Environmental Data

Climate Change Countermeasures

Greenhouse Gas Emissions

| | | Boundary | Unit | FY2014 (Base year) | FY2018 (Reference value after adjustment [*]) | FY2019 | FY2020 | FY2021 | FY2022 |
|---|-----------------------|---|-----------------------------|-----------------------|--|--------|--------|--------|--------|
| Greenhouse gas emissions (Scope1+Scope2) | Nisshinbo Group Total | | Thousand t-CO2e | 679.4 | 636.3 | 592.4 | 564.1 | 567.4 | 438.0 |
| CO ₂ emissions | Nisshinbo Group | Subtotal | Thousand t-CO2 | 644.8 | 560.0 | 531.7 | 505.1 | 503.1 | 370.2 |
| | | Direct emissions | Thousand t-CO2 | 247.0 | 187.0 | 183.1 | 187.7 | 173.7 | 66.7 |
| | | Energy related indirect emissions | Thousand t-CO2 | 397.7 | 373.0 | 348.6 | 317.4 | 329.4 | 303.4 |
| Other greenhouse gas emissions | Nisshinbo Group | Subtotal | Thousand t-CO2e | 34.6 | 76.3 | 60.7 | 59.0 | 64.2 | 67.9 |
| | | SF6 (sulfur hexafluoride) | Thousand t-CO2e | 1.1 | 5.1 | 4.5 | 9.0 | 5.7 | 6.7 |
| | | PFCs (perfluorocarbons) | Thousand t-CO2e | 25.9 | 56.9 | 48.0 | 46.8 | 55.9 | 56.8 |
| | | HFCs (hydrofluorocarbons) | Thousand t-CO2e | 5.3 | 13.7 | 7.9 | 3.0 | 2.5 | 3.8 |
| | | N2O (dinitrogen monoxide) | Thousand t-CO _{2e} | 1.9 | 0.4 | 0.1 | 0.0 | 0.0 | 0.1 |
| | | NF3 (nitrogen trifluoride) | Thousand t-CO _{2e} | _ | 0.09 | 0.03 | 0.01 | 0.03 | 0.02 |
| | | CH4 (methane) | Thousand t-CO _{2e} | 0.34 | 0.01 | 0.01 | 0.00 | 0.00 | 0.41 |
| | | CO ₂ from non-energy related | Thousand t-CO _{2e} | 0.05 | 0.07 | 0.05 | 0.07 | 0.07 | 0.08 |

