

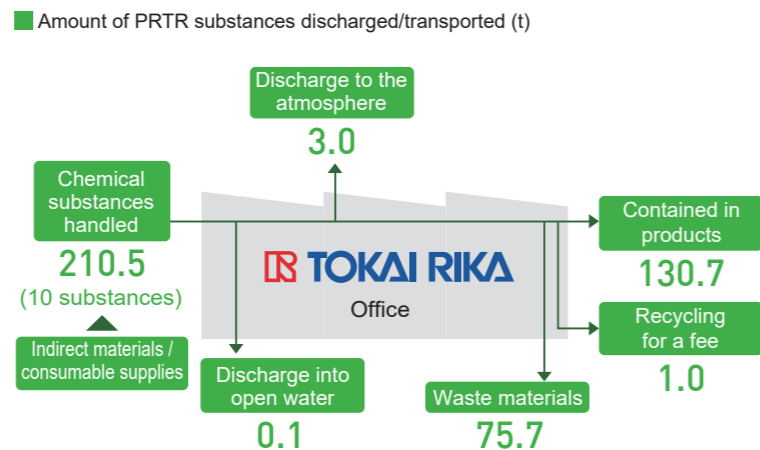
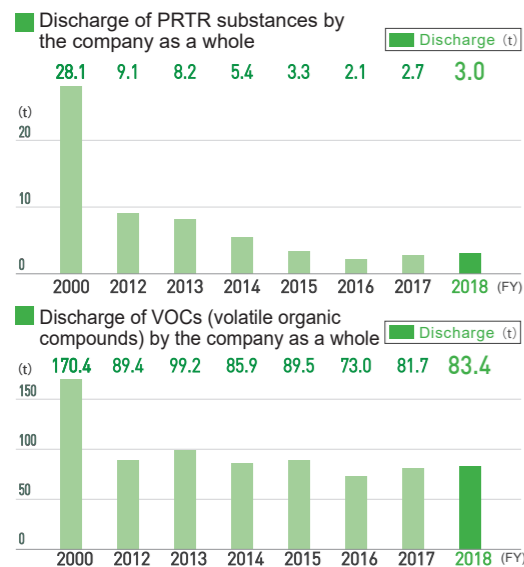


## Establishing a Society in Harmony with Nature

We are seeing the tightening and creation of laws and regulations that deals with chemical substance management within and outside Japan. The Tokai Rika Group is working to respond to this international trend, together with reducing environmental loads, with regard to both product development and production process development. Also, we are deploying activities toward the achievement of a society that is in harmony with nature, through biodiversity conservation activities and cooperative activities performed with the local community.

### Reducing environmentally hazardous substances in production activities

In order to minimize risk to the environment and people, we are working on the reduction of VOCs (volatile organic compounds) and substances subject to the PRTR Law used in production processes, for example by switching materials and improving painting processes.



### Switching to low VOC materials for the smart key release hook

We changed the materials for the release hook, which was originally used to remove the mechanical key within the Smart Key, to low VOC materials which have less VOC emissions compared to conventional materials. Not only are we reducing the environmental load, but we are also contributing to the improvement of work environments.

Formaldehyde emissions  
**93% reduced**



### Reduction of organic solvents consumption by changing paint

We are using a light-shielding coating for a part of the shift lever cover to make indicators such as P (Parking), and N (Neutral) illuminate clearly. We have reduced the consumption of organic solvents by changing the coating with a higher light-shielding effect than the conventional one, as it is possible to have a thinner membrane while maintaining light shielding. Furthermore, we are contributing to CO<sub>2</sub> reduction using less power from robots by shortening coating time.



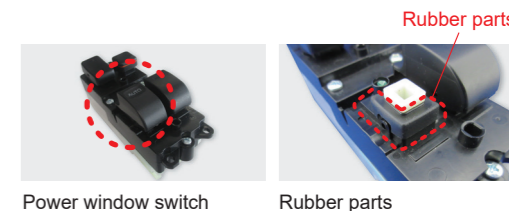
### Enhancement of the management of chemical substances contained in products

The Tokai Rika Group understands the trends in regulations on chemicals in each country, and is carrying out activities from the stage of design and development in regard to those regulations.

