

## Main Business Establishments and Affiliates

ENVIRONMENTAL SUSTAINABILITY REPORT 2004

June 29, 2004

Business establishments		Address	Telephone
Head Office		2-16-4, Konan, Minato-ku, Tokyo 108-8410, Japan	(03) 6719-2111
R&D Centers	Okazaki region	1, Nakashinkiri, Hashime-cho, Okazaki, Aichi 444-8501, Japan	(0564) 31-2116
	Kyoto region	1, Uzumasa, Tatsumi-cho, Ukyo-ku, Kyoto 616-8501, Japan	(075) 864-8001
	Tokachi Proving Ground	22-1, Osarusi, Otofuke-cho, Kato-gun, Hokkaido 080-0271, Japan	(0155) 32-7111
Nagoya Plant		1, Nakashinkiri, Hashime-cho, Okazaki, Aichi 444-8501, Japan	(0564) 31-2116
Mizushima Plant		1-1, Mizushima Kaigandori, Kurashiki, Okayama 712-8501, Japan	(086) 444-4114
Powertrain Plant		1, Uzumasa, Tatsumi-cho, Ukyo-ku, Kyoto 616-8501, Japan	(075) 864-8001
	Shiga	2-1, Kosunamachi, Kosei-cho, Koga-gun, Shiga 520-3212, Japan	(0748)75-3131
	Mizushima	1-1, Mizushima Kaigandori, Kurashiki, Okayama 712-8501, Japan	(086) 444-4114

March 31, 2004

Main affiliates	Location	Line of business	Ownership	Capital
Mitsubishi Automotive Engineering Co., Ltd.	Kawasaki City, Kanagawa	Development and design of vehicles and parts	100%	¥ 450m
Pajero Manufacturing Co., Ltd.	Kamo-gun, Gifu	Manufacture of Pajero, die-cast and sheet metal parts	100%	¥ 610m
Mitsubishi Automotive Techno-Service Co., Ltd.	Shinagawa-ku, Tokyo	Servicing of new passenger cars, diesel engine recycling	100%	¥ 400m
Mitsubishi Auto Credit-Lease Corporation	Minato-ku, Tokyo	Credit services, car rental, leasing	43.25%	¥ 960m
Mitsubishi Automotive Logistics Co., Ltd.	Minato-ku, Tokyo	Original contractor for transport of finished vehicles for domestic and export markets	75%	¥ 300m
Suiryo Plastics Co., Ltd.	Asakuchi-gun, Okayama	Manufacture and marketing of vehicle parts	100%	¥ 100m
Mitsubishi Motors North America, Inc. (MMNA)	USA	Manufacture, import and marketing of vehicles and collection of related information	100%	US\$954m
Mitsubishi Motors Europe B. V. (MME)	Netherlands	Overall control of European facilities	100%	EUR1,282m
Netherlands Car B. V. (NedCar)	Netherlands	Manufacture of vehicles	85% MME 15%	EUR250m
Mitsubishi Motors Australia Ltd. (MMAL)	Australia	Manufacture, import and marketing of vehicles	100%	A\$499m
Mitsubishi Motors (Thailand) Co., Ltd.	Thailand	Manufacture, import and marketing of vehicles	99.79%	Baht7,000m
Mitsubishi Motors Philippines Corp. (MMPC)	Philippines	Import, assembly and marketing of vehicles	51%	Pesos1,640m
Asian Transmission Corporation (ATC)	Philippines	Assembly of engines and transmissions, etc. for vehicles	5.3% MMPC 80%	Pesos350m
MMC Computer Research., Ltd.	Okazaki City, Aichi	Computer development related work	100%	¥ 30m
Mizushima Industries Co., Ltd.	Kurashiki City, Okayama	Manufacture of light special purpose vehicles and vehicle parts	100%	¥ 64m
Mitsubishi Motors Training Center Co., Ltd.	Okazaki City, Aichi	Center for car mechanic training and domestic and overseas repair and servicing skills training	100%	¥ 750m
MMC Test and Drive Corporation	Okazaki City, Aichi	Test driving, measuring and servicing of test vehicles	100%	¥ 50m
Ralliart Inc.	Minato-ku, Tokyo	Participation in and support for motor sports	100%	¥ 54m
MMC International Corporation	Minato-ku, Tokyo	Vehicle and parts export procedure agency and technical translation services	100%	¥ 40m
JIN, Inc.	Minato-ku, Tokyo	Education and training services relating to corporate personnel development	100%	¥ 11m

