

Environmental Management

Kajima is promoting ISO14001 certification group-wide, and is striving to protect the environment and prevent all forms of ecological damage.

Kajima's Environmental Management Policy and Implementing Organization

Since 1997, Kajima has been operating an environmental management system based on ISO14001. In 2003, the system was applied company-wide, and environmental initiatives were further strengthened.

Environmental targets have been set by the Kajima Environmental Committee, and specific activities are being promoted in the seven categories of civil engineering, building construction, office activities, environmental engineering, engineering, R&D, and overseas businesses.

Environmental Management Policy (Established in 1998, revised in 2003)

As a member of the construction industry—an industry entrusted with the responsibility for development of public infrastructure—Kajima considers environmental issues from both a regional and global perspective, contributing by reducing the environmental impact of its business activities, and working to realize a sustainable society in which economic activities and environmental conservation are consistently pursued. Moreover, we engage in broad-based environmental communication within the company and with the public, including information disclosure.

1. We endeavor to prevent pollution resulting from business activities and engage in the recycling and effective utilization of resources, the control of hazardous materials, the fight against global warming, and conservation of ecosystems throughout the entire life-cycle of buildings.
2. We promote the development of technologies that contribute to environmental conservation, and are committed to providing business solutions for a better environment.

Environmental targets and results

*○ = Target achieved △ = Nearly achieved × = Not achieved

1. Initiatives related to the priority issues

Activities and medium-term environmental objectives	Medium-term goals (2006 to 2008)	2007 targets and results (bracketed figures are results)*	2008 targets
Resource recycling and effective use Promoting zero emissions at project sites	Suppression of waste generation Civil engineering: Output volume 180.0 tons / ¥1 billion in sales (excluding sludge, slag and concrete debris) Mixed waste 24 tons / ¥1 billion in sales Building construction: Mixed waste 5% reduction compared with 2005 level (10.7 kg / m ² per total floor space) Final disposal rate Company-wide: 5% or less (excluding sludge and slag) Green procurement Green procurement rate for five major materials (steel, ready-mixed concrete, cement, aggregate, and asphalt) 40%	200 tons or less / ¥1 billion in sales (○ 130 tons / ¥1 billion in sales) 27 tons or less / ¥1 billion in sales (○ 18 tons / ¥1 billion in sales) 2% reduction compared with 2006 level, 8.5 kg / m ² (△ 1.1% increase, 8.8 kg / m ²) Final disposal rate: 5.5% or less (excluding sludge and slag) (○ 3.3%) Company-wide green procurement rate for five major materials: 40% (○ 56%)	140 tons or less / ¥1 billion in sales 18 tons or less / ¥1 billion in sales 2% reduction compared with 2007 5% or less (excluding sludge and slag) 50% or more
Global warming prevention Providing social infrastructure with high energy performance Reducing CO ₂ emissions in construction	Building construction design Success rate in achieving Kajima's internal energy-saving standard (5% over the national standard): 80% or more for applicable projects Reduction rate for CO ₂ emissions per unit (10 kg / ¥1 billion in sales) 12%	76% or more (△ 70%) 11% reduction (○ 10.6% reduction)	80% or more 12% reduction
Hazardous substance management Promoting preventive measures	Proper management and result reporting	Ascertaining and reporting results (○ Civil engineering: 100% site history advance confirmation rate) (○ Building construction: Zero cases of serious environmental accidents) (○ Result ascertainment: Asbestos, CFCs, halon, and PCBs)	<ul style="list-style-type: none"> • Result ascertaining and reporting • Proper management of hazardous substances (civil engineering) • Risk avoidance through thorough preventive activities (building construction)
Promotion of ecosystem-friendly construction activities	Specific development of Kajima Ecosystem Conservation Guidelines	Preparation of relevant training materials (○ Preparation of civil engineering training materials) Development of social contribution activities (○ Provided free environmental classes to three schools)	<ul style="list-style-type: none"> • Utilize ecosystem information management system • Ecosystem training initiative for each civil engineering field • Carry out social contribution activities and utilize them for PR

