

Results of Environmental Activities in Fiscal 2003 and Environmental Objectives for Fiscal 2004

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Business sector	Fiscal 2003 Environmental Objectives		Fiscal 2003 results	Fiscal 2004 targets
	Activities			
Civil engineering	Resource recycling and effective use	Reduction of construction waste volume generated 42.0t / 100 million yen	43.0 t / hundred million yen (missed target)	35.0 t / hundred million yen (excluding sludge and concrete debris)
		Reduction of mixed waste volume generated 4.4t / 100 million yen	4.7 t / hundred million yen (missed target)	4.0 t / hundred million yen
		Increase in the recycling rate	95% (excluding sludge)	75% for sludge, 98% for wood chips
	Global warming prevention	Conduct of fuel saving operation workshops	Conducted at five worksites	Dissemination and promotion of fuel-saving operation methods and energy-saving methods and materials (conduct of fuel saving operation training, continued collection of good practice examples)
		Collection and cross-organizational dissemination of information on energy-saving methods and materials	Good practice examples posted: three cases	
	Hazardous materials control	Thorough familiarity with and use of soil decontamination methods	Implemented at all branches	Appropriate management of contaminated soil (site assessment confirmation for all excavation work, compliance with internal guidelines)
	Others	Enhancement of external communications	No complaints of insufficient communications	Transfer to daily management
Promotion of sustainable design	Sustainable design proposals by means of a sustainable design checksheet	Number of proposals: 101	Proactive proposal of sustainable design Preparation and dissemination of information on examples of sustainable design	
	Proactive proposals for green procurement in design	Number of proposals: 33		
	Consideration of practical application of a lifecycle CO ₂ emission quantification method	Accomplished		
Building construction	Resource recycling and effective use	Reduction of construction waste volume generated 27.5t / 100 million yen	Volume generated of 33.8 t / hundred million yen (missed target)	25.2 kg / square meter (27.5 t / hundred million yen) (excluding sludge and concrete debris)
		Reduction of mixed waste volume generated 10.0t / 100 million yen	Volume generated of 12.8 t / hundred million yen (missed target)	9.5 kg / square meter (10.0 t / hundred million yen)
		Increase in the recycling rate 93%(excluding sludge)	95% (excluding sludge; missed target)	98% for asphalt concrete, 99% for concrete debris, 94% for wood chips
	Global warming prevention	Collection and cross-organizational dissemination of information on energy-saving methods and materials	Good practice examples posted: two cases	Transfer to daily management
	Hazardous materials control	Thorough familiarity with and use of soil decontamination methods	Implemented at all branches	Appropriate management of contaminated soil
		Promotion of appropriate disposal of hazardous materials	Established as a daily activity	
	Others	Enhancement of external communications	No complaints of insufficient communications	Transfer to daily management
	Promotion of sustainable design		Achieved at the design departments at all branches	*Promotion of sustainable design
			Although not achieved for some jobs, the average of all jobs achieved the objectives	*Rigorous application of CASBEE-conforming sustainable design sheets; 80% or more of applicable jobs *Proposal of energy conservation levels that exceed notification standards by 5% or more for all jobs subject to application of The Law Concerning the Rational Use of Energy
			Number disclosed: 101	*Proactive disclosure outside the company of environmental information
Environmental engineering	Contribution to environmental coexistence and the construction of a resource-recycling society and economy through environmental businesses	Set objectives for five sectors (renewable energy, environmental coexistence, water treatment, soil decontamination, waste) and restructured the organization	*Achievement of environmental business orders received of 45 billion yen *Accumulation of business assets for environmental contribution	
Engineering	Proactive promotion of consideration of sustainable design and efforts to propose and realize it	All groups achieved the objectives	*Proactive proposal of sustainable design *Promotion of eco-friendly engineering works	
R&D	Active promotion of research and development that contributes to environmental protection and creation	10 themes	Environmental -oriented research; 6 or more themes	
		4 cases	Evolution of research results: 2 cases or more	
Overseas operations	Resource recycling and effective use	Introduced EMS at all projects and conducted activities that reflect worksite characteristics, including reduction of the materials forms scrap, and appropriate maintenance of equipment	Continuous improvement in activities conducted and appropriate data gathering for use in the quantification of targets for fiscal 2005 and beyond	
	Global warming prevention			
Operations at offices	Promotion of resource and energy conservation	Sorting and recycling of waste	Achieved at 50% of offices	Recycling rate of 60% or higher
		Reduced use of electricity	Achieved at headquarters and all	1.0% reduction from the fiscal 2003 level
		Reduced use of copier paper	Achieved at 80% of offices	3.0% reduction in use per person from the fiscal 2003 level
		Promotion of green procurement	Achieved at 90% of offices	Stationery green procurement of 83% or higher