

Results of Environmental Activities in Fiscal 2004 and Environmental Objectives for Fiscal 2005

| Activities | Medium-term tasks | Fiscal 2004 activities and results | | Fiscal 2005 targets | | |
|---|---|--|---|--|------------|--|
| | | Results | Targets | Targets | Strategies | |
| Initiatives concerning the four top-priority environmental tasks | | | | | | |
| Resource recycling and effective use | Promotion of zero emissions at worksite | <p>Recycling rate <Civil engineering> Sludge 81%; Wood chips 95% <Building construction> Asphalt concrete 97.6%; Concrete debris 99.5%; Wood chips 95.3%</p> <p>Waste volume generated <Civil engineering> Total: 25.4t / hundred million yen Mixed waste: 3.3t / hundred million yen <Building construction> Total: 28.9kg/m2 Mixed waste: 13.6kg/m2</p> | <p>Recycling rate <Civil engineering> Sludge 82%; Wood chips 98%</p> <p>Waste volume generated <Civil engineering> Total: 25t / hundred million yen Mixed waste: 3t / hundred million yen <Building construction> Total: 27.5kg/m2 Mixed waste: 12.2kg/m2 *Totals for both civil engineering and building construction exclude sludge and concrete debris</p> <p>Strengthening of structural initiatives to ensure compliance</p> | <p><Civil engineering> <Building construction> Reduce use of packing materials, and expand recycling and reuse methods Strengthen mixed waste separation efforts Information collection, proposals, lateral development Advance analysis of construction plan, on-site patrols, and confirmation of proper conduct of internal audits</p> | | |
| Global warming prevention | Promotion of sustainable design (provision of public infrastructure that offers high environmental performance, including energy efficiency) | <p><Civil engineering design> Average number of project proposals: 2.7/job received (119 proposals in total)</p> <p><Building construction design> CASBEE application rate: 92.6% Application of in-house low-energy standards: 75%</p> <p><Engineering> Construction review meetings and other measures to check environmental aspects The number of jobs was small, but the target was reached</p> | <p><Civil engineering design> Average number of project proposals: 2.5/job received</p> <p><Building construction design> CASBEE evaluation: B+ or higher for every job For each building: 5% or more above Japanese standards</p> <p><Engineering> Promotion of eco-friendly design and construction</p> | <p><Civil engineering design> Strengthen proposals related to global warming prevention, resource conservation and reducing the amount of byproducts from construction <Building construction design> Audits conforming to CASBEE and category-specific (reuse, energy efficiency) standards <Engineering> Environmental sustainability for the life-cycle of a building Action targets combining quality and safety</p> | | |
| | Reduction of CO2 emissions in construction works | <p><Civil engineering> Seminars conducted at 13 project sites nationwide</p> <p><Civil engineering & Building construction> Provided case studies for a collection of global warming prevention examples prepared by a collaboration of three industry organizations</p> | <p><Civil engineering> Promotion of low energy cost operations and energy-saving methods</p> | <p><Civil engineering> Conduct training session on low energy cost operations Collection and lateral development of energy-saving methods</p> | | |
| Hazardous substances control | Promotion of preventive measures against hazardous substances | <p><Civil engineering & Building construction> Performed well</p> | <p><Civil engineering> Transfer to daily management <Building construction> Transfer to daily management</p> | <p>Advance analysis of construction plan, on-site patrols, and confirmation of proper conduct of internal audits</p> | | |
| Ecosystem conservation | Promotion of eco-friendly construction business | <p>Conducted per job by R&D-related divisions</p> | <p>Set company-wide policy guidelines and publicize examples from around the Company</p> | <p>Establish a biodiversity conservation committee</p> | | |
| Other initiatives for reduction of adverse environmental impact | | | | | | |
| Technological development and business | Expansion of environmental solutions business peripheral to construction business | <p><Environmental engineering> Order volume of 46.7 billion yen Acquisition of certifications proceeded generally smoothly</p> <p><R&D> No. of environment-designated projects: 8 No. successfully completed: 4</p> | <p><Environmental engineering> Achieve order volume targets Accumulate sales assets to contribute to the environment</p> <p><R&D> No. of environment-designated projects: 6 No. successfully completed: 2</p> | | | |
| Overseas operation | Promotion of environmental preservation activities that reflect the local characteristics of overseas | <p>Collection of numerical data on common issues of concrete loss and reduction of wood forms completed; numerical values checked at most project sites Began regular cleaning and machinery maintenance</p> | <p>Set numerical targets for success and pursue environmental initiatives</p> | <p>Set quantitative targets for each project site</p> | | |
| Initiatives concerning infrastructure for environmental management | | | | | | |
| Environmental education | Creation of a corporate climate sensitive to environmental issues | <p><Office> Targets not achieved, with power use up 0.2% and green procurement rate at 78% Volume of copy paper used down 7.4% Office waste recycling rate: 65% <Global Environment Office> Training for an administrative manager begun</p> | <p><Office> Power use: Down 1% from fiscal 2003 level Rate of copy paper use: Down 3% from fiscal 2003 level Waste recycling rate: Over 60% Green procurement rate for stationery: Over 83% <Global Environment Office> Expand environmental training for employees</p> | <p><Office> Clarify both defined targets and stretch goals <Global Environment Office> Promote environmental education for administrative personnel Provide information to management</p> | | |
| Cooperation with affiliates and partner companies | Promotion of group environmental management | <p><Group affiliates> Established safety and environment committees for construction-related affiliates Assessment of current environmental initiatives conducted Request made for setting of environmental targets</p> | <p><Global Environment Office> Promote activities with construction-related group companies</p> | <p>Provide information on risks and support education Set environmental targets, monitoring, and support assessment reviews Promote the introduction of a simplified EMS system</p> | | |
| | | <p><Partner companies> Environmental curriculum incorporated into training for foreman Environment included as topic in improvement meetings <Industrial waste processing companies> Tightened selection criteria for industrial waste processors (presidential communique)</p> | <p><Global Environment Office> Measures revised and improved</p> | <p><Partner companies> Provide information on risks, support education, and promote introduction of a simplified EMS system <Industrial waste processing companies> Select and strengthen ties with recommended vendors</p> | | |
| Communication | Promotion of information disclosure and dialogue | <p><Global Environment Office> English-language environmental report published on the Company homepage Conducted study tours of project sites</p> <p><Building construction design> No. of announced projects: 150</p> <p><Technical research> Journal and newspaper publications: 158 Announcements via webpage: 42</p> | <p><Global Environment Office> Revision of report editing guidelines Continued meetings to exchange opinions Proactive initiatives toward society</p> <p><Building construction design, R&D> Publication of environmental R&D and sustainable design successes</p> | <p>Reflect targets set in the next medium-term business plan Set target for number of announcements</p> | | |