

Environmental Data by Location (main domestic Group members)

Akebono Brake Iwatsuki Manufacturing Co., Ltd. Production items: Disc brakes, Drum brakes and Bullet train disc brakes

Acquired the ISO14001 certification in March 2002

◆Air (Air Pollution Control Law and Prefectural ordinances)	Substances	Unit	Standard	FY2016		FY2017	
			Regulatory Limit	Maximum Emissions	Average Emissions	Maximum Emissions	Average Emissions
	Dust and soot	g/m ³ N	0.3	Not applicable, since heavy oil-fed boilers have been abolished.		Not applicable, since heavy oil-fed boilers have been abolished.	
	NOx	ppm	180				
	SOx	m ³ N/h	0.95				

◆Water (Water Pollution Control Law and Prefectural ordinances)	Substances	Unit	Average Daily Emissions during Operative Period	Average Daily Emissions	Maximum Emissions	Average Emissions	Maximum Emissions	Average Emissions
	pH	—	5.8~8.6	—	7.3	7.2	7.6	7.3
	BOD	mg/l	25	20	24	15	22	12
	COD	mg/l	—	—	28	15.2	25	14.6
	Suspended solids	mg/l	60	50	12	5.8	10	3.0
	Oil (n-hexane extract)	mg/l	5	—	Not detected	Not detected	Not detected	Not detected
	Total nitrogen	mg/l	120	60	58	40	59	50
	Total phosphorus	mg/l	16	—	1.5	0.4	0.4	0.2
	Colon bacilli	Number/cm ³	—	3,000	730	218	1,770	201
	Total chromium	mg/l	2	—	Not detected	Not detected	Not detected	Not detected
	Fluorine	mg/l	8	—	Not detected	Not detected	Not detected	Not detected
	Zinc	mg/l	2	—	0.9	0.4	0.7	0.4

◆ Emission Volume of PRTR Designated Chemical Substances

Unit: kg/Year

Name of Substance	Amount Handled		Amount Emitted				Amount Transported				Amount Removed through Proper Removal Methods		Amount Consumed (Attached to Products)	
			Atmosphere		Rivers		Landfill		Recycled					
	FY2016	FY2017	FY2016	FY2017	FY2016	FY2017	FY2016	FY2017	FY2016	FY2017	FY2016	FY2017	FY2016	FY2017
Nickel compounds	10,800	13,300	0	0	0	0	0	0	5,900	7,100	0	0	4,900	6,200
Total	10,800	13,300	0	0	0	0	0	0	5,900	7,100	0	0	4,900	6,200

Figures presented above exclude substances for which the annual handling volume is less than 1 ton. However, nickel compounds and other substances designated as Class I specified compounds are included, if their annual handling volume amounts to 500 kg or more.

In step with the enactment of the Sixth Total Emission Control Standards, regulatory limits for emissions at the Hanyu facilities (total nitrogen and total phosphorus) and Iwatsuki facilities (COD, total nitrogen and total phosphorus) were revised.

Accordingly, regulatory limits presented above are as of fiscal 2009.