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FY 2006 Environmental Targets and Results of Activities

(2006 Environmental Targets and Results, Review of Activities and Issues for Future Action, and Company-wide Environmental Targets for FY 2012)

We achieved all target items for fiscal year 2006.

Issues for future action are to conduct analyses of causative factors and continue engaging in activities for attaining our new targets for fiscal year 2012.

FY 2006 Environmental Targets and Results

Item	Description	FY 2006 target	FY 2006 results	Evaluation
Efficient use of energy and resources	① Amount of hydroelectric power shift generated by nighttime water collection	2,650 MWh/year	2,700 MWh/year	○
	② Establishment of energy-management criteria and expansion of the quantity of energy-conservation improvement activities	3,000 MWh/year	3,490 MWh/year	○
	③ Improvement of the consumption rate for electricity (energy) production	90 or less	82	○
Reduction and recycling of industrial wastes and reduction of environmental impact	① Reduction of treatment costs for solid industrial wastes	10,500 yen /treatment batch	10,500 yen	○
	② Improvement of liquid-waste emission rate	95 or less	95	○
	③ Verification of treatment at new outsourced waste-material treatment and recycling sites	100%	100%	○
	④ Reduction of absolute amount of CO ₂ emissions	7kt	18.9kt	○
Environment-related technology, etc.	① Implementation of thermal recycling for solid wastes	80% or higher	88%	○
	② Management and execution of social-contribution activities	1.7 times /year per person	1.9 times /year per person	○
	③ Holding of risk-communication sessions	Held 1 time /year per person	1 (Kinuura)	○

○ Target met △ Improved from previous year, but target not met × Worse than previous year

FY 2006 Activity Review and Issues for Future Action

Item	Review of FY 2006	Issues for future action
Efficient use of energy	The reduction target of 7 kt was exceeded by achieving a reduction of 18.9 kt, but increases in production resulted in greater purchases of electricity and thermal power, resulting in higher CO ₂ emissions.	Activities to reduce absolute amounts of greenhouse gases <ul style="list-style-type: none"> • Creation of systems capable of energy management in all production processes (installation of electricity meters) • Implementation of improvements in equipment to conserve energy (drying kilns and improved temperature control)
Reduction and recycling of industrial wastes and reduction of environmental impact	Amounts of waste materials were reduced, but absolute amounts of liquid wastes increased.	We are presently accommodating in-house treatment by installing more treatment equipment, but promoting reductions in amounts generated is required.
Environment-related technology, etc.	Holding of a risk-communication session was delayed. 【Cause】 Plans for holding the sessions in Ogaki conflicted with scheduled construction and other matters, making it impossible to schedule a plant tour and causing the session to be delayed.	As part of efforts oriented toward environmental management, and because of the requirements for disclosure of information to outside stakeholders, a risk-communication session is to be held annually at one location.

Company-wide Environmental Targets for FY 2012

Prevention of Global Warming

- ① We are devoting efforts to creating environmental products, reducing carbon dioxide emissions and engaging in energy conservation, and promoting activities to reduce carbon dioxide emissions by 6% compared to fiscal 1990.

Recycling of Liquid Wastes and Wastewater

- ① Improved rate of reduction on liquid wastes Half the levels of fiscal 2006
- ② Improved rate of usage of water for washing Half the levels of fiscal 2006
 - Recycling of water used in production processes (in-process and total recycling)

Social-contribution Activities and Information Disclosure

- ① Disclosure of environmental information concerning environmental-conservation activities
 - Holding of risk-communication sessions at each business-operation site1 time/year per site
- ② Roll-out of social-contribution activities for the local community
 - Regional beautification
 - Education for the local community (local residents and area schools)
 - Provision of technology to the local community (for energy conservation and zero emissions)