Release and Transfer Amounts to be Reported under PRTR Law (fiscal 2019)

Iron & Steel

| Kakogawa Works | | | | | | | |
|----------------|-------|----------------------|------|-------------------------|--------|-------------------------|---------------------|
| | | Release | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Toluene | 26000 | 0 | 0 | 0 | 0 | 270 | Painting |
| Xylene | 6200 | 0 | 0 | 0 | 0 | 1700 | Painting |
| Ethylbenzene | 2800 | 0 | 0 | 0 | 0 | 350 | Painting |

Kobe Wire Rod & Bar Plant

| Robo Who Roa a Barrian | | | | | | | |
|--------------------------------|---------|----------------------|------|-------------------------|--------|-------------------------|--------------------------------|
| | Release | | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Toluene | 1400 | 0 | 0 | 0 | 0 | 0 | Contained in gasoline for fuel |
| Zinc compounds (water-soluble) | 0 | 20 | 0 | 0 | 0 | 0 | Surface treatment |

| Kobelco Engineered Construction Materials Co., Ltd. | | | | | | | | | | | |
|---|------|----------------------|------|-------------------------|--------|-------------------------|---------------------|--|--|--|--|
| | | Release | | | Trar | nsfer | Main processes | | | | |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use | | | | |
| Xylene | 6800 | 0 | 0 | 0 | 0 | | Painting | | | | |
| Ethylbenzene | 6300 | 0 | 0 | 0 | 0 | 0 | Painting | | | | |
| Toluene | 1200 | 0 | 0 | 0 | 0 | 0 | Painting | | | | |

Shinko Wire Company, Ltd. (Amagasaki Works)

| | | Release | | | Trar | nsfer | Main processes | |
|--------------------------------|-----|----------------------|------|-------------------------|--------|-------------------------|---------------------|--|
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use | |
| Nickel compounds | 0 | 36 | 0 | 0 | 0 | 10000 | Surface treatment | |
| Lead compounds | 0 | 6 | 0 | 0 | 0 | 3300 | Heat treatment | |
| Zinc compounds (water-soluble) | 0 | 60 | 0 | 0 | 0 | 0 | Surface treatment | |

Shinko Wire Company, Ltd. (Onoe Works)

| | Release | | | | Trai | nsfer | Main processes |
|--------------------------------|---------|------------|------|-------------|--------|--------------|---------------------|
| Substance | Air | Public | Soil | Landfill | Sewage | Outside | and purposes of use |
| | All | water body | 3011 | on premises | Sewaye | the premises | and purposes of use |
| Zinc compounds (water-soluble) | 0 | 36 | 0 | 0 | 0 | 0 | Surface treatment |
| Lead compounds | 0 | 3 | 0 | 0 | 0 | 3100 | Heat treatment |
| | U | 5 | 0 | 0 | 0 | 5100 | |

Shinko Wire Company, Ltd. (Nishikinohama Works)

| | Release | | | | Trar | nsfer | Main processes |
|--------------------------------|---------|----------------------|------|-------------------------|--------|-------------------------|---------------------|
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Zinc compounds (water-soluble) | 0 | 0 | 0 | 0 | 0 | 1300 | Pickling |

Shinko Wire Stainless Co., Ltd. Release Transfer Main processes Outside Substance Public Landfill and purposes of use Air Soil Sewage on premises water body the premises Dichloromethane (also called 1300 0 0 0 0 0 Cleaning methylene dichloride) 21000 Cleaning Tetrachloroethylene 27000 0 0 0 0 1500 0 0 0 0 0 Cleaning Toluene

| Nippon Koshuha Steel Co., Ltd. | | | | | | | |
|---------------------------------------|-----|----------------------|------|-------------------------|--------|-------------------------|---------------------|
| | | Release | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Manganese and its compounds | 3 | 580 | 0 | 0 | 0 | 63000 | Steelmaking |
| Chromium and chromium (III) compounds | 6 | 48 | 0 | 0 | 0 | 23000 | Steelmaking |
| Nickel compounds | 1 | 340 | 0 | 0 | 0 | 18000 | Steelmaking |

| Koshuha-Foundry Co., Ltd. | | | | | | | | | | | |
|---------------------------|-------|----------------------|------|-------------------------|--------|-------------------------|---------------------------------------|--|--|--|--|
| | | Release | | | Trar | nsfer | Main processos | | | | |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | Main processes and purposes of use | | | | |
| Xylene | 17000 | 0 | 0 | 0 | 0 | 0 | Painting | | | | |
| Toluene | 14000 | 0 | 0 | 0 | 0 | 0 | Painting | | | | |
| Ethylbenzene | 5700 | 0 | 0 | 0 | 0 | 0 | Painting | | | | |