* In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

Greenhouse Gas Emissions by Business Segment

| | B | oundary | Unit | FY2014 (Base year) | FY2018 (Reference value after adjustment ^{*1}) | FY2019 | FY2020 | FY2021 | FY2022 |
|----------------------------|------------------------------|----------|-----------------------------|-----------------------|---|--------|--------|--------|--------|
| Greenhouse gas emissions | Nisshinbo Group | Total | Thousand t-CO _{2e} | 679.4 | 636.3 | 592.4 | 564.1 | 567.4 | 438.0 |
| Scope1 by business segment | Nisshinbo Group | Subtotal | Thousand t-CO _{2e} | 281.7 | 263.4 | 243.8 | 246.7 | 237.9 | 134.6 |
| | (Electronics ^{*2}) | | Thousand t-CO _{2e} | (39.6) | (79.5) | _ | - | - | - |
| | Wireless and Communica | itions | Thousand t-CO _{2e} | 5.2 | 5.2 | 5.3 | 5.1 | 5.4 | 5.9 |
| | Micro Devices | | Thousand t-CO _{2e} | 34.4 | 74.3 | 63.3 | 66.1 | 72.0 | 74.4 |
| | Automobile Brakes | | Thousand t-CO _{2e} | 26.7 | 25.9 | 25.8 | 23.8 | 27.1 | 25.9 |
| | Precision Instruments | | Thousand t-CO _{2e} | 0.6 | 1.8 | 1.5 | 1.2 | 1.1 | 1.2 |
| | Chemicals | | Thousand t-CO _{2e} | 4.8 | 12.1 | 6.1 | 1.6 | 0.8 | 1.7 |
| | Textiles | | Thousand t-CO _{2e} | 166.1 | 143.8 | 141.6 | 148.7 | 131.3 | 25.4 |
| | Paper Products ^{*3} | | Thousand t-CO _{2e} | 43.5 | - | — | _ | _ | _ |
| | Others | | Thousand t-CO _{2e} | 0.4 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 |
| Scope2 by business segment | Nisshinbo Group | Subtotal | Thousand t-CO _{2e} | 397.7 | 373.0 | 348.6 | 317.4 | 329.4 | 303.4 |
| | (Electronics ^{*2}) | | Thousand t-CO _{2e} | (85.3) | (93.9) | _ | _ | _ | _ |
| | Wireless and Communica | itions | Thousand t-CO _{2e} | 19.2 | 16.3 | 16.2 | 17.9 | 19.2 | 19.3 |
| | Micro Devices | | Thousand t-CO _{2e} | 66.1 | 77.6 | 75.6 | 84.3 | 86.4 | 75.8 |
| | Automobile Brakes | | Thousand t-CO _{2e} | 146.9 | 124.9 | 112.4 | 97.5 | 102.5 | 87.0 |
| | Precision Instruments | | Thousand t-CO _{2e} | 32.4 | 75.1 | 68.9 | 60.0 | 63.3 | 62.8 |
| | Chemicals | | Thousand t-CO _{2e} | 5.0 | 5.0 | 4.3 | 4.7 | 5.9 | 5.7 |
| | Textiles | | Thousand t-CO _{2e} | 72.8 | 68.4 | 66.1 | 47.8 | 47.8 | 48.7 |
| | Paper Products ^{*3} | | Thousand t-CO _{2e} | 47.6 | | - | - | _ | - |
| | Others | | Thousand t-CO _{2e} | 7.9 | 5.6 | 5.1 | 5.2 | 4.4 | 4.1 |

*1 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

*2 In FY2019, the Electronics business was separated into the Wireless and Communications business and the Micro Devices business.

*3 The Paper Products business was transferred in April 2017.

[Calculation method]

•Scope1 :

Energy related Greenhouse Gas Emissions = Σ [Fuel Consumption × CO₂ Emission Factor^{*1}]

Non-Energy related Greenhouse Gas Emissions = Non-Energy related CO₂ Emissions + Σ [Greenhouse Gas Emissions other than CO₂ × Global Warming Potential^{*2}] *1 Emission factors based on the Act on Promotion of Global Warming Countermeasures are used. Coal, however, uses a factor calculated based on actual calorific values is used, and 1.896 t-CO₂/t is used for FY2022.

*2 Global warming potential based on the Act on Promotion of Global Warming Countermeasures.

•Scope2 :

Energy-related Greenhouse Gas Emissions = Σ [Purchased Electricity and Purchased Steam Volume x CO₂ Emission Factor^{*3}]

*3 Purchased electricity uses, in Japan, adjusted emission factors for each electric company based on the Act on Promotion of Global Warming Countermeasures, and the in foreign countries, the emission factors for each electric company, and if unavailable, the latest country-specific emission factors of IEA Emissions Factors. Data for FY2021 and earlier use country-specific emission factors for each year from "IEA Emissions Factors 2021". Purchased steam uses emission factors based on the Act on Promotion of Global Warming Countermeasures. [Subject Organizations]

In FY2022, a total of 100 companies, including Nisshinbo Holdings Inc. and 99 consolidated subsidiaries, were counted.

Greenhouse Gas Emissions in Japan and Overseas

| | Boundary | | Unit | FY2014 (Base year) | FY2018 (Reference value after adjustment [*]) | FY2019 | FY2020 | FY2021 | FY2022 |
|--------------------------|----------------------------|-----------------------|-----------------------------|-----------------------|--|--------|--------|--------|--------|
| Greenhouse gas emissions | Nisshinbo Group Total | Nisshinbo Group Total | | 679.4 | 636.3 | 592.4 | 564.1 | 567.4 | 438.0 |
| | Nisshinbo Group (Japan) | Emissions | Thousand t-CO _{2e} | 284.8 | 248.0 | 220.7 | 217.5 | 228.2 | 217.1 |
| | | Ratio | % | 42% | 39% | 37% | 39% | 40% | 50% |
| | Nisshinbo Group (Overseas) | Emissions | Thousand t-CO2e | 394.6 | 388.3 | 371.7 | 346.5 | 339.2 | 221.0 |
| | | Ratio | % | 58% | 61% | 63% | 61% | 60% | 50% |

