#### Iron & Steel

#### Kakogawa Works

		Release			Trai	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	/\li	water body	0	on premises	Ocwage	the premises	and purposes or use
Toluene	27,000	0	0	0	0	350	Painting
Xylene	7,000	0	0	0	0	2,600	Painting
Ethylbenzene	3,600	0	0	0	0	590	Painting

#### Kobe Works

	Release				Transfer		Main processes
Substance	Λir	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	Air	water body	3011	on premises	Sewaye	the premises	and purposes or use
Toluene	1,700	0	0	0	0	0	Contained in gasoline for fuel
Zinc compounds (water-soluble)	0	40	0	0	0	0	Surface treatment

#### Kobelco Engineered Construction Materials Co., Ltd.

	Release				Trar	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	ΛII	water body	5011	on premises	Sewage	the premises	and purposes or use
Xylene	6,700	0	0	0	0	0	Painting
Ethylbenzene	5,100	0	0	0	0	0	Painting
Toluene	1,100	0	0	0	0	0	Painting

#### Shinko Wire Company, Ltd. (Amagasaki Works)

	Release				Trai	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	ΛII	water body	3011	on premises	Sewage	the premises	and purposes or use
Nickel compounds	0	37	0	0	0	10,000	Surface treatment
Lead compounds	0	5	0	0	0	3,500	Heat treatment
Zinc compounds (water-soluble)	0	49	0	0	0	0	Surface treatment

## Shinko Wire Company, Ltd. (Onoe Works)

	Release				Trar	nsfer	Main processes
Substance	Λir	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	Air	water body	3011	on premises	Sewaye	the premises	and purposes or use
Zinc compounds (water-soluble)	0	43	0	0	0	0	Surface treatment
Lead compounds	0	3	0	0	0	2,500	Heat treatment

## Shinko Wire Company, Ltd. (Nishikinohama Works)

	Release				Transfer		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	1,100	Pickling

## Shinko Wire Stainless Co., Ltd.

	Release				Trar	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	All	water body	3011	on premises	Sewaye	the premises	and pulposes of use
Dichloromethane (also called	1,800	0	0	0	0	۸ ا	Cleaning
methylene dichloride)	1,600	١	U	U	U	"	Cleaning
Tetrachloroethylene	25,000	0	0	0	0	44,000	Cleaning
Toluene	2,100	0	0	0	0	0	Cleaning

# Kobelco Steel Tube Co., Ltd.

	Release				Trar	nsfer	Main processes
Substance	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the premises	and purposes of use
Hydrogen fluoride and its water- soluble salts	150	0	0	0	0	0	Pickling

# Unit: kg

# Main Release and Transfer Amounts Reported under PRTR Law (fiscal 2018)

Nippon Koshuha Steel Co., Ltd.

	Release				Trar	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	All	water body	3011	on premises	Sewage	the premises	and purposes or use
Manganese and its compounds	6	580	0	0	0	67,000	Steelmaking
Chromium and chromium (III)	0	48	0	0	0	25,000	Steelmaking
compounds	0	40	O	O	O	25,000	Steelmaking
Nickel compounds	2	340	0	0	0	18,000	Steelmaking

# Koshuha-Foundry Co., Ltd.

	Release				Trai	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	7 (11	water body	0011	on premises	Ocwago	the premises	and purposes of dec
Xylene	17,000	0	0	0	0	11	Painting
Toluene	14,000	0	0	0	0	14	Painting
Ethylbenzene	5,700	0	0	0	0	4	Painting

# Welding

## Fujisawa Plant

	Release			Transfer			Main processes
Substance	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the premises	and nurnoses of use
Molybdenum and its compounds	0	0	0	0	0	92	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				Trar	nsfer	Main processes	
Substance	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the premises	and nurnoses of use	
Manganese and its compounds	19	0	0	0	4	21,000	Added to welding wires	
Molybdenum and its compounds	3	0	0	0	0	17,000	Added to welding wires and lubricant	
Chromium and chromium (III) compounds	2	0	0	0	1		Added to welding wires	

# Saijo Plant

	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	11	0	0	0	0		Added to welding rods
1,2,4-trimethylbenzene	43	0	0	0	0	0	Contained in fuel
Xylene	37	0	0	0	0	0	Contained in fuel

## Fukuchiyama Plant

	Release				Trar	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	All	water body	3011	on premises	Sewage	the premises	and purposes or use
Ferric chloride	0	0	0	0	0	110,000	Pickling
Molybdenum and its compounds	0	0	0	0	140	1,400	Lubricant for wire drawing

## Hanshin Yosetsu Kizai Co., Ltd.

	Release				Trar	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	ΛII	water body	3011	on premises	Sewage	the premises	and purposes or use
Manganese and its compounds	41	0	0	0	0	14,000	Flux material
Boron compounds	1	0	0	0	0	250	Flux melting

# ■ Aluminum & Copper

## Moka Plant

	Release				Trar	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	All	water body	3011	on premises	Sewage	the premises	and purposes or use
Chromium and chromium (III)	0	0	0	0	0	35,000	Surface treatment of aluminum
compounds	U	U	U	U	U	35,000	sheet
Manganese and its compounds	0	0	0	0	0	22,000	Raw material for melting
1,2,4-trimethylbenzene	17,000	0	0	0	0	100	Painting

