Reduction of Industrial Water Use and Prevention of Soil and Water Contamination

Casio strives to reduce the use of industrial water through such means as recycling of wastewater and prevent the release of contaminants to waterways, soil and subterranean water.

Reduction of Industrial Water Use and that of Waste Water

Casio targets to accomplish a 5% reduction in its industrial water usage per unit of production by fiscal 2005 over the levels of fiscal 2000. Casio's company-wide water usage in fiscal 2004 amounted to 14.2 thousand m³/¥1 million, an 18% increase over the fiscal 2000 usage of 12.0 thousand m3/¥1 million.

This was in part due to an increase in the use of water for cleaning, air conditioning and Yamagata Casio's co-generation, resulting from an increase in production volumes. The other reason was a fall in the sale price. The water use per unit of production, after adjustment for Bank of Japan's Domestic Enterprise Price Index (Electrical Equipment), amounted to 7.5 for fiscal 2004 for the entire company, an approximately 15% decrease over the levels of fiscal 2000.

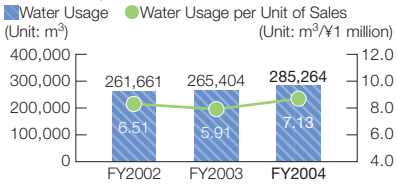
Efforts to Reduce Water Use and the Waste Water Volume

With a rise in the production volume, water use in manufacturing processes also grew. The installation of facilities to reuse waste water at Kochi Casio Co., Ltd., Kofu Casio Co., Ltd. and Casio Micronics Co., Ltd., however, led to the Electronic Component Division's use of 1,747 thousand m3 of recycled water, representing 6.7% of the total water use in the preceding fiscal year, or 2,551 thousand m3. By striving to increase the use of recycled water, Casio hopes to continue to lower its industrial water use and the volume of its wastewater.

Industrial Water Usage at Overseas Sites

In fiscal 2004, such factors as the new inclusion of P.T. Asahi Electronics Indonesia, which uses large quantities of water, in this report and a production increase at Casio (Thailand) Co., Ltd. caused both the water usage and the water usage per unit of sales to rise. Notwithstanding, Casio is working to lower water usage per unit by organizing a water usage reduction campaign at all sites.

Changes in the Use of Water and those of the Water Use per Unit of Sales at Overseas Sites



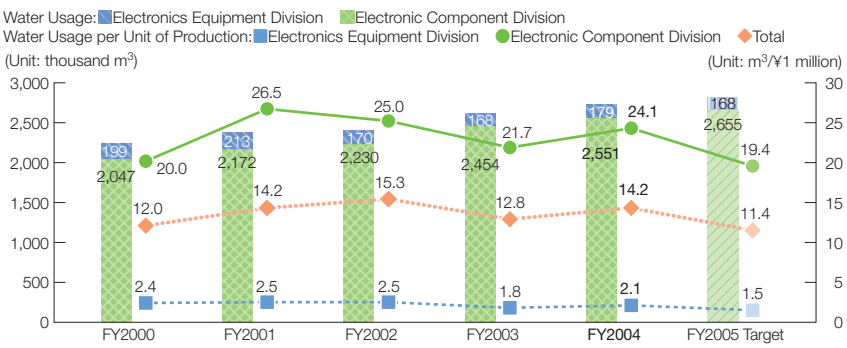
* The data were collected from 16 sites, not including Montres Casio France S.A.

Prevention of Water Contamination

Casio steadfastly performs regularly-scheduled maintenance of its wastewater treatment facilities and water quality checks that are mandated by law, as well as files reports to government offices as required by law and ordinances. Casio has never experienced contaminants surpassing their standards-specified limits.

With respect to facilities, Casio sets its voluntary standard values at 10 percent or more below the standards that are established by the national and local governments so as to ensure that Casio always clears such government-established standards. Casio installs equipment that is capable of clearing such values by consulting equipment makers.

Changes in the Usage of Water / Changes in the Water Usage per Unit of Production at Domestic Sites



Prevention of Soil and Underground Water Contamination

With respect to prevention of soil and underground water contamination, no accidents, such as leakage, occurred at any of Casio sites during fiscal 2004. No contamination was found in soil or rivers in the vicinity of Casio sites, either.

Status in Fiscal 2004

Casio makes it a policy to preferentially examine soil of the premises on which the company has a manufacturing plant or conducts research and development for contamination. In the event contamination is found, the findings are disclosed.

Moreover, a contamination study must be completed and the absence of contamination confirmed before any land is newly purchased. In January 2005, land was purchased for the second plant of Casio Micronics Co., Ltd. This too was preceded by a soil study, which was conducted at the expense of the landowner, and the absence of problems was confirmed.

Results of Soil Contamination Studies in FY2004 (Unit: number of studies)

	Domestic	Overseas
Land on which a study was completed	4	1
Land that was revealed to have contamination	0	0
Land that has been cleaned	0	0

Efforts to Reduce Impact

As for wastewater facilities that may cause soil contamination, Casio implements such measures as a double structure for piping and enclosing chemical solution tanks with concrete that has been given anti-leakage treatment. Whenever suppliers deliver chemical solutions, a Casio supervisor is present on site so that immediate action can be initiated in the event of unanticipated accidents. The departments that use large quantities of chemical solutions that can contaminate soil conduct annual drills by simulating a chemical leakage to ensure full readiness.