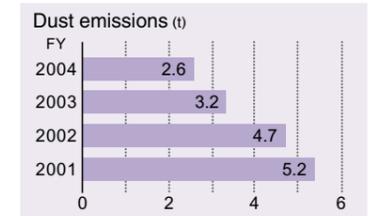
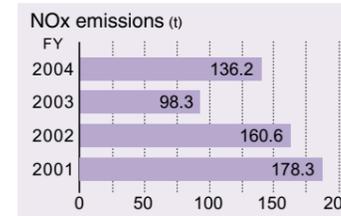
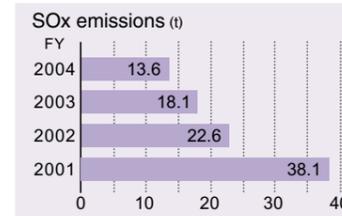


Environmental Data

In our work to reduce environmental impacts, we are promoting energy conservation, the prevention of global warming, waste reduction, and chemical substance reduction. The table below summarizes the energy and resource inputs and outputs associated with our FY2004 business activities by internal companies and major affiliates. Information about the environmental impacts and products of our major production works is given on pages 29 and 30.

Internal Companies/Affiliates

- * 1. Performance items in the table below were taken from State of Activities for Reduction of Environmental Impact contained in the Environmental Reporting Guidelines of the Ministry of the Environment in Japan. Environmental data is given in the horizontal direction for internal companies as well as for a single group consisting of the Head Offices, branch offices and the Corporate Technology Division.
- * 2. The discharge concentration of regulated substances and the generation of noise, vibrations and odors are listed as "Compliant" or "Not Compliant."
- * 3. "-" shows that data was unavailable. "0" means the measured data was zero.
- * 4. "Not applicable" means there were no regulated facilities that caused environmental impacts of this type.
- * 5. Data in [] is the percentage of increase/decrease from the performance data of the previous year and is provided only where last year's data was available.



