Building of a Recycling-oriented Society

Basic Approach

Approach

The Toppan Group has formulated a set of priority policies towards the building of a recycling-oriented society as a critical challenge for management. The Group processes industrial waste and waste materials in line with the following priorities: 1) First priority is given to reductions of the discharge of industrial waste and waste materials generated in association with business activities; 2) Second priority is given to the reuse or recycling of industrial waste and waste materials discharged in spite of the reduction efforts; and 3) Third priority is given to the application of appropriate treatment methods to industrial waste and waste materials not reused or recycled.

The order of priority may be revised if another order of priority is deemed to be more effective for reducing environmental burden.

Activities

Activity results, performance data

In a drive to use limited resources more effectively, the Toppan Group works to reduce the discharge of waste, increase the recycling rate, and apply appropriate waste treatment methods based on the Toppan Group Declaration on the Global Environment.

Waste paper derived from operational sites primarily in the Information & Communication and Living & Industry fields makes up the largest portion (about 64%) of the total waste discharged at Group sites. The next largest portions are waste plastics derived from plants in the Living & Industry field (17%) and waste acid from the Electronics field. The Group has striven to increase the material recycling rate by processing waste paper into recycled paper, separating waste plastics and processing composite plastics into pellets, and recycling by other methods. Waste acid, meanwhile, has been treated in-house to lower volumes for disposal. The list on the left below shows the targets for the discharge, discharge-reduction, and recycling of plastic industrial waste, including plastics used in products. These are the Group's primary measures for plastic circulation undertaken to comply with the Plastic Resource Circulation Act enforced in Japan in April 2022. As for the sustainable use of water, a limited resource, individual Group sites assess water risks, reduce the levels of water consumed, and control the quality of effluents discharged into water systems.

Toppan will continue to strive for the effective use of limited resources by reducing overall waste discharge and promoting material recycling across the Group.

Plastic Circulation Targets Based on Japanese Legislation*

	Company Name	Fiscal 2021 Discharge(t)	Fiscal 2022 Reduction/Recycling Target
High-volume waste dischargers	Toppan Packaging Products Co., Ltd.	13,993	Increase the material recycling rate by 1.8% year over year
	Tamapoly Co., Ltd.	1,649	Reduce roll-film rewinding loss to below the previous year's level
	Toppan Decor Products Inc.	1,414	Increase the material recycling rate by 1.8% year over year
	Toppan Communication Products Co., Ltd.	836	Increase the material recycling rate by 1.8% year over year
	Toppan Inc.	732	Increase the material recycling rate by 1.8% year over year
	Toppan Infomedia Co., Ltd.	549	Increase the material recycling rate by 1.8% year over year
	Toppan Plastic Co., Ltd.	483	Increase the material recycling rate by 1.8% year over year
	Toppan TOMOEGAWA Optical Films Co., Ltd.	380	Increase the material recycling rate by 1.8% year over year
Waste dischargers	Toppan Packaging Service Co., Ltd.	244	Increase the material recycling rate by 1.8% year over year
	Toppan Electronics Products Co., Ltd.	104	Increase the material recycling rate by 1.8% year over year
	Toppan Techno Co., Ltd.	33	—
	Toppan Media Printech Tokyo Co., Ltd.	11	Increase the material recycling rate by 1.8% year over year
	Kansai Bottling Co., Ltd.	7	—
	Toppan Prosprint Co., Ltd.	6	—
	Toppan Graphic Communications Co., Ltd.	0.2	—

*Targets for the discharge, discharge-reduction, recycling of plastic industrial waste (including plastics used in products), and other plastic circulation measures based on the Plastic Resource Circulation Act of Japan

Values, Results, and Evaluation of Environmental Targets for Fiscal 2021

	Performance Target	Performance Indicator	Fiscal 2021 Target Value	Fiscal 2021 Result	Fiscal 2021 Achievement Rate	Fiscal 2021 Evaluation
Contributing to resource circulation	Reduce final landfill waste disposal	Final landfill waste disposal	6,126 t	6,877 t ☑	87.7%	B
	Circulate resources	Waste plastic material recycling rate	56.5%	56.9%	100.7%	A
Optimal water use	Evaluate water consumption according to use at individual Group sites and implement an automatic water-quality monitoring system to prevent water pollution across the Group			Evaluate water consumption and measure effluent quality at individual Group sites Examine system specifications for adoption of IoT technologies		

Evaluation criteria: S) Results achieved far surpass the targets (achievement rate [%] ≧ 105); A) Targets achieved (100 ≦ achievement rate [%] < 105); B) Activities fully carried out, but targets unachieved (70 ≦ achievement rate [%] < 100); C) Activities insufficient (achievement rate [%] < 70)

Achievement rate: 200 – (values actually achieved / target values) x 100 [%]