Welding

| Fujisawa Plant | | | | | | | |
|---------------------------------------|-----|----------------------|------|-------------------------|--------|-------------------------|---|
| | | Release | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Molybdenum and its compounds | 0 | 0 | 0 | 0 | 0 | 81 | Added to welding wires and lubricant |
| Chromium and chromium (III) compounds | 0 | 0 | 0 | 0 | 0 | 20 | Added to welding wires |
| Nickel | 0 | 0 | 0 | 0 | 0 | 8 | Added to welding wires |

| Ibaraki Plant | | | | | | | |
|---------------------------------------|-----|----------------------|------|-------------------------|--------|-------------------------|--------------------------------------|
| | | Release | | | Trai | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Manganese and its compounds | 15 | 0 | 0 | 0 | 3 | 22000 | Added to welding wires |
| Molybdenum and its compounds | 3 | 0 | 0 | 0 | 0 | 19000 | Added to welding wires and lubricant |
| Chromium and chromium (III) compounds | 3 | 0 | 0 | 0 | 1 | 5200 | Added to welding wires |

| Saijo Plant | | | | | | | |
|-----------------------------|-----|----------------------|------|-------------------------|--------|-------------------------|---------------------------------------|
| | | Release | | | Trar | nsfer | Main processos |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | Main processes and purposes of use |
| Manganese and its compounds | 23 | 0 | 0 | 0 | 0 | 10000 | Added to welding rods |
| 1,2,4-trimethylbenzene | 53 | 0 | 0 | 0 | 0 | 0 | Contained in fuel |
| Xylene | 47 | 0 | 0 | 0 | 0 | 0 | Contained in fuel |

| Fukuchiyama Plant | | | | | | | |
|------------------------------|---------|----------------------|------|-------------------------|--------|-------------------------|----------------------------|
| | Release | | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Ferric chloride | 0 | 0 | 0 | 0 | 0 | 200000 | Pickling |
| Molybdenum and its compounds | 0 | 0 | 0 | 0 | 140 | 1300 | Lubricant for wire drawing |

| Hanshin Yosetsu Kizai Co., Ltd. | | | | | | | |
|---------------------------------|-----|----------------------|------|-------------------------|--------|-------------------------|---------------------|
| | | Release | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Manganese and its compounds | 32 | 0 | 0 | 0 | 0 | 11000 | Flux material |
| Boron compounds | 1 | 0 | 0 | 0 | 0 | 320 | Flux melting |

Aluminum & Copper

| Moka Works | | | | | | | |
|---------------------------------------|------|----------------------|------|-------------------------|--------|-------------------------|--|
| | | Release | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Chromium and chromium (III) compounds | 0 | 0 | 0 | 0 | 0 | 33000 | Surface treatment of aluminum sheet |
| Manganese and its compounds | 0 | 0 | 0 | 0 | 0 | 20000 | Raw material for melting |
| 1,3,5-trimethylbenzene | 5100 | 0 | 0 | 0 | 0 | 26 | Painting |

| Chofu Works | | | | | | | |
|--|-----|----------------------|------|-------------------------|--------|-------------------------|---------------------------------------|
| | | Release | | | Trar | nsfer | Main processos |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | Main processes and purposes of use |
| Hydrogen fluoride and its watersoluble salts | 0 | 17000 | 0 | 0 | 0 | 0 | Pickling |
| Boron compounds | 0 | 1100 | 0 | 0 | 0 | 0 | Casting |
| Copper salts (water-soluble, except complex salts) | 0 | 520 | 0 | 0 | 0 | 0 | Surface treatment |

| Daian Works | | | | | | | |
|---|------|----------------------|------|-------------------------|--------|-------------------------|---------------------------------------|
| | | Release | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Poly (oxyethylene) alkyl ether (alkyl C=12-15) | 0 | 0 | 0 | 0 | 0 | 16000 | Inspection |
| Triethylamine | 3500 | 0 | 0 | 0 | 0 | | Foundry sand hardening accelerator |
| Dichloromethane (also called methylene dichloride) | 1300 | 0 | 0 | 0 | 0 | 0 | Cleaning |

| Shinko Metal Products Co., Ltd. | | | | | | | |
|---------------------------------|-----|----------------------|------|-------------------------|--------|-------------------------|---------------------|
| | | Release | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Nickel compounds | 0 | 0 | 0 | 0 | 0 | 650 | Surface treatment |
| Chromium (VI) compounds | 0 | 0 | 0 | 0 | 0 | 570 | Surface treatment |

| Shinko Aluminum Wire Co., Ltd. | | | | | | | |
|--|------|----------------------|------|-------------------------|--------|-------------------------|------------------------|
| | | Release | | | Trar | nsfer | Main processes |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Trichloroethylene | 6400 | 0 | 0 | 0 | 0 | 2600 | Cleaning |
| | | Release | | | Trar | nsfer | Main processes |
| Shinko Leadmikk Co., Ltd. | | Release | | | Trar | nsfer | |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| | | | | | | | |
| Dichloromethane (also called methylene dichloride) | 2600 | 0 | 0 | 0 | 0 | | Degreasing and washing |