Performance Items *1		Units	Rolling Stock & Construction Machinery Company	Aerospace Company	Gas Turbines & Machinery Company	Plant & Infrastructure * Engineering Company	Consumer Products & Machinery Company	Head Offices, Branch Offices & Corporate Technology Division	Kawasaki Shipbuilding Corporation	Kawasaki Precision Machinery Ltd. (KPM)	Total	Comparison with Previous Year *5		
Environmental Impacts from Material/Energy Input	Total material input: Metals (steel, aluminum, copper, etc.)	ton	58,043	8,783	21,961	31,216	172,610	98	171,676	29,309	493,696	[+5.8%]		
	Recycled material amount	ton	5,130	0	0	0	725	0	1,497	0	7,352			
	Total energy consumption	Electricity	TJ	491	647	518	131	760	88	557	300	3,490	[0%]	
		Fuel	TJ	147	584	531	26	681	45	354	202	2,570	[+3.5%]	
	Total	TJ	637	1,231	1,048	157	1,441	133	911	502	6,060	[+1.5%]		
	Renewable energy consumption	TJ	0	0	0	0	0	0	0	0	0	0		
	Water consumption	m ³	602,487	4,018,757	526,162	92,291	1,208,437	69,883	872,384	225,586	7,615,987	[+6.4%]		
	Recycled water amount	m ³	0	88,530	0	30,222	30,234	0	34,425	22,831	206,242	[-42.2%]		
Recycled resource and recycled parts input	ton	0	0	0	25	0	0	0	0	25	[+150%]			
Amount of hazardous material handled	ton	1,997.5	115.7	27.0	26.7	614.9	0	927.8	41.7	3,751.3	[+25.3%]			
Upstream Environmental Impacts														
	Green purchasing	1 million yen	18	276	18	461	189	17	9	32	1,021	[-13.8%]		
Environmental Impacts from Output of Refuse	Emissions to Air	Greenhouse gas emissions	t-CO ₂	27,149	65,341	51,305	6,270	63,180	5,494	44,712	21,391	284,842	[+4.4%]	
		Ozone depleting substance emissions	ODP ton	0	0	0	0	0	0	0	0	0		
		SOx emissions	ton	5.1	4.2	4.2	0	0.1	— *3	0.03	0.02	13.6	[-25.2%]	
		NOx emissions	ton	5.1	34.6	75.3	0.3	10.2	— *3	0.2	10.5	136.2	[+38.5%]	
		Soot and dust emissions	ton	0.87	0.39	0.65	0	0.54	— *3	0.03	0.09	2.57	[-19.3%]	
		VOCs emissions	ton	169.6	152.0	19.2	25.5	138.1	— *3	1,113.1	34.1	1,651.6		
		PRTR regulated substance emissions	ton	169.9	64.2	19.2	24.9	138.1	0	738.1	34.1	1,188.6	[+8.5%]	
		Concentration of restraint substances when emitted	SOx	PPM	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Not applicable *4	Compliant *2	Compliant *2	Compliant *2	
			NOx	PPM	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Not applicable *4	Compliant *2	Compliant *2	Compliant *2	
			Dust	g/m ³ N	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Not applicable *4	Compliant *2	Compliant *2	Compliant *2	
	Dioxins		ng/m ³ N	Not applicable *4	Not applicable *4	Not applicable *4	Not applicable *4	Compliant *2	Not applicable *4	Not applicable *4	Not applicable *4	Compliant *2		
	Benzene	mg/m ³ N	Not applicable *4	Not applicable *4	Not applicable *4	Not applicable *4	Not applicable *4	Not applicable *4	Not applicable *4	Not applicable *4	Not applicable *4			
	Noise and vibration	dB	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Not applicable *4	Compliant *2	Compliant *2	Compliant *2		
	Odor	m ³ /min	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Not applicable *4	Compliant *2	Compliant *2	Compliant *2		
Emissions to "Water and Soil"	Total amount of drainage	m ³	276,483	2,239,580	127,884	26,145	639,288	0	114,939	68,457	3,492,776			
	PRTR regulated substance discharge	ton	0	0.3	0	0	2.0	— *3	0	0	2.4	[-20.9%]		
	COD discharge	ton	0.5	8.6	0.05	0.09	5.3	0	1.3	0.5	16.3	[-1.4%]		
	Nitrogen discharge	ton	0.8	15.1	0.03	0.3	10.7	— *3	1.0	0.8	28.7			
	Phosphorus discharge	ton	0.04	0.18	0.002	0.05	0.34	— *3	0.32	0.11	1.04			
	Density of emissions of substances under drainage control	mg/L	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2	Compliant *2		
Emissions of Wastes	Total amount of wastes	ton	12,380	3,726	4,909	4,178	14,992	361	22,582	3,803	66,929	[+0.8%]		
	Reused resources	ton	5,176	2,052	1,078	3,275	4,418	154	16,733	522	33,408			
	Recycled resources	ton	6,745	1,056	3,522	504	9,355	115	2,542	3,070	26,909	[+1.9%]		
	Resources subject to thermal energy recovery	ton	423	388	279	399	1,184	83	123	210	3,089			
	Amount of wastes incinerated	ton	0	0	0	0	0	0	2,023	0	2,023	[-3.8%]		
	Final disposal wastes	ton	35	5	24	0	36	10	1,160	0	1,270	[-39.6%]		
	Waste reduction by intermediate treatment	ton	0	225	6	0	0	0	0	0	231			
	Specially controlled industrial waste	ton	96.4	184.4	0.2	0	606.8	22.6	89.2	25.2	1,024.9	[-1.2%]		
PRTR substance transfer	ton	140.8	37.1	2.7	1.8	40.2	0	36.8	7.6	267.0	[+8.7%]			
Downstream Environmental Impacts														
	Environmental impact caused by product characteristics		P13-20	P13-20	P13-20	P13-20	P13-20	P13-20	P13-20	P13-20	P13-20			
	Production and sale of environmental impact reducing products		— *3	— *3	— *3	— *3	— *3	— *3	— *3	— *3	— *3			
Environmental Impacts from Transportation	CO ₂ emissions during transport	t-CO ₂	9	339	51	388	20	2	0	0	810			
	NOx emissions during transport	ton	0.07	1.67	0.59	2.44	0.14	0	0	0	4.91			
	Number of eco-vehicles introduced	unit	0	6	6	8	10	0	0	0	30	[-44.4%]		