On the following pages data can be found on the state of emissions regarding the main indicators of air and water quality at MMC main production affiliates in Japan in FY 2003.

## Pajero Manufacturing Co., Ltd. (ISO 14001 certified : July 1999)

<b>Address</b>	2079 Sakakura, Sakahogi-cho, Kamo-gun, Gifu	<b>Employees</b>	1,360
<b>Established</b>	December 1943	<b>Main products</b>	Passenger cars
<b>Total site / building area</b>	189,183 / 108,762m <sup>2</sup>	<b>Production process</b>	Stamping, welding, painting, assembling

### ◎ The air

Substances	Equipment	Unit	Regulation	Actual value
NO <sub>x</sub>	Boiler	ppm	180	78
	Oven	ppm	230	29
Dust	Boiler	g/m <sup>3</sup> N	0.2 *	<0.01
	Oven	g/m <sup>3</sup> N	0.2	<0.01

● Emissions are maximum measured values.

### ◎ The water

Substances	Unit	Regulation	Max.	Min.	Average
PH		5.8-8.6 *	7.2	6.6	7.0
COD(total)	kg/day	39.3	19.2	12.9	16.1
BOD	mg/l	20 *	3.2	0.5	1.5
SS	mg/l	50 *	7.0	<1.0	<2.0
Oil	mg/l	5 *	2.0	<1.0	<1.1

\*Regulatory values under an environmental protection agreement with the town (Sakahogi-cho, Kamo-gun, Gifu Prefecture)

## Mizushima Industries Co., Ltd. (ISO 14001 certified : October 2001)

<b>Address</b>	2-1, Mizushimatakasago-cho, Kurashiki City, Okayama	<b>Employees</b>	430
<b>Established</b>	February 1957	<b>Main products</b>	Vehicle parts
<b>Total site / building area</b>	23,361 / 21,811m <sup>2</sup>	<b>Production process</b>	Welding, painting, assembling

### ◎The air No emitting facilities

### ◎ The water

Substances	Unit	Regulation	Max.	Min.	Average
PH		5.8-8.6	7.9	6.7	7.2
COD	mg/l	30(40)*	20.0	4.0	14.2
BOD	mg/l	30(40)*	4.9	1.1	2.8
SS	mg/l	50(60)*	6.0	2.0	3.8
Oil	mg/l	5	0.6	ND	<0.5

\* More stringent regulatory values under a prefectural ordinance (Okayama Prefecture)

## Suiryo Plastics Co., Ltd. (ISO 14001 certified : June 2002)

<b>Address</b>	1424 Mizue, Funao-cho, Asakuchi-gun, Okayama	<b>Employees</b>	640
<b>Established</b>	October 1968	<b>Main products</b>	Manufacture and marketing vehicle parts
<b>Total site / building area</b>	67,600 / 39,000m <sup>2</sup>	<b>Production process</b>	Welding, painting, assembling

### ◎ The air No emitting facilities

### ◎ The water

Substances	Unit	Regulation	Max.	Min.	Average
PH		5.8-8.6	7.9	7.3	7.6
COD	mg/l	30*	8.2	1.2	3.7
BOD	mg/l	20 *	15.0	0.6	3.0
SS	mg/l	50 *	7.4	0.3	2.4
Oil	mg/l	5 *	0.3	ND	<0.3

\* More stringent regulatory values under a prefectural ordinance (Okayama Prefecture)

On the following pages data can be found on the state of emissions regarding the main indicators of air and water quality and use of substances covered by the PRTR system at MMC plants in FY 2003. (The limits shown are the strictest laid down under the various laws,

ordinances and environmental protection agreements applied to these plants. In the case of emissions into the atmosphere, maximums are shown. Shown in following PRTR tables, type 1 designated chemicals whose annual use is below 1 ton per year are not included.)

