher recycling rates based on the three Rs: reduce, reuse, and recycle. Going forward, we will further incorporate circular economy principles and advance the investigation and expansion of external recyclers and recycling channels, strengthening a recycling framework that circulates resources across society as a whole.

Volume of waste generated in operation

We are actively working to reduce industrial waste generation, minimize waste volumes, and increase recycling. For waste generated in normal operations, we are working toward targets of a landfill disposal rate of 0.5% or below and a year-on-year improvement in the recycling rate of at least 1%.

In 2025, our landfill disposal rate for waste reached 0.1%, meeting our target. The recycling rate, however, fell 2% year on year, falling short of our target.

Industrial waste processing flow



TOPICS



Acquire ISCC PLUS certification

ISCC PLUS is an international certification scheme that ensures sustainable raw materials such as recycled and biomass-derived materials are properly managed throughout the supply chain, including in product manufacturing. By using sustainably sourced propylene as a raw material for the acrylic acid manufactured at our Oita Plant, we obtained ISCC PLUS certification. This enables us to sell certified products allocated under the mass balance approach* and to transfer them to other sites.

We are progressively pursuing this certification for derivative products manufactured at other sites, and are building a framework to contribute to a resource-circulating society by supplying low-environmental-impact products that help realize a sustainable society.

*The mass balance approach is an ISCC PLUS-approved management method that, when manufacturing products from a mixture of raw materials (such as petroleum-derived and biomass-derived materials), allows the proportion of biomass-derived raw materials used to be freely allocated to any given product.

Product packaging transitioning to environmentally considerate paper-based materials: The “Aron Alpha” for professional use series

The “Aron Alpha” for professional use series switched to environmentally friendly packaging specifications in FY2023, with the goal of reducing environmental impact. By adopting paper-based packaging materials, we have reduced plastic use by approximately 30%* compared to conventional products. We also use biomass ink made from plant-derived materials for printing. Going forward, we will continue working to reduce resource use and lower our environmental impact through design improvements to our products and packaging materials.

*Reduction figures are based on a comparison of the outer packaging only (excluding the container itself) and represent theoretical values calculated from the dimensions of the plastic used.



Recycling of used disposable diapers

In Japan, where the population is aging and the birthrate is declining, adult disposable diaper waste is growing faster than child disposable diaper waste is shrinking. Used disposable diapers are projected to rise from approximately 5% of municipal solid waste in 2020 to approximately 7% by 2030.

Against this social backdrop, Aronkasei took on the challenge of recycling used disposable diapers—previously considered impractical—and succeeded. This recycled resin has been commercialized as a dedicated collection box for used disposable diapers. Going forward, we will expand the use of this recycled resin across a wider range of applications.