Environmental Data of Business Establishments

Super eco-factories & offices

	Name of business establishment			Hitachi Construction Machinery Co., Ltd. Tsuchiura Works			Hitachi Construction Machinery Co., Ltd. Kasumigaura Works			Hitachi Construction Machinery Tierra Co., Ltd. Shiga Plant		
	Location			650 Kandatsu-cho, Tsuchiura, Ibaragi Prefecture			2200 Fukaya, Kasumigaura, Ibaragi Prefecture			1-2 Sasagaoka, Mizuguchi-cho, Koga, Shiga Prefecture		
	Business			Development and production of construction machinery			Development and manufacture of hydraulic equipment			Development and manufacture of construction machinery and agricultural machinery		
Input	Energy	Electricity	MWh	47,620			28,984			9,428		
Input	Energy	Fuel (as crude oil)	kℓ	3,091			2,182			953		
Input	Water		t	280,721			81,395			44,540		
Output	Emission into the air	CO_2	t	25,140			16,085			5,637		
Output	Emission into the air	SO_x	t	0.16			0.08			0.00		
Output	Emission into the air	NO_x	t	0.99			0.65			1.84		
Output	Discharge into water	Wastewater	t	260,360			63,333			44,540		
Output	Waste	Waste generated	t	7,240			6,414			2,001		
Output	Waste	Waste recycled	t	6,327			5,863			1,346		
Output	Waste	Final disposal waste	t	15			2			4		
Input/Output	Chemical			Quantity handled	Release into the air	Transfer (waste)	Quantity handled	Release into the air	Transfer (waste)	Quantity handled	Release into the air	Transfer (waste)
Input/Output	Bisphenol A epoxy resin (liquid)		t	11.4	0.0	0.0	1.2	0.0	0.0	5.9	0.0	0.0
Input/Output	Ethylbenzene		t	66.7	60.9	5.8	15.2	15.2	0.0	29.7	29.7	0.0
Input/Output	Ethylene glycol		t	220.2	0.0	5.1	0.0	0.0	0.0	33.5	0.0	0.0
Input/Output	Xylene		t	291.8	286.0	5.8	24.4	24.4	0.0	27.1	27.1	0.0
Input/Output	1, 3, 5-trimethylbenzene		t	4.7	4.7	0.0	0.3	0.3	0.0	1.9	1.9	0.0
Input/Output	Toluene		t	80.5	74.7	5.8	12.9	12.9	0.0	42.1	42.1	0.0
Input/Output	Manganese and its compounds		t	21.4	0.2	0.9	0.0	0.0	0.0	2.9	0.0	0.0

	Name of business establishment			Hitachi Construction Machinery Camino Co., Ltd.			Niigata Material Co., Ltd. Niigata Plant			TCM CORPORATION Mibu Plant		
	Location			5600-1 Nanakubo, Wakagi, Higashine, Yamagata Prefecture			1510 Takemori, Teradomari, Nagaoka, Niigata Prefecture			3451 Mibuotsu, Mibu-machi, Shimotsuga-gun, Tochigi Prefecture		
	Business			Development and manufacture of road machinery			Manufacture of die forged parts			Manufacture of wheel loaders and wheel excavators		
Input	Energy	Electricity	MWh	5,495			1,303			2,859		
Input	Energy	Fuel (as crude oil)	kℓ	290			1,643			348		
Input	Water		t	12,000			6,459			62,772		
Output	Emission into the air	CO_2	t	3,539			4,943			1,912		
Output	Emission into the air	SO_x	t	0.00			1.26			0.00		
Output	Emission into the air	NO_x	t	0.06			9.38			0.00		
Output	Discharge into water	Wastewater	t	11,040			6,459			62,772		
Output	Waste	Waste generated	t	851			1,412			431		
Output	Waste	Waste recycled	t	817			1,226			419		
Output	Waste	Final disposal waste	t	19			112			11		
Input/Output	Chemical			Quantity handled	Release into the air	Transfer (waste)	Quantity handled	Release into the air	Transfer (waste)	Quantity handled	Release into the air	Transfer (waste)
Input/Output	Bisphenol A epoxy resin (liquid)		t	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Input/Output	Ethylbenzene		t	2.5	2.5	0.0	0.0	0.0	0.0	13.3	11.5	1.8
Input/Output	Ethylene glycol		t	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Input/Output	Xylene		t	32.9	30.6	2.3	0.0	0.0	0.0	30.1	25.2	4.9
Input/Output	1, 3, 5-trimethylbenzene		t	0.5	0.4	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Input/Output	Toluene		t	20.7	18.1	2.7	0.0	0.0	0.0	5.2	3.2	2.0
Input/Output	Manganese and its compounds		t	12.1	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0

