

Environmental Management Activities

# Environmental Activity Targets and Results

DNP has prescribed targets with the following categories as priority issues and is undertaking activities in these areas.

**Evaluation criteria** Target exceeded by a wide margin Target achieved or making steady progress toward target Making active efforts but target not achieved Efforts insufficient

Topic	Reference page	Medium- and long-term target <div>(The GHG emissions reduction targets are to be achieved by 2030 or 2050. The target year of the other targets is 2030.)</div>	FY2024 results		Evaluation
Reduction of GHG emissions	P 20-23	Reduce Scope 1 and 2 emissions by 46.2% compared to FY2019 by FY2030 (SBT). Aim to achieve net-zero Scope 1 and 2 GHG emissions by 2050.	Emissions in FY2019: 1.062million tons-CO <sub>2</sub> e Emissions in FY2024: 0.866million tons-CO <sub>2</sub> e	18.4% decrease from that in FY2019	
		Reduce Scope 3 emissions (category 1, 3, 4 and 5) by 27.5% compared to FY2019 (SBT).	Emissions in FY2019: 3.556million tons-CO <sub>2</sub> e Emissions in FY2024: 2.990million tons-CO <sub>2</sub> e	15.9% decrease from that in FY2019	
Reduction of environmental impact incurred during transport	P 23	To reduce fuel use for transport per amount of sales by 1% per annum and 11% compared to FY2019	Per unit in FY2019: 1.28kl/100 million yen Per unit in FY2024: 1.02kl/100 million yen	20.3% decrease from that in FY2019	
Increasing the resource recycling rate	P 24-25	Achieve a resource recycling rate* of 70% for all unnecessary objects *The ratio of material/chemical recycling to waste excluding paper as valuable waste, etc.	Resource recycling rate in FY2024: 63.5%		
Reduction of water usage	P 26	Reduce water use per amount of sales by 30% compared to FY2019	Per unit in FY2019: 6.73m <sup>3</sup> /million yen Per unit in FY2024: 6.21m <sup>3</sup> /million yen	7.7% decrease from that in FY2019	
Development and sales of environmentally conscious products and services	P 30	Increase the percentage of Super Eco-Products sales from total sales to 30%	Total sales ratio in FY2024: 15.0%		
Acquisition of certifications to meet the Guidelines for Procurement of Paper for Printing and Covering	P 32	Achieve a 100% certification ratio	Certification ratio in FY2024: 99.5%		
Environmental conservation	P 14	To keep the maximum concentration of air emissions subject to emissions regulations at 70% of the required standard or less	100% achievement ratio of targets for FY2024 (voluntary target)		
		To keep the maximum concentration of water emissions subject to wastewater regulations at 70% of the required standard or less	99.7% achievement ratio of targets for FY2024 (voluntary target)		
		To keep the maximum concentration of odors at our site perimeters at 70% of the required standard or less	98.5% achievement ratio of targets for FY2024 (voluntary target)		
		To keep the maximum level of noise at our site perimeters at 70% of the required standard or less	99.4% achievement ratio of targets for FY2024 (voluntary target)		
		To keep the maximum level of vibration at our site perimeters at 70% of the required standard or less	100% achievement ratio of targets for FY2024 (voluntary target)		

## GHG Emissions Reduction Target of the DNP Group Recognized by the Science Based Targets (SBT) Initiative

DNP obtained the approval of the international organization Science Based Targets (SBT) Initiative in July 2018. In April 2021, our target was revised upward as a target well below the 2°C target. Furthermore, the Scope 1 and 2 emission reduction targets were revised in 2024, and the Scope 3 emission reduction targets were revised in 2025, and they have all been certified as 1.5°C targets in April 2025.

DNP will continue to reduce GHG emissions through the conservation of energy, including the introduction of energy-saving equipment. Additionally, we will reinforce our relationships with suppliers, understand the amount of GHG emissions and switch to low-emitting materials to accelerate the reduction of emissions throughout the supply chain.



