

# Environmental Data by Overseas Manufacturing Facility

## The Americas

Overview	Manufacturing facilities	KAC				KMX	KDB	Hensley
		Komatsu America Corp.				Komatsu Mexicana S.A. de C.V.	Komatsu do Brasil Ltda.	Hensley Industries, Inc.
		Chattanooga Manufacturing Operation	Candiac Manufacturing Operation	Peoria Manufacturing Operation	Newberry Manufacturing Operation			
Location		Tennessee, U.S.A.	Quebec, Canada	Illinois, U.S.A.	South Carolina, U.S.A.	Sahagún, Mexico	São Paulo, Brazil CEP	Texas, U.S.A.
Main products		Hydraulic excavators, motor graders	Wheel loaders	Large wheel loaders, large dump trucks	Utility equipment (small construction equipment)	Attachments for construction and mining equipment	Hydraulic excavators, bulldozers	Buckets, teeth, edges and adapters
Number of employees		283	259	502	136	173	582	493
Date of ISO14001 certification acquisition		April 1998	October 1999	March 2002	March 2004	September 2001	January 2002	—
Energy consumption	Electricity MWh	10,715	6,391	18,330	3,232	4,047	30,885	36,466
	Heavy oil, light oil, et al. kℓ	321	—	103	—	12	396	117
	Natural gas thousand m <sup>3</sup>	1,238	553	3,206	31	—	—	3
	LPG, et al. t	LPG 31	—	LPG 32	LPG 18	LPG 36	LPG 521.64	—
	Total energy consumption GJ	167,391	43,783	289,768	34,012	40,829	188,906	363,683
Environmental impact	CO <sub>2</sub> t-CO <sub>2</sub>	9,112	1,133	23,317	1,876	2,194	3,957	20,137
	Water consumption t	12,485	6,233	56,884	504	32,717	16,246	132,248
	Total emissions of waste t	1,817	1,351	2,596	105	11	9,274	37,995

## Europe

Overview	Manufacturing facilities	KUK	KOHAG	KMG	KUE	KFAB
		Komatsu UK Ltd.	Komatsu Hanomag GmbH	Komatsu Mining Germany GmbH	Komatsu Utility Europe S.p.A.	Komatsu Forest AB
		Birtley, United Kingdom	Hannover, Germany	Düsseldorf, Germany	Este (PD), Italy	Umeå, Sweden
Location						
Main products		Hydraulic excavators	Wheel loaders, compactors	Ultra-large hydraulic excavators	Utility equipment (small construction equipment)	Forestry equipment
Number of employees		459	481	401	631	345
Date of ISO14001 certification acquisition		December 1998	September 2000	July 2002	November 2001	October 2003
Energy consumption	Electricity MWh	10,082	7,363	7,033	4,858	2,930
	Heavy oil, light oil, et al. kℓ	793	—	8	—	—
	Natural gas thousand m <sup>3</sup>	1,700	828	1,385	994	—
	LPG, et al. t	—	—	—	—	—
	Total energy consumption GJ	177,647	101,700	117,297	67,998	10,548
Environmental impact	CO <sub>2</sub> t-CO <sub>2</sub>	8,875	5,835	6,664	4,604	134
	Water consumption t	15,546	5,286	12,309	12,412	4,960
	Total emissions of waste t	2,268	502	5,345	1,987	317

## Asia

Overview	Manufacturing facilities	KI	BKC	LTK	KSC	KCCM	KCF	FKS
		PT Komatsu Indonesia	Bangkok Komatsu Co., Ltd.	L&T-Komatsu Limited	Komatsu Shantui Construction Machinery Co., Ltd.	Komatsu (Changzhou) Construction Machinery Corp.	Komatsu (Changzhou) Foundry Corporation	Formosa Komatsu Silicon Corporation Mailiao Plant
		Jakarta, Indonesia	Chonburi, Thailand	Bangalore, India	Shandong, China	Jiangsu, China	Jiangsu, China	Yunlin, Taiwan R.O.C.
Location								
Main products		Hydraulic excavators, bulldozers, wheel loaders	Hydraulic excavators	Hydraulic excavators	Hydraulic excavators	Wheel loaders, hydraulic excavators, dump trucks	Iron castings and foundry molds for construction and mining equipment	Silicon wafers
Number of employees		724	238	685	402	220	269	468
Date of ISO14001 certification acquisition		June 2000	September 2001	June 1999	December 2000	September 2000	December 1999	March 2001
Energy consumption	Electricity MWh	31,792	4,635	9,828	3,665	1,905	21,421	87,827
	Heavy oil, light oil, et al. kℓ	2,651	342	236	826	498	693	1,362
	Natural gas thousand m <sup>3</sup>	—	—	—	13.72	—	—	—
	LPG, et al. t	LPG 737	LPG 58	LPG 77	Coal 2	LPG 65	Coal, LPG 8,053	—
	Total energy consumption GJ	444,512	65,818	119,389	46,820	38,384	508,853	875,974
Environmental impact	CO <sub>2</sub> t-CO <sub>2</sub>	26,604	4,509	7,444	3,581	2,802	41,976	50,779
	Water consumption t	108,172	17,454	70,182	111,094	36,684	142,990	1,227,012
	Total emissions of waste t	810	498	1,534	1,511	403	16,313	4,314

- Notes 1. All data, except the number of employees, were derived from performances of all manufacturing facilities during FY2005. The number of employees was based on the companies' data as of March 31, 2006.
2. Conversion to CO<sub>2</sub> and total energy consumption were based on statistical data of each region, country, and that of IEA for 2000.
3. Total emissions of waste are expressed as a composite of the amount recycled and the amount disposed.