Pollution Control

Basic Approach

Approach

The Toppan Group has formulated the following basic policies on pollution control. The Group positions the control of pollution as a critical challenge for management and places utmost priority on environmental conservation initiatives to attain zero pollution. In the event that Toppan causes environmental pollution of any form, the Group will immediately publish the incident, disclose information, and work relentlessly to address the case while taking necessary actions to reliably prevent recurrences. Toppan will also implement recurrence-prevention measures for similar operations throughout the Group. Proactive environmental conservation activities will enable Toppan to detect any signs of pollution and swiftly correct the problem at its source.

Approach to Environmental Compliance

Activity results, performance data

Preventing Pollution

The Eco-protection Promotion Committee at each Group site in Japan sets in-house control standards that are more stringent than the applicable regulatory standards. Toppan works to reduce environmental burden and prevent pollution by observing these in-house standards.

To prevent atmospheric pollution, the Group controls boilers and other plant facilities responsible for air pollutants by managing operations under appropriate combustion conditions. The Group enhances the efficiency of effluent-gas treatment in plant facilities subject to requirements under the Air Pollution Control Act by reusing recovered organic solvents and appropriately controlling combustion facilities.

To prevent water pollution, the Group has installed wastewater treatment facilities designed to correspond to specific water consumption and pollutant conditions at individual sites. Wastewater recycling systems have also been installed at Electronics plants that discharge effluents in significant amounts. By recovering and reusing wastewater via these systems, the plants have been working to reduce the levels of water consumption and effluent discharge.

The Toppan Group also checks plant facilities subject to the Water Pollution Control Law in compliance with the regulatory standards for structures. The Group will monitor every facility, including those not subject to the law, to prevent soil and groundwater pollution caused by the leakage of chemicals and other liquids. Any equipment or components with undue wear will be replaced.

Despite these efforts, the Fukusaki Plant of Toppan Packaging Products Co., Ltd. in Hyogo Prefecture was involved in an environmental accident in December 2021. An organic solvent leaked from storage equipment into a retention pond outside of the plant premises. Toppan immediately reported the leak to local government bodies and took countermeasures. The prefectural government resumed operations to sluice water from the pond in March 2022, after confirming that the quality of the water was unaffected. The Fukusaki Plant purified the soil and groundwater by removing rainwater drainage that had contaminated the plant premises and excavating and removing contaminated soil around the leakage point. The remediation work was completed in July 2022.

Handling Inquiries and Complaints

The Toppan Group receives environmental inquiries and complaints via “Inquiries,” a contact window for persons seeking information on corporate activities, on the Toppan corporate website. The Ecology Center receives reports on these inquiries and complaints from the Public Relations Division and responds to them as the organization overseeing environmental conservation activities across the Group.

For inquiries on Toppan’s activities
https://www.toppan.com/en/contact-us/privacy-corporate.html ›

Fiscal 2021 Results

Toppan has used the Group’s in-house environmental database for operational sites across Japan to identify any risk that the limits stipulated under laws, ordinances, agreements, and other applicable regulations are or will be surpassed. Preventive measures against unduly high risks have been taken to ensure that none of the regulatory limits are breached.

Despite these steps, one production site recorded one case of excessive odor and another site recorded one case of excessive water contamination by BOD, relative to standards set under laws, ordinances, agreements, or other applicable regulations, in fiscal 2021. The Toppan Group took immediate corrective measures in both cases, including steps to inspect the plant facilities and revise the methods for facility control. Since implementing these corrective measures, the Group has

standardized newly adopted control procedures and taken other actions to reliably prevent recurrences. Meanwhile, Toppan has identified no problems with the levels of water consumption and effluent discharge.

As a preventive action against environmental pollution, the Group also reviews drills for coping with potential emergencies and accidents during production operations whenever necessary.

Communities around Toppan plants filed four complaints at four sites in fiscal 2021. One was related to odor and the other three involved noise. The Group has identified the plant facilities responsible for the odor and noise and taken steps to mitigate any inconvenience experienced by the surrounding communities.

Toppan will continue enhancing the quality of the Group's environmental management through earnest dialogue with the members of surrounding communities.

Fiscal 2021	Excessive Levels Relative to Applicable Legal Standards	Complaints
Cases	2 (1 case involving water contaminant [BOD]; 1 case involving odor)	4 (3 cases involving noise; 1 case involving odor)

Remedying Soil and Groundwater Pollution

Activity results, performance data

Purifying Soil and Groundwater Pollution

Operational Site	Detail	Current Progress
Itabashi Plant (Itabashi, Tokyo)	Groundwater pollution by hexavalent chromium and toluene	Continuously monitored
Niigata Plant (Shibata, Niigata)	Soil pollution by fluorine and fluorine compounds	Continuously monitored

Remedying Soil Pollution for Redevelopment under Regulations

The Soil Contamination Countermeasures Act of Japan requires remediation work or other countermeasures in the event that a soil investigation detects soil contamination at a site during construction or demolition work of a certain scale (including soil contamination by natural sources in the environment). Site reconstruction projects are occasionally subject to these legal demands. The Toppan Group has therefore conducted soil investigations in accordance with the act and taken necessary countermeasures when soil contamination has been detected at a Group site.

Operational Site	Chemical Substances Subject to Remediation	Remediation Measures	Current Progress
Kawaguchi Plant (Kawaguchi, Saitama)	Lead and lead compounds	Excavation and removal	Remediation work, phase 2 completed

Organizing Pollution Control Training

Training, education

Toppan arranges three types of training programs on pollution control: general education for every employee at individual Group sites; specific operational training for every employee engaged in operations that cause or could potentially cause significant impacts on the environment; and emergency drills to prevent the spread of damage in the event of a potential emergency.