

Environmental Performance Data

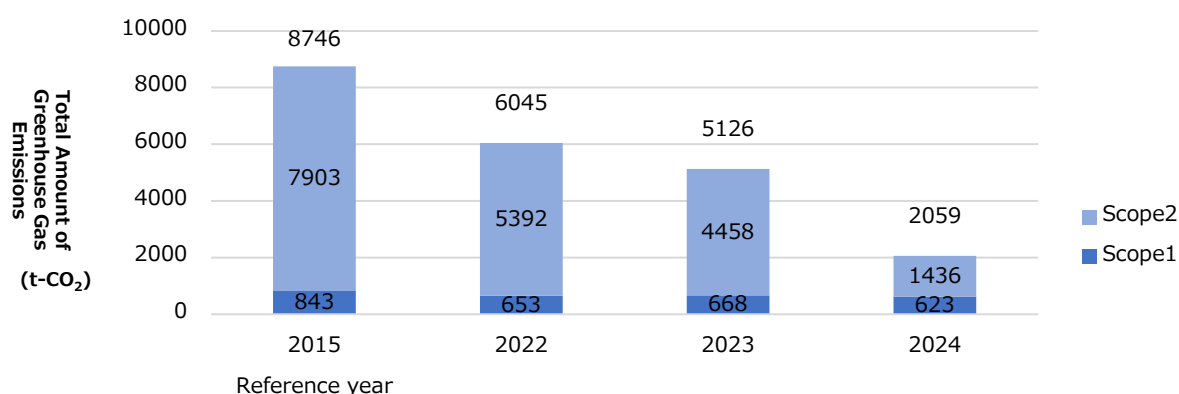
In order to conserve the environment surrounding our sites and comply with the regulations, we perform ongoing management of our facilities, as well as properly manage chemical substances to prevent pollution.

Also, we regularly monitor the environmental impact of our sites by assessing the actual amount of greenhouse gases, waste materials, and water resources emitted/used in our business operations.

Energy Consumption

Total Amount of Greenhouse Gas (GHG) Emissions (Scope 1, Scope 2)

The amount of greenhouse gas emissions from all our sites in Japan is converted to a CO₂ equivalent weight as shown below.



The above greenhouse gas emissions amount (t-CO₂) is calculated by taking the total of the WRI/WBCSD GHG Protocol Scope 1 and Scope 2 emission amounts.

[Conversion factor] Purchased electricity: Uses each electric company's conversion factor for the Act on the Rational Use of Energy report
 Liquefied petroleum gas: 6.527 tons of CO₂/1,000 m³,
 town gas: 2.23 tons of CO₂/1,000 m³,
 heat: 0.057 tons of CO₂/GJ, gasoline: 2.29 tons of CO₂/kL,
 light oil: 2.62 tons of CO₂/kL, kerosene: 2.5 tons of CO₂/kL

	Fiscal 2022	Fiscal 2023	Fiscal 2024
Scope1 + Scope2(tCO ₂)	6,045	5,126	2,059
Emission intensity (t-CO ₂ /working days)	25.08	21.63	8.62

Electricity Consumption

The amounts of electricity consumption at our main sites in Japan are shown below.

	Unit	Fiscal 2015 Reference year	Fiscal 2022	Fiscal 2023	Fiscal 2024
Total electricity	MWh	13,636	11,663	11,119	10,441
Renewable electricity	MWh	0	690	2,211	7,524
Renewable energy ratio	%	0.0	5.9	19.9	72.1

Total Amount of Greenhouse Gas (GHG) Emissions (Scope 3)