## Environmental Management Activities

# Current Status of Environmental Impact

### Main raw materials input (Unit: 1,000 tons)

	2023	2024	
Paper	505.0	485.8	(3.8% decrease)
Film	146.5	137.9	(5.9% decrease)
Plastic	159.7	153.8	(3.7% decrease)
Metal	56.5	51.7	(8.5% decrease)
Ink	52.6	50.1	(4.8% decrease)
Others	68.9	75.8	(10.0% increase)

### Main secondary materials input (Unit: 1,000 tons)★

	2023	2024	
Solvent	25.1	23.3	(7.2% decrease)
Acid and alkaline	8.3	10.3	(24.1% increase)

★ Scope limited to within Japan only

### Utilities (Energy consumption)\*1

	2023	2024	
Electricity (million kWh)	1,140	1,210	(6.1% increase)
City gas (million Nm <sup>3</sup> )	54.2	54.2	(0.1% increase)
LNG (million kg)	17.1	21.2	(24.4% increase)
LPG (million kg)	4.4	4.1	(6.7% decrease)
Fuel oil (kl)	572	780	(36.4% increase)
Steam (TJ)	36	65	(80.6% increase)
Kerosene (kl)	980	530	(45.9% decrease)
Water (million m <sup>3</sup> )	7.3	9.1	(24.1% increase)

\*1 Total energy consumption FY2024: 14,370TJ

### Product Manufacturing Process

#### Smart Communication

Businesses related to imaging communications, information security, XR (extended reality) communication and content, marketing, publishing, and education

#### Life & Healthcare

Businesses related to highly functional materials for mobility and industry, medicine and healthcare, packaging, and living spaces, and beverage business

#### Electronics

Businesses related to digital interfaces and semiconductors

#### Other

Inks, etc.

INPUT

OUTPUT

### On-site Reuse Status★

	2023	2024
Recycled solvent (1,000 tons)	3.4	4.1
Usage ratio*2	1.1	1.2
Recycled water (million m <sup>3</sup> )	268.29	303.63
Usage ratio	39.6	36.0
Vapor generated from waste heat recovery (tons)	140,000	131,000

\*2 Usage Ratio: This is a calculation of (input+recycling)/input. It does not include solvent in ink.

★ Scope limited to within Japan only

The FY2023 data has been partially revised and corrections are indicated in *italics*.

### Emissions into the air

	2023	2024	
GHG** emissions (1,000 tons-CO <sub>2</sub> e)	846	866	(2.4% increase)
NOx emissions (tons)★	440	464	(5.5% increase)
SOx emissions (tons)★	5.5	9.0	(63.6% increase)
Atmospheric emissions of VOCs (tons)	13,351	12,878	(3.5% decrease)

\*3 GHG: Greenhouse Gases  
Emissions from the use of electricity were recalculated to include past years using the coefficients for the fiscal years prior to the tabulated fiscal years. (Details are listed on page 22.)

★ Scope limited to within Japan only

### Emissions into bodies of water

	2023	2024	
Water discharged (million m <sup>3</sup> )	5.6	7.1	(28.6% increase)
COD emissions (tons)★	19.3	16.0	(17.1% decrease)
Nitrogen emissions (tons)★	4.8	4.4	(8.3% decrease)
Phosphorus emissions (tons)★	0.2	0.2	(—)

\*4 Water discharge channels to which the Water Pollution Control Act applies.

★ Scope limited to within Japan only

### Emissions of unnecessary objects and others (Unit: 1,000 tons)

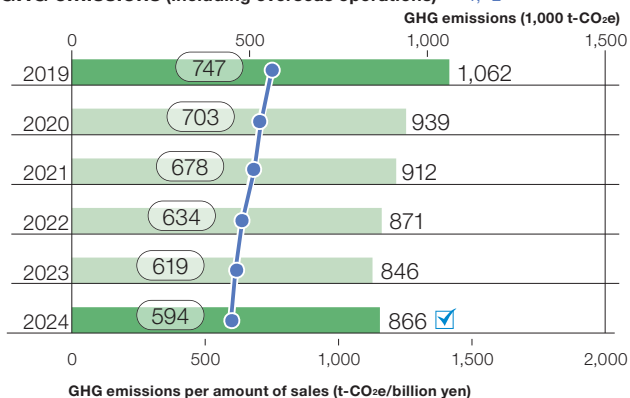
	2023	2024	
Total unnecessary objects emissions	247	219	(11.3% decrease)
Total unnecessary objects emissions (excluding recycled resources)*5	60.9	59.9	(1.6% decrease)
Waste emissions	46.6	47.0	(0.9% increase)
Landfill waste amount	4.9	4.5	(8.2% decrease)

\*5 Total unnecessary objects emissions excluding waste paper and other unnecessary objects that are recycled into resources