★ Plant & Infrastructure Engineering Company: The Environmental Division and Steel Structure Division are under direct control of the Head Office, while the Power Plant Division became an independent company, Kawasaki Plant Systems, in April 2005.

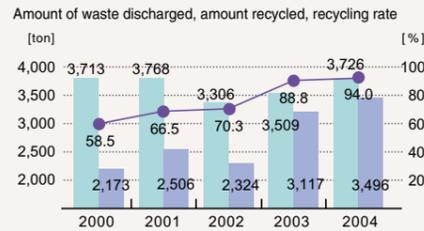
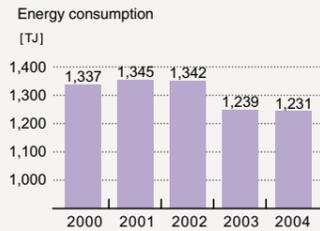
Production Base

Gifu Works
(including Nagoya Works 1 and Nagoya Works 2)

Major products: aircraft (including helicopters), spacecraft, aviation-related facilities and equipment
Address: 1 Kawasaki-cho, Kakamigahara, Gifu 504-8710 Japan



BK117 C-2 helicopter



Amount released into the atmosphere (ton)

SOx	4.2
NOx	34.6
Dust	0.39

Amount released into public water (ton)

COD	8.6
Nitrogen	15.1
Phosphorus	0.18

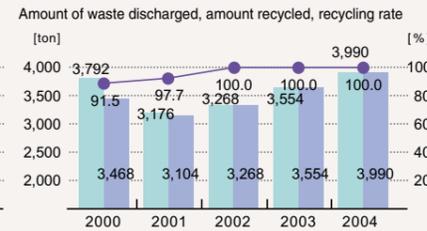
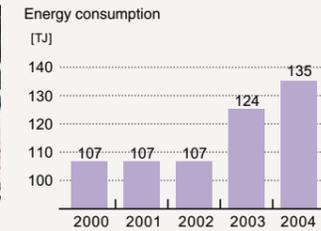
Wastes: Discharged amount Recycled amount Recycling rate

Harima Works

Major products: plants, environmental protection facilities, boilers, construction machinery, steel structures
Address: 8 Nijima, Harima, Kako, Hyogo, 675-0155 Japan



Detachable slurry triple station shield machine



Amount released into the atmosphere (ton)

SOx	0
NOx	0.3
Dust	0

Amount released into public water (ton)

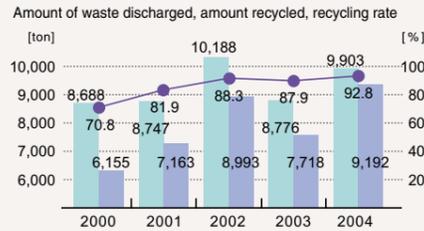
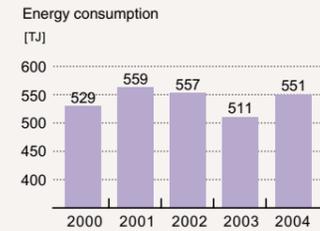
COD	0.09
Nitrogen	0.3
Phosphorus	0.05

Kobe Works
(including Kawasaki Shipbuilding Corporation)

Major products: marine vessels, offshore structures, submarines, land and marine turbines, diesel engines
Address: 3-1-1 Higashikawasaki-cho, Chuo-ku, Kobe, Hyogo 650-8670 Japan