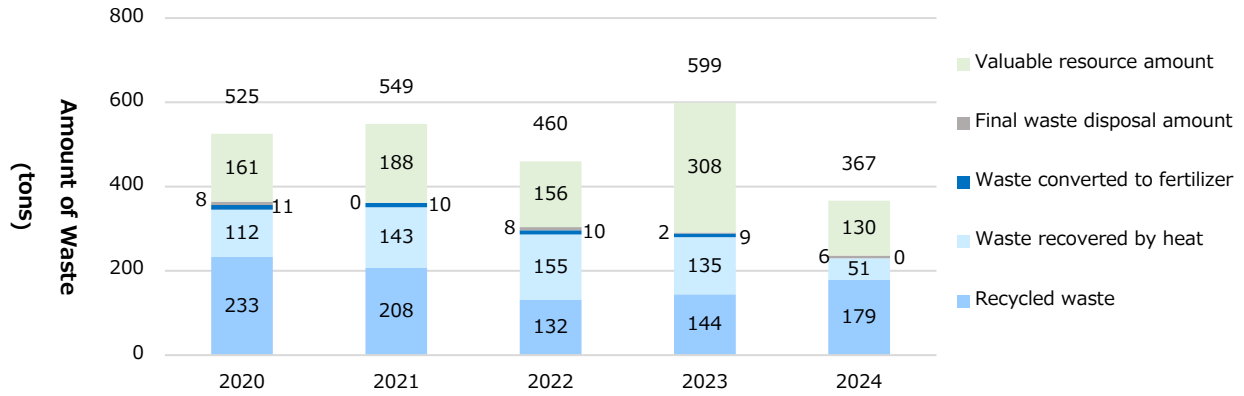
The amount of greenhouse gas emissions is converted to a CO₂ equivalent weight as shown below. Starting in fiscal year 2024, the calculation method for scanner products under Category 11 has been updated to utilize application data from the EcoLeaf Environmental Label.

Category	Category Name	Amount of Emission (t-CO ₂)				Ratio of amount for each category to entire amount for Scope 3 in fiscal 2024 (%)
		Fiscal 2015 Reference year	Fiscal 2022	Fiscal 2023	Fiscal 2024	
Category 1	Purchased goods and services	97,559.0	56,565.3	42,201.9	39,047.1	52.4
Category 2	Capital goods	4,580.3	4,127.3	12,889.9	3,174.9	4.3
Category 3	Fuel- and energy-related activities not included in Scope 1 or Scope 2	5,331.4	4,335.5	4,210.2	4,271.2	5.7
Category 4	Upstream transportation and distribution	611.7	491.0	467.0	455.6	0.6
Category 5	Waste generated in operations	62.1	44.0	41.3	88.4	0.1
Category 6	Business travel	991.5	703.8	893.2	899.5	1.2
Category 7	Employee commuting	3,997.2	2,453.2	2,653.7	702.0	0.9
Category 8	Upstream leased assets	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Category 9	Downstream transportation and distribution	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Category 10	Processing of sold products	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Category 11	Use of sold products	9,992.0	7,075.0	6,480.0	25,899.8	34.7
Category 12	End-of-life treatment of sold products	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Category 13	Downstream leased assets	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Category 14	Franchises	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Category 15	Investments	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Total		123,125.2	75,795.0	69,837.1	74,538.6	100.0

Amount of Waste

The total amount of waste generated at our business sites is as follows. We promote effective utilization through heat recovery, recycling, and other means at all office and factory sites.

We set a goal for 5% or more reduction in the amount of waste, down to 527 tons or less from the 555 ton average of fiscal years 2012 to 2014. Our actual results from fiscal 2024 were 236 tons (-57%).