Regulation status	2015	2016	2017	2018
Global	• GHS Rev. 6		• GHS Rev. 7	• Minamata Convention on Mercury came into effect
Europe	• EU RoHS2 Directive brought into force	• EU REACH Regulation	• EU ELV Directive Annex II revision	• RoHS 2 Directive revision
North America	• EU REACH Regulation EU BPR	• EU CLP (Categories / labeling for mixed substances)	• EU ELV Directive Annex II revision	• EU ELV Directive Annex II revision
Asia	• EU REACH Regulation EU BPR	• EU CLP (Categories / labeling for mixed substances)	• EU ELV Directive Annex II revision	• EU ELV Directive Annex II revision
Asia	• Establishment/revision of laws in each state	• State law of California, U.S. Green Chemistry Initiative	• Products Containing Mercury Regulations, Canada	• HPR, Canada
Asia	• TSCA revision, U.S.	• Prohibition of Certain Toxic Substances Regulations, 2012, Canada	• HCS / OSHA, U.S. (Categories / labeling for mixed substances)	• Regulations Amending the Prohibition of Certain Toxic Substances Regulations, 2012
Asia	• Provisions on Environmental Administration of New Chemical Substances, China	• Korean REACH	• Revised WEEE / RoHS / ELV regulations, Korea	• GB / T30512-2014, China
Asia	• AIS-129, India		• Mercury Pollution Prevention Act, Japan brought into force	• POPs Regulations, India

### Promotion of changing to phthalate

We are switching to products that contain substances that are not the subject of REACH Regulation. In regard to power window switches, we have switched from rubber products that include phthalate, which is a regulated substance, for products not only aimed at the European market, but also voluntarily in Japan.



### Promotion of social contribution activities that will assist the establishing of a society in harmony with nature

Under our business philosophy of "working in harmony with nature and the local community," we conduct initiatives to contribute to environmental protection through continuous social contribution activities for local communities.

### Cleanup activities for the local community

The Head Plant, Otowa Plant, and Hagi Plant have registered with Adopt Programs, collaborative activities with local governments, and have continued to clean the public space around their sites. The Toyota Plant has been cleaning the Sengoku Park near Toyota Bridge. Every March before the cherry blossoms bloom, our employees and their families participate in a cleanup activity at the Gojo River. The river, which flows near the Head Office, is famous for its line of cherry blossom trees on its banks.

#### Voice

In the beginning when we just started participating in the Adopt Programs, there was so much trash to the point where we couldn't pick all of it up in time. However, trash has visibly reduced each time we participate. I feel that our activities have contributed to beautifying Oguchi Town.



▶ Establishing a Society in Harmony with Nature

Promotion of environmental preservation / conservation of biodiversity

Aiming to be a society with sustainable development and in harmony with nature, we have established initiative guidelines and are pressing forward with initiatives in the whole of the Tokai Rika Group.

■ Biodiversity initiative guidelines

Guideline	Matters for implementation
1 Working together with society to foster nature	<ul style="list-style-type: none"> <li>Building a society that nurtures biodiversity, through cooperation with local communities and All Toyota</li> <li>Raising employees' awareness by means of enlightenment, and encouraging them to take action</li> </ul>
2 Introducing eco-friendly technologies	<ul style="list-style-type: none"> <li>Lightweight / recyclable product designs, management of chemical substances</li> </ul>

Guideline	Matters for implementation
3 Promoting business activities that are in harmony with nature	<ul style="list-style-type: none"> <li>Preserving water areas, reducing CO<sub>2</sub>, circulating resources, reducing environmentally hazardous substances</li> </ul>
4 Actively disclosing information on the content of initiatives	<ul style="list-style-type: none"> <li>Transmitting information</li> </ul>

● Global deployment of tree planting activities

We are globally promoting a tree planting activity that focuses on the environment and biodiversity conservation, in cooperation with the local community and NGOs. We aim to enhance our consciousness toward the environment by interacting with nature. The employees plant native and symbol trees on the plants' premises.



TRMN (India)



TRP (Philippines)



TRCZ (Czech Republic)

Topics

Biodiversity initiatives that contribute to communities

We have been participating in a partnership activity, the "All Toyota Coexisting with Nature Working Group" with every company that is affiliated with Toyota since 2016. In FY 2018, 14 members from our company and group companies participated in activities to eliminate the lanceleaf tickseed in Miyoshi City. These activities were carried out by local government and related companies.

Furthermore, each plant and group company actively partic-



Activities to eliminate the lanceleaf tickseed



Wetlands and Satoyama preservation activities

ipate in wetlands and Satoyama conservation activities that are held by the government and local organizations. With regard to the wetlands of Yanami registered in the Ramsar Convention in Toyota City, we participate in its cleanup activities twice a year, and contribute to the protection of its rare plants and insects. We thinned out and replanted trees at Todagawa Park in Nagoya City, and cleared trees that were an obstacle out while maintaining hiking paths at Ooda no Mori in Okazaki City.



Todagawa Tree Festival



Ooda no Mori and Satoyama conservation activities

Voice

This was the first time that I participated in the Ooda no Mori conservation activity. We climbed steep slopes, and the work for clearing away undergrowth using a saw and a hatchet was really hard. However, my exhaustion dissipated when I saw the beautiful scenery at the highest position in Ooda no Mori. In the end, it was a really good experience. After the work, there was also an opportunity to meet all the participants and I was able to spend quality time there. I want to participate again next time.



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