	Name of business establishment			TCM CORPORATION Ryugasaki Plant			TCM CORPORATION Shiga Plant			Hitachi Sumitomo Heavy Industries Construction Crane Co., Ltd. Nagoya Plant		
	Location			3 Ryugasaki, Ibaraki Prefecture			578 Chokoji-cho, Omi-Hachiman, Shiga Prefecture			6-1 Asahi-cho, Obu, Aichi Prefecture		
	Business			Manufacture of wheel loaders			Manufacture of forklifts			Manufacture of crawler cranes		
Input	Energy	Electricity	MWh	12,077			9,704			6,020		
Input	Energy	Fuel (as crude oil)	kℓ	874			778			674		
Input	Water		t	143,735			75,117			12,231		
Output	Emission into the air	CO_2	t	6,551			5,350			4,196		
Output	Emission into the air	SO_x	t	0.00			0.09			0.00		
Output	Emission into the air	NO_x	t	0.00			0.36			0.25		
Output	Discharge into water	Wastewater	t	137,606			75,117			12,231		
Output	Waste	Waste generated	t	2,074			2,503			788		
Output	Waste	Waste recycled	t	1,410			2,102			773		
Output	Waste	Final disposal waste	t	44			60			15		
Input/Output	Chemical			Quantity handled	Release into the air	Transfer (waste)	Quantity handled	Release into the air	Transfer (waste)	Quantity handled	Release into the air	Transfer (waste)
Input/Output	Bisphenol A epoxy resin (liquid)		t	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Input/Output	Ethylbenzene		t	12.8	12.8	0.0	25.9	25.9	0.0	0.9	0.9	0.0
Input/Output	Ethylene glycol		t	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0
Input/Output	Xylene		t	46.3	46.3	0.0	82.1	82.1	0.0	54.6	54.6	0.0
Input/Output	1, 3, 5-trimethylbenzene		t	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Input/Output	Toluene		t	20.2	20.2	0.0	32.6	32.6	0.0	19.6	19.6	0.0
Input/Output	Manganese and its compounds		t	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	Name of business establishment			Tadakiko Co., Ltd.			PT. Hitachi Construction Machinery Indonesia			Hitachi Construction Machinery (China) Co., Ltd.		
	Location			8-58-1 Narashinodai, Funabashi, Chiba Prefecture			Indonesia			China		
	Business			Manufacture of construction machinery parts			Manufacture of construction machinery			Manufacture of construction machinery		
Input	Energy	Electricity	MWh	5,387			6,939			15,408		
Input	Energy	Fuel (as crude oil)	kℓ	184			354			1,979		
Input	Water		t	19,488			14,972			133,960		
Output	Emission into the air	CO_2	t	2,456			6,396			20,257		
Output	Emission into the air	SO_x	t	0.00			0.00			0.00		
Output	Emission into the air	NO_x	t	0.00			0.00			0.00		
Output	Discharge into water	Wastewater	t	19,488			14,972			133,960		
Output	Waste	Waste generated	t	2,430			601			20,471		
Output	Waste	Waste recycled	t	2,198			19			20,331		
Output	Waste	Final disposal waste	t	2			582			141		
Input/Output	Chemical			Quantity handled	Release into the air	Transfer (waste)	Quantity handled	Release into the air	Transfer (waste)	Quantity handled	Release into the air	Transfer (waste)
Input/Output	Bisphenol A epoxy resin (liquid)		t	0.0	0.0	0.0	–	–	–	–	–	–
Input/Output	Ethylbenzene		t	4.6	4.6	0.0	–	–	–	–	–	–
Input/Output	Ethylene glycol		t	0.0	0.0	0.0	–	–	–	–	–	–
Input/Output	Xylene		t	11.5	11.5	0.0	–	–	–	–	–	–
Input/Output	1, 3, 5-trimethylbenzene		t	0.0	0.0	0.0	–	–	–	–	–	–
Input/Output	Toluene		t	0.0	0.0	0.0	–	–	–	–	–	–
Input/Output	Manganese and its compounds		t	0.0	0.0	0.0	–	–	–	–	–	–