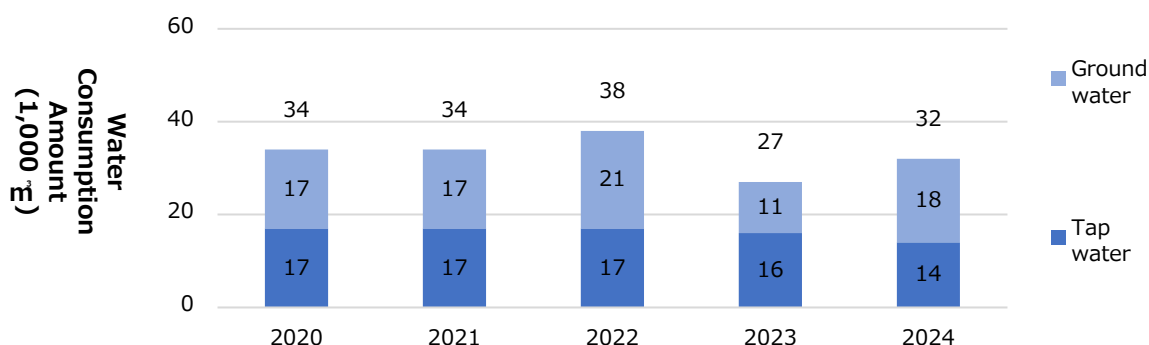


Emissions	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Final waste disposal amount	8	0	8	2	6
Waste converted to fertilizer	11	10	10	9	0
Waste recovered by heat	112	143	155	135	51
Recycled waste	233	208	132	144	179
Waste generation amount	364	361	304	291	236
Valuable resource amount	161	188	156	308	130
Total emissions (waste generation + valuable resource)	525	549	460	599	367

Water Consumption/Water Drainage

The amount of water consumption and water drainage for our main sites in Japan is shown below.

■ Water Consumption Amount

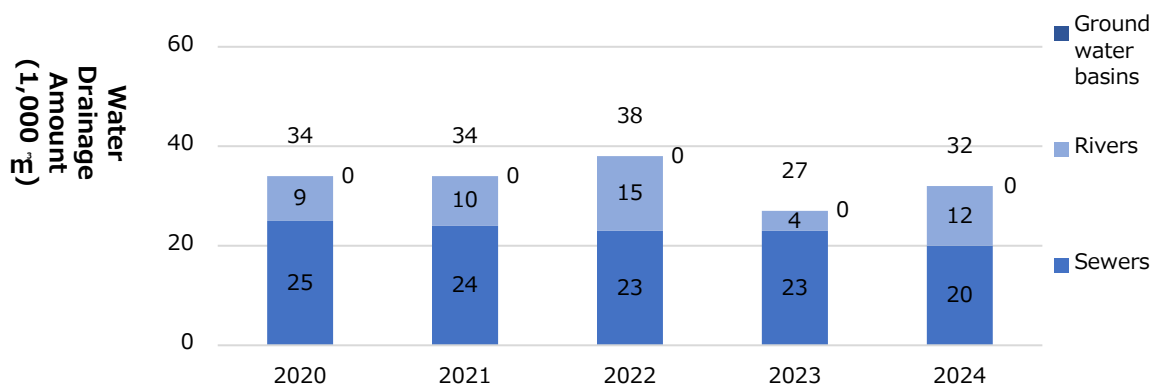


At each site, we use tap water for domestic use and to humidify the office in winter. At our Headquarters, we use ground water to water our plants in summer, and at our Headquarters and the ProDeS Center, we use ground water to melt snow. We use water for our every day needs at our company sites, not for industrial purposes.

For our total water consumption amount, we set a target to reduce it by 1% or more to an amount of 35,600 m³ or less compared to the reference year of 2018. In fiscal 2024, we achieved our target with a result of 32,000 m³ (a 10% reduction). Snowfall was heavier than in the previous fiscal year, resulting in increased use of groundwater (for snow melting).

Our water is used for everyday purposes. We do not have any water that can be reused or recycled.

■ Water Drainage Amount



Tap water used for domestic uses drains into the sewer. Ground water used to melt snow drains into the rivers, and water used to water plants drains underground. We have been continuously monitoring and measuring water quality by using our own self management values in order to ensure the quality of water that drains from our main sites.

In fiscal 2024, the amount of groundwater used for snowmelt increased, resulting in an increase in the amount of water discharged into rivers.

Results in Handling of Chemical Substances

We tally the amount of chemical substances that are used for purposes such as designing, developing, evaluating, manufacturing, maintaining, or cleaning up the premises no matter how much there is.