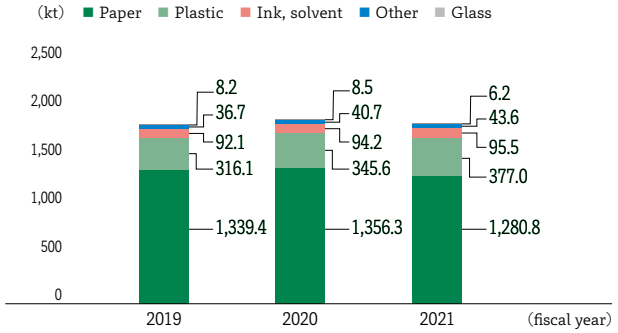
*Every indicator assured by an independent assurance provider is marked with an assurance stamp ☑.

Associated Data

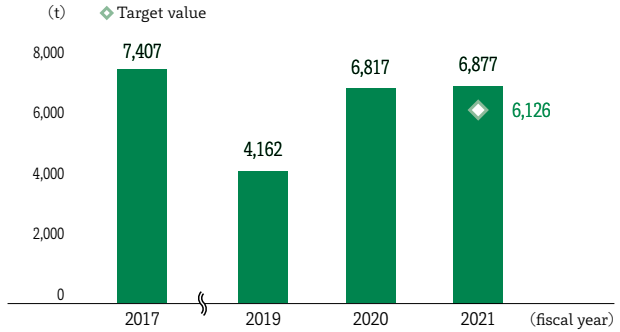
Activity results, performance data

Toppan evaluates and discloses Groupwide environmental data, including data at overseas Group subsidiaries.

Material Input

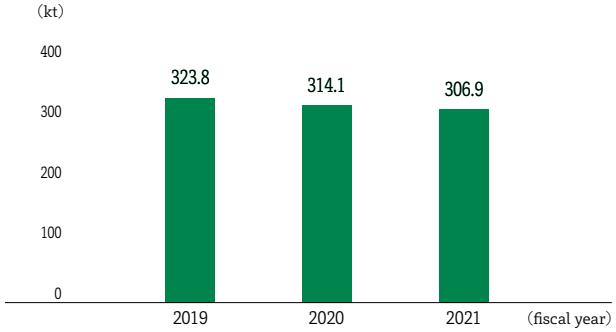


Final Landfill Waste Disposal

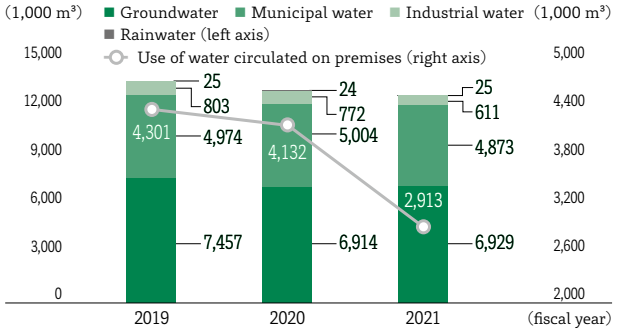


*The data for fiscal 2020 and earlier are adjusted based on revised calculation methods.

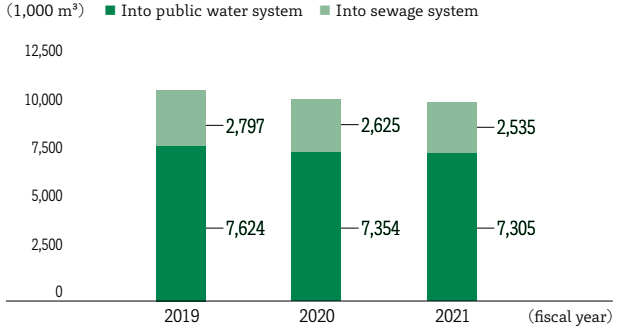
Waste Recycling



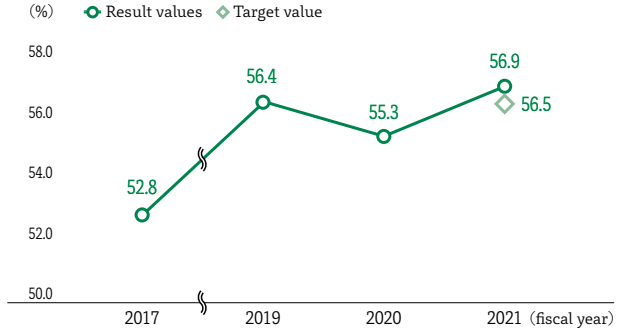
Water Consumption



Effluent Discharge



Waste Plastic Material Recycling Rate



*Every indicator assured by an independent assurance provider is marked with an assurance stamp ☑.