Environmental Action Plan up to Fiscal 2007 and Fiscal 2005 Results

The Ricoh Group's Environmental Action Plan (FY 2005–2007) *For items that do not specify a target fiscal year, the target year is fiscal 2007.

1) Develop new environmental technologies. (*Details of the progress of new technologies) ① Develop new environmental technologies to reduce resource use. • • 2) Improve environmentally-friendly functions. Improving environmentally-① Promote the use of energy-saving technologies in products. friendly functions and Achieve Ricoh's energy-saving goals. promoting environmental 2 Promote the use of resource-saving technologies in products. technological development • Improve the quantity of reusable parts used by a factor of at least five (compared to fiscal 2003 figures in Japan). • Increase the quantity of recycled plastics used to 1,000 tons or more. ③ Observe Ricoh standards that cover environmentally-sensitive substances emitted by products. Observe Ricoh standards that cover such substances as ozone, dust, and VOC. 1 Increase the number of recycled copiers marketed. • Increase the number of recycled copiers marketed by a factor of at least 10 (compared to fiscal 2003 figures in Japan). Promoting green marketing 2 Promote the green marketing of paper. • Improve the recycled pulp use rate for paper products to 60% or more (in Japan). 1) Promote energy conservation at business sites. 3 ① Reduce total amount of CO₂ emitted as a result of business activities. • Reduce CO2 emissions by 12% by fiscal 2010 (Ricoh and manufacturing subsidiaries in Japan, compared to fiscal 1990 figures). • Reduce CO₂ emissions by 10% by fiscal 2010 (manufacturing subsidiaries outside of Japan, compared to fiscal 1998 figures). • Reduce CO₂ emissions by 4% (Ricoh and manufacturing subsidiaries in and outside of Japan, compared to fiscal 2000 figures). • Reduce CO2 emissions by 4% (non-manufacturing subsidiaries in Japan, compared to figures in the base fiscal year set at each company). 2) Promote resource conservation at business sites. Reduce generated waste • Reduce generated waste by at least 3% (Ricoh and manufacturing subsidiaries in and outside of Japan, compared to fiscal 2000 figures). Reduce generated waste by the ratio calculated by multiplying the number of years from the base fiscal year to fiscal 2007 by the yearly **Environmental conservation** rate (2%) (non-manufacturing subsidiaries in Japan: the base fiscal year is set at each company). activities that improve the 2 Improve the waste recycling rate. effect on cost at plants and • Improve the waste recycling rate to at least 95% (non-manufacturing subsidiaries in Japan). offices • Reduce water consumption to a level that is below the results of fiscal 2000 (Ricoh production sites and manufacturing subsidiaries in and outside of Japan). • Reduce paper consumption by at least 10% (Ricoh, manufacturing and non-manufacturing subsidiaries in Japan, and manufacturing subsidiaries outside of Japan, compared to fiscal 2002 figures). 3) Promote pollution prevention at business sites. ① Completely eliminate the use of chlorine organic solvents. • Completely eliminate chlorine organic solvents used in manufacturing Organic Photo Conductors at manufacturing contractors as well as at Ricoh manufacturing divisions ② Reduce greenhouse gas emissions (except CO₂). • Reduce greenhouse gas emissions (except CO2) in the semiconductor business division by 15% (compared to fiscal 2000 figures). 3 Examine and improve soil and underground water at Ricoh's non-production sites and leased land. Complete the examination of soil and underground water at Ricoh's non-production sites and leased land (Ricoh and affiliates in and outside of Japan). Make and implement plans to improve sites where pollution is detected. 1) Improve the sustainable environmental management system. 1 Improve the ISO 14001 system. Improving the sustainable • Integrate the sustainable environmental management system with that of Ricoh (in fiscal 2005) and the Ricoh Group (in fiscal 2007). environmental management ② Create a system of managing chemical substances contained in products. system and making it more • Create and enforce a system of managing chemical substances contained in Ricoh Group products (in fiscal 2005). consistent through systems 3 Improve the sustainable environmental management information system. integration • Introduce the information system, which manages real-time information on the environmental impact caused at resource processing sites, to various business divisions other than the imaging equipment division. • Introduce the information system, which manages real-time information on the environmental impact caused by transportation processes, to overseas transportation processes.

