

A management system to promote environmental conservation activities

To lessen the burden on the environment that is created from our business operations, we at JR East promote environmental conservation activities across our departments. To support these activities, we have a cross functional management system for the whole group and offer environmental education to promote employee awareness.

Promotion of environmental activities as an entire group

Expansion of environmental activities

JR East believes that it is important to promote environmental activities in which every JR East Group employee can voluntarily and actively engage. We set goals for these activities and implement effective measures.

To be more specific, we are trying to expand the scale of our environmental activities through the development of the “JR East Eco Activities”, measures to promote environmental activities at each work place, the education of leaders through environmental education, and sharing of exceptional environment measures through the presentation of awards. In addition, the Committee on Ecology, which serves to link together all the work sites, sets specific numerical targets for promotion of these activities.

Promotion of environmental activities at each work place

“JR East Eco Activities” is promoted to create “a business climate to think about the environment” at each work place and to initiate specific environment conservation activities. By having each employee work on what they can do in their day-to-day work, we plan to lessen environmental burdens and at the same time enhance the environmental awareness of our employees. We started trial use of “JR East Eco Activities” in fiscal 2004. By the end of fiscal 2006, the activities began at all work places, including the head office, all branch offices, and all construction offices.



In-house magazine “JR Higashi” carries information on environmental activities, the “JR East Eco Activities”, at each work place to be shared among our employees.

Implementation of environmental education

For effective environmental management, it is essential that all employees have appropriate knowledge on environmental issues. We provide environmental education lectures to a large number of our employees, ranging from new employees to people who promote environmental activities in JR East and group companies. Through these lectures, we aim to expand the scale of our environment activities. In 2006, to enhance environmental activities at each group company, we began an “Environment management training” program for people in charge of environmental matters in those companies. In addition, we distribute a summary version of the JR East Group Sustainability Report to all of our employees.



Educational training for employees who promote environmental activities

Environmental education system

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| Education of environmental-activity promoters at organizations of JR East and group companies |
| Environment management training (group companies) |
| ● Persons trained: those responsible for environment at group companies |
| ● Objective: improvement of ability in environment management |
| ● Number of participants: 30 |
| Environment management practical training |
| ● Persons trained: those responsible for environment at local organizations, etc. |
| ● Objective: improvement of ability in environment-related matters as trainers to field offices, etc. |
| ● Number of participants: 27 |
| Training for personnel responsible for environmental measures |
| ● Persons trained: those responsible at each branch office |
| ● Objective: acquisition of basic knowledge such as environment-related laws |
| ● Number of participants: 21 |
| Environment education targeting a large number of participants |
| Training for new recruits: 1,455 |
| Training for work-implementation managers: 219 |
| Training for new on-site supervisors: 161 |
| Other training at branch offices, etc.: 21 |

Recognition and awards for employees' environmental initiatives

To reward outstanding environmental activities and in an effort to share the activities with other employees of JR East group, we began rewarding organizations that had made environmental contributions in fiscal 2005. In fiscal 2006, awards were given to 2 organizations and 3 group companies for their active and voluntary engagement in environment activities.



Award presentation ceremony in fiscal 2006

Award winners for fiscal 2006

| Award winners | Contents of activities |
|---|---|
| [Recognition from President] | |
| JR East Sendai Branch Office | Active promotion of JR East Eco Activities and tree planting activities |
| JR East Consultants Company | Promotion of rooftop afforestation at each group company |
| [Recognition from Director General of Corporate Planning Headquarters] | |
| JR East Takasaki Branch Office | Promotion of recycling of waste from stations and trains, and active provision of environmental information |
| JR Utsunomiya Planning & Development Co., Ltd. | Setting of environment targets at all work places and promotion of specific activities |
| JR Technoservice Sendai Co., Ltd. | Development and introduction of detergent with less toxic substances for washing railcars |

Environment management system

Cross-functional environmental activities for the whole JR East group

JR East's Committee on Ecology studies the impacts of our business activities on the environment; sets environmental targets; implements environmental conservation activities; evaluates the levels of achievement regarding the targets; and ensures supervision by the top management.

