Volume of Discharge and Transportation That Require Notification Under PRTR Law (fiscal 2009)

Iron & Steel Business

Kakogawa Works

		Discharge			Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Toluene	21,000	0	0	0	0	290	Coating
Xylene	16,000	0	0	0	0	2,000	Coating
Hydrogen fluoride and its water-soluble salt	0	12,000	0	0	0	1,100	Pickling of steel sheet/plate surface during rolling process

Kobe Works

		Discharge			Transp	ortation	Major processes and purposes of
Substance	Atmoonhore	Public water	Soil	Landfill on	Causas	Outside	· ·
	Atmosphere	body	2011	premises	Sewage	office	use
Manganese and its compounds	13	190	0	0	0	63,000	Steelmaking
Chromium and trivalent chromium	6.7	6.1	0	0	0	22 000	Steelmaking
compounds	0	0		ŭ		22,000	otoog
Molybdenum and its compounds	13	800	0	0	0	1,300	Steelmaking

Takasago Works

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Xylene	56,000	0	0	0	0	490	Coating
Dichloromethane (methylene chloride)	53,000	0	0	0	0	260	Degreasing titanium scrap
Toluene	32,000	0	0	0	0	850	Contained in steel-powder binder material

Shinko Kenzai, Ltd.

	Discharge				Transportation		Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Xylene	12,000	0	0	0	0	0	Coating

Shinko Wire Company, Ltd. (Amagasaki Factory)

entitio vitro company, Eta. (vitragadata i actory)									
	Discharge				Transp	ortation	Major processes and purposes of		
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use		
Water-soluble compounds of zinc	0	130	0	0	0	8,900	Processing		
Lead and its compounds	0	5.8	0	0	0	5,900	Heat treatment		

Shinko Wire Company, Ltd. (Once Factory)

Shiriko Wire Goripariy, Eta. (Gride i actory)										
	Discharge				Transportation		Major processes and purposes of			
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use			
Water-soluble compounds of zinc	0	47	0	0	0	2,800	Processing			
Lead and its compounds	0	2.9	0	0	0	1,600	Heat treatment			

Kobe Special Tube Co., Ltd.

	Discharge				Transportation		Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Hydrogen fluoride and its water-soluble salt	100	3,000	0	0	0	11	Pickling

Shinko Bolt, Ltd.

^{*} Below the minimum volume that requires notification under the PRTR Law

Ceratechno Co., Ltd. (Akashi Plant)

	Discharge				Transp	ortation	Major processes and purposes of			
Substance	Atmosphere	Public water	Soil	Landfill on	Sewage	Outside	use			
	Almosphere	body	3011	premises	Sewage	office	use			
Chromium and trivalent chromium	0	0	0	0	0	16 000	Raw material for packing gravel			
compounds				ı .		10,000	rtaw material for packing graver			
Phenol	340	0	0	0	0	3.9	Brick binder			
Ethylene glycol	200	0	0	0	0	31	Brick binder			

Ceratechno Co., Ltd. (Bizen Plant)

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Ethylene glycol	21.000	•	0	0	0		Brick binder
Phenol	8.500	-	0	0	0		Brick binder
1,3,5,7-tetra aza tricyclo [3.3.1.13.7] decan (hexamethylenetetramine)	0	0	0	0	0		Brick hardener

Ceratechno Co., Ltd. (Bizen Plant)

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Dichloromethane (methylene chloride)	6,400	0	0	0	0	310	Wire drawing

Nippon Koshuha Steel Co., Ltd.

improvince of contract of cont							
	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmoonhore	Public water	Soil	Landfill on	Cowosa	Outside	· ·
	Atmosphere	body	5011	premises	Sewage	office	use
Hydrogen fluoride and its water-soluble salt	360	5,200	0	0	0	78,000	Auxiliary material for steelmaking
Nickel compounds	1.6	160	0	0	0	22,000	Material for steelmaking
Chromium and trivalent chromium	19	100	0	0	0	22 000	Material for steelmaking
compounds	10	100	•	•	ľ	22,000	Iviaterial for Steelinaking

Kansai Coke and Chemicals Co., Ltd. (Kakogawa Plant)

		Discharge			Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Benzene	4,100	0	0	0	0	0	Coke oven
Toluene	1,100	0	0	0	0	0	Coke oven
Xylene	280	0	0	0	0	0	Coke oven

Shinko Kobe Power Inc.

