

Plant Report

Environment data on MFTBC's plants

Environmental data on each MFTBC plant in FY2005 are as follows. (The limits shown are the strictest established under the various laws, ordinances and environmental protection agreements applicable to those plants. In the case of emissions into atmosphere, maximums are shown. Type 1 designated chemicals whose use is one ton per year or more are shown in the following PRTR tables.)

Kawasaki Plant

(ISO14001 certified: December 1999)

Location	10,Okura-cho, Nakahara-ku, Kawasaki-City, Kanagawa Pref.
Established	1941
Total site area	432,100m ²
Total facility area	304,700m ²
Employees	3,661
Main products	Light, medium and heavy-duty trucks, truck and bus engines and industrial engines
Production	Machining, press work, welding, painting and assembling



©Drainage

Substances	Unit	Regulation	Max	Min	Average
BOD	mg/l	300	74	11	26
SS	mg/l	300	45	2	13
Oil	mg/l	5	4.8	0.6	2.7
Total nitrogen	mg/l	150	17	3.7	9.4
Total phosphorous	mg/l	20	1.2	ND	0.4
Copper	mg/l	3	ND	ND	ND
Zinc	mg/l	3	0.27	0.1	0.17
mangan	mg/l	1	0.24	ND	0.23

©Atmospherer

Substances	Equipments	Unit	Regulation	Result
NOx	Boilers	ppm	130	41
	Heating system	ppm	150	73
	Ovens	ppm	250	7
	Gas turbines	ppm	70	5
Dust	Boilers	g/m ³ N	0.05	0.003
	Heating system	g/m ³ N	0.05	0.002
	Ovens	g/m ³ N	0.25	0.004
	Gas turbines	g/m ³ N	0.025	0.001

©Substances covered by PRTR (unit:kg/year)

Substance No.	Substances	Volume used	Emission		Transferred		Recycled	Eliminated	Consumed
			Atmosphere	Water	Drainage	Waste			
1	Zinc compounds (water-soluble)	3,300	0	0	67	362	0	0	2,871
16	2-aminoethanol	3,902	0	0	3,902	0	0	0	0
30	Bis Phenol A	2,061	0	0	0	62	0	0	1,999
40	Ethylbenzene	44,742	14,567	0	0	20	6,116	2,365	21,674
43	Ethylene Glycol	516,990	22	0	0	1,400	0	0	515,568
63	Xylene	305,939	190,558	0	0	719	14,271	3,777	96,613
227	Toluene	203,695	83,832	0	0	324	4,141	565	114,833
232	Nickel compounds	930	0	0	113	498	0	0	320
299	Benzene	7,609	139	0	0	0	0	0	7,470
309	Poly(oxyethylene) nonylphenyl ether	2,208	0	0	314	1,894	0	0	0
311	Manganese and its compounds	1,286	1	0	48	234	0	0	1,004
346	Molybdenum and its compounds	3,343	0	0	6	0	2,773	0	564
Total		1,096,005	289,119	0	4,450	5,513	27,301	6,707	762,916

Eliminated: amount transformed into other substance by incineration, decomposition and reaction
 Consumed: amount transformed into other substance by reaction or taken out as inclusion in the product
 NOx: General term for Nitrogen Oxides, which cause acid rain and produce photochemical oxidants.
 SOx: General term for Sulfur Oxides, which cause sulfuric acid mist and acid rain.
 BOD: Biological Oxygen Demand. Primary index for measuring contamination by organic substances in rivers. The higher the value, the less clear the water.

COD: Chemical Oxygen Demand. Primary index for measuring contamination by organic substances in lakes, marshes and the sea. The higher the value, the less clear the water.
 SS: Suspended Solids. Small particles of solid pollutants — 2mm diameter or less — that are suspended in liquids.
 ND: Not Detected (Not Detectable). Does not mean "non," but below the applicable limit of detection.

Nakatsu Plant

(ISO14001 certified:November 2001)

Location	4001, Aza-sakuradai, Aikawa-machi, Aiko-gun, Kanagawa Pref.
Established	1975
Total site area	35,700m ²
Total facility area	17,400m ²
Employees	180
Main products	Gear-related parts for transmissions
Production	Machining, heat treating



◎Drainage

Substances	Unit	Regulation	Max	Min	Average
BOD	mg/l	300	7	0.1	3
SS	mg/l	300	3	0.1	1
Oil	mg/l	5	2	0.1	0.4
Total nitrogen	mg/l	150	7.2	7.1	7.15
Total phosphorous	mg/l	20	0.05	ND	0.05
Copper	mg/l	3	ND	ND	ND
Zinc	mg/l	3	0.53	0.27	0.4
mangan	mg/l	1	ND	ND	ND

◎Sustances covered by PRTR (unit:kg/year)