■ Chemical Substances Subject to PRTR Law

The amount of chemical substances subject to the PRTR law that were handled in fiscal 2024 is shown below. None of the chemical substances were in excess of the annual values which require the relevant prefectural authorities to be notified (*4).

We set a goal to limit the amount we handle to less than the average of fiscal years 2012 to 2014, which was 0.132 tons. Results for fiscal 2024 were 0.165 tons (up 25.0%) due to measures such as promoting the disposal of unnecessary solder (lead compounds).

Annual Handled Amount of Chemical Substances Subject to the PRTR Law

(Class I Specified Chemical Substances)

(Tons)

Chemical Substance Name	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
n-Alkylbenzenesulfonic acid and its salts	0.044	0.031	0.031	0.036	0.034
2-aminoethanol	0.027	0.025	0.019	0.025	0.027
Poly(oxyethylene) alkyl ether	0.025	0.021	0.023	0.026	0.019
N,N-Bis(2-hydroxyethyl)alkanamide (*5)	-	-	-	0.017	0.017
Silver and its water-soluble compounds	0.031	0.022	0.019	0.012	0.013
Lead and its compounds	0.000	0.000	0.000	0.000	0.012
Other	0.009	0.008	0.007	0.023	0.043
Total	0.136	0.107	0.098	0.140	0.165

*4: 1 ton or more per year for Class I Specified Chemical Substances, 0.5 tons or more per year for Special Class I Specified Chemical Substances.

*5: Added as a target chemical substance due to enforcement of PRTR Law revision in April 2023.

■ VOC (Volatile Organic Compound)

Although there are no specific facilities that are subject to VOC emission control, we make an independent effort to maintain and manage the amount of VOCs handled.

We set a goal to limit the amount we handle to less than the average of fiscal years 2012 to 2014, which was 1.266 tons. Our actual results for fiscal 2024 increased due to the inclusion of ethanol used in cleaning and disinfection agents. However, the overall volume was reduced to 0.905 tons, achieving a 28.5% decrease and meeting the target.

Annual Amount of VOC Handled

(Tons)

Chemical Substance Name	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Isopropyl alcohol	0.790	0.809	0.465	0.360	0.346
Butyl acetate	0.046	0.058	0.074	0.040	0.046
Ethanol	0.097	0.053	0.052	0.110	0.484
Other	0.017	0.018	0.023	0.014	0.028
Total	0.950	0.938	0.614	0.524	0.905

■ Greenhouse Gases

The amount of greenhouse gases that were handled in fiscal 2024 is shown below. The annual amount handled in fiscal 2024 is converted to a CO₂ equivalent weight of approximately 8 tons.

Our reduction target for the amount (tons) of greenhouse gas emissions handled applies to reduction at all our sites.

Annual amount of greenhouse gases handled (Converted to CO₂)

(Tons)

Chemical Substance Name	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
1,1,1,2-tetrafluoroethane (HFC-134a)	11.517	7.061	6.155	4.119	7.669
1,1-Difluoroethane (HFC-152a)	0.054	0.059	0.233	0.107	0.000
CO ₂	0.001	0.000	0.000	0.020	0.005
Total	11.572	7.120	6.388	4.246	7.674

Compliance with All Environmental Laws and Regulations.

In order to conserve the environment surrounding our sites and comply with laws and regulations, we will regularly measure water quality, noise output, and vibration output.

Water Quality Measurement Results

We make efforts to maintain the water quality of drainage from Headquarters, the ProDeS Center, and the PFU Techno Wise Takamatsu Warehouse. The results of the measurement did not exceed the legal regulations, and there was no problem with water quality.