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Hydrazine	0	0	0	0	0	0	Power boiler

Welding Business

Fujisawa Industrial Operations

Ibaraki Plant

Tourant Flame							
		Discharge			Transp	ortation	Major processes and purposes of
Substance		Public water	0.11	Landfill on		Outside	Major processes and purposes of
	Atmosphere	body	Soil	premises	Sewage	office	use
Manganese and its compounds	8.0	0	0	0	0	17,000	Added to welding wire
Molybdenum and its compounds	2.2	0	0	0	0	14,000	Added to welding wire
Chromium and trivalent chromium compounds	0.9	0	0	0	0	2,200	Added to stainless welding wire

Saijo Plant

	Discharge				Transportation		Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Manganese and its compounds	12	0	0	0	0	5,300	Added to welding rod
Xylene	260	0	0	0	0	0	Contained in fuel kerosene
Nickel	0	0	0	0	0	4.8	Added to welding rod

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Shinko Actec Co., Ltd.

 * Below the minimum volume that requires notification under the PRTR Law

Shinko Taseto Co., Ltd.

		Discharge			Transportation		Major processes and purposes of
Substance	Atmosphere	Public water	Soil	Landfill on	Sewage	Outside	use
	Auriosphere	body	3011	premises	Sewaye	office	use
Molybdenum and its compounds	0	0	0	0	0	1,900	Lubricant for wire drawing
Chromium and trivalent chromium compounds	0	0	0	0	0	590	Added to welding wire
Manganese and its compounds	0	0	0	0	0	330	Added to welding wire

Hanshin Yosetsu Kizai Co., Ltd.

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Manganese and its compounds	31	0	0	0	0	9,700	Flux material
Boron and its compounds	0.8	0	0	0	0	270	Flux material
Chromium and trivalent chromium compounds	0.8	0	0	0	0	120	Flux material

Kobe Welding Wire Co. Ltd.

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water	Soil	Landfill on	Sewage	Outside	use
		body		premises		office	
Inorganic cyanogen compounds (except	0	0	0	0	0	880	Plating
complex salt and cyanate)	0	U	0	U U	U	000	riating
Water-soluble copper salt (except complex	0	0	0	0	5.2	0	Plating
salt)		ا	U	ا	5.2		i lating

Aluminum & Copper Business

Moka Plant

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water	Soil	Landfill on	Sewage	Outside	use
	Alliosphere	body	3011	premises	Sewage	office	use
Chromium and trivalent chromium	0	0	0	0	0	26 000	Surface treatment of aluminum sheet
compounds	•	<u> </u>				20,000	Carrace treatment of alaminam sheet
Manganese and its compounds	0	0	0	0	0	18,000	Added to molten aluminum
Toluene	4,300	0	0	0	0	840	Contained in paint

Chofu Works

	Discharge				Transpo	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Hydrogen fluoride and its water-soluble salt	0	6,300	0	0	0	2,200	Pickling
1,3,5-trimethylbenzene	1,200	0	0	0	0	0	Washing
Xylene	1,000	0	0	0	0	0	Contained in kerosene and paint

Daian Plant

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water Soil	Landfill on	Sewage	Outside	use	
	7 tarriooprioro	body		premises	comago	office	
Poly(oxyethylene) alkyl ether	0	0	0	0	0	9,300	Testing
Dichloromethane (methylene chloride)	3.200	0	0	0	0	200	Washing of aluminum fabricated
Dictioronicularie (metrylene emonde)	3,200	U	0	U	U	200	products
Phenol	0	0	0	0	0	2,200	Binder for casting sand

Sun Aluminium Industries, Ltd.

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water	Soil	Landfill on	Sewage	Outside	use
		body		premises	ŭ	office	
Toluene	69,000	0	0	0	0	2,000	Paint, coating agent, adhesive
Xylene	5,200	0	0	0	0	130	Paint, coating agent, adhesive
Ethylbenzene	940	0	0	0	0	13	Paint, coating agent, adhesive

Shinko Metal Products Co., Ltd.

	Discharge				Transportation		Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Dichloromethane (methylene chloride)	4,400	0	0	0	0	0	Degreasing
Toluene	490	0	0	0	0	0	Coating

Shinko Aluminum Wire Co., Ltd.

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Trichloroethylene	8,100	0	0	0	0	6,200	Washing

Shinko-North Co., Ltd.

Shinko Fab Tech, Ltd.

Offinition ab Toom, Etc.							
		Discharge			Transp	ortation	Major processes and purposes of
Substance	Atmosphore	Public water	Soil	Landfill on	Sowago	Outside	
	Atmosphere	body	5011	premises	Sewage	office	use
Xylene	780	0	0	0	0	0	Washing
Manganese and its compounds	0	0	0	0	0	650	Aluminum alloy additive
Chromium and trivalent chromium	0	0	0	0	0	210	Aluminum alloy additive
compounds					١	210	daniilani anoy additive

Shinko Leadmikk Co., Ltd.

