

## Expected Release and Transfer Amounts to be Reported under PRTR Law (fiscal 2017)

Unit: kg

## ■ Iron &amp; Steel

## Kakogawa Works

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Toluene	30,000	0	0	0	0	370	Painting
Xylene	6,900	0	0	0	0	3,000	Painting
Ethylbenzene	3,300	0	0	0	0	660	Painting

## Kobe Works

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Manganese and its compounds	120	290	0	0	0	14,000	Steelmaking
Toluene	2,700	0	0	0	0	0	Contained in gasoline for fuel
Styrene	0	0	0	0	0	2,100	Testing

## Kobelco Engineered Construction Materials Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Xylene	8,800	0	0	0	0	0	Painting
Ethylbenzene	6,900	0	0	0	0	0	Painting
Toluene	1,600	0	0	0	0	0	Painting

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

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Nickel compounds	0	24	0	0	0	11,000	Surface treatment
Lead compounds	0	4	0	0	0	3,400	Heat treatment
Zinc compounds (water-soluble)	0	54	0	0	0	0	Manufacturing process

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

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Zinc compounds (water-soluble)	0	49	0	0	0	0	Manufacturing process
Lead compounds	0	3	0	0	0	1,700	Heat treatment

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

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Zinc compounds (water-soluble)	0	0	0	0	0	1,200	Pickling

## Kobelco Steel Tube Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Hydrogen fluoride and its water-soluble salts	180	0	0	0	0	0	Pickling

## Nippon Koshuha Steel Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Manganese and its compounds	10	520	0	0	0	61,000	Steelmaking
Chromium and chromium (III) compounds	6	60	0	0	0	22,000	Steelmaking
Nickel compounds	1	460	0	0	0	17,000	Steelmaking

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## ■ Welding

## Fujisawa Plant

Substance	Release				Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil			Sewage	Outside the	
Molybdenum and its compounds	0	0	0	0	0	0	88	Added to welding wires and lubricant
Chromium and chromium (III) compounds	0	0	0	0	0	0	24	Added to welding wires and lubricant
Nickel	0	0	0	0	0	0	9	Added to welding wires and lubricant

## Ibaraki Plant

Substance	Release				Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil			Sewage	Outside the	
Manganese and its compounds	13	0	0	0	0	5	19,000	Added to welding wires
Molybdenum and its compounds	3	0	0	0	0	0	16,000	Added to welding wires and lubricant
Chromium and chromium (III) compounds	4	0	0	0	0	0	3,700	Added to welding wires

## Saijo Plant

Substance	Release				Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil			Sewage	Outside the	
Manganese and its compounds	24	0	0	0	0	0	5,900	Added to welding rods
1,2,4-trimethylbenzene	44	0	0	0	0	0	0	Contained in fuel
Xylene	38	0	0	0	0	0	0	Contained in fuel

## Fukuchiyama Plant

Substance	Release				Landfill on premises	Transfer		Major processes and purposes of use
	Air	Public water body	Soil			Sewage	Outside the	
Ferric chloride	0	0	0	0	0	0	96,000	Pickling
Molybdenum and its compounds	0	0	0	0	0	140	1,200	Lubricant for wire drawing

## Shinko Actec Co., Ltd.

Substance	Release				Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil			Sewage	Outside the	
Manganese and its compounds	0	0	0	0	0	2	480	Contained in raw material

## Hanshin Yosetsu Kizai Co., Ltd.

Substance	Release				Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil			Sewage	Outside the	
Manganese and its compounds	41	0	0	0	0	0	9,400	Flux material
Boron compounds	1	0	0	0	0	0	130	Flux melting

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## ■ Aluminum &amp; Copper

## Moka Plant

Substance	Release				Transfer		Main processes and purposes of use
	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the	
Chromium and chromium (III) compounds	0	0	0	0	0	33,000	Surface treatment of aluminum sheet
manganese and its compounds	0	0	0	0	0	21,000	Raw material for melting
1,3,5-trimethylbenzene	3,400	0	0	0	0	27	Painting

## Chofu Works

Substance	Release				Transfer		Main processes and purposes of use
	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the	
Hydrogen fluoride and its water-soluble salts	0	12,000	0	0	0	0	Pickling
Boron compounds	0	2,000	0	0	0	0	Casting
Copper salts (water-soluble, except complex salts)	0	440	0	0	0	0	Surface treatment