Two-cycle marine diesel engine



Amount released into the atmosphere (ton)

SOx	4.2
NOx	75.3
Dust	0.7

Amount released into public water (ton)

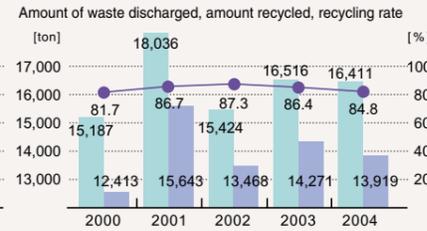
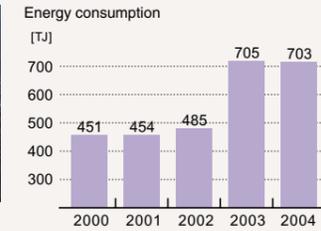
COD	0.05
Nitrogen	0.03
Phosphorus	0.002

Sakaide Works
(Kawasaki Shipbuilding Corporation)

Major products: marine vessels, marine equipment (LNG/LPG carriers, container ships, oil drilling rigs, etc.)
Address: 1 Kawasaki-cho, Sakaide, Kagawa 762-8507 Japan



LNG carrier



Amount released into the atmosphere (ton)

SOx	0.03
NOx	0.2
Dust	0.03

Amount released into public water (ton)

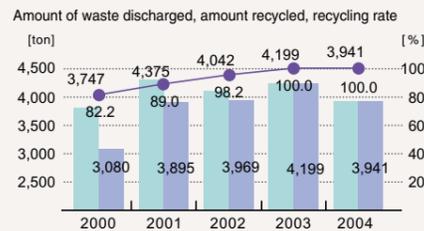
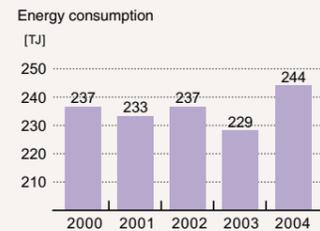
COD	1.3
Nitrogen	1.0
Phosphorus	0.32

Hyogo Works

Major products: rolling stock, automated guideway transport, platform doors
Address: 2-1-18 Wadayamadori, Hyogo-ku, Kobe, Hyogo 652-0884 Japan



Magnetically levitated linear motor-driven high-speed train (for JR)



Amount released into the atmosphere (ton)

SOx	0.004
NOx	0.8
Dust	0.02

Amount released into public water (ton)

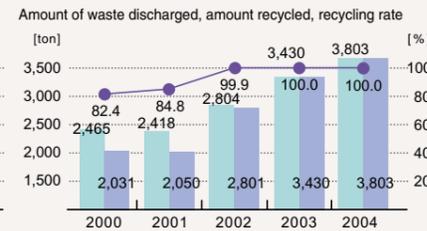
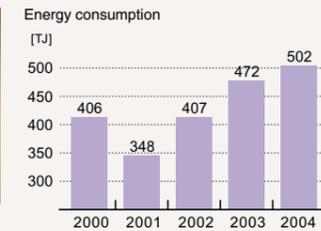
COD	0.07
Nitrogen	0.03
Phosphorus	0.004

Nishi-Kobe Works
(Kawasaki Precision Machinery Ltd.)

