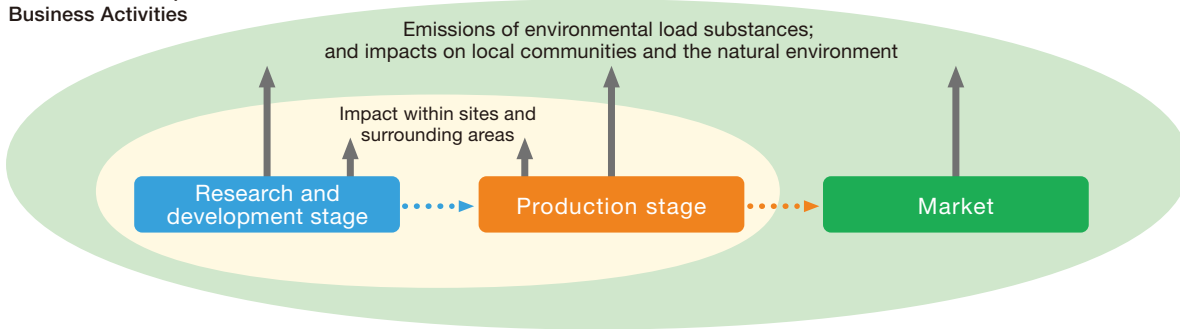


Takeda has been continually implementing efforts to reduce environmental risks based on the Takeda Group's Standard for Environmental Protection and Accident Prevention at Work

Environmental Impact Associated with Business Activities



Initiatives to Reduce Environmental Risks

Takeda is aware of its responsibilities as a company that handles a wide range of chemical substances, including its pharmaceutical products. We have therefore established a structure to reduce environmental risks as much as possible from both environmental and accident prevention perspectives. Based on the "Takeda Group's Standard for Environmental

Protection and Accident Prevention at Work," we implement environmental protection and accident prevention procedures at each stage of our operations. In addition, we conduct ongoing environmental protection and accident prevention audits to fully ensure that related measures are being implemented appropriately.

	Issues Related to Environmental Risks Reduction	Measures Addressing Such Issues
Research and Development Stage	<ul style="list-style-type: none"> • Volumes of materials used in pharmaceutical products are less than many consumer chemicals; meaning they are generally considered to have less environmental impacts. However, it is necessary to understand the effect that pharmaceutical products would have on the ecosystem, since they are biologically active agents and concerns about residual agents in the environment have become a significant issue highlighted by the development of analytical technology. • The guidelines on environmental impact assessments for drugs defined by the U.S. Food and Drug Administration (FDA) and the European Medicines Evaluation Agency (EMA) require provision of data on environmental impact assessments for drugs as well as data concerning efficacy and safety during the new drug application process. 	<ul style="list-style-type: none"> • When preparing to make drug manufacturing approval applications for new products, Takeda implements appropriate actions in accordance with the relevant countries' guidelines. • Takeda develops new products and new production processes with consideration for the environment. It evaluates their environmental impacts during the product life-cycle spanning manufacture, use, and disposal according to its environmental impact assessment checklist. The assessment covers energy conservation, waste generation, releases of chemical substances and prevention of natural resources depletion.
Production Stage	<ul style="list-style-type: none"> • The production stage requires the greatest energy consumption and also discharges the most environmentally burdensome substances of all Takeda business activities. Consequently, we focus on measures to reduce environmental risks during this stage. • We accurately assess environmental impacts, including energy usage and waste generation, at global production sites, and take steps to reduce those impacts based on detailed plans for each site. 	<ul style="list-style-type: none"> • Takeda manages chemical substances by ensuring appropriate management of storage for hazardous materials and toxic substances, and maintaining its MSDS (Material Safety Data Sheets). The Company also strives to assess and reduce the amount of chemicals released into the environment. In Japan, the Company reports to the government in line with the PRTR (Pollutant Release and Transfer Register) Law. • To address the global warming issue, Takeda set numerical targets in its 9th energy conservation program as well as promoting energy conservation, and conversion to fuels that emit fewer GHGs. • At production bases, we are doing our utmost to control any impact on local communities and the natural environment by implementing accident prevention measures to prepare for incidents during normal operation as well as during emergencies, such as earthquakes or fires.
Market	<ul style="list-style-type: none"> • We promote recycling of product containers and packaging materials after their administration to patients, while also taking measures to reduce the environmental impacts of business vehicles used for sales activities. 	<ul style="list-style-type: none"> • We strive to ensure appropriate disposal of product containers and packaging materials in accordance with relevant laws and regulations in each country, including the Containers and Packaging Recycling Law. • The ratio of low-emission sales vehicles reached 100 percent (excluding 4-wheel-drives for use in cold climates) as of April 2009.