#### Chofu Works

		Release			Trar	nsfer	Main processes
Substance	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the premises	and nurnoses of use
Hydrogen fluoride and its water- soluble salts	0	19,000	0	0	0	5,400	Pickling
Boron compounds	0	2,200	0	0	0	0	Casting
Copper salts (water-soluble, except complex salts)	0	510	0	0	0	18,000	Surface treatment

#### Daian Works

		Release			Trar	nsfer	Main processes
Substance	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the premises	and nurnoses of use
Poly(oxyethylene) alkyl ether (alkyl C=12-15)	0	0	0	0	0	12,000	Inspection
Triethylamine	3,000	0	0	0	0	I ()	Foundry sand hardening accelerator
Dichloromethane (also called methylene dichloride)	840	0	0	0	0	470	Cleaning

## Shinko Metal Products Co., Ltd.

	Release				Transfer		Main processes
Substance	Air	Public	Soil	Landfill	Sowago	Outside	and purposes of use
	All	water body	3011	on premises	Sewage	the premises	and purposes or use
Nickel compounds	0	0	0	0	0	780	Surface treatment
Chromium (VI) compounds	0	0	0	0	0	700	Surface treatment

# Shinko Aluminum Wire Co., Ltd.

	Release				Transfer		Main processes
Substance	Λir	Public	Soil	Landfill	Sowago	Outside	and purposes of use
	Air	water body	3011	on premises	Sewage	the premises	and purposes or use
Trichloroethylene	6,400	0	0	0	0	2,900	Cleaning

## Shinko Leadmikk Co., Ltd.

	Release				Trai	nsfer	Main processes	
Substance	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the premises	and purposes of use	
Dichloromethane (also called methylene dichloride)	2,000	0	0	0	0	91	Degreasing and washing	
Nickel compounds	0	0	0	0	310	1,800	Surface treatment	

#### Machinery

# Harima Plant (Standard Compressor Plant)

	Release				Transfer		Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	All	water body	3011	on premises	Sewage	the premises	and purposes or use
Xylene	1,200	0	0	0	0	0	Painting
Ethylbenzene	1,000	0	0	0	0	0	Painting

## Shinko Engineering Co., Ltd.

	Release				Transfer		Main processes
Substance	۸ir	Public	Soil	Landfill	Sowago	Outside	and purposes of use
	Air	water body	3011	on premises	Sewage	the premises	and purposes or use
Toluene	3,300	0	0	0	0	540	Painting
Xylene	980	0	0	0	0	280	Painting

## Engineering

## Kobelco Eco-Solutions Co., Ltd. (Harima Plant)

	Release				Trar	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	7 (11	water body	Oon	on premises	Oowago	the premises	and parpoode or doo
Manganese and its compounds	15	0	0	0	0	1,800	Welding

#### Electric Power

#### Kobelco Power Kobe Inc.

	Release				Transfer		Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
	ΛII	water body	/ 3011	on premises	Sewaye	the premises	and purposes or 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	Sewage	Outside	and purposes of use
	All	water body	5011	on premises	Sewage	the premises	and purposes or use
Dichloromethane (also called	41,000	0	0	0	0	220	Degreasing and cleaning
methylene dichloride)	41,000	U	O	U	U	220	titanium scrap
Toluene	46,000	0	0	0	0	180	Painting
Xylene	16,000	0	0	0	0	210	Painting

## Kobelco Construction Machinery Co., Ltd. (Hiroshima factory)

	Release				Trar	nsfer	Main processes
Substance	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the premises	and purposes of use
Xylene	120,000	0	0	0	0		Painting
Ethylbenzene	42,000	0	0	0	0	3,600	Painting
Toluene	15,000	0	0	0	0	9,600	Painting

# Kobelco Construction Machinery Co., Ltd. (Ogaki factory)

	Release				Trai	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage	Outside	and purposes of use
		water body		on premises		the premises	and purposes or use
Xylene	23,000	0	0	0	0	4,700	Painting
Ethylbenzene	22,000	0	0	0	0	3,900	Painting
Toluene	17,000	0	0	0	0	2,600	Painting

#### Kobelco Construction Machinery Co., Ltd. Crane Division (Okubo)

		Release			Trar	nsfer	Main processes
Substance	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the premises	and purposes of use
Xylene	7,500	0	0	0	0	6,000	Painting
Ethylbenzene	4,200	0	0	0	0	2,800	Painting
Toluene	33,000	0	0	0	0	29,000	Painting

## Shinko Industrial Co., Ltd.

	Release				Trai	nsfer	Main processes
Substance	Air	Public	Soil	Landfill	Sewage th	Outside	and purposes of use
		water body		on premises		the premises	and purposes or use
Ethylbenzene	16,000	0	0	0	0	580	Painting
Xylene	25,000	0	0	0	0	890	Painting
Toluene	15,000	0	0	0	0	540	Painting