



# Tokai Rika Groupwide Approach

Environmental activities are undertaken by the entire Tokai Rika Group, including subsidiaries and affiliates at home and abroad.

## Globalization of Environmental Activities

In subsidiaries at production sites at home and abroad, Tokai Rika promotes introduction of the environmental management system and makes efforts to homogenize and upgrade environmental conservation activities as part of its Groupwide approach. Eleven out of 15 overseas companies have acquired ISO14001 certification.

### ● Construction of the environmental management system for domestic subsidiaries and affiliated companies

Tokai Rika lends support to subsidiaries and affiliated companies in building up environmental management systems based on "Eco-Action 21" (formulated by Ministry of Environment), and in promoting environmental activities.



■ Eco-Action 21 briefing

### ● Tokai Rika Eco-factory Activities

Eco-factory Activities aim at constructing and implementing systems that will incorporate environmental consideration into plants from the planning stage to the operating stage. In 2004, Eco-factory Activities were implemented in the new construction of TRCF (China) and the expansion works of TRCZ (Czech), TSB (Thailand), and TRT (Thailand).



■ TRCF

#### ■ Main Eco-factory Activities implementation items (items implemented in China)

1	Installation of fuel tanks above ground (abolition of underground tanks)	Prevention of soil contamination in the event of oil spillage
2	Abolition of pits in plant	Prevention of soil contamination due to leakage of oil or water into pits
3	Prohibition of buried pipes	Prevention of cracking and breakage of piping caused by ground subsidence
4	Adoption of energy-saving systems	Introduction of inverters and installation of high-efficiency systems
5	Adoption of eco-friendly construction material	Adoption of heat-absorbing glass and turf blocks
6	Operational controls and measurement of environmental loads	Optimum operation of motive power facilities and measurement of environmental loads generated by production facilities
7	Testing of soil and groundwater for pollution	Periodic examination of soil and groundwater before and during plant operation
8	Observance of laws	Strict observance of Chinese laws (government and other public offices, firefighting, electric power, safety, etc.)
9	Ensuring zero complaints from neighbors	No environment-related complaints from residents around the plant

### ● Global environmental audits

Auditors are dispatched from Japan in order to audit the environmental activities of our overseas production sites, confirm the status of Eco-factory Activities under stable operating conditions, ascertain whether or not environmental performance and targets are being achieved, and verify that nonconforming items have been corrected or improved.



■ Scene of site auditing (TRT)

# Environmental Activities of Each Plant

## [Headquarters Plant]



■Main production items  
Electronic products, power window switches, pressure switches, plunger switches, mirrors, medical devices, streamlining apparatus, measuring instruments, agricultural equipment, equipment for construction machinery

### ●Environmental conservation activities

- Recycling of combustible waste meticulously separated from direct landfill waste
- Reducing waste by recycling mirror polishing materials and abolishing the IC mold process
- Preparing paper and rubbish sorting tables with photos and training all employees about collecting and separating combustible waste
- Reduction of CFS substitutes (substances subject to PRTR) by eliminating the substrate cleaning process

### ●Energy-saving activities

- Reducing power consumption by increasing the efficiency of production facilities and extended companywide simultaneous voluntary power failure
- Achieving an even higher production cycle by shortening cooling time, injection time, and removal time of molding machines (shortened production time)
- Improving equipment operation rates by integrating soldering baths and vertical type inserting machines



### ●In-house training and educational campaign

- Executing emergency drills for oil spillage from a hazardous substance storage facility



### ●Environment-and community-based exchanges

- Holding community roundtable conferences to exchange opinions with neighborhood residents

## [Nishibiwajima Plant]



■Main production items  
Lever combination switches and various switches for automobiles

### ●Environmental conservation activities

- Recovery of pollutants in soil and decontamination of groundwater
- Periodic check of groundwater contamination condition (monthly)
- Inspection and confirmation of storage and management of hazardous substances by corporate officers and industrial doctors
- Measuring noise and vibration at the boundary of premises and checking for signs of abnormal conditions (annually)
- Keeping consumption rate of substances subject to PRTR under 1 ton per year

### ●Energy-saving activities

- Improved air-conditioning efficiency by adopting heat-insulation coating, roof water sprinkling systems, double sashes, etc.
- Reviewing lighting needs and rearranging lighting and switches



### ●In-house training and educational campaign

- Executing drills for various emergency situation

### ●Environment-and community-based exchanges

- Inviting Four representatives of the community to the plant to exchange opinions
- Participation in the "Fifth We Love Nishibi Day." Setting up refreshment stands, etc. in cooperation with the town of Nishibiwajima and the Nishibiwajima Volunteer Liaison Committee
- Conducting educational campaigns aimed at wearing seatbelts on roads around the company premises (8 times a year)

## [Toyota Plant]



■Main production items  
Seatbelts, resin wheel covers, ornaments

### ●Environmental conservation activities

- For seatbelt products (including overseas exports), adoption of chromating technology that uses no hexavalent chromium (put into practice in 2004)

### ●Energy-saving activities

- Reducing power consumption by one third by using motors to open and close the molds of injection molding machines (40 units), which consume more power than other facilities

### ●In-house training and educational campaign

- Using posters and other means to inform employees how energy-saving activities implemented in plants help prevent global warming

### ●Environment-and community-based exchanges

- Holding of community roundtable conferences with community residents
- Holding an open-house day to introduce company activities to a greater number of people (June)

### ●Implementation of volunteer activities

- Thirty employees volunteer to help clean facilities for mentally-handicapped people in Nomiyama, Toyota.



## [Otowa and Hagi Plants]



■Main production items  
【Otowa Plant】  
Keys and locks, shift levers, cigar lighters, connectors, two-wheeled vehicle products, dies  
【Hagi Plant】  
Neutral start switches, air bags, child seats, steering wheels

### ●Environmental conservation activities

- Construction of cogeneration facilities subsidized by NEDO (New Energy and Industry Technology Development Organization)

- Reduced the amount of landfilled waste by recovering resin waste and sorting and collecting waste glass bottles for re-use by manufacturers

### ●Environment-and community-based exchanges

- Holding community roundtable conferences attended by the Otowa Region Ward Head and three key citizens, children's association chairpersons, and PTA presidents
- Implemented "Clothing Collection for Overseas Rescue Operations" to solicit contributions of clothing from community residents to support the people of developing countries in Asia and Africa