Substance No.	Substances	Volume used	Emission		Transferred		Recycled	Eliminated	Consumed
			Atmosphere	Water	Drainage	Waste			
63	Xylene	2,887	123	0	0	0	0	0	2,764
227	Toluene	4,070	32	0	0	0	0	0	4,038
Total		6,957	155	0	0	0	0	0	6,802

◎Atmospherer

Substances	Facilities	Unit	Regulation	Result
NOx	Boilers	ppm	130	75
	Ovens	ppm	200	33
Dust	Boilers	g/m ³ N	0.3	0.001
	Ovens	g/m ³ N	0.25	0.009

Oye Bus Plant

(ISO14001 certified:December 1998)

Location	3998-16, Aza-Minami, Motohoshizaki-cho, Minato-ku, Nagoya-City, Aichi Pref.
Established	1982
Total site area	42,600m ²
Total facility area	28,000m ²
Employees	221
Main products	Light-duty buses
Production	Welding, painting and assembling



◎Drainage:Treatment is entrusted to outer company

◎Atmosphere:No emitting facilities

◎Sustances covered by PRTR (unit:kg/year)

Substance No.	Substances	Volume used	Emission		Transferred		Recycled	Eliminated	Consumed
			Atmosphere	Water	Drainage	Waste			
1	Zinc compounds (water-soluble)	5,488	0	88	0	604	0	0	4,796
40	Ethylbenzene	2,522	353	0	0	9	2,113	0	48
43	Ethylene Glycol	35,002	0	0	0	0	0	0	35,002
63	Xylene	57,137	28,258	0	0	1,089	27,540	0	250
227	Toluene	8,719	5,176	0	0	363	2,868	0	312
232	Nickel compounds	668	0	81	0	357	0	0	230
Total		109,536	33,787	169	0	2,422	2,422	32,521	40,638

Environmental data on plants of MFTBC's Affiliates

Environmental data on plants of major domestic affiliates of MFTBC in FY2005 are as follows. (The limits shown are the strictest laid down under the various laws, ordinances and environmental protection agreements applicable to those plants. In the case of emissions into atmosphere, maximums are shown.)

Techno-Metal Co.,Ltd. Nihonmatsu Plant^{*1}

(ISO14001 certified:March 2003)

Location	100, Takada, Nihonmatsu-City, Fukushima Pref.
Established	1971
Total site area	326,000m ²
Total facility area	65,400m ²
Employees	818
Main products	Automobile parts, construction machinery, industrial casting, forgings, and aluminum parts
Production	Casting, forging, aluminum die-casting, metal molding, machining

◎Drainage

Substances	Unit	Regulation	Max	Min	Average
BOD	mg/l	20	7.7	2.8	4.7
COD	mg/l	20	4.4	less than1.0	1.4
SS	mg/l	40	2.0	—	—
Oil	mg/l	5	less than1.0	—	—

◎Atmospherer

Substances	Equipments	Unit	Regulation	Result
NOx	Boilers	ppm	200	58
	Heating ovens	ppm	170	160
	In-house power generators	ppm	750	690
Dust	Boilers	g/m ³ N	0.2	0.008
	Heating ovens	g/m ³ N	0.2	0.078
	In-house power generators	g/m ³ N	0.1	0.009
Dioxin and its compounds	Incinerators	ng-TEQ/m ³ N	5	0.025

Mitsubishi Fuso Bus Manufacturing Co.,Ltd.

(ISO14001 certified:December 2003)

Location	1, Dojo, Fuchu-machi, Toyama-City, Toyama Pref.
Established	1950
Total site area	176,900m ²
Total facility area	52,400m ²
Employees	704
Main products	Heavy and medium-duty buses
Production	Welding, painting and assembling

◎Drainage

Substances	Unit	Regulation	Max	Min	Average
BOD	mg/l	20	4.0	1.0	2.47
SS	mg/l	40	9.0	1.0	5.83
Oil	mg/l	5	ND	ND	ND

◎Atmospherer

Substances	Equipments	Unit	Regulation	Result
NOx	Boilers	ppm	150	37
	ovens	ppm	170	67
Dust	Boilers	g/m ³ N	0.1	0.01
	ovens	g/m ³ N	0.2	0.01

PABCO Co.,Ltd. Sagami Plant

(ISO14001 certified:June 2000)

Location	456, Kashiwagaya, Ebina-City, Kanagawa Pref.
Established	1945
Total site area	88,700m ²
Total facility area	56,200m ²
Employees	579
Main products	Bodies and vans to be mounted on trucks
Production	Welding, painting and assembling

◎Drainage

Substances	Unit	Regulation	Max	Min	Average
BOD	mg/l	300	24.0	11.0	14.4
SS	mg/l	300	13.0	2.0	4.9
Oil	mg/l	5	2.5	1.0	1.5

◎Atmospherer

Substances	Equipmen	Unit	Regulation	Result
NOx	Boilers	ppm	150	95
Dust	Boilers	g/m ³ N	0.1	0.0042