◎ Technical terms used in tables

<b>NOx</b>	Nitrogen Oxide
<b>SOx</b>	Sulfur Oxide
<b>BOD</b>	Biochemical Oxygen Demand
<b>COD</b>	Chemical Oxygen Demand
<b>SS</b>	Suspended solids in water
<b>ND</b>	Not detectable

MMC Nagoya Plant (ISO 14001 certified : November 1998)

■ Okazaki Plant



<b>Address</b>	1, Nakashinkiri, Hashime-cho, Okazaki, Aichi
<b>Established</b>	1977
<b>Total site / building area</b>	425,000 / 140,000m <sup>2</sup>
<b>Employees</b>	2,400
<b>Main products</b>	Passenger cars
<b>Production process</b>	Stamping, welding, painting, assembling, resin forming

◎ The air

Substances	Equipment	Unit	Regulation	Actual value
<b>NOx</b>	Small boiler	ppm	120	48
	Boiler	ppm	100	52
	Oven	ppm	250	56
	Incinerator	ppm	200	84
<b>Dust</b>	Small boiler	g/Nm <sup>3</sup>	0.1	0.003
	Boiler	g/Nm <sup>3</sup>	0.1	0.003
	Oven	g/Nm <sup>3</sup>	0.1	0.010
	Incinerator	g/Nm <sup>3</sup>	0.1	0.070
<b>SOx (sulfur rate in fuel)</b>		wt%	1	0.003
<b>Dioxins</b>	ncinerator	ng-TEQ/Nm <sup>3</sup>	10	0.47

◎ The water

Substances	Unit	Regulation	Max.	Min.	Average
<b>BOD</b>	mg/l	20	3.9	1.3	2.3
<b>COD</b>	mg/l	20	12.8	1.3	5.2
<b>SS</b>	mg/l	20	3.0	1.0	1.0
<b>Oil</b>	mg/l	2	1.3	0.5	0.7
<b>Total nitrogen</b>	mg/l	60	10.0	3.6	0.62
<b>Total phosphate</b>	mg/l	8	0.38	0.01	0.12
<b>Copper</b>	mg/l	0.5	0.02	0.01	0.01
<b>Zinc</b>	mg/l	1	0.12	0.01	0.04
<b>Manganese</b>	mg/l	3	0.8	0.2	0.39
<b>Total chrome</b>	mg/l	0.1	0.04	0.02	0.02
<b>Lead</b>	mg/l	0.1	0.005	0.005	0.005

◎ Substances covered by PRTR (Unit : kg/year)

Substance no.	Substance name	Quantity used	Emissions		Movements		Recycled	Consumed <sup>*1</sup>	Eliminated <sup>*2</sup>
			Air	Public water	Sewerage system	Waste			
1	Zinc compounds (water-soluble)	11,977	0	36	0	1,473	0	10,468	0
9	Bis (2-ethylhexyl) adipate	14,150	0	0	0	424	0	13,711	14
30	Bisphenol A type epoxy resin	6,792	0	0	0	102	0	6,686	3
40	Ethylbenzene	72,054	29,421	0	0	0	0	40,833	1,800
43	Ethylene glycol	252,428	0	0	0	0	0	252,428	0
63	Xylene	528,604	204,923	0	0	14	42,750	196,984	83,932
224	1,3,5-trimethylbenzene	5,168	4,741	0	0	0	0	0	427
227	Toluene	658,380	221,495	0	0	48	70,854	314,910	51,074
232	Nickel compounds	1,791	0	18	0	962	0	811	0
299	Benzene	16,406	121	0	0	0	0	16,285	0
310	Formaldehyde	1,151	521	0	0	0	0	0	630
311	Manganese and its compounds	3,590	0	179	0	1,181	0	2,230	0
<b>Total</b>		<b>1,572,490</b>	<b>461,221</b>	<b>233</b>	<b>0</b>	<b>4,204</b>	<b>113,604</b>	<b>855,346</b>	<b>137,881</b>
179	Dioxins (mg-TEQ/year)	(245)	41	0.001	0	204	0	0	0