The Committee was established in 1992 with its office at the Management Planning Department, and functions as a cross-departmental body, chaired by the President and CEO of JR East, with members consisting of the General Managers from each department.

In fiscal 2006, we comprehensively reviewed the "subcommittees" in the Committee on Ecology in order to investigate the measures for each theme and establish a new system to sort out emerging issues and increase the speed of investigation.

We hold an annual JR East Group Environmental Management Promotion Conference which includes representatives from all JR East Group companies. At the fiscal 2006 conference, the representatives shared issues affecting the whole group and recognized the excellent efforts of those among the participants.

ISO14001 certification

JR East has been striving to acquire ISO14001 certification. The certification is an international standard for environmental management systems. At JR East we are working to acquire the certification mainly at facilities that have relatively large environmental impacts.

All of our General Rolling Stock Centers, which are responsible for train maintenance, are certified under ISO14001.

ISO14001-certified facilities

| Certified facilities | Year and month of certification |
|--|---------------------------------|
| <JR East> | |
| Niitsu Rolling Stock Manufacturing Factory | Feb-99 |
| Kawasaki Thermal Power Plant | Mar-01 |
| Tokyo General Rolling Stock Center | Mar-01 |
| Niigata Mechanical Technology Center | Mar-01 |
| Omiya General Rolling Stock Center | Mar-02 |
| Shinkansen General Rolling Stock Center | Nov-02 |
| Koriyama General Rolling Stock Center | Dec-03 |
| Nagano General Rolling Stock Center | Feb-05 |
| Akita General Rolling Stock Center | Jul-05 |
| <Group companies> | |
| East Japan Eco Access Co., Ltd. | Nov-99 |
| LUMINE Co., Ltd. | Dec-00 |
| Nippon Restaurant Enterprise Co., Ltd. (manufacturing section) | Sept-02 |
| Nagano Railway Servicing Co., Ltd. | Jan-07 |

Internal environmental audits

At our General Rolling Stock Centers, for example, in-house auditors are trained through external training programs, and conduct routine audits at the centers in order to evaluate environmental activities. On one occasion, internal environmental auditors pointed out that a Material Safety Data Sheet (MSDS) for some coating materials had not been obtained, and this was subsequently corrected.

Environment risk management

JR East is working to establish a system to prevent environmental accidents by more rigidly managing chemical substances. We prepared emergency response manuals for on-site locations such as our thermal power plant and General Rolling Stock Centers that handle chemical and hazardous substances. We are also preparing ourselves to properly respond to any contingencies by holding workshops and training sessions on how to handle such substances, and ensuring that related information reaches all related personnel.

Environment-related accidents

In fiscal 2006, there were no environment-related accidents and no cases of violation of any environmental law or and regulation in the JR East Group.

Organizational structure to promote environmental management (as of March 31, 2007)



| Department name | Main activities | Working group name |
|--|--|--|
| Environmental management | Promotion of environment conservation activities at each work place, promotion of environment management as a whole group, management of environmental targets and publication of environmental activities, etc. | * JR East Eco Activities WG * JR East Group environment management promotion WG |
| Measures to prevent global warming | Reduction of CO ₂ emissions through reduced electricity use and new energy technologies, reduction of CO ₂ emission volume throughout the entire transport system, etc. | * Eco station WG * Eco railcar WG * Railway usage promotion WG |
| Measures for resource circulation | Recycling of wastes from stations and trains, reduction and recycling of industrial waste, eco-friendly procurement, etc. | * Station & train waste WG |
| Chemical substance management | Management of ozone depleting substances, chemical substances, PCB, etc. | * PCB waste WG |
| Environmental activities along railway lines | Measures against noise, utilization of spring water in tunnels, conservation and utilization of railway trees, proper use of herbicide, etc. | * Railway trees conservation & utilization WG * Proper herbicide usage WG |