Machinery

| Harima Plant (Standard Compressor Plant) | | | | | | | | | |
|--|---------|----------------------|------|-------------------------|--------|-------------------------|---------------------------------------|--|--|
| | Release | | | | Trar | nsfer | | | |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | Main processes and purposes of use | | |
| Xylene | 1200 | 0 | 0 | 0 | 0 | 0 | Painting | | |
| Ethylbenzene | 1000 | 0 | 0 | 0 | 0 | 0 | Painting | | |

| Shinko Engineering Co., Ltd. | | | | | | | |
|------------------------------|------|----------------------|------|-------------------------|--------|-------------------------|---------------------|
| | | Release | | | Trar | Main processes | |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use |
| Toluene | 2900 | 0 | 0 | 0 | 0 | 470 | Painting |
| Xylene | 940 | 0 | 0 | 0 | 0 | 270 | Painting |

Engineering

| Kobelco Eco-Solutions Co., Ltd. (Harima Plant) | | | | | | | | | | |
|--|-----|----------------------|------|-------------------------|--------|-------------------------|---------------------|--|--|--|
| | | Release | | | Trar | Main processes | | | | |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use | | | |
| Manganese and its compounds | 15 | 0 | 0 | 0 | 0 | 2100 | Welding | | | |

Electric Power

| Kobelco Power Kobe Inc. | | | | | | | | | | |
|-------------------------|-----|----------------------|------|-------------------------|--------|-------------------------|-------------------------------|--|--|--|
| | | Release | | | Trar | sfer | Main processes | | | |
| Substance | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use | | | |
| Ferric chloride | 0 | 0 | 0 | 0 | 0 | 0 | Wastewater treatment facility | | | |
| Hydrazine | 0 | 0 | 0 | 0 | 0 | 0 | Rust inhibitor | | | |

Head Office, Other

| Takasago Works | | | | | | | |
|------------------------------|-------|------------|------|-------------|--------|--------------|-------------------------|
| | | Release | | | Trar | nsfer | Main processes |
| Substance | Air | Public | Soil | Landfill | Sowago | Outside | and purposes of use |
| | All | water body | 3011 | on premises | Sewage | the premises | and purposes of use |
| Dichloromethane (also called | 37000 | 0 | 0 | 0 | 0 | 0 2700 | Degreasing and cleaning |
| methylene dichloride) | 37000 | 0 | 0 | U | 0 | 2700 | titanium scrap |
| Toluene | 44000 | 0 | 0 | 0 | 0 | 160 | Painting |
| Xylene | 9000 | 0 | 0 | 0 | 0 | 230 | Painting |

| Kobelco Construction Machinery Co., Ltd. (Hiroshima factory) | | | | | | | | | | | |
|--|-------|------------|------|-------------|--------|--------------|---------------------|--|--|--|--|
| | | Release | | | Trar | nsfer | Main processes | | | | |
| Substance | Air | Public | Soil | Landfill | Sewage | Outside | and purposes of use | | | | |
| | , | water body | 0011 | on premises | Conago | the premises | | | | | |
| Xylene | 68000 | 0 | 0 | 0 | 0 | 29000 | Painting | | | | |
| Ethylbenzene | 62000 | 0 | 0 | 0 | 0 | 26000 | Painting | | | | |
| Toluene | 14000 | 0 | 0 | 0 | 0 | 6100 | Painting | | | | |

| Kobelco Construction Machinery Co., Ltd. (Ogaki factory) | | | | | | | | | | |
|--|---------|---------------------------|-------------|----------|--------------|---------------------|----------------|--|--|--|
| Substance | Release | | | | Transfer | | Main processes | | | |
| | Air | Public water body Soil | Soil | Landfill | Sowogo | Outside | • | | | |
| | | | on premises | Sewage | the premises | and purposes of use | | | | |
| Xylene | 19000 | 0 | 0 | 0 | 0 | 4400 | Painting | | | |
| Ethylbenzene | 18000 | 0 | 0 | 0 | 0 | 3700 | Painting | | | |
| Toluene | 13000 | 0 | 0 | 0 | 0 | 2400 | Painting | | | |

| Kobelco Construction Machinery Co., Ltd. Crane Division (Okubo) | | | | | | | | | | |
|---|---------|----------------------|------|-------------------------|----------|-------------------------|---------------------|--|--|--|
| Substance | Release | | | | Transfer | | Main processes | | | |
| | Air | Public water body | Soil | Landfill on premises | Sewage | Outside the premises | and purposes of use | | | |
| Xylene | 8900 | 0 | 0 | 0 | 0 | 3400 | Painting | | | |
| Ethylbenzene | 8500 | 0 | 0 | 0 | 0 | 3200 | Painting | | | |
| Toluene | 33000 | 0 | 0 | 0 | 0 | 15000 | Painting | | | |

Shinko Industrial Co., Ltd. Release Transfer Main processes and purposes of use Public Landfill Outside Substance Air Soil Sewage on premises water body the premises Ethylbenzene Xylene Toluene 17000 470 Painting 0 0 0 0 700 Painting 25000 0 0 0 0 400 Painting 14000 0 0 0 0