* In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

Greenhouse Gas Emissions (Scope3)

| | | Boundary | Unit | FY2018 (Reference value after adjustment ^{*1}) | FY2019 | FY2020 | FY2021 | FY2022 |
|-----------------------------------|-----------------|--|-----------------|---|---------|---------|---------|---------|
| Greenhouse gas emissions (Scope3) | Nisshinbo Group | Total | Thousand t-CO2e | 1,398.7 | 1,870.5 | 1,611.0 | 1,692.1 | 1,604.5 |
| | | 1. Purchased goods and services | Thousand t-CO2e | 903.0 | 930.9 | 975.0 | 1,110.6 | 1,031.3 |
| | | 2. Capital goods | Thousand t-CO2e | 88.1 | 102.8 | 84.3 | 86.3 | 91.6 |
| | | 3. Fuel- and energy-related activities not included in Scope1 or Scope2 | Thousand t-CO2e | 40.9 | 72.2 | 66.4 | 78.2 | 65.3 |
| | | 4. Upstream transport and delivery | Thousand t-CO2e | 32.8 | 65.7 | 73.7 | 37.6 | 41.4 |
| | | 5. Waste generated in operations | Thousand t-CO2e | 3.3 | 9.1 | 6.9 | 6.2 | 6.9 |
| | | 6. Business travel | Thousand t-CO2e | 3.6 | 3.6 | 3.6 | 3.3 | 3.4 |
| | | 7. Employee commuting | Thousand t-CO2e | 12.1 | 11.3 | 11.3 | 10.4 | 11.0 |
| | | 8. Leased assets (upstream) | Thousand t-CO2e | 0.2 | 0.1 | 2.4 | 4.8 | 2.9 |
| | | Downstream transportation and delivery | Thousand t-CO2e | 5.9 | 85.3 | 45.3 | 41.8 | 44.5 |
| | | 10.Processing of sold products | Thousand t-CO2e | 30.9 | 92.3 | 31.0 | 27.1 | 25.0 |
| | | 11.Use of sold products | Thousand t-CO2e | 197.4 | 298.5 | 229.2 | 216.4 | 205.3 |
| | | 12.End-of-life treatment of sold products | Thousand t-CO2e | 23.8 | 16.6 | 32.6 | 34.7 | 36.7 |
| | | 13.Downstream leased assets | Thousand t-CO2e | 24.3 | 147.4 | 16.7 | 15.6 | 15.9 |
| | | 14.Franchises | Thousand t-CO2e | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | 15.Investments | Thousand t-CO2e | 32.3 | 34.6 | 32.4 | 19.0 | 23.4 |

*1 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.
*2 Scope 3 figures are from calculation of all of the categories summarized below. Calculations are based on the Basic Guidelines Related to Calculating Greenhouse Gas Emissions throughout the Supply Chain (ver. 3.2), Ministry of the Environment. Some information is taken from LCA results.