Major products: industrial hydraulic devices, marine machinery, precision equipment/devices
Address: 234 Matsumoto, Hasetani-cho, Nishi-ku, Kobe, Hyogo 651-2239 Japan



Hydraulic equipment



Amount released into the atmosphere (ton)

SOx	0.02
NOx	10.5
Dust	0.09

Amount released into public water (ton)

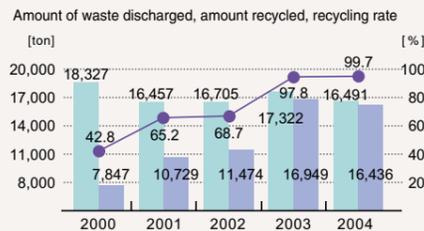
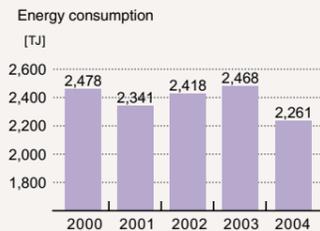
COD	0.5
Nitrogen	0.8
Phosphorus	0.11

Akashi Works
(including Seishin Works)

Major products: motorcycles, robots, jet engines, general-purpose gas turbines
Address: 1-1 Kawasaki-cho, Akashi, Hyogo 673-8666 Japan



Ninja ZX-10R



Amount released into the atmosphere (ton)

SOx	0.1
NOx	10.2
Dust	0.5

Amount released into public water (ton)

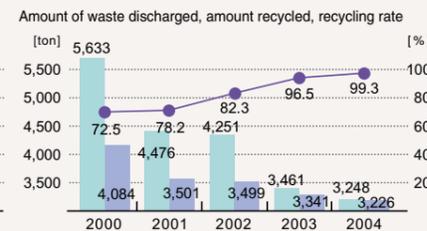
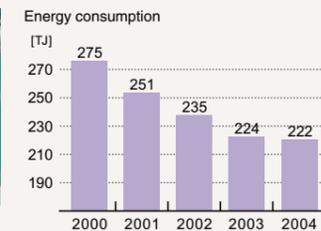
COD	5.3
Nitrogen	10.7
Phosphorus	0.34

Yachiyo Works
(became Earth Technica Co., Ltd., an independent company, in April 2005.)

Major products: RPF production facilities, crushers, pulverizers, cast steel products, cast iron products
Address: 1780 Kamikoya, Yachiyo, Chiba 276-0022 Japan



RPF (fuel derived from solidified waste paper and plastic) production facilities



Amount released into the atmosphere (ton)

SOx	5.1
NOx	4.3
Dust	0.9

Amount released into public water (ton)

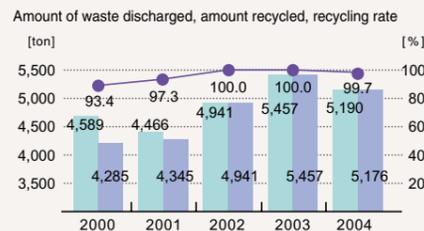
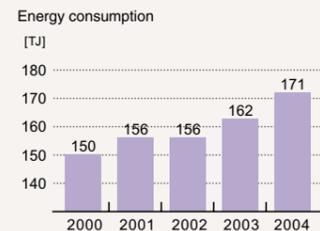
COD	0.07
Nitrogen	0.3
Phosphorus	0.04

Banshu Works

Major products: construction machinery, cargo handling machinery
Address: 2680 Oka, Inami-cho, Kako, Hyogo 675-1113 Japan



Wheel loader



Amount released into the atmosphere (ton)

SOx	0
NOx	0
Dust	0

Amount released into public water (ton)

COD	0.4
Nitrogen	0.5
Phosphorus	0.005

Editor's Note: Kawasaki joined Team Minus 6%, an environmental movement supported by the Japanese government, in June 2005.

Stop global warming together
Team Minus 6%

HOME > About Team Minus 6% > I am Team Minus 6% > List > Details

I am Team Minus 6%.

Team member No. [213]
Kawasaki Heavy Industries, Ltd. Chairman **Masamoto Tazaki**

Through developing technologies to protect the global environment and supply environmentally conscious products, Kawasaki will contribute to the sustainable development of society. At the same time, with the "think globally, act locally" spirit, we will continue to maintain environmentally conscious business activities and routine activities with a global viewpoint.

http://www.team-6.jp/about/people_detail_09.html#213
This is an abridged translation. The original is in Japanese only.