

12.5 System of Pollution Control Manager, etc.

12.5.1 Background Circumstances

The 64th session of the Diet in 1970 made some headway in the legal preparations for establishing the Air Pollution Control Law, Water Pollution Control Law, and Noise pollution regulations, and regulations regarding pollution were greatly expanded and strengthened. In order to translate these strengthened laws into sound practice, it became necessary to implement a suitable pollution control system on the side of the enterprises as well. In order to do this, those factories which were the sources of industrial pollution were required to set up pollution control systems, and with the aim of making enterprises set up pollution control systems, the "Law Regarding the Provision of Pollution Control Systems in Specified Factories" was enacted in 1971.

12.5.2 Specified Factories

Specified factories, which are the object of this law, include (1) manufacturing industries (including commodities processing industries), (2) electricity utility industries, (3) gas utility industries, and (4) heat utility industries, and specified factories related to air pollution are those which emit over a certain amount of air pollutants such as hazardous substances (cadmium and its compounds, chloride and hydrogen chloride, fluorine, hydrogen fluoride, silicon fluoride, lead and its compounds, and nitrogen compounds), sulfuric compounds, soot and dust, general dust, and specified dust.

Also, these specified factories must also set up pollution control systems including the pollution control managers (those with the proper qualifications) and supervisors of pollution control to oversee and manage these systems. However, those enterprises which have less than 20 employees are not required to provide these managers. (Enterprises over a certain size are required to have chief managers in charge of pollution control.)

12.5.3 Qualification Acquisition

There are 4 separate classifications from class 1 to class 4 for managers in charge of air quality-related pollution control, and managers in charge of dust-related pollution control are classified into general managers and specified managers. In order to acquire these qualifications, candidates must either pass the national examinations which are held once a year or must be specified by the school career or by the qualifications and also have completed a short-term course for accreditation conducted by the related Ministries.

12.5.4 Job Specifications

(1) Supervisor of Pollution Control

The jobs of supervisors of pollution control are to take necessary measures for the adequate and smooth implementation of pollution control operations and to supervise the conditions of the implementation. Specific

duties required of supervisor of pollution control are as follows:

Factories Which Have Smoke and Soot Emitting Facilities

- ① Supervising the operations of smoke and soot emitting facilities, and maintaining and running smoke and soot treatment facilities and other attached facilities
- ② Monitoring and recording the concentrations and emission volume of smoke and soot within exhaust gas
- ③ Setting up measures for accidents and emergencies at specified facilities

Specified Particulate Dust Emitting Facilities

- ① Supervising the operations of specified particulate dust emitting facilities, and maintaining facilities to manage the scattering of emissions from these facilities and other attached facilities
- ② Monitoring and recording the concentrations of specified particulate dust in the atmosphere around the boundaries of specified factory sites

General particulate Dust Emitting Facilities

- (1) Supervising the operations of general particulate dust emitting facilities, and maintaining and running facilities to manage the scattering of emissions from these facilities and other attached facilities

(2) Jobs of Pollution Control Managers

The jobs of pollution control managers, who take directions from the supervisor of pollution control, are to cope with the expert skill side of pollution control activities at the factory. Specific duties required of pollution control managers are as follows:

Factories Which Have Smoke and Soot Emitting Facilities

- ① Inspecting use of fuel and raw materials
- ② Inspecting smoke and soot emitting facilities
- ③ Operating, inspecting and maintaining treatment facilities and other facilities attached to specified smoke and soot emitting facilities
- ④ Monitoring and recording the concentrations and emission volume of specified smoke and soot in exhaust gas
- ⑤ Inspecting and maintaining of monitoring apparatus
- ⑥ Implementing emergency measures in case of accidents at specified factories
- ⑦ Implementing necessary measures and for reducing the smoke and soot volumes and concentrations, and for restricting the use of smoke and soot emitting facilities, and other measures in case of emergency

Factories Which Have Specified Dust Emitting Facilities

- ① Inspecting raw materials
- ② Inspecting of specified dust emitting facilities
- ③ Operating, inspecting and maintaining facilities for the treatment of emissions and the scattering of specified

dust from specified dust emitting facilities and other attached facilities

- ④ Monitoring and recording the concentrations of specified dust
- ⑤ Inspecting and maintaining monitoring apparatus

Factories Which Have General Dust Emitting Facilities

- ① Inspecting use of raw materials
- ② Inspecting general dust emitting facilities
- ③ Operating, inspecting and maintaining facilities for the treatment of emissions and the scattering of general dust from general dust emitting facilities and other attached facilities

12.5.5 Other Systems Related to Air Quality Conservation

Other systems for air quality pollution control besides the system of pollution control manager which have been enacted and are in use are shown in Table 12.5.1.

Table 12.5.1 Other Systems Related to Air Quality Conservation

Systems	Jurisdiction
(1) Environment Counselor (civil section, business section)	Environment Agency
(2) International Environment Adviser (classified according to fields of specialization)	Ministry of International Trade and Industry
(3) Consulting engineers (environment section)	Science and Technology Agency
(4) Certified Measurer	Ministry of International Trade and Industry
(5) Working environment measurement expert	Ministry of Labor