

4 Contents of Activities

4.3 Environmental Pollution Control

1 Overview

Works have set up voluntary control standard values that are stricter than the values imposed by the relevant laws and ordinances. They also periodically measured and monitored water and air quality and maintained, managed, and operated environmental conservation facilities to control environmental pollution.

The environmental facilities, managerial operation system, and training system are operated through a strict three-step environmental audit: audit by an ISO audit organization, work audit by the headquarters' environment promotion center, and internal audit by individual works' in-house auditors.

2 Chemical substance management

Our company uses only relatively small amounts of just a few types of chemicals, but written procedures for handling chemicals have been prepared in individual departments to educate and train for emergencies as well as normal situations. These chemicals are targets of environmental audits. The status regarding hazardous substances whose use is restricted is as follows:

1 Polychlorinated biphenyl (PCB)

The high-voltage capacitors and most of the stabilizers for fluorescent lamps have been replaced by PCB-free ones. PCB-containing lights remain in some buildings, but their use will be abolished by March 2002. A manager has been appointed to properly store the removed capacitors and stabilizers.

2 Chlorine solvent

The use of chlorine solvents has almost been abolished. One office is using dichloromethane for degreasing, but its abolishment in 2001 through the use of an alternative solvent or a solvent-free process is being promoted.

3 Environmental measurement status

Most water items were in concentrations at or below the limit of measurement. The levels of items that were measured were less than the voluntary control standard levels, which are much stricter than the legally accepted maximums

The levels of dust, NOx, and SOx were sufficiently below the voluntary control standard levels for air quality. We have abolished all incinerators.

Soil samples have shown no detectable levels of the solvents trichloroethylene, 1-1-1 trichloroethane, and tetrachloroethylene. The measurement frequency is every one to three years, as regulated by each office.

4.4 Compliance with Laws

Compliance with laws is also an important part of environmental pollution control. Therefore, our plants have a system to theoretically determine whether all laws and ordinances concerning the environment, including revisions, are being followed. This system enables us to quickly and easily adjust our activities so we are always in full compliance with these laws and ordinances.

Compliance will be strictly checked in the environmental audit described in the previous section. Regarding the legally qualified personnel required by offices, a sufficient number of qualified personnel are always being trained on schedule and the sufficient and necessary number of qualified personnel is always retained. The status of qualified personnel is outlined below.

Required number of certified personnel and number available (Unit: persons)

Certificate classification	Required personnel	Personnel available	Certificate classification	Required personnel	Personnel available
Pollution prevention administrator (air)	0	5	Sanitation administrator	10	22
Pollution prevention administrator (water)	4	9	Dry equipment work administrator	1	10
Pollution prevention administrator (noise)	0	4	organic solvent work administrator	16	105
Pollution prevention administrator (vibration)	0	3	Oxygen shortage danger work administrator	1	9
Energy manager (electricity)	1	2	Special chemical substance work administrator	13	42
Electricity chief engineer (Type I and III)	6	24	Toxic matter handling administrator	1	3
Boiler engineer (Type I and III)	6	21	Dangerous matter handling administrator	9	126
Cooling and freezing safety administrator (Type I and III)	0	7	High-pressure gas manufacturing and safety administrator	0	3
Special controlled industrial waste administrator 4	4	15	Total	72	410

4.5 Linkage with Local Communities

Plants and offices have tried to adapt themselves to their local communities and exist harmoniously with them. The following pictures show some of our community activities in 2001.

Planting trees on unused land to promote greening



Supporting local traditional events