*○ = Target achieved △ = Nearly achieved × = Not achieved

2. Common initiatives concerning the priority issues

Activities and medium-term environmental objectives	Medium-term goals (2006 to 2008)	2007 targets and results (bracketed figures are results)*	2008 targets
Promoting sustainable design Providing social infrastructure of high environmental performance in areas such as energy and resource saving	Building construction design <ul style="list-style-type: none"> Improve environmental aspect utilizing CASBEE Select high profile jobs 	Architectural Design Division Overall evaluation of "A" or higher (△ Achievement rate 72.2%)	<ul style="list-style-type: none"> All building designs to achieve "A" or "S" 10 or more high profile jobs ("S")
	Civil engineering design <ul style="list-style-type: none"> Promote sustainable design 	Trial evaluation of sustainable design proposals (○ implementation rate 100%) Active proposals for sustainable design: 2.5 cases or more / project (○ 3.1 cases)	<ul style="list-style-type: none"> Trial and improvement of sustainable design proposal evaluation sheets Active provision of sustainable design proposals
	Engineering <ul style="list-style-type: none"> Measure the qualitative improvement of sustainable design and construction 	Utilization of sustainable design checklists (○ 100% usage) Utilization of environmental management checklists (○ 100% usage for projects with construction investigation committee)	<ul style="list-style-type: none"> Development and trial of methods for evaluating environmental sustainability
Technological development and businesses that contribute to environmental sustainability Expanding environmental solutions business in fields surrounding construction	Environmental engineering <ul style="list-style-type: none"> Expand the volume of environmental-improvement business 	Environmental business volume: ¥35 billion (× ¥28 billion)	<ul style="list-style-type: none"> ¥40 billion
	R&D <ul style="list-style-type: none"> Number of environmental-designated R&D projects: 6 / year Number of successfully completed projects: 2 / year 	Number of environmental-designated R&D projects 6 / year (○ 8 projects) Number of successfully completed projects 2 / year (○ 4 projects)	<ul style="list-style-type: none"> 6 / year 2 / year
Environmental sustainability at operations outside Japan Implementing environmental protection activities suitable for the region concerned, focusing on energy and resource saving	<ul style="list-style-type: none"> Reduce concrete loss rate 	Initiatives for target setting and achievement (○ Target setting and achievement)	<ul style="list-style-type: none"> Improve loss rate

3. Initiatives for seamless integration of environmental initiatives with business activities

Activities and medium-term environmental objectives	Medium-term goals (2006 to 2008)	2007 targets and results (bracketed figures are results)*	2008 targets
Fostering a corporate climate with advanced environmental sensitivity	Office activities 3% improvement for each item compared with the average values from 2003 to 2005 <ul style="list-style-type: none"> Promote energy and resource saving measures Promote Cool Biz and Warm Biz campaigns 	2% improvement for each item compared with the average values from 2003 to 2005 Electrical consumption per unit: 4,783.0 kWh or less / per person (○ 4,168.8 kWh / person) Copy paper use per unit: 52.8 kg or less / per person (○ 52.8 kg / person) Waste generation: 191.6 kg or less / per person (○ 146.4 kg / person) Recycling rate: 70% (△ 68.1%) Green stationery procurement rate: 90% or more (○ 91.1%)	Make improvements for each item <ul style="list-style-type: none"> Electrical consumption Copy paper use Waste recycling rate Green stationery procurement rate
Promotion of group-wide environmental management	<ul style="list-style-type: none"> Set environmental targets Introduce an environmental management system (EMS) 	Target setting rate: 100% (○ 100%) Group companies obtaining certification (× none obtained)	<ul style="list-style-type: none"> Continue activities by setting environmental targets Increase number of group companies obtaining certification
Cooperation with subcontractors	<ul style="list-style-type: none"> Select and utilize high-quality waste processing contractors 	Utilize specified subcontractor list Utilization rate: Civil engineering Sludge and slag 97% Mixed waste 77% Building construction Sludge and slag 85% Mixed waste 92%	<ul style="list-style-type: none"> Update and utilize specified subcontractor list