Energy Conservation

Energy Inputs

| | | Boundary | / | Unit | FY2014 (Base year) | FY2018 (Reference value after adjustment [*]) | FY2019 | FY2020 | FY2021 | FY2022 |
|--------------------------|---------------------------------------|-------------|------------------------------|------------|-----------------------|--|--------|--------|--------|--------|
| Total energy consumption | Nisshinbo Group | Total | tal | | 11.22 | 10.94 | 10.55 | 9.72 | 9.96 | 8.94 |
| Renewable energy | vable energy Nisshinbo Group Subtotal | | | Million GJ | 0.01 | 0.16 | 0.18 | 0.01 | 0.07 | 0.74 |
| | | Electricity | Self-generated amount | Million GJ | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 |
| | | | Purchased amount | Million GJ | - | - | - | - | - | 0.61 |
| | | Biofuel | Coconut shells, etc. | Million GJ | - | 0.15 | 0.17 | 0.00 | 0.06 | 0.10 |
| Non-renewable energy | Nisshinbo Group | Subtotal | | Million GJ | 11.21 | 10.78 | 10.37 | 9.71 | 9.89 | 8.20 |
| | | Electricity | Purchased amount | Million GJ | 7.81 | 8.27 | 7.93 | 7.25 | 7.58 | 7.07 |
| | | Gas | Town gas | Million GJ | 1.03 | 0.72 | 0.73 | 0.67 | 0.73 | 0.74 |
| | | | LPG, LNG, etc. | Million GJ | 0.24 | 0.14 | 0.09 | 0.07 | 0.07 | 0.07 |
| | | Fuel oil | Heavy oil, Kerosene, etc. | Million GJ | 0.42 | 0.13 | 0.11 | 0.10 | 0.10 | 0.11 |
| | | Solid fuel | Coal | Million GJ | 1.71 | 1.51 | 1.50 | 1.60 | 1.41 | 0.21 |
| | | Others | Steam | Million GJ | 0.00 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |

* In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

Energy Inputs by Business Segment

| | Boundary | Unit | FY2014 (Base year) | FY2018 (Reference value after adjustment ^{*1}) | FY2019 | FY2020 | FY2021 | FY2022 |
|--------------------------|------------------------------|------------|-----------------------|---|--------|--------|--------|--------|
| Total energy consumption | Nisshinbo Group | Million GJ | 11.22 | 10.94 | 10.55 | 9.72 | 9.96 | 8.94 |
| By business segment | (Electronics ^{*2}) | Million GJ | (1.79) | (2.64) | - | - | - | - |
| | Wireless and Communications | Million GJ | 0.46 | 0.46 | 0.48 | 0.52 | 0.53 | 0.54 |
| | Micro Devices | Million GJ | 1.33 | 2.18 | 2.09 | 2.07 | 2.13 | 2.13 |
| | Automobile Brakes | Million GJ | 3.63 | 3.43 | 3.30 | 3.06 | 3.24 | 2.99 |
| | Precision Instruments | Million GJ | 0.59 | 1.43 | 1.31 | 1.15 | 1.19 | 1.18 |
| | Chemicals | Million GJ | 0.10 | 0.12 | 0.10 | 0.11 | 0.13 | 0.13 |
| | Textiles | Million GJ | 3.29 | 3.20 | 3.16 | 2.70 | 2.64 | 1.87 |
| | Paper Products ^{*3} | Million GJ | 1.67 | - | _ | _ | _ | - |
| | Others | Million GJ | 0.15 | 0.12 | 0.12 | 0.12 | 0.10 | 0.10 |

*1 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period.
For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.
*2 In FY2019, the Electronics business was separated into the Wireless and Communications business and the Micro Devices business.

*3 The Paper Products business was transferred in April 2017.

Resource Conservation

Raw Material Inputs

| | | Boundary | Unit | FY2018 (Reference value after adjustment [*]) | FY2019 | FY2020 | FY2021 | FY2022 |
|---------------------|-----------------|---|------------|--|--------|--------|--------|--------|
| Raw material inputs | Nisshinbo Group | Total | Thousand t | 295.6 | 284.1 | 229.5 | 264.2 | 204.5 |
| Raw materials | Nisshinbo Group | Steel | Thousand t | 94.4 | 92.9 | 76.8 | 89.9 | 43.0 |
| | | Chemical substances | Thousand t | 63.4 | 54.0 | 43.6 | 45.7 | 57.2 |
| | | Brake friction materials | Thousand t | 79.5 | 77.0 | 62.2 | 75.9 | 57.8 |
| | | Raw cotton, cotton yarn | Thousand t | 32.1 | 34.0 | 23.2 | 25.4 | 22.0 |
| | | Other materials (packing materials, etc.) | Thousand t | 26.3 | 26.2 | 23.7 | 27.3 | 24.5 |

* In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

Office Paper Purchased^{*1}

| | Boundary | Unit | FY2018 (Reference value after adjustment ^{*2}) | FY2019 | FY2020 | FY2021 | FY2022 |
|------------------------|-----------------|-----------------|---|--------|--------|--------|--------|
| Office paper purchased | Nisshinbo Group | Thousand sheets | 53,531 | 65,737 | 57,100 | 46,648 | 47,103 |

*1 The amount of OA paper purchased is calculated by converting to A4 paper.

