

Environmental Management System

For the constant implementation of our environmental conservation activities, we have set our Environmental Action Plan.

All the production sites have been ISO 14001 certified and are carrying out systematic management.

The Thinking behind Environmental Management

The Casio Group is conducting environmental conservation activities based on the Casio Voluntary Plan for the Environment [\(p.10\)](#) and the Environmental Action Plan [\(p.13\)](#) under its environmental conservation committee system through continuously improving a Plan, Do, Check and Action (PDCA) cycle.

■ Casio's environmental conservation system



Obtaining ISO 14001 Certification

Our major production sites, both within and outside Japan, are already ISO 14001 certified. Among 21 sites, 15 sites have undergone review for renewal and have transferred to the stage of continual improve-

ments on the systems and their performance.

We will encourage our sites engaged in sales activities to acquire ISO 14001 certification, in order to establish a group-wide environmental management system.

ISO 14001-certified Sites				As of March 2004	
Domestic		Overseas			
Name of the site	When certified	Name of the site	When certified		
Yamagata Casio Co., Ltd.	Nov. 1997	Casio Korea Co., Ltd.	Apr. 1998		
Kofu Casio Co., Ltd.	Jan. 1998	Jiu Shui Keng Casio Electronics Factory	Sep. 1999		
Kochi Casio Co., Ltd.	Mar. 1998	Casio Computer (Hong Kong) Ltd.	Dec. 1999		
Casio Electronic Manufacturing Co., Ltd.	Sep. 1999	Casio Electronics (Zhuhai) Co., Ltd.	Sep. 2000		
Casio Support System Co., Ltd.	Jan. 2000	P.T. Asahi Electronics Indonesia	Feb. 2001		
Casio Micronics Co., Ltd.	Mar. 2000	Casio (Thailand) Co., Ltd.	Sep. 2001		
Casio Computer Co., Ltd., Tokyo	Jun. 2000	Casio Taiwan Ltd.	Dec. 2001		
Product Control and Technical Center		Casio Electronics (Shenzhen) Co., Ltd.	Feb. 2002		
Casio Computer Co., Ltd., Hamura	Oct. 2000	Casio Electronics (Zhongshan) Co., Ltd.	Apr. 2002		
Hamura Research & Development Center					
Casio Computer Co., Ltd., Hachioji	Oct. 2000				
Hachioji Research & Development Center					
Casio Computer Co., Ltd., Head Office	Dec. 2000				
Casio Soft Co., Ltd.	Dec. 2001				
Casio Techno Co., Ltd.	May 2002				

Environmental Risk Management

The Casio Group, by obtaining ISO 14001 certification for all the sites and its major group companies, has established a risk management system and actively promoted the prevention of environmental pollution through such measures as providing

training for emergency responses and conducting activities to reduce the use of hazardous substances and CFC substitutes. For example, Casio Micronics has overhauled the aged facility for wastewater processing and underground pit piping to strengthen its

measures to prevent soil pollution. Also, in installing chemical tanks, all the companies have prepared a wall to prevent soil pollution to appropriately respond to any possible leakage.

Compliance with environmental laws and regulations

From past to present, in relation to the environment, none of the Casio Group's companies and sites violated any laws or regulations, paid fines or penalties, received complaints, or suffered lawsuits.

FY	1999	2000	2001	2002	2003
Number of cases	0	0	0	0	0
Monetary amount	0	0	0	0	0

Discontinuation of the use of CFC substitutes

Use of CFC substitutes is planned to be totally discontinued by transferring a production site by fiscal 2004 to Jiu Shui Keng Casio Electronics Factory in China, which does not use CFC substitutes.

Soil pollution

In a survey conducted when Hachioji Research & Development Center was rebuilt, hazardous substances exceeding the standard values were detected. Accordingly, we restored the quality of the soil. Having completed the measures to prevent soil pollution, there are no safety and health problems.

Hazardous air pollutants

The Casio Group uses none of the 13 substances* specified for control in October 1996 by the Ministry of Economy, Trade and Industry.

* The 13 substances: acrylonitrile, acetaldehyde, vinyl chloride monomer, chloroform, 1,3-dichloroethane, dichloromethane, tetrachloroethylene, trichloroethylene, 1,3-butadiene, benzene, formaldehyde, nickel subsulfide, nickel sulfate

Reporting in compliance with PRTR Law

We submit reports on the substances specified in the PRTR Law. [\(p.32\)](#)

PCB-containing equipment in storage

The Casio Group currently stores 19 capacitors and 258 small ballasts for fluorescent lamp that contain PCBs, which must be appropriately detoxified by the end of fiscal 2005. We are promoting appropriate storage and reporting in accordance with the law, and formulating the treatment plans while considering each prefecture's plan on PCB disposal facilities.

Environmental Education and Awards

We conduct environmental education and awareness activities making it possible to be constantly mindful of the environment. New employees are given general environmental education before being assigned. Also,

through general and specialized education programs, general employees, managers, and those in charge of the environment are provided training suitable to their working responsibilities in order to improve their

environmental awareness and knowledge. For environmental conservation activities conducted in fiscal 2003, the following awards were granted for activities that achieved praiseworthy results:

Award	Target	Details	Frequency	Number of award winners
Award for Improvement Proposals	Production sites	Award for environmental conservation activities that have achieved results		2 winners at Kofu Casio for: •Reduction in waste disposal costs by reviewing waste control, making waste valuable and recycling it ¥3,641,631 → ¥1,511,335 (−¥2,130,296) •Reduction in the use of electricity and costs by installing air compressors operated during nighttime and on holidays 12 winners at Casio Micronics including the following: •Recycling of the ashing device quartz chamber •Reduction of man-hours by installing adhesive rollers in the visual tests •Cost reduction by developing new industrial waste processors
Eco Bonus Award	Kofu Casio	Award for participation in volunteer environmental activities	As needed	Total number of winners: 44 persons
President's Prize	Casio Micronics	Award for excellent achievements made in the course of business	Twice a year	9 winners in the first half: 3 teams, 5 employees and 1 special award •25% improvement of storage capacity for COF films •Others
Workplace Action Guidelines Compliance Award	Casio Micronics	Award for workplaces or employees for excellent activities (compliance) based on the action guidelines set for the workplace	Twice a year	Total number of winners: 87 persons Total number of workplaces that won the award: 18 workplaces among 87

Glossary

ISO14001: ISO 14001 is an international set of standards that set forth the requirements for a company to meet in the process of establishing an environmental management system. It covers such issues as the choice of targets for environmental impact reduction; environmental education for employees, and procedures for establishing an appropriate system.

Chlorofluorocarbon alternative: Substances used in the semiconductor cleaning process or as refrigerants in refrigerators, and in other appliances in place of CFCs that deplete the ozone layer. The COP3 Kyoto Protocol stipulates the reduction of CFC substitutes.

PCB-containing equipment: Polychlorinated biphenyls (PCBs) were used as electrical insulators, insulating oil for capacitors, and as a heating medium for transformers. They can also act as environmental hormones or endocrine disruptors.