## Daian Works

Substance	Release				Transfer		Main processes and purposes of use
	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the	
Poly(oxyethylene) alkyl ether (alkyl C=12-15)	0	0	0	0	0	13,000	Testing
Triethylamine	2,600	0	0	0	0	0	Foundry sand hardening accelerator
Dichloromethane (also called methylene dichloride)	1,700	0	0	0	0	0	Cleaning

## Shinko Metal Products Co., Ltd.

Substance	Release				Transfer		Main processes and purposes of use
	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the	
Nickel compounds	0	0	0	0	0	780	Surface treatment
Chromium (VI) compounds	0	0	0	0	0	440	Surface treatment

## Shinko Aluminum Wire Co., Ltd.

Substance	Release				Transfer		Main processes and purposes of use
	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the	
Trichloroethylene	7,000	0	0	0	0	3,800	Cleaning

## Shinko-North Co., Ltd.

Substance	Release				Transfer		Main processes and purposes of use
	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the	
Dichloropentafluoropropane (also called HCFC-225)	1,500	0	0	0	0	0	Cleaning

## Shinko Fab Tech, Ltd.

Substance	Release				Transfer		Main processes and purposes of use
	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the	
Manganese and its compounds	0	0	0	0	0	490	Raw material for melting
Nickel	0	0	0	0	0	900	Raw material for melting

## Shinko Leadmikk Co., Ltd.

Substance	Release				Transfer		Main processes and purposes of use
	Air	Public water body	Soil	Landfill on premises	Sewage	Outside the	
Dichloromethane (also called methylene dichloride)	2,400	0	0	0	0	0	Degreasing and washing
Nickel compounds	0	0	0	0	170	690	Surface treatment
Inorganic cyanide compounds (except complex salts and cyanates)	0	0	0	0	1	170	Plating

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## ■ Machinery

## Harima Plant (Standard Compressor Plant)

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

## Shinko Engineering Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Toluene	4,300	0	0	0	0	730	Painting
Xylene	1,100	0	0	0	0	320	Painting

## ■ Engineering

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

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Manganese and its compounds	16	0	0	0	0	2,300	Welding
Toluene	1,500	0	0	0	0	1	Painting

## ■ Electric Power

## Kobelco Power Kobe, Inc.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Ferric chloride	0	0	0	0	0	0	Wastewater treatment facility
Hydrazine	0	0	0	0	0	0	Power generation boiler

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## ■ Head Office, Other

## Takasago Works

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Dichloromethane (also called methylene dichloride)	53,000	0	0	0	0	12	Degreasing and cleaning titanium scrap
Toluene	49,000	0	0	0	0	200	Painting
Xylene	17,000	0	0	0	0	310	Painting

## Kobelco Research Institute, Inc. (Sputtering Target Division)

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Silver and its water-soluble compounds	0	0	0	0	0	19	Raw material for melting
Nickel	0	0	0	0	0	40	Raw material for melting
Indium and its compounds	0	0	0	0	0	9	Raw material for melting

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

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Xylene	120,000	0	0	0	0	30,000	Painting
Ethylbenzene	47,000	0	0	0	0	3,600	Painting
Toluene	21,000	0	0	0	0	9,400	Painting

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

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Xylene	20,000	0	0	0	0	5,000	Painting
Ethylbenzene	19,000	0	0	0	0	4,000	Painting
Toluene	16,000	0	0	0	0	3,000	Painting

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

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Xylene	46,000	0	0	0	0	13,000	Painting
Toluene	42,000	0	0	0	0	12,000	Painting
Ethylbenzene	7,900	0	0	0	0	2,200	Painting

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

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Toluene	12,000	0	0	0	0	3,500	Painting
Xylene	6,000	0	0	0	0	1,700	Painting
Ethylbenzene	1,700	0	0	0	0	490	Painting

## Japan Superconductor Technology, Inc.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Dichloromethane (also called methylene dichloride)	2,900	0	0	0	0	100	Cleaning

## Shinko Industrial Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the	
Ethylbenzene	16,000	0	0	0	0	370	Painting
Xylene	20,000	0	0	0	0	480	Painting
Toluene	13,000	0	0	0	0	310	Painting