

Environmental Management System

ISO 14001

Shionogi's R&D and manufacturing departments and domestic manufacturing subsidiaries, which have a relatively large environmental impact, have obtained certification in accordance with the ISO 14001 international environmental management standard. These units are audited by an external organization each year to verify the effectiveness of their management systems. In fiscal 2008, Shionogi, Bushu Pharmaceuticals Ltd., and Nichia Pharmaceutical Industries Ltd. underwent a qualification-maintenance audit by Japan Chemical Quality Assurance Ltd. (JCQA), and their certifications were extended.



Environmental management system ISO 14001 certificates

Environmental Audits

Shionogi conducts environmental audits of business sites and Group companies to verify that they are complying with environmental laws and regulations, properly managing environmental risks, and making continual improvements to their management systems. In the case of shortcomings, measures are organized to rectify those shortcomings. In fiscal 2008, environmental audits were conducted at the Settsu Plant and Aburahi Laboratories.



Environmental audits (Aburahi Laboratories)

Environmental Education/Training

Shionogi conducts environmental education to raise environmental awareness among employees and provides training on such subjects as managing facilities to prevent environmental pollution. Other activities include qualification

training of internal auditors to audit the operation of the environmental management system and education to raise their skill level. In addition, Shionogi establishes response procedures regarding such events as earthquakes, tsunami, and other natural disasters as well as fires, chemical leaks, and other emergencies. Each year, Shionogi conducts drills to practice the procedures and reevaluates procedures and emergency equipment and materials.

In fiscal 2008, because of the strong earthquakes that occurred in Japan's Tohoku region during June and July of 2008, the Kanegasaki Plant and other business sites placed emphasis on earthquake response measures and implemented drills of such measures. In addition to evacuation, personnel safety verification, and reporting procedures, preparations were made for responding to fires by undertaking drills of fire-extinguishing measures and early-stage fire response measures and confirming related capabilities. Furthermore, the Shionogi Research Laboratories responded to a revision of Fire Service Act standards by changing the siren sound of emergency alarm broadcasts to a beeping sound.



Disaster prevention drill (Settsu Plant)

Information Disclosure

Initially, Shionogi issued a separate Environmental Report as a printed brochure that was also made available via the Internet. Since fiscal 2007, the Company has integrated the Environmental Report with its Annual Report and disclosed environmental information via its Annual Report. Detailed information, including site data, is disclosed via the Company's website.



Environmental Reports and Annual Reports (2000-2008)

Legal Compliance/Accidents/Complaints

Regarding the prevention of air and water pollution and compliance with other regulation mandated environment-related measure-

ment values, Shionogi established necessary procedures and undertakes monitoring and measuring activities. In addition, each year, the Company confirms the appropriate administration of these activities by using procedure evaluation sheets.

Shionogi has maintained a flawless performance concerning the non-occurrence of environment-related penalties or litigation. In fiscal 2008, however, regarding such laws as the Invasive Alien Species Act, the Company was at fault in the late submission of applicant change notifications, the surpassing of breeding volume limits, and certain other matters. To prevent the recurrence of this, the Company has made changes to procedural handbooks and provided educational programs for the responsible employees. In addition, transformers containing polychlorinated biphenyls (PCBs) were temporarily transported away from their installation site during a building demolition project but were subsequently recovered, and appropriately managed as PCB waste products. During fiscal 2008, there were zero cases in which Shionogi exceeded regulation mandated environment-related measurement values or was the object of environment-related complaints.

Interaction with Local Communities

Shionogi maintains communication with local communities through participation in cleanup activities around each site and in environment-related associations as well as by conducting factory tours and undertaking other activities. We endeavor to always provide advance notice of upcoming construction and demolition work to the heads of local residents' associations, school principals, and other concerned parties.

In fiscal 2008, the Kanegasaki Plant co-sponsored "Iwate Prefecture's CO₂ Diet Point Promotion program" and the "Kanegasaki Greenery and Flower Bank." In addition, the Aburahi Laboratories organized a work-site experience study program for local junior high school students, who were provided with an opportunity to experience a portion of environment-related work processes.



Cleanup activities (Kuise Site)