*2 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

Volume of Waste Generated

| | Boundary | Unit | FY2018 (Reference value after adjustment ^{*1}) | FY2019 | FY2020 | FY2021 | FY2022 |
|------------------------------|------------------------------|------------|---|--------|--------|--------|--------|
| Volume of waste generated | Nisshinbo Group | Thousand t | 60.6 | 59.4 | 53.0 | 55.7 | 51.8 |
| By business segment | (Electronics ^{*2}) | Thousand t | (5.0) | _ | _ | _ | _ |
| | Wireless and Communications | Thousand t | 2.7 | 3.2 | 4.0 | 3.3 | 2.9 |
| | Micro Devices | Thousand t | 2.2 | 1.6 | 1.4 | 1.6 | 1.5 |
| | Automobile Brakes | Thousand t | 28.0 | 26.6 | 24.0 | 27.1 | 25.6 |
| | Precision Instruments | Thousand t | 11.6 | 11.5 | 10.1 | 10.9 | 11.5 |
| | Chemicals | Thousand t | 0.7 | 0.3 | 0.3 | 0.4 | 0.3 |
| | Textiles | Thousand t | 15.2 | 16.0 | 13.0 | 12.3 | 9.7 |
| | Others | Thousand t | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Breakdown of waste generated | Nisshinbo Group Recycle | Thousand t | 47.8 | 48.6 | 44.9 | 48.9 | 43.4 |
| | Landfill | Thousand t | 12.8 | 10.7 | 8.1 | 6.8 | 8.4 |

*1 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period.
For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.
*2 In FY2019, the Electronics business was separated into the Wireless and Communications business and the Micro Devices business.

Recycling Rate

| | Boundary | Unit | FY2018 (Reference value after adjustment ^{*1}) | FY2019 | FY2020 | FY2021 | FY2022 |
|---------------------|------------------------------|------|---|--------|--------|--------|--------|
| Recycling rate | Nisshinbo Group | % | 78.9 | 81.9 | 84.7 | 87.8 | 83.9 |
| By business segment | (Electronics ^{*2}) | % | (96.8) | - | - | - | _ |
| , , | Wireless and Communications | % | 98.5 | 94.9 | 95.3 | 94.8 | 95.8 |
| | Micro Devices | % | 94.4 | 93.1 | 93.5 | 93.3 | 94.4 |
| | Automobile Brakes | % | 64.1 | 74.2 | 78.0 | 80.2 | 72.9 |
| | Precision Instruments | % | 88.5 | 90.1 | 89.7 | 91.9 | 93.4 |
| | Chemicals | % | 93.4 | 98.8 | 97.2 | 94.4 | 91.5 |
| | Textiles | % | 92.3 | 84.7 | 88.7 | 98.1 | 96.3 |
| | Others | % | 94.7 | 94.5 | 93.5 | 94.3 | 88.0 |

*1 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period.
For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.
*2 In FY2019, the Electronics business was separated into the Wireless and Communications business and the Micro Devices business.

