

Consideration for the Environment

In order to realize and pass on a better environment, the OKI Group promotes environmental management and makes efforts to conserve the environment through its products and business activities.

Focal Points for Fiscal 2009	Achievements in Fiscal 2009	Focal Points for Fiscal 2010
<ul style="list-style-type: none"> ● Enhancement of measures for preventing global warming ● Creation of energy-saving products ● Promotion and improvement of the system to control chemical substances in products ● Improvement of environmental management ● Enhancement of environmental compliance 	<ul style="list-style-type: none"> ● Achievement of the energy saving target of the OKI Group ● Establishment of new registration criteria for low power consumption products ● Improvement of the Internal IT system in conformity with REACH regulation and the implementation of education by hierarchical level ● Establishment of a new qualification criterion for internal environment auditors and the enhancement of environmental education at each site ● Implementation of education on the disposal of used products and on-site inspections of commissioned waste disposers 	<ul style="list-style-type: none"> ● Response to the OKI Group's energy saving target and the Revised Energy Conservation Law ● Expansion of the registration of OKI Eco Products ● Enhancement of conformity with regulations to control chemical substances in products in Europe, China and other countries ● Integration of new production sites into the group's environmental management ● Strengthening oversight of compliance within and of the OKI Group and its partners

OKI Group Environmental Policy

The OKI Group achieves a better global environment by providing products and services that contribute to the development of the information society for the next generation, and inherits this within the group.

- 1 Aim to maximize measures' effects by implementing the OKI Group environmental management.
 - Take actions to provide environment-friendly products and services in all business processes through product planning, manufacturing and maintenance operation.
 - In the business activities, strive to save energy/ resources and take actions to reduce and recycle wastes.
- 2 Comply with applicable environmental legal requirements and regulations, and with customer requirements and other requirements to which the OKI Group subscribes, and prevent pollution.
- 3 Adequately implement PDmCA (Plan-Do-multiple Check-Act) in the environmental management system, and take actions to progress environmental performances and to continue improvements of its operation system.
- 4 Disclose environmental information, and make wide contribution to the society by supporting environmental activities.

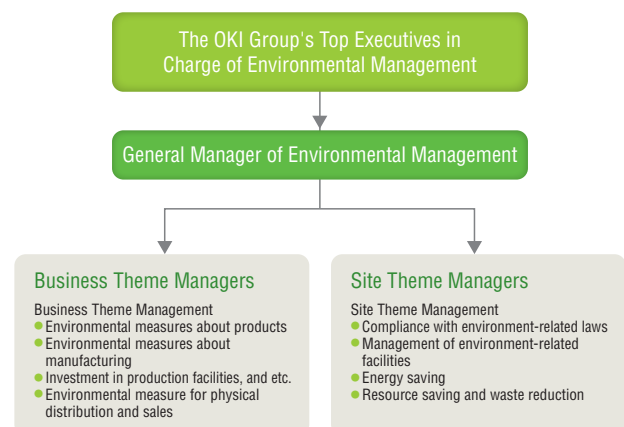
The OKI Group Environmental Management

The OKI Group has established and implemented an environmental management system, as the basis for its environmental management, across the group. Under the OKI Group Environmental Policy, we have formulated the OKI Group Environmental Activity Plan (see Page 35), and set mid-term targets and yearly targets in order to continuously reduce environmental burdens through our products and business activities.

The OKI Group Environmental Management

The OKI Group, under the business theme (focuses on reducing environmental burdens through products and services) and the site theme (focusing on reducing environmental burdens at each site), creates environmentally-friendly products and services, and addresses resource saving, energy saving and the reduction of wastes for environmental preservation.

- Environmental Management through Business Theme and Site Theme



Optimization of the OKI Group Environmental Management

In order to promote environmental management efficiently and effectively, we work on environmental activities from the following six aspects.



Improvement of Environmental Management

The OKI Group conducts an internal environmental audit for efficient and effective environmental management. In fiscal 2009, we established a new qualification criterion for internal environment auditors at each hierarchical level, and offer training programs for them.



An experience-based education program

The OKI Group also puts great importance on environmental education, and gives various general and specialized education programs in each site. OKI Data Manufacturing (Thailand), a site manufacturing printers in Thailand, offered experience-based education programs in which its employees were able to learn the importance of environmental protection and safety in order to raise environmental awareness among them.

Enhancement of Environmental Compliance

In fiscal 2009, OKI, as part of its efforts for enhancing environmental compliance, revised its educational program for further improving the compliance of its disposal of used products as well as the operational procedure for it. The company also facilitated the appropriate disposal of used products, conducted on-site inspections of the commissioned disposers across Japan, and confirmed how used products had been stored or disposed of by actively utilizing the "Cross-jurisdictional Waste Treatment Manufacturer Scheme."*



An on-site inspection of a commissioned disposer

* Cross-jurisdictional Waste Treatment Manufacturer Scheme: An exemption scheme of the Waste Disposal and Public Cleaning Law that allows manufacturers to treat waste across different prefectures. The purpose of the scheme is to reduce waste, and promote the appropriate treatment and recycling thereof. OKI was approved as a "Cross-jurisdictional Waste Treatment Manufacturer" by the Ministry of Environment in June 2006.

