

Site (Resource Conservation and Recycling) (See pages 57 and 58.)						
Ricoh's Business Sites	Waste recovery rate (%)	Total waste amount produced (t) ¹	Total waste discharge amount (t) ²	Final waste disposal amount (t)	Water consumption (1,000 tons)	
Atsugi Plant —Office equipment and other products 1005 Shimo-Ogino, Atsugi, Kanagawa 243-0298, Japan	100	835	814	0.0	112	
Hatano Plant —Printed circuit boards and electronic components 423 Hirasawa, Hadano, Kanagawa 257-8586, Japan	100	177	177	0.0	15	
Numazu Plant —Supplies 16-1 Honda-machi, Numazu, Shizuoka 410-8505, Japan	100	8,418	3,831	0.0	2,062	
Gotemba Plant —Copiers, fax machines, and data processing systems 1-10 Komakado, Gotemba, Shizuoka 412-0038, Japan	100	1,534	1,526	0.0	57	
Fukui Plant —Supplies 64-1 Ohmi, Sakai-cho, Sakai-gun, Fukui 919-0547, Japan	100	8,410	2,103	0.0	179	
Ikeda Plant —Electronic devices 13-1 Himemuro-cho, Ikeda, Osaka 563-8501, Japan	100	161	154	0.0	166	
Yashiro Plant —Electronic devices 30-1 Saho, Yashiro-cho, Kato-gun, Hyogo 673-1447, Japan	100	467	467	0.0	148	
Non-production sites	99.2	1,991	1,975	15.1	194	
Total	99.9	21,993	11,048	15.1	2,932	

The Ricoh Group's Manufacturing Subsidiaries in Japan

Tohoku Ricoh Co., Ltd. —Office equipment and parts for copiers 3-1 Shinmeido, Nakanomyo, Shibata-machi, Shibata-gun, Miyagi 989-1695, Japan	100	1,766	1,766	0.0	146	
Hasama Ricoh, Inc. —Parts for copiers and data processing equipment 86 Aza-Kitasanden, Sanuma, Hasama-cho, Torne-gun, Miyagi 987-0511, Japan	100	2,042	2,042	0.0	8	
Ricoh Unitech Co., Ltd. —Fax machines, copiers, and microfilm equipment 713 Tsurugasone, Yashio, Saitama 340-0802, Japan	100	375	375	0.0	12	
Ricoh Optical Industries Co., Ltd. —Photographic equipment 10-109 Ohata, Hanamaki, Iwate 025-0303, Japan	100	766	766	0.0	55	
Ricoh Keiki Co., Ltd. —Parts for copiers and data processing equipment 3144-1 Aza-Ipponguri, Shimoizumi, Kubozumi-machi, Saga 849-0903, Japan	100	150	150	0.0	4	
Ricoh Microelectronics Co., Ltd. —Printed circuit boards 10-3 Kitamura, Tottori, Tottori 680-0911, Japan	100	520	520	0.0	17	
Ricoh Elemex Corporation —Office equipment, clocks, watches, and educational equipment 2-14-29 Uchiyama, Chikusa-ku, Nagoya, Aichi 464-0075, Japan	100	777	777	0.0	108	
Ena Plant 1218-2 Nakano, Nagashima-cho, Ena, Gifu 509-7205, Japan						
Okazaki Plant 3-69 Ida-cho, Okazaki, Aichi 444-8586, Japan						
Total	100	6,396	6,396	0.0	349	

The Ricoh Group's Manufacturing Subsidiaries outside Japan

Ricoh Electronics, Inc. (REI) —Office equipment and supplies One Ricoh Square, 1100 Valencia Avenue, Tustin, CA 92780, U.S.A.	99.8	7,910	7,910	17.3 ⁴	160	
Ricoh UK Products Ltd. (RPL) —Office equipment and supplies Priorslee, Telford, Shropshire TF2 9NS, U.K.	100	1,247	1,247	0.0	28	
Ricoh Industrie France S.A.S. (RIF) —Office equipment and supplies 144, Route de Rouffach 68920, Wettolsheim, France	100	6,952	6,952	0.0	73	
Ricoh Asia Industry S.Z. Ltd. (RAI) —Copiers Color TV Industrial Zone, Futian District, Shenzhen, P.R. China	100	1,441	1,441	0.0	162	
Taiwan Ricoh Co., Ltd. —Photographic equipment 34 Lane 200, Jwu Her Road, Fuh Shing Li, Chang Hwa, Taiwan	100	78	78	0.0	22	
Total	99.9	17,628	17,628	17.3	445	

1. **Total waste generation:** the amount of waste generated.
When waste is generated after waste reduction processing during manufacturing, the total waste generation amount means the amount of waste at the point of generation. When waste is processed after manufacturing at a facility in a business site, the total waste generation amount means the amount of waste prior to waste processing.

2. **Total waste discharge:** the amount of waste discharged outside business sites. This includes residual waste after the intermediate processing of waste at business sites.

3. **The Ricoh Group's target substances for reduction:** PRTR substances designated by four Electric & Electronic Industries Associations in Japan between fiscal 1998 and 2000. The figures are indicators multiplied by the environmental impact potential. (See page 61.)

	Sites (Preventing Global Warming) (See pages 53 and 54)		Sites (Pollution Prevention) (See pages 61 and 62)				
	Energy consumption		Emissions into air (NOx) (t)	Emissions into air (SOx) (t)	Water discharge (BOD) (t)	'Ricoh target substances for reduction' used³ (t)	'Ricoh target substances for reduction' discharged³ (t)
	(t-CO₂)	(TJ)					
	13,366	330.1	1.765	0.031	1.471	100.0	9.3
	1,388	37.0	0.032	0.000	0.468	203.9	3.6
	34,115	754.5	17.614	0.000	3.264	12,885.6	3,889.7
	2,975	68.3	0.719	0.020	0.037	0.0	0.0
	21,520	455.1	6.879	0.128	1.030	8,763.4	622.9
	9,925	257.1	1.583	0.000	0.531	152.5	96.7
	27,105	704.5	3.177	0.021	0.512	449.8	270.9
	20,215	504.8	3.353	0.173	0.109	9.6	0.0
	130,609	3,111.5	35.122	0.373	7.422	22,564.8	4,893.1
	10,412	229.8	3.173	2.112	6.562	1,661.3	376.0
	1,737	41.3	0.262	0.171	0.083	37.9	32.2
	1,165	30.3	0.121	0.000	0.030	21.5	21.5
	7,258	169.7	1.482	0.967	0.284	87.1	9.8
	795	21.7	0.000	0.000	0.000	169.7	0.3
	2,921	73.9	0.338	2.318	0.164	154.0	0.9
	6,353	148.0	0.595	0.005	0.168	284.2	75.7
	30,642	714.9	5.971	5.573	7.291	2,415.7	516.4
	41,794	377.0	9.969	0.000	2.362	714.0	11.5
	10,130	108.3	1.519	0.000	0.000	646.3	517.0
	8,800	268.1	6.298	0.000	4.020	9.8	0.5
	13,195	72.6	0.377	0.272	10.874	0.0	0.0
	1,271	9.0	0.018	0.005	0.040	18.1	0.0
	75,190	835.0	18.181	0.277	17.296	1,388.2	529.1

4. REI couldn't maintain Zero-Waste-to-Landfill because 17.3 tons of waste was landfilled due to inadequate control by a recycling company. The recycling company then implemented preventive measures such as clarification of the workflow and education for workers.

* Data for Taiwan Ricoh is only for the first half of fiscal 2003.
(Shares in this company held by the Ricoh Group were transferred to third parties in December 2003.)