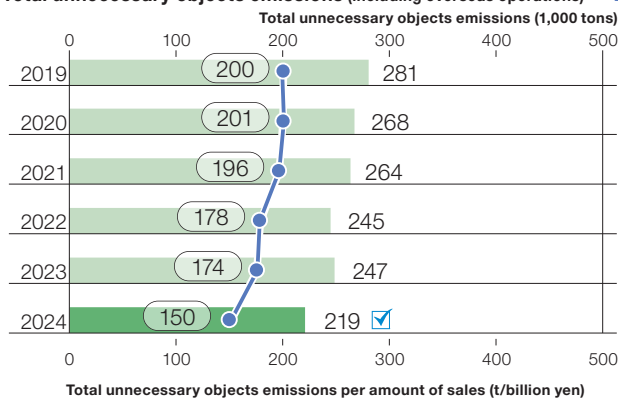
## Environmental Management Activities

# Environmental Impact and Environmental Efficiency

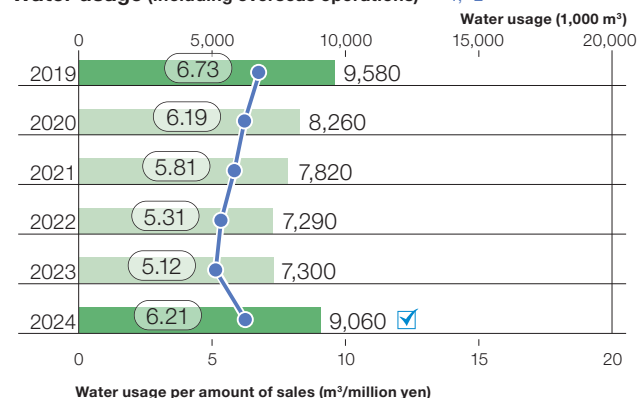
**GHG emissions (including overseas operations)** \*1, \*2



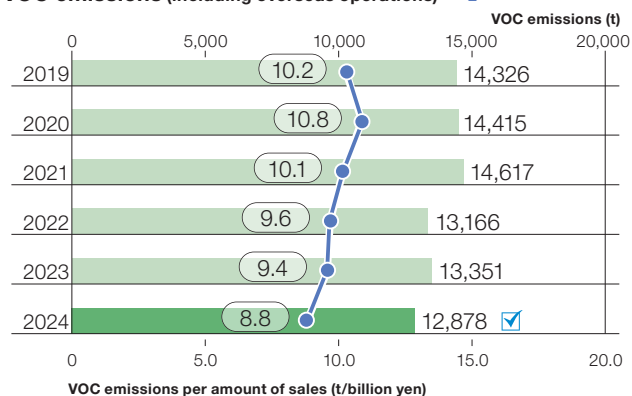
**Total unnecessary objects emissions (including overseas operations)** \*2



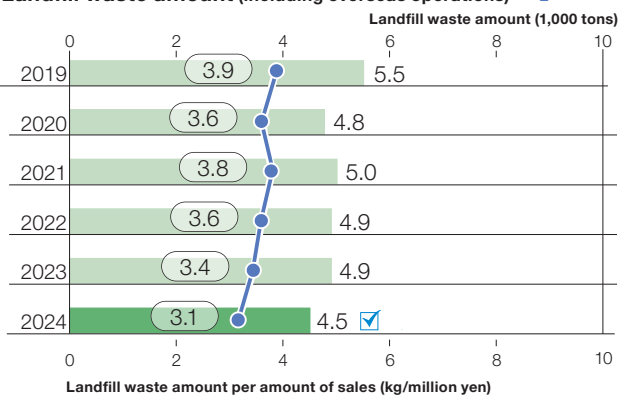
**Water usage (including overseas operations)** \*1, \*2



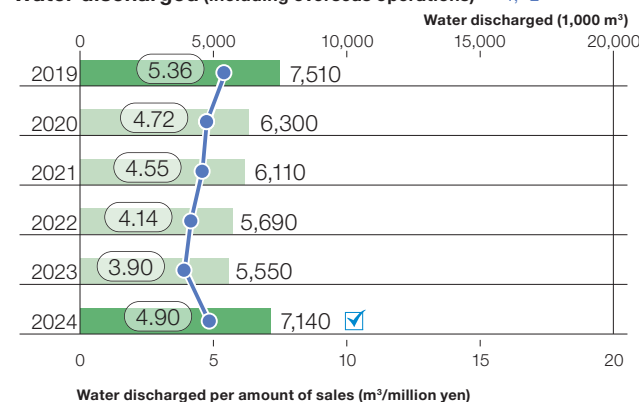
**VOC emissions (including overseas operations)** \*2



**Landfill waste amount (including overseas operations)** \*2



**Water discharged (including overseas operations)** \*1, \*2



\*1 FY2019 results include the results of CMIC CMO Co., Ltd.

\*2 FY2024 results include the results of CMIC CMO Co., Ltd., Tomoe Resin Co., Ltd., and DNP Scientific Analysis Center, Inc.