

Environmental Actions at Tokai Rika Plants

Head Plant



Environmental Committee Chairman:
Yasuhiro Miyake,
Member of the Board

The main products of the Head plant are switches, electrical appliances and mirrors. Our efforts are made for energy consumption, waste reduction and reduction of hazardous materials while having communication with the local community.

ISO 14001 Surveillance Audit

Major	0
Minor	0
Observation	1

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Environmental Activities

● Reduction of Landfill Waste

We will continue to maintain “Zero” emission status and try to reduce more waste.

- Reuse of packing materials, trays, cardboard and reels
- Recycling of defects
- Sorting of resin with fiberglass, anti-static clothing and leather and rubber materials (incineration instead of landfills)



● Energy Conservation

We are trying to reduce our electricity usage by shut-off during holidays and the Cut-One system*.



※ Two-fluorescent bulb lighting fixture that requires one high-efficiency fluorescent bulb for illumination and one dummy (non-lighting) bulb for the electric circuit, instead of two regular bulbs.

Training

● Drill for Oil Spills

A drill was conducted in case of oil spills from the waste segregation area.



Community Activity

● Meeting with Oguchi Residents

We met with residents in the Oguchi area to explain our operations, environmental activities and exchanged ideas and opinions for the community.



Nishibiwajima Plant



Environmental Committee Chairman:
Kazuhisa Kubota,
Member of the Board

Nishibiwajima plant's main operation is final assembly of multi-function switches. Our plant is located near the residential area, and our goal is to make Nishibiwajima Plant environment-friendly by sharing information and activities with the local community.

ISO 14001 Surveillance Audit

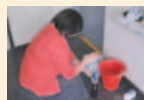
Major	0
Minor	0
Observation	0

480 Izumi-machi, Nishibiwajima-cho, Nishikasugai-gun, Aichi 452-0015, Japan
TEL:(052)501-8141 / FAX:(052)501-0233

Environmental Activities

● Activities against Soil/ Groundwater Contamination

We take samples to verify the status of soil and groundwater contamination and take appropriate measures twice a month.



● Noise / Vibration Evaluation

We measure noise and vibration levels around the border of our premises every year.

● **Verification of Hazardous Material Control**
Tokai Rika's board members and industrial medical doctor verified how hazardous materials were stored and controlled.

● Energy Conservation

Energy saving controls were installed to the vending machines to reduce electricity usage.



● Reduction of Hazardous Materials Usage

The usage of any PRTR-regulated material does not exceed 1t per year.

Training

● Emergency Drills

We have regular emergency drills, such as spills of organic solvents.



Community Activities

● Meeting with Local Residents

● 4th “Love & Enjoy Nishibi Day”

We co-planned many activities for the event, with Nishibiwajima Town and the Volunteer Liaison Council and enjoyed the event with local residents.



● Monitoring of Seatbelt Use on Street

Toyota Plant

2-47-1 Konosu-cho, Toyota, Aichi 471-0836, Japan
TEL:(0565)28-1141 / FAX:(0565)28-5792



Environmental Committee Chairman:

Hiroki Iwasa,
Member of the Board

Toyota Plant is known as the mother plant of seatbelts and supplies products worldwide. In 2003, the high-efficiency cogeneration system helped us to reduce CO₂ emission. As a pro-environment manufacturer, we will continue our efforts to make clean parts without contaminating hazardous materials.

ISO 14001 Surveillance Audit

Major	0
Minor	0
Observation	0

Environmental Activities

A high efficient, natural gas-operated cogeneration system loaded with new technologies enabled us to reduce electricity and thermal energy consumptions.



● Reduction of Landfill Waste

Landfill waste was cut by 1t by sorting and recycling chloroethene boards.

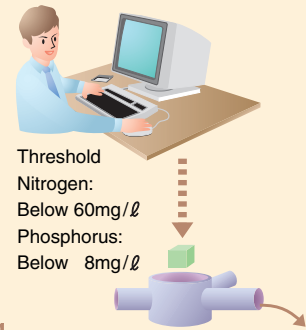
● Countermeasure against Soil Contamination

The trichloroethylene content in soil was reduced down to 1/3 of the regulation threshold.

● Waste Water Discharge Monitoring System

We monitor, 24 hours a day, the phosphorus and Nitrogen contents in the

waste water discharge from the plant.



Training

● Posters for Environmental Awareness

Toyota Plant tries to raise Associates' awareness for the environmental activities. We provided Associates with hazardous material training.

● Meeting with Local Residents

● Volunteering for Clean-Up

Associates volunteered to participate in clean-up in Umegaoka

School with local residents.



Otowa and Hagi Plants

Otowa Plant: 1 Aza-Hirayama, Oaza-Akasaka, Otowa-cho, Hoi-gun, Aichi 441-0295, Japan TEL:(0533) 88-4111 / FAX:(0533)88-2244
Hagi Plant: 1-3 Aza-Nakayama, Oaza-Hagi, Otowa-cho, Hoi-gun, Aichi 441-0201, Japan TEL:(0533) 88-7051 / FAX:(0533)88-7055



Environmental Committee Chairman:

Takaoki Tsuchiya,
Member of the Board

Otowa and Hagi plants manufacture advanced key systems with enhanced convenience and antitheft function. In addition to activities for "Zero" emission, we would like to work on higher level projects, such as the reduction of CO₂ emission by the installation of a cogeneration system. At the same time, we want to continue communication with the local community for the improvement of the environment.

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Environmental Activities

● Operation of Cogeneration System

A building of a cogeneration system began at the plants. The operation start is scheduled in 2005.



● High-Efficiency Lighting for Energy Conservation

We replaced existing lightings with higher-efficiency lamps. The illumination is maintained while reducing electricity usage.



● Improvement of Heat Treatment for Energy Conservation

We made improvements in the heat treatment for cigar lighter elements. For example, we were able to reduce energy usage by changing trays used for the process.



Training

Associates created posters for the reduction of CO₂ emission, and they are posted throughout the facility.



Community Activities

● Meeting with Local Residents at Otowa Plant



● Clean-Up by Tokai Rika Gakuen Students

Clean-ups in the local community is one of the curriculums at Tokai Rika Gakuen.