Water Resources

| Mater Input | | | | | | | | | |
|---------------------------------|------------------------------|-------------------------------|-------------------------|-----------------------|---|--------|--------|--------|--------|
| | Bounda | ary | Unit | FY2014 (Base year) | FY2018 (Reference value after adjustment ^{*1}) | FY2019 | FY2020 | FY2021 | FY2022 |
| Water usage | Nisshinbo Group | | Thousand m ³ | 27,981 | 10,308 | 9,384 | 8,346 | 7,042 | 6,176 |
| Water usage by business segment | (Electronics ^{*2}) | | Thousand m ³ | (1,978) | (1,628) | _ | _ | _ | _ |
| Wireless and Communications | | | Thousand m ³ | 843 | 319 | 435 | 479 | 463 | 462 |
| | Micro Devices | | Thousand m ³ | 1,136 | 1,309 | 1,289 | 1,265 | 1,252 | 1,253 |
| | Automobile Brakes | | Thousand m ³ | 575 | 443 | 393 | 311 | 335 | 332 |
| | Precision Instruments | | Thousand m ³ | 643 | 1,169 | 1,047 | 831 | 791 | 721 |
| | Chemicals | | Thousand m ³ | 188 | 119 | 126 | 109 | 107 | 107 |
| | Textiles | | Thousand m ³ | 11,215 | 6,926 | 6,068 | 5,327 | 4,079 | 3,284 |
| | Paper Products ^{*3} | | Thousand m ³ | 13,366 | - | - | - | - | - |
| | Others | | Thousand m ³ | 17 | 24 | 27 | 23 | 16 | 17 |
| Breakdown of water usage | Nisshinbo Group Surface wate | er Tap water | Thousand m ³ | 665 | 902 | 811 | 800 | 829 | 810 |
| | | Industrial water, river water | Thousand m ³ | 12,804 | 1,021 | 1,151 | 1,036 | 898 | 652 |
| | Groundwate | - | Thousand m ³ | 14,513 | 8,385 | 7,419 | 6,508 | 5,314 | 4,713 |
| | Rain water | | Thousand m ³ | 0 | 0 | 4 | 2 | 1 | 1 |
| Water usage per unit of sales | Nisshinbo Group | Nisshinbo Group | | 53 | 20 | 18 | 18 | 14 | 12 |
| Volume of water recycled | Nisshinbo Group | | Thousand m ³ | 3,547 | 1,053 | 743 | 741 | 796 | 967 |

*1 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

*2 In FY2019, the Electronics business was separated into the Wireless and Communications business and the Micro Devices business.

*3 The Paper Products business was transferred in April 2017.

Water Effluents Discharged

| | Boundary | Unit | FY2014 (Base year) | FY2018 (Reference value after adjustment ^{*1}) | FY2019 | FY2020 | FY2021 | FY2022 |
|---|------------------------------|-------------------------|-----------------------|---|--------|--------|--------|--------|
| Water effluents discharged | Nisshinbo Group | Thousand m ³ | 27,166 | 9,691 | 8,893 | 7,942 | 6,707 | 5,554 |
| Water effluents discharged by business | (Electronics ^{*2}) | Thousand m ³ | (1,607) | (1,337) | - | - | - | _ |
| segment | Wireless and Communications | Thousand m ³ | 714 | 306 | 422 | 453 | 453 | 462 |
| | Micro Devices | Thousand m ³ | 893 | 1,031 | 1,041 | 997 | 990 | 903 |
| | Automobile Brakes | Thousand m ³ | 460 | 344 | 375 | 310 | 357 | 259 |
| | Precision Instruments | Thousand m ³ | 587 | 1,073 | 946 | 794 | 763 | 692 |
| | Chemicals | Thousand m ³ | 169 | 103 | 113 | 105 | 104 | 105 |
| | Textiles | Thousand m ³ | 10,931 | 6,810 | 5,971 | 5,262 | 4,023 | 3,117 |
| | Paper Products ^{*3} | Thousand m ³ | 12,890 | - | - | - | | _ |
| | Others | Thousand m ³ | 523 | 24 | 25 | 22 | 15 | 16 |
| Breakdown of water effluents discharged | Nisshinbo Group Public water | Thousand m ³ | 19,956 | 7,750 | 6,893 | 6,018 | 4,804 | 4,064 |
| | Sewerage | Thousand m ³ | 7,210 | 1,941 | 2,000 | 1,924 | 1,903 | 1,489 |

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For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.
*2 In FY2019, the Electronics business was separated into the Wireless and Communications business and the Micro Devices business.

*3 The Paper Products business was transferred in April 2017.