Pollution of Underground Water and Soil

The OKI Group has specified a group of observation points at every production site and monitored the quality of underground water there on a regular basis. During such a regular examination at Honjo site, the groundwater sampled from some observation points was measured to be a bit above the normal level. In response to this, the OKI Group has implemented appropriate recovery measures under the guidance of the relevant local authorities. In fiscal 2009, no underground water or soil pollution was observed.

Penalties / Claims

There were no environment-related penalties imposed on or claims made against the OKI Group in fiscal 2009. Whenever such an event occurs, we locate the cause thereof, deal with the problem properly and take appropriate preventive steps.

● OKI Group Environmental Activity Plan (Fiscal 2009): Targets and Achievements

	Category	Activities	Targets for Fiscal 2012	Targets for Fiscal 2009	Achievements in Fiscal 2009			
					Results	Evaluation	See Page	
Products	Control of chemical substances contained in products	Enhancing chemical substance management •Response to REACH regulation •Response to similar regulations in China and other countries	Establish and practice a new CMS* in conformity with global regulations to control chemical substances Establish and operate an IT system in conformity with global regulations to control chemical substances	Establish and test-operate a new CMS in conformity with REACH and other regulations Begin operating a new information system in compliance with Reach regulation	Completed the documentation of the procedure to comply with REACH regulation / Implemented education by hierarchical level / Established the system at each major site	○	16	
					Started the full-scale operation of the system	○		
	Prevention of global warming	Manufacturing low power consumption products	Achieve a 50% or more increase in energy-saving effect for main products	Establish new registration criteria for low power consumption products	Established a registration criterion for each type of energy saving effect, and formulated an execution plan	○	36	
Business Activities	Prevention of global warming	Reducing CO ₂ emitted from business activities (introducing highly efficient equipment, and improving operational systems)	Basic unit to be reduced by 1% or more (compared to the average of the past five years)	Office	Total volume to be reduced by 1% or more (compared to the average of the past five years)	Achieved a 5.6% reduction of total volume	○	12 13
				Production site	Basic unit to be reduced by 2% or more (compared to the average of the past five years)	Achieved a 2.5% reduction of basic unit (a 8.6% reduction of absolute amount)	○	37 38 39
	Recycling of used resources	Reducing waste at production sites	Increase the number of sites subject to "zero-emission" (including overseas sites)	Maintain and continue zero-emission	Maintained and continued zero-emission	○	39	
Environmental Management	Enhancement of environmental management system	Practice of the OKI Group Environmental Management	Expand the scope of ISO14001 Consolidated Certification (inside and outside Japan)	Expand the scope of ISO14001 Consolidated Certification, and formulate and implement an ISO certification plan for the next fiscal year	Completed the consolidated certification of fiscal 2009 successfully as planned with no new sites included	△	34 35 38	
							Enhancement of environmental compliance	Winning further understanding of outsiders about OKI's environmental compliance

* CMS: Chemical Management System

Environmental Contribution through Products

The OKI Group has addressed three important environmental issues - "the reduction of power consumption," "conformity with regulations to control chemical substances" and "resource conservation (reduction in size and weight)" - through its environmental activities related products, and contributed to the reduction of environmental impact by offering environmentally conscious products.

OKI Eco Products

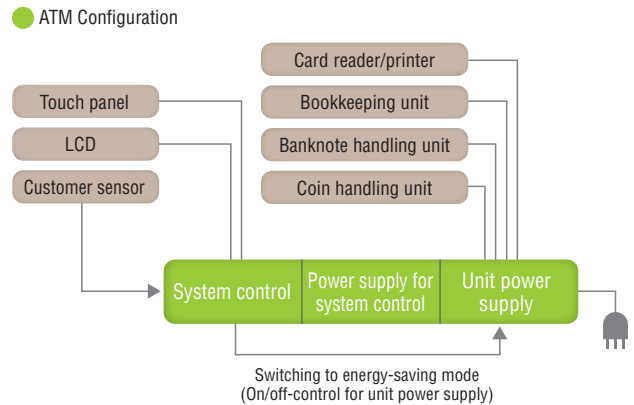
In order to provide customers with environmentally conscious products, the OKI Group has implemented the "OKI Eco Product Certification Program" since fiscal 2000. The program is intended to internally certify products that meet the OKI's original environmental standards and offer customers product information related to environmental conservation. Every product needs to meet two sets of standards, the standards common to all products and those set for each product family, to be certified as an OKI Eco Product. In fiscal 2009, we added a new three-level standard of energy-saving effect to the standards common to all products in order to pursue as much energy-saving effect as possible at the time of development.

The catalog and user's manual for an OKI Eco Product comes with the OKI Eco Product logo in accordance with the level of its energy-saving effect. Certified OKI Eco Products and their specifications in terms of environmental conservation are disclosed on the Internet. A total of 66 products - including telecommunications equipment, information processing equipment and printers - were certified as OKI Eco Products by the end of fiscal 2009.