	Regulated substances	Unit	Regulation value	Fiscal 2024 measured value	Evaluation
Headquarters (Bld. A & B)	Hydrogen ion concentration (pH)	-	Between 5 & 9	8.2	✓
	Biochemical oxygen demand (BOD)	mg/L	Less than 600	290	
	Suspended substances (SS)	mg/L	Less than 600	330	
	Mineral oil	mg/L	5 or less	Less than 0.5	
	Animal and plant oils	mg/L	30 or less	11	
	Ammonium-nitrogen, nitrite-nitrogen and nitrate-nitrogen content	mg/L	Less than 380	15	
Headquarters (Bld. E)	Hydrogen ion concentration (pH)	-	Between 5 & 9	7.9	✓
	Biochemical oxygen demand (BOD)	mg/L	Less than 600	1.3	
	Suspended substances (SS)	mg/L	Less than 600	2	
	Mineral oil	mg/L	5 or less	Less than 0.5	
	Animal and plant oils	mg/L	30 or less	Less than 0.5	
	Ammonium-nitrogen, nitrite-nitrogen and nitrate-nitrogen content	mg/L	Less than 380	15	
Headquarters (Anechoic Chamber)	Hydrogen ion concentration (pH)	-	Between 5 & 9	8.0	✓
	Biochemical oxygen demand (BOD)	mg/L	Less than 600	2.5	
	Suspended substances (SS)	mg/L	Less than 600	1	
	Mineral oil	mg/L	5 or less	Less than 0.5	
	Animal and plant oils	mg/L	30 or less	Less than 0.5	
	Ammonium-nitrogen, nitrite-nitrogen and nitrate-nitrogen content	mg/L	Less than 380	1	
ProDeS Center	Hydrogen ion concentration (pH)	-	Between 5 & 9	8.6	✓
	Biochemical oxygen demand (BOD)	mg/L	Less than 600	82	
	Suspended substances (SS)	mg/L	Less than 600	72	
	Mineral oil	mg/L	5 or less	Less than 0.5	
	Animal and plant oils	mg/L	30 or less	8.8	
	Ammonium-nitrogen, nitrite-nitrogen and nitrate-nitrogen content	mg/L	Less than 380	10	
PFU Techno Wise Takamatsu Warehouse (Bld. 2 & 3)	Hydrogen ion concentration (pH)	-	Between 5 & 9	7.5	✓
	Biochemical oxygen demand (BOD)	mg/L	Less than 600	2	
	Suspended substances (SS)	mg/L	Less than 600	3	
	Mineral oil	mg/L	5 or less	Less than 1	
	Animal and plant oils	mg/L	30 or less	Less than 1	
	Ammonium-nitrogen, nitrite-nitrogen and nitrate-nitrogen content	mg/L	Less than 380	0.6	

■ Noise/Vibration Measurement

At our headquarters, we regularly measure the noise and vibration generated by our business activities (once every five years).

We performed measurements on June 10, 2020, and confirmed that all values did not exceed the legal regulations (next measurement planned for fiscal 2025).

Noise Measurement Results

	Noise	Unit	Regulation value	Fiscal 2020 measured value				Evaluation
				Bld. E north side	Bld. A southwest side	Anechoic chamber north side	South side parking lot	
Headquarters	Daytime	dB	65 or less	34	47	46	-	✓
	Morning	dB	60 or less	34	47	46	-	
	Evening	dB	60 or less	34	47	46	-	
	Nighttime	dB	50 or less	34	47	46	-	
	Daytime	dB	60 or less (*6)	-	-	-	40	
	Morning	dB	55 or less (*6)	-	-	-	40	
	Evening	dB	55 or less (*6)	-	-	-	40	
	Nighttime	dB	45 or less (*6)	-	-	-	40	

*6: Because the parking lot is in an area within 50m of the borders of school grounds, the legal regulations are five decibels lower.

Vibration Measurement Results

	Vibration	Unit	Regulation value	Fiscal 2020 measured value				Evaluation
				Bld. E north side	Bld. A southwest side	Anechoic chamber north side	South side parking lot	
Headquarters	Daytime	dB	65 or less	27	30	31	-	✓
	Nighttime	dB	50 or less	27	30	31	-	
	Daytime	dB	60 or less (*7)	-	-	-	29	
	Nighttime	dB	45 or less (*7)	-	-	-	29	

*7: Because the parking lot is in an area within 50m of the borders of school grounds, the legal regulations are five decibels lower.