Volume of PRTR Substances Handled

| | Boundary | Unit | FY2014 (Base year) | FY2018 (Reference value after adjustment ^{*1}) | FY2019 | FY2020 | FY2021 | FY2022 |
|---|------------------------------|------|-----------------------|---|---------|---------|---------|---------|
| Volume of PRTR substances handled | Nisshinbo Group | t | 3,228 | 3,048 | 2,817 | 2,555 | 2,799 | 2,625 |
| By business segment | (Electronics ^{*2}) | t | (83.2) | (84.9) | - | | - | - |
| | Wireless and Communications | t | 35.0 | 37.6 | 41.0 | 122.2 | 138.4 | 164.1 |
| | Micro Devices | t | 48.2 | 47.3 | 46.0 | 48.4 | 54.6 | 51.6 |
| | Automobile Brakes | t | 1,874.4 | 1,599.0 | 1,529.0 | 1,267.3 | 1,446.7 | 1,232.2 |
| | Precision Instruments | t | 18.7 | 24.2 | 21.0 | 11.9 | 7.5 | 11.1 |
| | Chemicals | t | 641.7 | 990.0 | 770.0 | 722.3 | 756.3 | 726.5 |
| | Textiles | t | 539.4 | 348.1 | 407.0 | 382.8 | 395.5 | 439.4 |
| | Paper Products ^{*3} | t | 69.5 | - | - | _ | - | _ |
| <u>'olume of PRTR substances handled</u> By business segment | Others | t | 1.1 | 2.0 | 3.0 | 0.0 | 0.0 | 0.0 |

 *1 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.
 *2 In FY2019, the Electronics business was separated into the Wireless and Communications business and the Micro Devices business.

*3 The Paper Products business was transferred in April 2017.

Volume of PRTR Substance Emissions^{*1}

| | Boundary | Unit | FY2014 (Base year) | FY2018 (Reference value after adjustment ^{*2}) | FY2019 | FY2020 | FY2021 | FY2022 |
|---|------------------------------|----------------|-----------------------|---|--------|--------|--------|--------|
| Volume of PRTR substance emissions | Nisshinbo Group | t | 37.5 | 33.4 | 32.7 | 23.9 | 17.5 | 21.2 |
| By business segment | (Electronics ^{*3}) | t | (10.6) | (8.9) | - | — | — | - |
| | Wireless and Communications | t | 10.5 | 8.8 | 10.3 | 10.7 | 6.3 | 5.8 |
| | Micro Devices | t | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| | Automobile Brakes | t | 5.7 | 5.6 | 5.7 | 4.7 | 4.4 | 4.4 |
| | Precision Instruments | t | 18.7 | 18.0 | 15.5 | 7.9 | 6.1 | 10.1 |
| | Chemicals | t | 0.8 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| | Textiles | t | 1.2 | 0.7 | 0.9 | 0.5 | 0.5 | 0.7 |
| | Paper Products ^{*4} | t | 0.6 | - | - | - | - | - |
| | Others | t | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Volume of PRTR substance emissions per unit of sales | Nisshinbo Group | kg/Million yen | 0.072 | 0.065 | 0.064 | 0.052 | 0.034 | 0.041 |

*1 PRTR Substance Emissions are the total amount of PRTR substances released into the environment (air, public waters, and soil).

*2 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

*3 In FY2019, the Electronics business was separated into the Wireless and Communications business and the Micro Devices business.

*4 The Paper Products business was transferred in April 2017.

Breakdown of PRTR Substances Emissions^{*1}

| | | Boundary | Unit | FY2018 (Reference value after adjustment ^{*2}) | FY2019 | FY2020 | FY2021 | FY2022 |
|-----------------------|-----------------|------------------------|------|---|--------|--------|--------|--------|
| By chemical substance | Nisshinbo Group | Toluene | t | 15.3 | 10.4 | 7.5 | 6.3 | 7.9 |
| | | Xylene | t | 8.1 | 7.7 | 6.0 | 4.9 | 3.9 |
| | | Antimony | t | 0.3 | 1.4 | 1.2 | 1.3 | 1.2 |
| | | Hexamethylenetetramine | t | 1.8 | 1.8 | 1.4 | 1.3 | 1.3 |
| | | Ethylbenzene | t | 3.5 | 7.8 | 5.0 | 1.2 | 2.3 |
| | | Phenol | t | 1.6 | 1.8 | 1.5 | 1.2 | 1.3 |
| | | 1-bromopropane | t | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 |
| | | Others | t | 2.8 | 1.8 | 1.3 | 1.3 | 1.7 |

*1 PRTR Substance Emissions are the total amount of PRTR substances released into the environment (air, public waters, and soil).