■ Oye Plant

\* Data is also provided on the Oye Plant, a production facility that was part of MMC until August 2003, although production there has been stopped.

<b>Address</b>	2, Oye-cho, Minato-ku, Nagoya, Aichi
<b>Established</b>	1920
<b>Total site / building area</b>	222,000 / 164,000m <sup>2</sup>

◎ The air

No emitting facilities

◎ The water

Substances	Unit	Regulation	Max.	Min.	Average
<b>BOD</b>	mg/l	20	5.2	0.9	2.9
<b>SS</b>	mg/l	20	15.0	2.0	7.5
<b>Oil</b>	mg/l	5	1.5	0.5	0.8
<b>Total nitrogen</b>	mg/l	60	8.5	4.0	6.2
<b>Total phosphate</b>	mg/l	8	0.48	0.13	0.39
<b>Copper</b>	mg/l	1	0.02	<0.01	0.01
<b>Zinc</b>	mg/l	5	0.21	0.07	0.13
<b>Total chrome</b>	mg/l	2	<0.02	<0.02	<0.02
<b>Lead</b>	mg/l	0.1	<0.005	<0.005	<0.005
<b>Manganese</b>	mg/l	10	<0.1	<0.1	<0.1

\* Relegated to another company since August 2003

◎ Substances covered by PRTR (Unit : kg/year)

Substance name	Quantity used	Emissions		Movements		Recycled	Consumed <sup>*1</sup>	Eliminated <sup>*2</sup>
		Air	Public water	Sewerage system	Waste			
<b>No applicable substances</b>	0	0	0	0	0	0	0	0

\*1: Amount converted to other substances by reaction or contained in products

\*2: Amount converted to other substances as a result of incineration, resolution or reaction

## MMC Powertrain Plant (ISO 14001 certified : November 1998)

### Kyoto plant



Address	1, Uzumasa, Tatsumi-cho, Ukyo-ku, Kyoto
Established	1944
Total site / building area	299,000 / 259,500m <sup>2</sup>
Employees	1,200
Main products	Passenger car engine
Production process	Casting, machining, assembling

#### ◎ The air

Substances	Equipment	Unit	Regulation	Actual value
NOx	Boiler	ppm	150	78
	Melting furnace	ppm	200	103
	Heating furnace	ppm	180	88
	Oven	ppm	230	49
Dust	Gas turbine	ppm	70	45
	Boiler	g/Nm <sup>3</sup>	0.1	0.004
	Melting furnace	g/Nm <sup>3</sup>	0.1	0.048
	Heating furnace	g/Nm <sup>3</sup>	0.2	0.055
Oven	g/Nm <sup>3</sup>	0.2	0.015	
SOx (sulfur rate in fuel)		wt%	0.5	0.01
Dioxins	Aluminum melting furnace	ng-TEQ/Nm <sup>3</sup>	5	< 1.1

#### ◎ The water

Substances	Unit	Regulation	Max.	Min.	Average
BOD	mg/ℓ	600	14	1	4.2
COD	mg/ℓ	—	20	5	11
SS	mg/ℓ	600	9	<5	5.3
Oil	mg/ℓ	5	3	<1	1
Total nitrogen	mg/ℓ	240	25	1.1	7.8
Total phosphate	mg/ℓ	32	0.1	<0.1	0.1
Copper	mg/ℓ	3	<0.05	<0.05	<0.05
Zinc	mg/ℓ	5	1.0	<0.05	0.3
Manganese	mg/ℓ	10	0.8	<0.5	<0.5
Total chrome	mg/ℓ	2	<0.05	<0.05	<0.05