Relationship with Environment

Environmental Protection and Accident Prevention Audit

If our facilities cause any environmental pollution, or an accident occurs, potential damage to the surrounding area is immeasurable. With this in mind, Takeda implements the group-wide environmental protection and accident prevention audits, which are designed to ensure thorough risk management and risk assessment by internal specialists. Furthermore, an internal audit is conducted at all of our production/research sites to verify compatibility with the Takeda Group's Standard for Environmental Protection and Accident Prevention at Work.

The environmental protection and accident prevention audit is conducted over a number of days during visits to each operating site by personnel charged with the audit. Prior to the visits, they assess the standard-format questionnaires submitted by each operating site. Problems highlighted through the audit are followed up thoroughly, and a progress report providing details of countermeasures is mandatory. In addition, the audit results are detailed in the audit report, which is issued to management.

In fiscal 2008, environmental protection and accident prevention audits were implemented at six sites in Japan and one site overseas, including affiliated companies. No critical problem was identified as a result of the audits.



An environmental protection and accident prevention audit at Wako Pure Chemical Industries, Ltd.

Items to be audited in the environmental protection and accident prevention audit

1. System audit

- Environmental protection and accident prevention management
- Compliance assessments
- Waste
- Management of chemical substances
- Soil and groundwater contamination
- Equipment maintenance
- Accident prevention measures for manufacturing processes
- Antiearthquake measures
- Education and training
- Evaluation on progress of the corrective action plans provided at the previous audit

2. Process audit

- Overall
- Environmental aspect
- Accident prevention aspect

Business sites audited in the environmental protection and accident prevention audit

■ In Japan

Takeda Pharmaceutical Company Limited (Hikari Plant)
 Mizusawa Industrial Chemicals, Ltd.
 (Mizusawa Plant and Nakajo Plant)
 Wako Pure Chemical Industries, Ltd. (Aichi Plant)
 Daiwa Special Glass Co., Ltd. (Ichijima Plant and Niitaka Plant)

■ Outside Japan

Takeda Italia Farmaceutici S.p.A.

Business sites audited in the internal audit of environmental protection and accident prevention

■ In Japan

Takeda Pharmaceutical Company Limited
 (Osaka Plant, Hikari Plant and Tsukuba Research Center)
 Nihon Pharmaceutical Co., Ltd. (Narita Plant and Osaka Plant)
 Takeda Healthcare Products Co., Ltd.
 Wako Pure Chemical Industries, Ltd.
 (Tokyo Plant, Aichi Plant, Mie Plant, Osaka Plant and Harima Plant)
 Mizusawa Industrial Chemicals, Ltd.
 (Mizusawa Plant and Nakajo Plant)
 Daiwa Special Glass Co., Ltd. (Ichijima Plant and Niitaka Plant)

■ Outside Japan

Takeda San Diego, Inc.
 Takeda Italia Farmaceutici S.p.A.
 Takeda Ireland Limited
 Takeda Pharma Ireland Limited
 Tianjin Takeda Pharmaceuticals Co., Ltd.
 P.T. Takeda Indonesia