Realization of Automated Teller Machine (ATM) with Low Power Consumption

As the enforcement of the Revised Energy Conservation Law requires the private sector to make visible efforts for saving energy, there has been an increasing need for ATMs with low power consumption. In order to cater to this need, OKI has addressed the reduction of power consumption in stand-by mode and the development of energy-efficient power-supply units.



OKI's ATM system has achieved a 50% reduction of power consumed in stand-by mode by cutting power supply to each unit whenever the sensor senses the absence of customers. The system has also shortened return time by carefully reducing the number of items to be checked at return from stand-by mode. Furthermore, OKI has decreased the number of components used for its ATM system by using microcomputer control, reduced power loss by adopting a synchronous rectification circuit, and thus improved the energy efficiency of the system's power supply unit by 78%.

The World's First 1.1 Inch QVGA (240x320 dots) High Brightness LED Display

In November 2009, OKI Digital Imaging announced that it had succeeded in developing a 1.1 inch QVGA LED display with high luminance efficiency and low power consumption (one-tenth that of conventional LCDs). This innovative display uses the company's proprietary Epi Film Bonding technology (see Page 13) to mount thin-film LEDs onto a metal board with high reflection and radiation. As a result, the display achieves high luminance efficiency and high brightness with low power consumption. It also features the world's first 65-micrometer pitch between LED chips that allows high-definition images despite its size.



1.1 inch QVGA high brightness LED display

● For information on other environmentally conscious products, please see Pages 40 and 41.

Environment Conservation Efforts in Business Activities

The OKI Group has addressed three important environmental issues - "the reduction of greenhouse gas emissions," "the saving and recycling of resources" and "the reduction of environmental risks" - through its environment conservation efforts in business activities. In fiscal 2009, we focused on reducing CO₂ emissions from offices since "the reduction of greenhouse gas emissions" is a global issue with increasing importance.

Energy-Saving at Offices through Green IT

OKI System Center (in Warabi, Saitama) has been active in saving energy by introducing CoolClover, an energy management system for IT devices.

One of the "Green by IT" (see Page 12) energy-saving solutions, CoolClover controls different power settings for different IT devices such as PCs in an integrated way via networks, allows the visualization of power consumed by each device, and thus promotes the energy saving of IT devices. The center has introduced this system to approximately 1,500 PCs, and encouraged its employees to save energy. As a result, it achieved an average of 10% reduction of power consumed per month during a five-month period beginning from October 2009.



"Visualization" of energy consumed (the clover icon grows larger according to energy saved)

Introduction of New Air Conditioning System at Shibaura Site

OKI's Shibaura site replaced its long-used turbo refrigerator and boiler (used as a central-controlled air conditioning system) with a new air conditioning system that allows different operational settings for different rooms. This shift enables the site to reduce 70 tons of CO₂ emission every year.



Packaged air conditioner installed at Shibaura site

"CarbonZero Manufacturing Facilities"

The three main manufacturing facilities of OKI Data (located in Fukushima, Thailand and China) has offset their CO₂ emissions by purchasing emission credits from the UN-certified CER*¹ scheme, and thus become "CarbonZero Manufacturing Facilities." The company will continue this effort of offsetting the total CO₂ emitted from these facilities during the previous fiscal year by way of purchasing emission credits from CER and VER*² schemes until the end of the phase phase of the Kyoto Protocol in 2012. OKI Data's "CarbonZero Manufacturing Facilities" initiative was selected as a Carbon Offsetting Model Project for fiscal 2009 by the Ministry of Environment because of



its relevance to the ministry's Guidelines for Carbon Offsetting in Japan and its effectiveness as business model.

*1 CER: Certified Emission Reduction
*2 VER: Verified Emission Reduction

Energy Saving Measures at Manufacturing Facility in Thailand

OKI Data Manufacturing (Thailand), the OKI Group's subsidiary manufacturing printers in Thailand, has made various energy saving



OKI Data Manufacturing (Thailand)

measures. Among them are the suppression of indoor temperature rise by applying a heat-insulating ceramic coating to the roof, the creation of additional spaces on the shop floor by shortening the production lines, and the reduction of energy used for lighting. In addition, the company installed additional temperature sensors that allow different temperature settings for different areas. As a result of these measures, the company reduced 371 tons of CO₂ emission in fiscal 2008 compared to fiscal 2007.

● For further information on environmental performance in association with business activities, please see Pages 38 and 39.

TOPICS

OKI Data Participates in China's Green Energy Project

In June 2009, OKI Data announced that it had participated in the Green Energy Project as a partner company. The project, launched jointly by the China Environmental Protection Foundation (CEPF) and the China General Chamber of Commerce, aims at realizing an environmentally-friendly, resource-recycling society. The partner companies of the project are asked to contribute unused office equipment and IT devices as well as part of their profit to the CEPF, and thus support the foundation's activities to protect the environment. OKI Data is the only print manufacturer among the project's partners since its environmentally friendly products based on its LED technology and its serious commitment to environmental protection have been highly regarded in China.



Ceremony celebrating partner certification for Green Energy Project