● Discharged into sewerage system

#### ◎ Substances covered by PRTR (Unit : kg/year)

Substance no.	Substance name	Quantity used	Emissions		Movements		Recycled	Consumed *1	Eliminated *2
			Air	Public water	Sewerage system	Waste			
29	Bisphenol A	1,290	759	0	0	16	0	515	0
40	Ethylbenzene	7,579	26	0	0	1	0	7,553	0
43	Ethylene glycol	3,749	0	0	0	112	0	3,636	0
63	Xylene	96,676	118	0	0	1,877	0	94,682	0
68	Chromium and chromium ( III ) compounds	80,613	0	0	0	0	0	80,613	0
109	2-(diethylamino)ethanol	1,500	0	0	0	636	0	864	0
144	HCFC-225	1,225	0	0	0	37	0	1,188	0
198	Hexamethylenetetramine	12,070	0	0	0	12,070	0	0	0
227	Toluene	63,127	217	0	0	8	0	62,901	0
266	Phenol	11,115	0	0	0	0	0	0	11,115
283	Hydrogen fluoride and its water soluble salts	4,066	0	0	0	0	0	4,066	0
299	Benzene	3,066	11	0	0	0	0	3,055	0
310	Formaldehyde	6,327	5,865	0	0	0	0	0	462
341	Methylenebis diisocyanate	31,028	0	0	0	3,103	0	27,925	0
<b>Total</b>		<b>323,430</b>	<b>6,996</b>	<b>0</b>	<b>0</b>	<b>17,860</b>	<b>0</b>	<b>286,998</b>	<b>11,577</b>
179	Dioxins (mg-TEQ/year)	(68)	68	0	0.002	0	0	0	0

### Siga Plant



Address	2-1, Kosunamachi, Kosei-cho, Koga-gun, Shiga
Established	1979
Total site / building area	172,800 / 64,000m <sup>2</sup>
Employees	500
Main products	Passenger car engine
Production process	Machining, assembling

#### ◎ The air

Substances	Equipment	Unit	Regulation	Actual value
NOx	Boiler	ppm	150	100
Dust	Boiler	g/Nm <sup>3</sup>	0.1	0.005

#### ◎ The water

Substances	Unit	Regulation	Max.	Min.	Average
BOD	mg/ℓ	20	8.5	1	2.4
COD	mg/ℓ	20	10	1.2	3.1
SS	mg/ℓ	20	5.5	0.5	1.4
Oil	mg/ℓ	5	0.5	0.5	0.5
Total nitrogen*	mg/ℓ	12/8	5.4/6.1	0.5/0.7	2.2/3.0
Total phosphate*	mg/ℓ	1.2/0.6	60.1/0.1	0.1/0.1	0.1/0.1
Copper	mg/ℓ	1	<0.01	<0.01	<0.01
Zinc	mg/ℓ	1	<0.01	<0.01	<0.01
Manganese	mg/ℓ	10	<0.1	<0.1	<0.1
Total chrome	mg/ℓ	0.1	<0.01	<0.01	<0.01

\*Regulatory values differ from plant to plant (existing plants / new plants)

#### ◎ Substances covered by PRTR (Unit : kg/year)

Substance no.	Substance name	Quantity used	Emissions		Movements		Recycled	Consumed *1	Eliminated *2
			Air	Public water	Sewerage system	Waste			
63	Xylene	2,344	5	0	0	26	0	2,313	0
227	Toluene	2,200	8	0	0	0	0	2,192	0
<b>Total</b>		<b>4,544</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>0</b>	<b>4,505</b>	<b>0</b>