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water	Soil	Landfill on	Sewage	Outside	use
	Atmosphere	body	3011	premises	Sewage	office	use
Dichloromethane (methylene chloride)	2,600	0	0	0	0	75	Degreasing
Nickel compounds	0	0	0	0	93	560	Plating
Inorganic cyanogen compounds (except complex salt and cyanate)	0	0	0	0	9.0	340	Plating

Niko-Aluminium Industries, Ltd.

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Chromium and trivalent chromium compounds	0	0	0	0	0	4,700	Coating
Xylene	360	0	0	0	0	220	Coating
Ethylbenzene	180	0	0	0	0	95	Coating

Kobelco & Materials Copper Tube, Ltd.

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Xylene	500	0	0	0	0	400	Coating
Toluene	2,100	0	0	0	0	0	Coating

Machinery Business

Harima Plant (Standard Compressor Plant)

		Discharge			Transportation		Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Ethylbenzene	1,800	0	0	0	0	0	Coating
Xylene	2,000	0	0	0	0	0	Coating

Shinko Engineering Co., Ltd.

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Toluene	2,500		0	0	0		Coating
Xylene	180	0	0	0	0	1,400	Coating
Ethylbenzene	38	0	0	0	0	810	Coating

^{*} Below the minimum volume that requires notification under the PRTR Law

Head Office

Kobe Corporate Research Laboratories

 * Below the minimum volume that requires notification under the PRTR Law

Kobelco Research Institute, Inc. (Sputtering Target Division)

topological modulate, mer (operationing ranger zimelen)										
	Discharge				Transp	ortation	Major processes and purposes of			
Substance	A 4 I	Public water	0 - 11	Landfill on	0	Outside	, , , , , , , , , , , , , , , , , , ,			
	Atmosphere	body	Soil	premises	Sewage	office	use			
Silver and its water-soluble compounds	0	0	0	0	0	49	Dissolving material			
Nickel	0	0	0	0	0	10	Dissolving material			
Chromium and trivalent chromium compounds	0	0	0	0	0	8.0	Dissolving material			

Kobelco Construction Machinery Co., Ltd. (Hiroshima Factory)

	Discharge				Transp	ortation	Major processes and purposes of
Substance	Atmoonhoro	Public water	Soil	Landfill on	Sowogo	Outside	
	Atmosphere	body	5011	premises	Sewage	office	use
Xylene	74,000	0	0	0	0	26,000	Coating
Ethylbenzene	19,000	0	0	0	0	3,000	Coating
Toluene	12,000	0	0	0	0	8,000	Coating

Kobelco Construction Machinery Co., Ltd. (Ogaki Factory)

Trobolog Conditional Machinery Co., Etc. (Cyclin 1 dolory)										
	Discharge				Transp	ortation	Major processes and purposes of			
Substance	Atmoonhoro	Public water	Soil	Landfill on	Sowogo	Outside	, ,			
	Atmosphere	body	3011	premises	Sewage	office	use			
Xylene	20,000	0	0	0	0	6,300	Coating			
Toluene	5,700	0	0	0	0	1,900	Coating			
Ethylbenzene	5,000	0	0	0	0	750	Coating			

Kobelco Cranes Co., Ltd.

	Discharge				Transpo	ortation	Major processes and purposes of
Substance	A 4	Public water	0 - 11	Landfill on	0	Outside	
Atmo	Atmosphere	body	Soil	premises	ses Sewage	office	use
Xylene	84,000	0	0	0	0	0	Coating
Toluene	49,000	0	0	0	0	0	Coating
Ethylbenzene	7,400	0	0	0	0	0	Coating

Japan Superconductor Technology Inc.

capan caporconadotor roomiolog	Appart amparation real management and management an										
	Discharge				Transp	ortation	Major processes and purposes of				
Substance	A4	Public water	0-:1	Landfill on	C	Outside					
	Atmosphere	body	Soil	premises	Sewage	office	use				
Dichloromethane (methylene chloride)	6,100	0	0	0	0	800	Degreaser				
Tetrahydromethylphthalic anhydride	65	0	0	0	0	2,100	Impregnation				
Bisphenol A epoxy resin (liquid form only)	0	0	0	0	0	2,200	Impregnation				

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

	Discharge				Transpo	ortation	Major processes and purposes of
Substance	Atmosphere	Public water body	Soil	Landfill on premises	Sewage	Outside office	use
Manganese and its compounds	8.2	0	0	0	0	1,100	Welding

Kobelco Eco-Solutions Co., Ltd. (Technical Research Laboratory)

Shinko Industrial Co., Ltd.

Substance	Atmosphere	Discharge Public water body	Soil	Landfill on premises	Transp Sewage	ortation Outside office	Major processes and purposes of use
Toluene	15,000	0	0	0	0	950	Coating
Xylene	14,000	0	0	0	0	900	Coating
Ethylbenzene	11,000	0	0	0	0	670	Coating

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