*2 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

Purification of Wastewater

| | | Boundary | Unit | FY2018 (Reference value after adjustment [*]) | FY2019 | FY2020 | FY2021 | FY2022 |
|---------------|-----------------|--|----------------|--|--------|--------|--------|--------|
| Water quality | Nisshinbo Group | Amount of CODs emissions | t | 125.9 | 127.7 | 104.0 | 94.7 | 107.1 |
| | | Amount of CODs emissions per unit of sales | kg/Million yen | 0.30 | 0.30 | 0.27 | 0.23 | 0.26 |
| | Nisshinbo Group | Amount of SSs emissions | t | 63.5 | 58.5 | 68.1 | 73.3 | 73.1 |
| | | Amount of SSs emissions per unit of sales | kg/Million yen | 0.15 | 0.14 | 0.18 | 0.18 | 0.18 |

* In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

| | | Boundary | Unit | FY2018 (Reference value after adjustment [*]) | FY2019 | FY2020 | FY2021 | FY2022 |
|----------------------|-----------------|---|----------------|--|--------|--------|--------|--------|
| Atmospheric releases | Nisshinbo Group | SOx (sulfur oxides) | t | 217.8 | 217.1 | 222.8 | 199.6 | 27.2 |
| | | Amount of SOx emitterd per unit of sales | kg/Million yen | 0.51 | 0.51 | 0.58 | 0.48 | 0.07 |
| | Nisshinbo Group | NOx (nitrogen oxides) | t | 255.7 | 244.7 | 258.2 | 235.0 | 38.9 |
| | | Amount of NOx emitterd per unit of sales | kg/Million yen | 0.60 | 0.58 | 0.68 | 0.56 | 0.09 |
| | Nisshinbo Group | Soot and dust | t | 54.1 | 55.0 | 53.2 | 46.5 | 10.0 |
| | | Amount of soot and dust emitterd per unit of sales | kg/Million yen | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| | Nisshinbo Group | VOCs | t | 49.6 | 49.6 | 113.0 | 132.4 | 64.7 |
| | | Amount of VOCs emitterd per unit of sales | kg/Million yen | 0.1 | 0.1 | 0.3 | 0.3 | 0.1 |

* In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period. For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.

Transport Volume

Transport Volume

| | Boundary | Unit | FY2018 (Reference value after adjustment ^{*1}) | FY2019 | FY2020 | FY2021 | FY2022 |
|------------------------------------|------------------------------|--------------------|---|--------|--------|---------|---------|
| Transport volume | Nisshinbo Group | Million ton-km | 43.50 | 128.50 | 108.47 | 149.15 | 157.68 |
| By business segment | (Electronics ^{*2}) | Thousand ton-km | (2,454) | - | - | _ | - |
| by business segment | Wireless and Communications | Thousand ton-km | 1,040 | 1,984 | 2,234 | 2,639 | 2,396 |
| | Micro Devices | Thousand ton-km | 1,413 | 686 | 665 | 754 | 688 |
| | Automobile Brakes | Thousand ton-km | 12,523 | 95,515 | 85,842 | 124,325 | 132,299 |
| | Precision Instruments | Thousand ton-km | 10,909 | 10,331 | 4,773 | 4,853 | 5,195 |
| | Chemicals | Thousand ton-km | 5,692 | 4,904 | 4,197 | 4,648 | 5,077 |
| | Textiles | Thousand ton-km | 11,204 | 14,868 | 10,566 | 11,382 | 11,522 |
| | Others | Thousand ton-km | 717 | 209 | 190 | 545 | 503 |
| Transport volume per unit of sales | Nisshinbo Group | ton-km/Million yen | 102.5 | 252.1 | 237.3 | 292.1 | 305.5 |

*1 In 2018, we changed our fiscal year-end from March 31 to December 31. As a result, the consolidated fiscal year, which is a transitional period, is an irregular accounting period.
For this reason, the period used for reference to FY2018 is adjusted to the period from April 1, 2018 to March 31, 2019, to match the period of other consolidated fiscal years.
*2 In FY2019, the Electronics business was separated into the Wireless and Communications business and the Micro Devices business.