\*1: Amount converted to other substances by reaction or contained in products

\*2: Amount converted to other substances as a result of incineration, resolution or reaction

MMC Mizushima Plant (ISO 14001 certified : December 1998)

## Mizushima Plant



Address	1, Uzumasa, Tatsumi-cho, Ukyo-ku, Kyoto
Established	1943
Total site / building area	1,245,700 / 465,400m <sup>2</sup>
Employees	4,200
Main products	Passengre car engine
Production process	Casting machining, assembling

### ◎The air

Substances	Equipment	Unit	Regulation	Actual value
NOx	Boiler	ppm	150	77.8
	Oven	ppm	230	39.5
Dust	Boiler	g/Nm <sup>3</sup>	0.1	0.004
	Oven	g/Nm <sup>3</sup>	0.1	0.002
SOx (sulfur rate in fuel)		wt%	0.5	0.08

● Closed in November 2002

### ◎The water

Substances	Unit	Regulation	Max.	Min.	Average
BOD	mg/l	20	10.7	3.5	6.2
COD	mg/l	20	17.0	7.4	10.6
SS	mg/l	20	5.6	1.4	2.8
Oii	mg/l	1	0.3	0.3	0.3
Total nitrogen	mg/l	60	20.4	2.6	6.8
Total phosphate	mg/l	8	9.10	0.94	3.1
Copper	mg/l	3	<0.01	<0.01	<0.01
Zinc	mg/l	5	0.03	0.03	0.03
Manganese	mg/l	10	0.20	0.20	0.20
Total chrome	mg/l	0.5	<0.01	<0.01	<0.01
Lead	mg/l	0.1	<0.005	<0.005	<0.005

### ◎Substances covered by PRTR (Unit : kg/year)

Substance no.	Substance name	Quantity used	Emissions		Movements		Recycled	Consumed*1	Eliminated*2
			Air	Public water	Sewerage system	Waste			
1	Zinc compounds (water-soluble)	36,151	0	658	0	6,780	0	28,713	0
16	2-aminoethanol	8,803	0	0	0	0	0	0	8,803
30	Bisphenol A type epoxy resin	9,112	0	0	0	273	0	8,839	0
40	Ethylbenzen	195,843	139,901	0	0	10,984	0	32,401	12,558
43	Ethylene glycol	1,198,118	0	0	0	0	0	1,198,118	0
63	Xylene	1,322,215	820,149	0	0	26,960	271,061	160,509	43,537
101	Ethylene glycol monoethyl ether acetate	8,173	7,041	0	0	333	0	0	799
176	Organic tin compounds	18,173	0	0	0	909	0	17,264	0
224	1,3,5-trimethylbenzene	6,397	1,141	0	0	2,677	0	2,251	57
227	Toluene	1,269,660	696,438	0	0	15,104	315,734	232,960	9,423
232	Nickel compounds	6,802	0	816	0	3,673	0	2,313	0
266	Phenol	2,105	0	0	0	0	0	0	2,105
272	Bis(2-ethylhexyl) phthalate	2,444	0	0	0	73	0	2,371	0
299	Benzene	16,160	48	0	0	0	0	16,112	0
307	Poly(oxyethylene) alkyl ether	3,963	0	40	0	3,924	0	0	0
309	Poly(oxyethylene) nonylphenyl ether	1,353	0	14	0	1,339	0	0	0
310	Formaldehyde	2,850	880	0	0	0	0	0	1,970
311	Manganese and its compounds	5,638	0	326	0	1,949	0	3,364	0
<b>Total</b>		<b>4,113,960</b>	<b>1,665,598</b>	<b>1,853</b>	<b>0</b>	<b>74,979</b>	<b>586,795</b>	<b>1,705,482</b>	<b>79,252</b>

\*1: Amount converted to other substances by reaction or contained in products

\*2: Amount converted to other substances as a result of incineration, resolution or reaction