1 Promote forest conservation activities and environmentally-friendly social contribution activities to preserve the ecosystem.

Leasing Company, Ltd.; and Ricoh San-ai Service Co., Ltd.).

Promote environmentally-friendly social contribution activities to preserve the ecosystem (overseas regional sales headquarters:

Ricoh production sites, manufacturing subsidiaries, and marketing subsidiaries in Japan; Ricoh Logistics Systems Co., Ltd.; Ricoh

Promoting environmentally-

friendly social contribution

activities to preserve the

ecosystem

* Results for items 1 through 4 were reviewed by a third party.

Progress (fiscal 2005 performance)

For imaging equipment, a range of elemental technologies is being developed to reduce size and weight.
Efforts are being made to adopt new materials to replace oil. In fiscal 2005, plant-based plastic parts were used in multifunctional copiers for the first time in the industry.
Monochrome and color multifunctional copiers that achieved energy-saving targets were put on the market.
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Quantity of reusable parts used increased 2.3 times.
Quantity of recycled plastic used amounted to 578 tons.
duality of footblood plastic used uniformed to 570 tons.
Disable standards for some dust and 1/00 was achieved in 40 models of actions and distributions are designed as the smallest final 1000F.
Ricoh's standards for ozone, dust, and VOC were achieved in 10 models of copiers, multifunctional copiers, and printers launched on the market in fiscal 2005.
Sales of recycled copiers increased 3.1 times.
Composition ratio of recycled pulp in paper was increased to 56% (51% in fiscal 2004).
➤ Total CO₂ emissions decreased 3.7%.
➤ Total CO₂ emissions increased 2.8%.
 Ricoh and manufacturing subsidiaries in Japan: Total CO₂ emissions increased 2.0%. Manufacturing subsidiaries outside of Japan: Total CO₂ emissions increased 9.0%.
 Changes in total CO2 emissions: 18.1% reduction at sales subsidiaries; 3.1% increase at Ricoh Technosystems; 0.3% reduction at Ricoh Leasing; 8.6% reduction at Ricoh San-ai Service; 7.6% reduction at Ricoh Logistics System *Each company's base year for comparison: 2002 for sales subsidiaries, Ricoh Leasing, and Ricoh San-ai Service; 2000 for Ricoh Technosystems and Ricoh Logistics Systems
Generated waste decreased 0.5%.
Changes in generated waste: 9.8% reduction at sales subsidiaries; 21.9% reduction at Ricoh Technosystems; 23.3% increase at Ricoh Leasing; 1.5% reduction at San-ai Service; 26.3% reduction at Ricoh Logistics System
*Each company's base year for comparison: 2002 for Ricoh Logistics Systems and 2004 for other companies
Waste recycling rate improved from 84.6% to 98.4%.
▶ Water consumption decreased 9.1%.
▶ Paper consumption decreased 1.2%.
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Use of chlorine organic solvents was completely discontinued in the consignment production of photoconductors at plants other than Ricoh's in March 2006. Greenhouse gases other than CO₂ were reduced by 30%. Examination of all nonproduction sites of the Ricoh Group, approximately 1,000 sites, was completed. No contamination was found at nonproduction sites where the examination of surface soil was conducted in fiscal 2005.

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 Detailed information items to be identified are being examined, and issues to be solved at the introduction of the system are being discussed.
- Environmentally-friendly social contribution activities to preserve the ecosystem were expanded at home and abroad in fiscal 2005, and sales subsidiaries and plants in various places actively participated in the projects.
 Regional headquarters and sales subsidiaries outside of Japan: 62 projects
 Ricoh manufacturing subsidiaries and production sites in Japan: 72 projects
 Non-manufacturing companies in Japan (Ricoh Logistics Systems, Ricoh Leasing, and Ricoh San-ai Service): 9 projects